

# Tekelec EAGLE<sup>®</sup> 5

**Release 43.0**

## **Database Administration Manual Flowcharts**

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# Chapter 1

## Introduction

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This chapter contains general information about this manual.

## Overview

The *Database Administration Manual – Flowcharts* contains the flowcharts for the procedures that are contained in these manuals.

- *Database Administration Manual - Features*
- *Database Administration Manual - Gateway Screening*
- *Database Administration Manual - Global Title Translation*
- *Database Administration Manual - IP7 Secure Gateway*
- *Database Administration Manual - SS7*
- *Database Administration Manual - System Management*

## Scope and Audience

This manual is intended for database administration personnel or translations personnel responsible for configuring the EAGLE 5 ISS and its database.

## Manual Organization

This document is organized into the following sections.

*Introduction* contains general information about this manual.

*STPLAN Configuration Flowcharts* contains the flowcharts for the STPLAN configuration procedures located in the *Database Administration Manual - Features*.

*Database Transport Access (DTA) Configuration Flowcharts* contains the flowcharts for the Database Transport Access configuration procedures located in the *Database Administration Manual - Features*.

*GSM MAP Screening Configuration Flowcharts* contains the flowcharts for the GSM MAP Screening configuration procedures located in the *Database Administration Manual - Features*.

*EAGLE 5 Integrated Monitoring Support Configuration Flowcharts* contains the flowcharts for the EAGLE 5 Integrated Monitoring Support configuration procedures located in the *Database Administration Manual - Features*.

*Gateway Screening (GWS) Configuration Flowcharts* contains the flowcharts for the Gateway Screening configuration procedures located in the *Database Administration Manual - Gateway Screening*.

*Basic Global Title Translation Configuration Flowcharts* contains the flowcharts for the procedures to configure the entities that are common to both the Global Title Translation (GTT) and Enhanced Global Title Translation (EGTT) features. These procedures are located in the "Global Title Translation (GTT) Overview" section of the *Database Administration Manual - Global Title Translation*.

*Global Title Translation (GTT) Configuration Flowcharts* contains the flowcharts for the procedures used to configure the Global Title Translation feature. These procedures are located in the *Database Administration Manual - Global Title Translation*.

[\*Enhanced Global Title Translation \(EGTT\) Configuration Flowcharts\*](#) contains the flowcharts for the procedures used to configure the Enhanced Global Title Translation feature. These procedures are located in the *Database Administration Manual - Global Title Translation*.

[\*MO SMS B-Party Routing Configuration Flowcharts\*](#) contains the flowcharts for the MO SMS B-Party Routing configuration procedures located in the *Database Administration Manual - Global Title Translation*.

[\*MO SMS Prepaid Intercept on B-Party Configuration Flowcharts\*](#) contains the flowcharts for the MO SMS Prepaid Intercept on B-Party configuration procedures located in the *Database Administration Manual - Global Title Translation*.

[\*IETF M2PA Configuration Flowcharts\*](#) contains the flowcharts for the IETF M2PA configuration procedures located in the *Database Administration Manual - IP7 Secure Gateway*.

[\*IETF M3UA and SUA Configuration Flowcharts\*](#) contains the flowcharts for the IETF M3UA and SUA configuration procedures located in the *Database Administration Manual - IP7 Secure Gateway*.

[\*IPSG M2PA and M3UA Configuration Flowcharts\*](#) contains the flowcharts for the IPSG M2PA and M3UA configuration procedures located in the *Database Administration Manual - IP7 Secure Gateway*.

[\*End Office Support Flowcharts\*](#) contains the flowcharts for the End Office Support configuration procedures located in the *Database Administration Manual - IP7 Secure Gateway*.

[\*Configuring Destination Tables Flowcharts\*](#) contains the flowcharts for the procedures for configuring destination point codes (DPCs). These procedure are located in the *Database Administration Manual - SS7*.

[\*SS7 Configuration Flowcharts\*](#) contains the flowcharts for the procedures that are used to configure linksets, signaling links, routes, and other miscellaneous items to support the SS7 network. These procedures are located in the *Database Administration Manual - SS7*.

[\*Point Code and CIC Translation Configuration Flowcharts\*](#) contains the flowcharts for the procedures that are used to configure the Point Code and CIC Translation feature. These procedures are located in the *Database Administration Manual - SS7*.

[\*E1 Interface Flowcharts\*](#) contains the flowcharts for the procedures used to configure the E1 interface. These procedures are located in the *Database Administration Manual - SS7*.

[\*T1 Interface Flowcharts\*](#) contains the flowcharts for the procedures used to configure the T1 interface. These procedures are located in the *Database Administration Manual - SS7*.

[\*ATM Signaling Link Configuration Flowcharts\*](#) contains the flowcharts for the procedures used to configure ATM high-speed signaling links. These procedures are located in the *Database Administration Manual - SS7*.

[\*Database Management Flowcharts\*](#) contains the flowcharts for the procedures that are used for managing the database. These procedures are located in the *Database Administration Manual - System Management*.

[\*GPL Management Flowcharts\*](#) contains the flowcharts for the procedures that are used for managing the system data (GPLs). These procedures are located in the *Database Administration Manual - System Management*.

[\*System Administration Flowcharts\*](#) contains the flowcharts for the procedures that are used to administer the items shown in the Introduction section of the *Database Administration Manual - System Management*. This chapter also contains the flowcharts for the procedures contained in the Controlled Feature Activation Procedures section of the *Database Administration Manual - System Management*.




*SEAS Over IP Configuration Flowcharts* contains the flowcharts for the procedures that are used to configure the SEAS over IP feature. These procedures are located in the *Database Administration Manual - System Management*.

*Remote Backup and Restore Flowcharts* contains the flowcharts for the procedures that are used for backing up the database to the DB FTP server and restoring the database from the DB FTP server. These procedures are located in the *Database Administration Manual - System Management*.

## Documentation Admonishments

Admonishments are icons and text throughout this manual that alert the reader to assure personal safety, to minimize possible service interruptions, and to warn of the potential for equipment damage.

**Table 1: Admonishments**

	<b>DANGER:</b> (This icon and text indicate the possibility of <i>personal injury</i> .)
	<b>WARNING:</b> (This icon and text indicate the possibility of <i>equipment damage</i> .)
	<b>CAUTION:</b> (This icon and text indicate the possibility of <i>service interruption</i> .)

## Customer Care Center

The Tekelec Customer Care Center is your initial point of contact for all product support needs. A representative takes your call or email, creates a Customer Service Request (CSR) and directs your requests to the Tekelec Technical Assistance Center (TAC). Each CSR includes an individual tracking number. Together with TAC Engineers, the representative will help you resolve your request.

The Customer Care Center is available 24 hours a day, 7 days a week, 365 days a year, and is linked to TAC Engineers around the globe.

Tekelec TAC Engineers are available to provide solutions to your technical questions and issues 7 days a week, 24 hours a day. After a CSR is issued, the TAC Engineer determines the classification of the trouble. If a critical problem exists, emergency procedures are initiated. If the problem is not critical, normal support procedures apply. A primary Technical Engineer is assigned to work on the CSR and provide a solution to the problem. The CSR is closed when the problem is resolved.

Tekelec Technical Assistance Centers are located around the globe in the following locations:

**Tekelec - Global**

Email (All Regions): support@tekelec.com

- **USA and Canada**

Phone:

1-888-FOR-TKLC or 1-888-367-8552 (toll-free, within continental USA and Canada)

1-919-460-2150 (outside continental USA and Canada)

TAC Regional Support Office Hours:

8:00 a.m. through 5:00 p.m. (GMT minus 5 hours), Monday through Friday, excluding holidays

- **Central and Latin America (CALA)**

Phone:

USA access code +1-800-658-5454, then 1-888-FOR-TKLC or 1-888-367-8552 (toll-free)

TAC Regional Support Office Hours (except Brazil):

10:00 a.m. through 7:00 p.m. (GMT minus 6 hours), Monday through Friday, excluding holidays

- **Argentina**

Phone:

0-800-555-5246 (toll-free)

- **Brazil**

Phone:

0-800-891-4341 (toll-free)

TAC Regional Support Office Hours:

8:30 a.m. through 6:30 p.m. (GMT minus 3 hours), Monday through Friday, excluding holidays

- **Chile**

Phone:

1230-020-555-5468

- **Colombia**

Phone:

01-800-912-0537

- **Dominican Republic**

Phone:

1-888-367-8552

- **Mexico**

Phone:

001-888-367-8552

- **Peru**

Phone:

0800-53-087

- **Puerto Rico**

Phone:

1-888-367-8552 (1-888-FOR-TKLC)

- **Venezuela**

Phone:

0800-176-6497

- **Europe, Middle East, and Africa**

Regional Office Hours:

8:30 a.m. through 5:00 p.m. (GMT), Monday through Friday, excluding holidays

- **Signaling**

Phone:

+44 1784 467 804 (within UK)

- **Software Solutions**

Phone:

+33 3 89 33 54 00

- **Asia**

- **India**

Phone:

+91 124 436 8552 or +91 124 436 8553

TAC Regional Support Office Hours:

10:00 a.m. through 7:00 p.m. (GMT plus 5 1/2 hours), Monday through Saturday, excluding holidays

- **Singapore**

Phone:

+65 6796 2288

TAC Regional Support Office Hours:

9:00 a.m. through 6:00 p.m. (GMT plus 8 hours), Monday through Friday, excluding holidays

## Emergency Response

In the event of a critical service situation, emergency response is offered by the Tekelec Customer Care Center 24 hours a day, 7 days a week. The emergency response provides immediate coverage, automatic escalation, and other features to ensure that the critical situation is resolved as rapidly as possible.

A critical situation is defined as a problem that severely affects service, traffic, or maintenance capabilities, and requires immediate corrective action. Critical problems affect service and/or system operation resulting in:

- A total system failure that results in loss of all transaction processing capability
- Significant reduction in system capacity or traffic handling capability
- Loss of the system's ability to perform automatic system reconfiguration
- Inability to restart a processor or the system
- Corruption of system databases that requires service affecting corrective actions
- Loss of access for maintenance or recovery operations
- Loss of the system ability to provide any required critical or major trouble notification

Any other problem severely affecting service, capacity/traffic, billing, and maintenance capabilities may be defined as critical by prior discussion and agreement with the Tekelec Customer Care Center.

## Related Publications

For information about additional publications that are related to this document, refer to the *Related Publications* document. The *Related Publications* document is published as a part of the *Release Documentation* and is also published as a separate document on the Tekelec Customer Support Site.

## Documentation Availability, Packaging, and Updates

Tekelec provides documentation with each system and in accordance with contractual agreements. For General Availability (GA) releases, Tekelec publishes a complete EAGLE 5 ISS documentation set. For Limited Availability (LA) releases, Tekelec may publish a documentation subset tailored to specific feature content or hardware requirements. Documentation Bulletins announce a new or updated release.

The Tekelec EAGLE 5 ISS documentation set is released on an optical disc. This format allows for easy searches through all parts of the documentation set.

The electronic file of each manual is also available from the [Tekelec Customer Support](#) site. This site allows for 24-hour access to the most up-to-date documentation, including the latest versions of Feature Notices.

Printed documentation is available for GA releases on request only and with a lead time of six weeks. The printed documentation set includes pocket guides for commands and alarms. Pocket guides may also be ordered separately. Exceptions to printed documentation are:

- Hardware or Installation manuals are printed without the linked attachments found in the electronic version of the manuals.
- The Release Notice is available only on the Customer Support site.

**Note:** Customers may print a reasonable number of each manual for their own use.



Documentation is updated when significant changes are made that affect system operation. Updates resulting from Severity 1 and 2 Problem Reports (PRs) are made to existing manuals. Other changes are included in the documentation for the next scheduled release. Updates are made by re-issuing an electronic file to the customer support site. Customers with printed documentation should contact their Sales Representative for an addendum. Occasionally, changes are communicated first with a Documentation Bulletin to provide customers with an advanced notice of the issue until officially released in the documentation. Documentation Bulletins are posted on the Customer Support site and can be viewed per product and release.

## Locate Product Documentation on the Customer Support Site

Access to Tekelec's Customer Support site is restricted to current Tekelec customers only. This section describes how to log into the Tekelec Customer Support site and locate a document. Viewing the document requires Adobe Acrobat Reader, which can be downloaded at [www.adobe.com](http://www.adobe.com).

1. Log into the [Tekelec Customer Support](#) site.

**Note:** If you have not registered for this new site, click the **Register Here** link. Have your customer number available. The response time for registration requests is 24 to 48 hours.

2. Click the **Product Support** tab.
3. Use the Search field to locate a document by its part number, release number, document name, or document type. The Search field accepts both full and partial entries.
4. Click a subject folder to browse through a list of related files.
5. To download a file to your location, right-click the file name and select **Save Target As**.

## Maintenance and Administration Subsystem

The Maintenance and Administration Subsystem (MAS) is the central management point for the EAGLE 5 ISS. The MAS provides user interface, maintenance communication, peripheral services, alarm processing, system disk interface, and measurements. Management and redundancy are provided by use of two separate subsystem processors.

The MAS resides on two separate sets of Maintenance and Administration Subsystem Processor (MASP) cards and a Maintenance Disk and Alarm card (collectively referred to as control cards). The control cards are located in slots 1113 through 1118 of the EAGLE 5 ISS control shelf. The control cards can be either E5-based cards or legacy cards.

**Note:** In normal operation, the E5-based control cards and the legacy control cards cannot be mixed in one EAGLE 5 ISS control shelf.

### Legacy Control Cards

The legacy set of EAGLE 5 ISS control cards consists of the following cards:

- Two MASP card sets; each set contains the following two cards:
  - A General Purpose Service Module II (GPSM-II) card
  - A Terminal Disk Module (TDM) card

- One Maintenance Disk and Alarm (MDAL) card

**General Purpose Service Module II (GPSM-II) Card**

Each GPSM-II card contains the Communications Processor and the Applications Processor and provides connections to the IMT bus. The card controls the maintenance and database administration activity and performs both application and communication processing. GPSM-II cards are located in slots 1113 and 1115 of the control shelf.

**Terminal Disk Module (TDM) Card**

Each TDM card provides the Terminal Processor for the 16 I/O ports, and interfaces to the Maintenance Disk and Alarm (MDAL) card. The TDM card also distributes Composite Clocks and High Speed Master clocks throughout the EAGLE 5 ISS, and distributes Shelf ID to the EAGLE 5 ISS. Each TDM card contains one fixed disk drive that is used to store primary and backup system databases, measurements, and Generic Program Loads (GPLs). The TDM cards are located in slots 1114 and 1116 of the control shelf.

**Maintenance Disk and Alarm (MDAL) Card**

The MDAL card processes alarm requests and provides fan control. There is only one MDAL card in a control card set. Critical, major, and minor system alarms are provided for up to 6 individual frames. In addition to the 3 system alarms, the MDAL card provides the system audible alarm. The MDAL card provides control of fans on a per-frame basis and allows for each fan relay to be set individually. The MDAL card contains a removable cartridge drive; the removable cartridge is used for installing new software; backing up the system software, the application software, and the database; and for downloading data for off-line processing. The MDAL card is located in slots 1117 and 1118 of the control shelf.

**E5-based Control Cards**

The E5-based set of EAGLE 5 ISS control cards consists of the following cards:

- Two Maintenance and Administration Subsystem Processor cards (E5-MASP) cards. Each dual-slot E5-MASP card is made up of the following two modules:
  - Maintenance Communication Application Processor (E5-MCAP) card
  - Terminal Disk Module (E5-TDM) card
- One Maintenance Disk and Alarm card (E5-MDAL card)

**Maintenance Communication Application Processor (E5-MCAP) Card**

The E5-MCAP card contains the Communications Processor and Applications Processor and provides connections to the IMT bus. The card controls the maintenance and database administration activity and performs both application and communication processing. E5-MCAP cards are located in slots 1113 and 1115 of the control shelf.

Each E5-MCAP card contains two USB ports. One latched USB port is used with removable flash media ("thumb drives"), and one flush-mounted USB port is used with a plug-in "credit card" flash drive. The removable media drive is used to install and back up customer data. The credit card drive is used for upgrade and could be used for disaster recovery.

**Terminal Disk Module (E5-TDM) Card**

The E5-TDM card provides the Terminal Processor for the 16 I/O ports, and interfaces to the Maintenance Disk and Alarm (E5-MDAL) card and fixed disk storage. The E5-TDM card also distributes Composite Clocks and High Speed Master clocks throughout the EAGLE 5 ISS, and distributes Shelf

ID to the EAGLE 5 ISS. Each E5-TDM card contains one fixed SATA drive that is used to store primary and backup system databases, measurements, and Generic Program Loads (GPLs). E5-TDM cards are located in slots 1114 and 1116 of the control shelf.

#### **Maintenance Disk and Alarm (E5-MDAL) Card**

The E5-MDAL card processes alarm requests and provides fan control. There is only one E5-MDAL card in a control card set. Critical, major, and minor system alarms are provided for up to 6 individual frames. In addition to the 3 system alarms, the E5-MDAL card provides the system audible alarm. The E5-MDAL card provides control of fans on a per-frame basis, and allows for each fan relay to be set individually. The E5-MDAL card does not contain a removable cartridge drive; drives for removable media are located on the E5-MCAP card. The E5-MDAL card is located in slots 1117 and 1118 of the control shelf.

## **EAGLE 5 ISS Database Partitions**

The data that the EAGLE 5 ISS uses to perform its functions are stored in two separate areas: the fixed disk drives, and the removable cartridge. The following sections describe these areas and data that is stored on them. These areas and their partitions are shown in [Figure 1: EAGLE 5 ISS Database Partitions \(Legacy Control Cards\)](#) and [Figure 2: EAGLE 5 ISS Database Partitions \(E5-Based Control Cards\)](#).

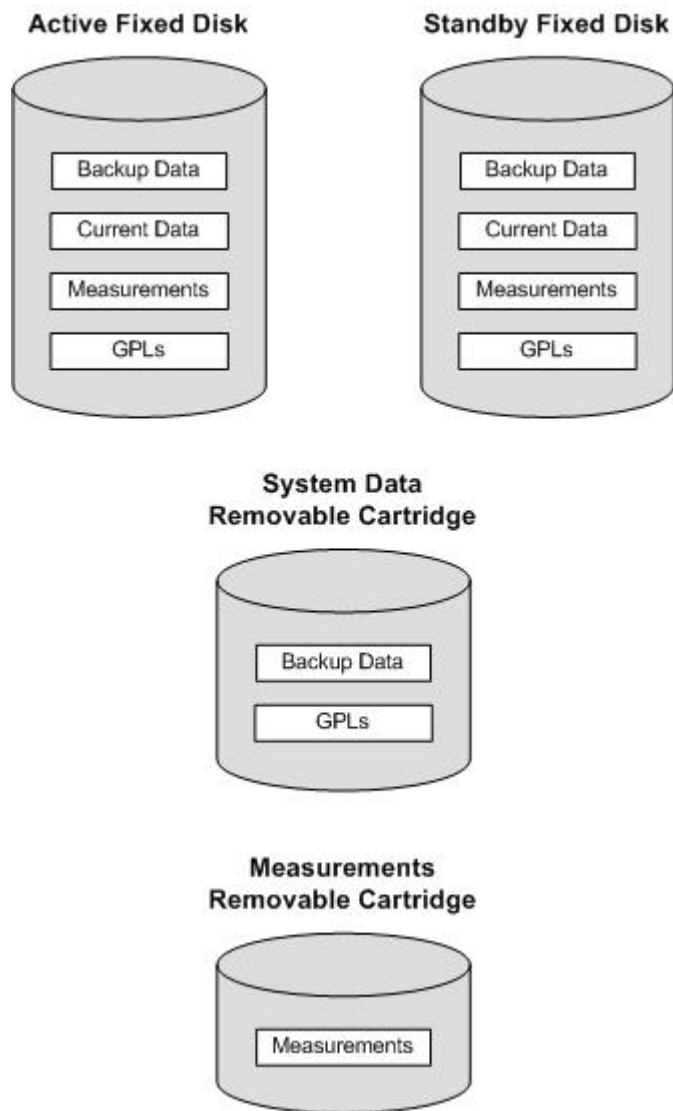


Figure 1: EAGLE 5 ISS Database Partitions (Legacy Control Cards)

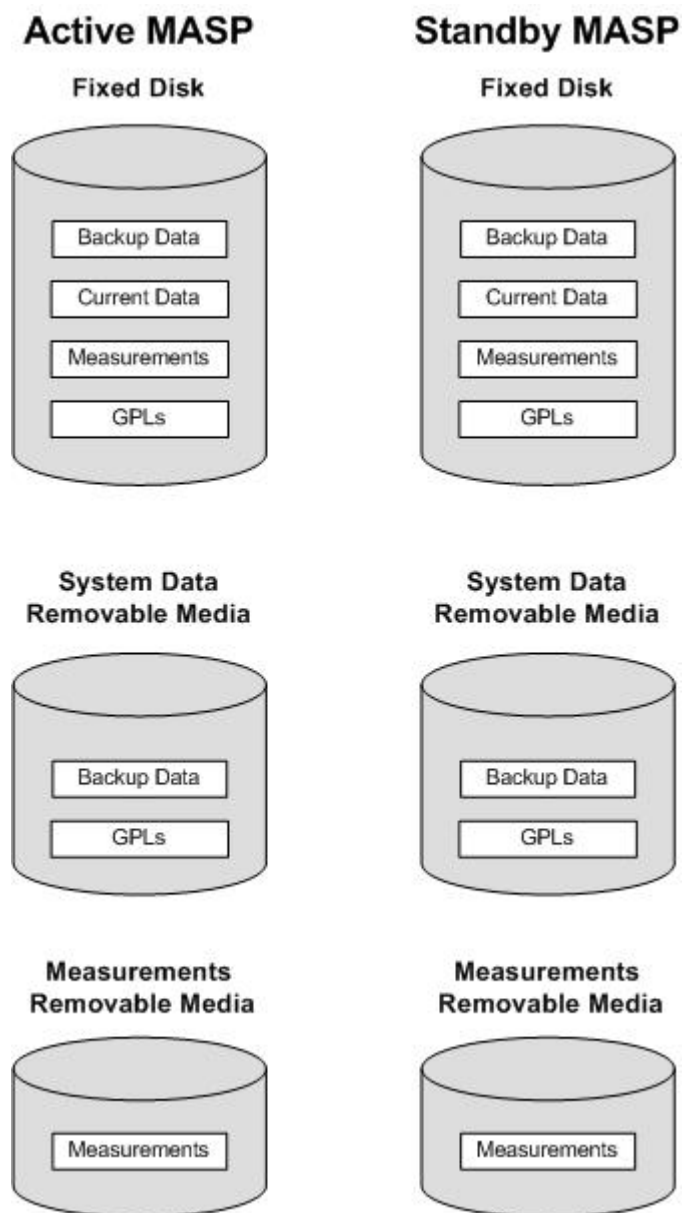


Figure 2: EAGLE 5 ISS Database Partitions (E5-Based Control Cards)

#### Fixed Disk Drive

There are two fixed disk drives on the EAGLE 5 ISS. The fixed disk drives contain the “master” set of data and programs for the EAGLE 5 ISS. The two fixed disk drives are located on the terminal disk modules (TDMs). Both disks have the same files. The data stored on the fixed disks is partially replicated on the various cards in the EAGLE 5 ISS. Changes made during database administration sessions are sent to the appropriate cards.

The data on the fixed disks can be viewed as four partitions.

- Current partition

- Backup partition
- Measurements partition
- Generic program loads (GPLs) partition

The data which can be administered by users is stored in two partitions on the fixed disk, a current database partition which has the tables which are changed by on-line administration, and a backup database partition which is a user-controlled copy of the current partition.

All of the on-line data administration commands effect the data in the current partition. The purpose of the backup partition is to provide the users with a means of rapidly restoring the database to a known good state if there has been a problem while changing the current partition.

A full set of GPLs is stored on the fixed disk, in the GPL partition. There is an approved GPL and a trial GPL for each type of GPL in this set and a utility GPL, which has only an approved version. Copies of these GPLs are downloaded to the EAGLE 5 ISS cards. The GPL provides each card with its functionality. For example, the `ss7ansi` GPL provides MTP functionality for link interface modules (LIMs).

Measurement tables are organized as a single partition on the fixed disk. These tables are used as holding areas for the measurement counts.

### Removable Cartridge or Removable Media

The removable cartridge is used with the legacy MDAL control card in card location 1117. The removable media is used with the E5-MCAP card portion of the E5-MASP in card locations 1113 and 1115.

The removable cartridge or removable media is used for two purposes.

- To hold an off-line backup copy of the administered data and system GPLs
- To hold a copy of the measurement tables

Because of the size of the data stored on the fixed disk drives on the TDMs, a single removable cartridge or removable media cannot store all of the data in the database, GPL and measurements partitions.

To use a removable cartridge or removable media to hold the system data, it must be formatted for system data. To use a removable cartridge or removable media to hold measurements data, it must be formatted for measurements data. The EAGLE 5 ISS provides the user the ability to format a removable cartridge or removable media for either of these purposes. A removable cartridge or removable media can be formatted on the EAGLE 5 ISS by using the `format-disk` command. More information on the `format-disk` command can be found in the *Commands Manual*. More information on the removable cartridge or removable media drives can be found in the *Hardware Manual - EAGLE 5 ISS*.

Additional and preformatted removable cartridges or removable media are available from the [Customer Care Center](#).

# Chapter 2

## STPLAN Configuration Flowcharts

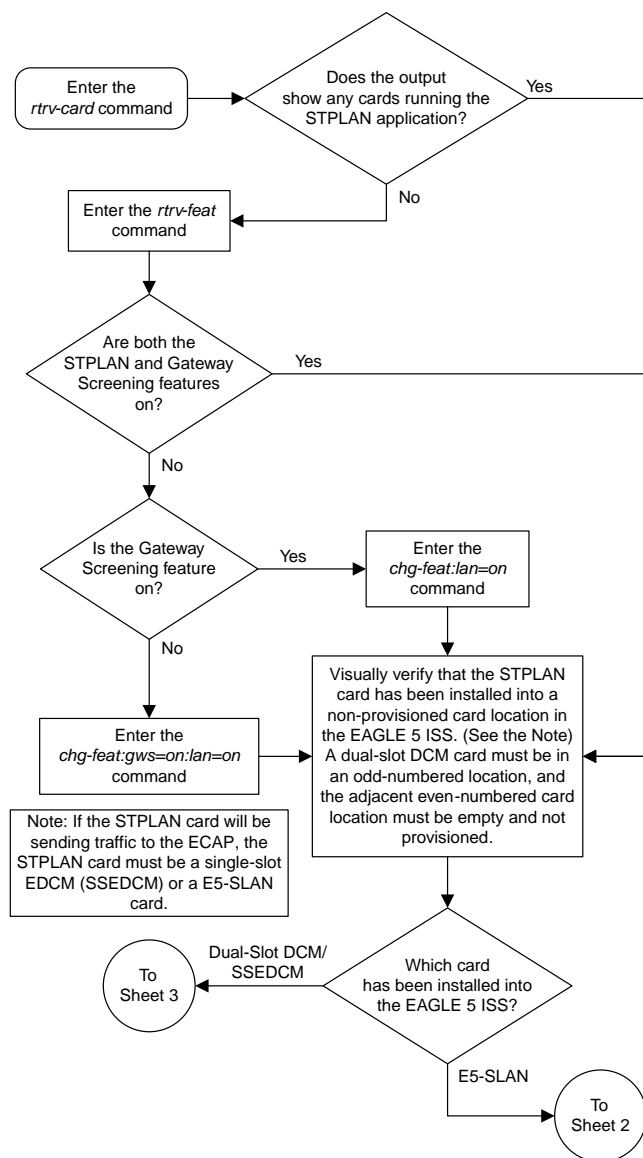
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### Topics:

- *Adding an STPLAN Card.....32*
- *Removing an STPLAN Card.....35*
- *Adding a TCP/IP Data Link.....36*
- *Removing a TCP/IP Data Link.....38*
- *Adding a TCP/IP Node.....39*
- *Removing a TCP/IP Node.....41*
- *Configuring the Copy Original OPC for STPLAN Option.....43*
- *Configuring the Option for Including the Incoming and Outgoing Linkset Names in the STPLAN Message Format.....44*

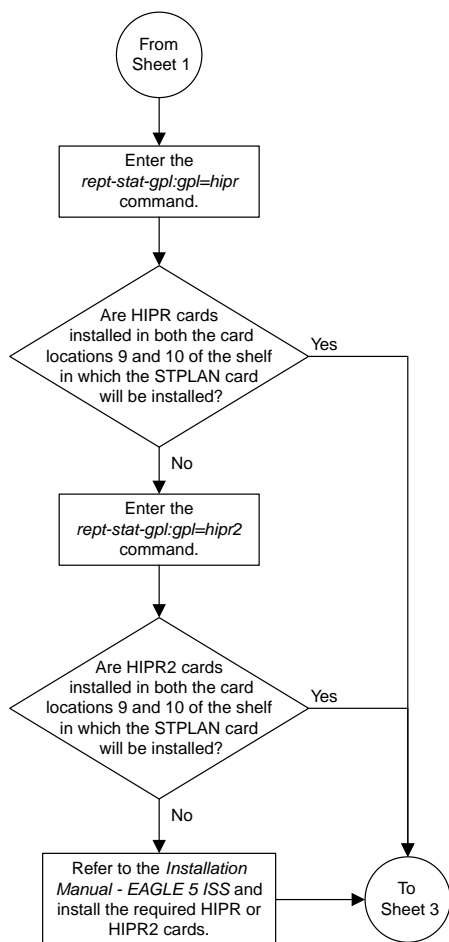
This chapter contains the flowcharts for the STPLAN configuration procedures located in the *Database Administration Manual - Features*.

## Adding an STPLAN Card

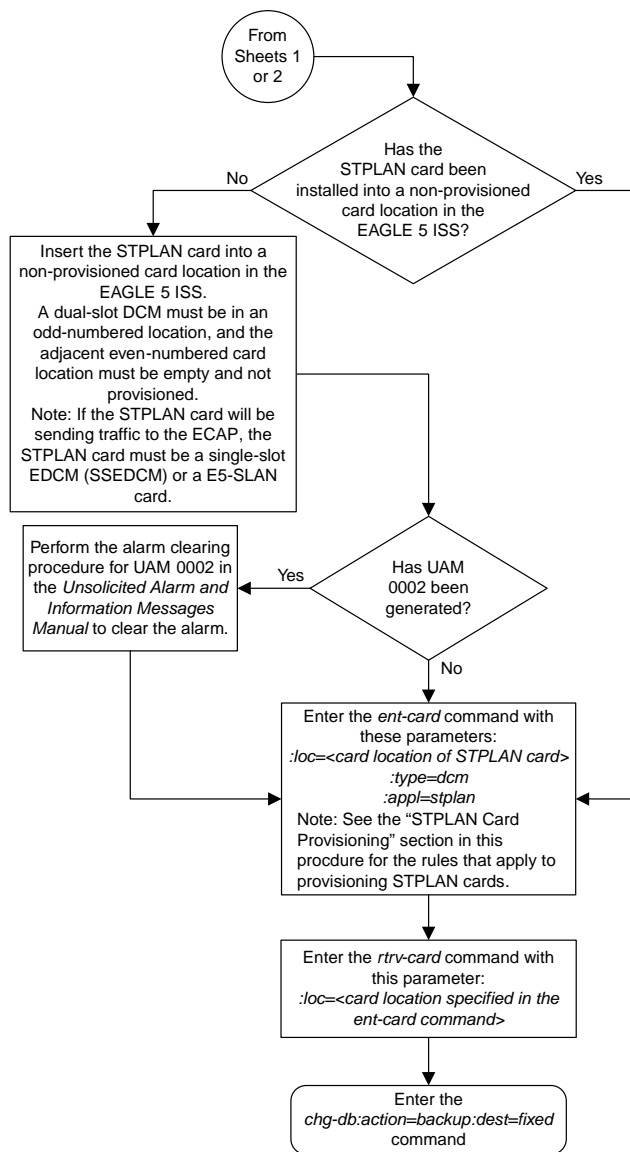


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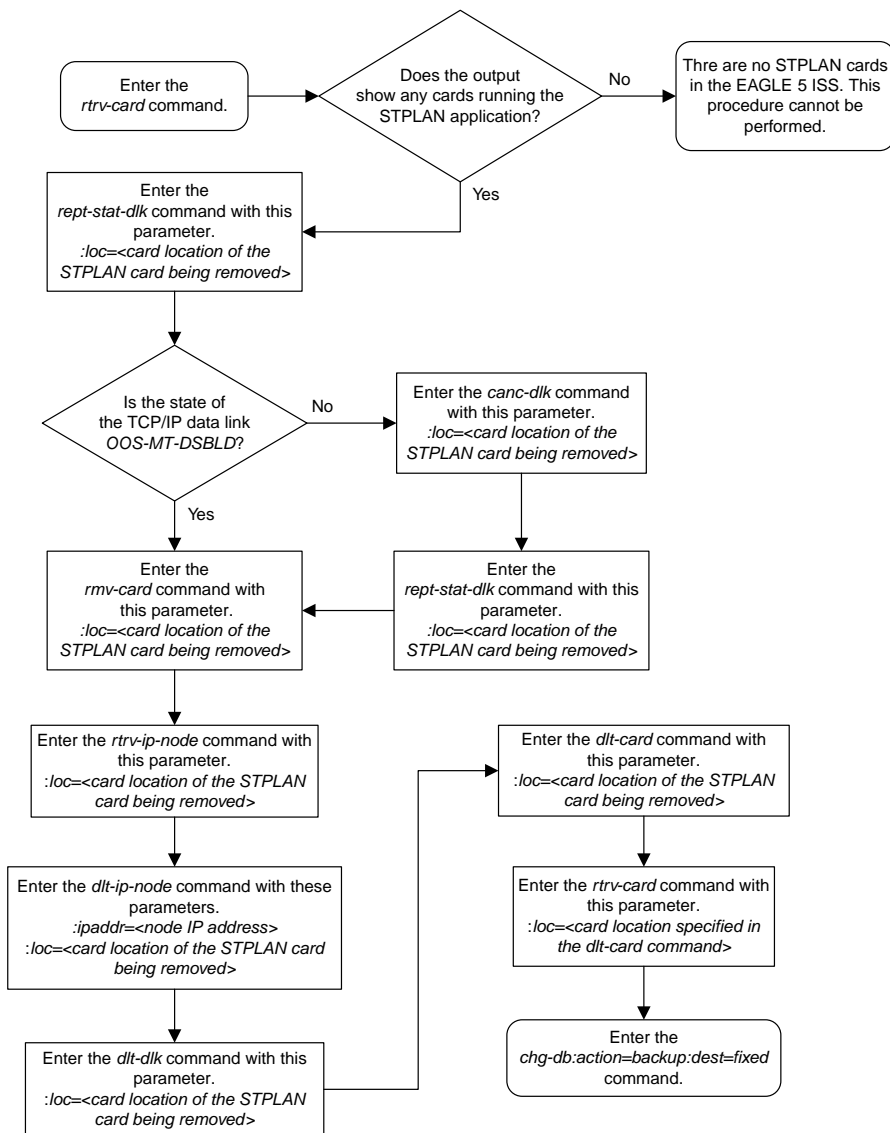




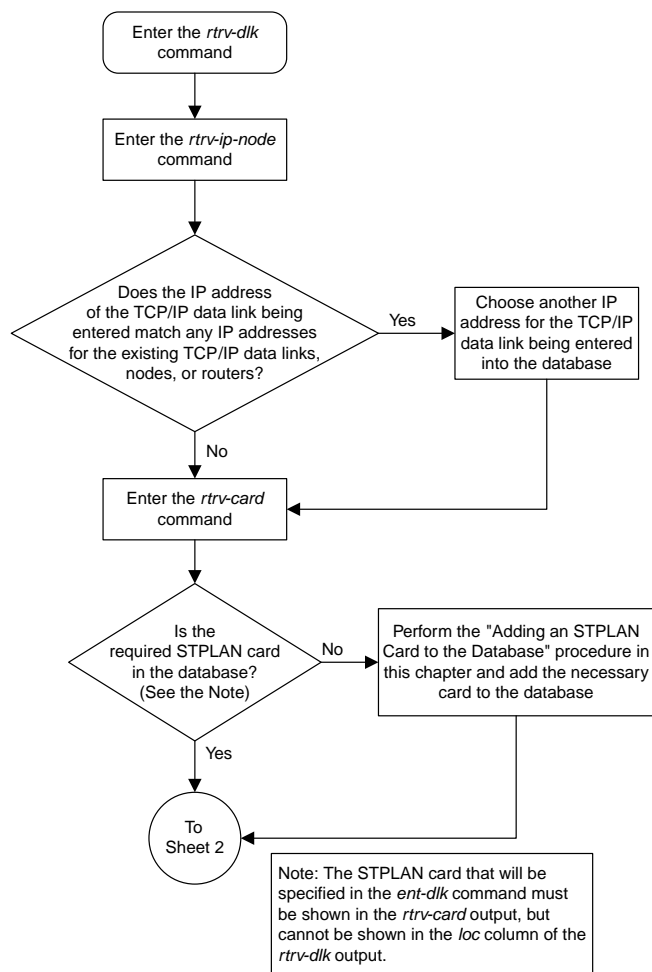
Sheet 2 of 3

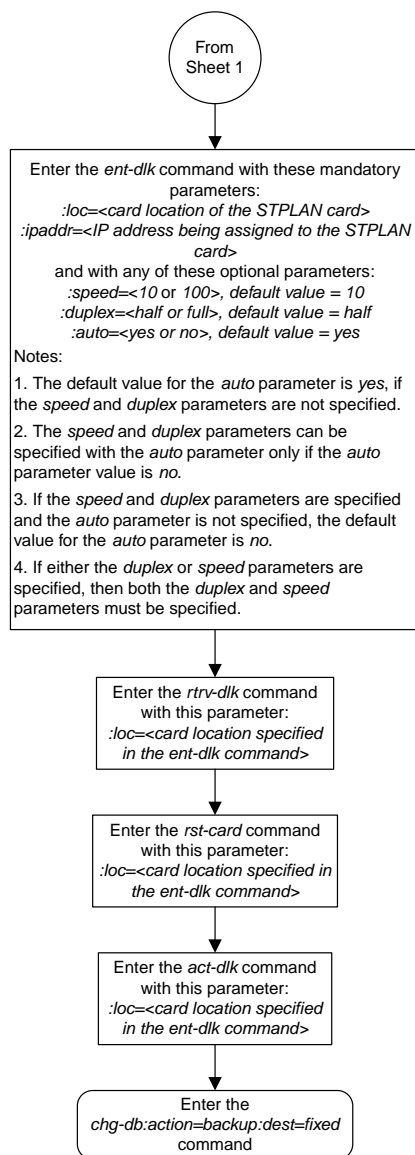


## Removing an STPLAN Card



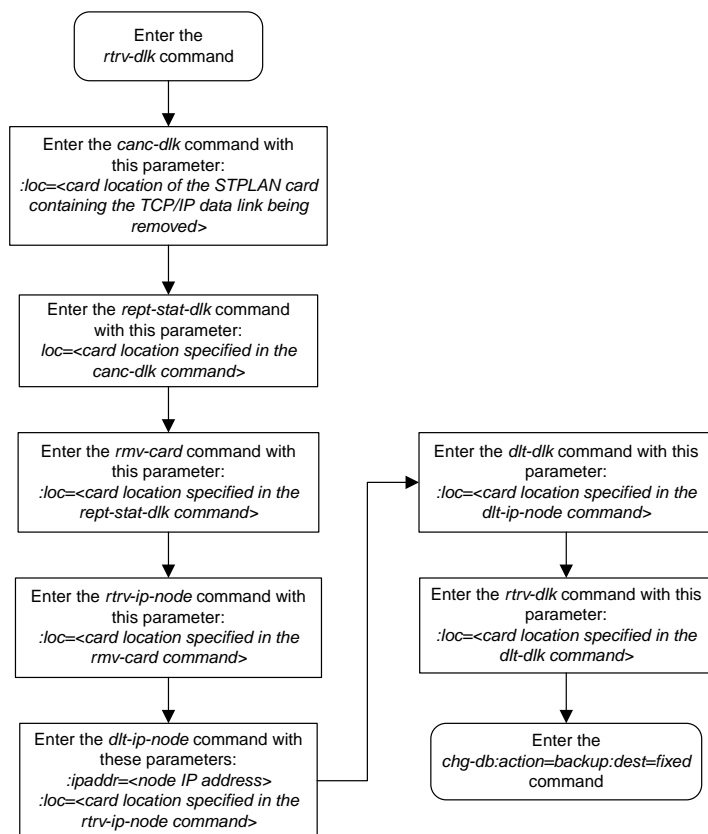
## Adding a TCP/IP Data Link



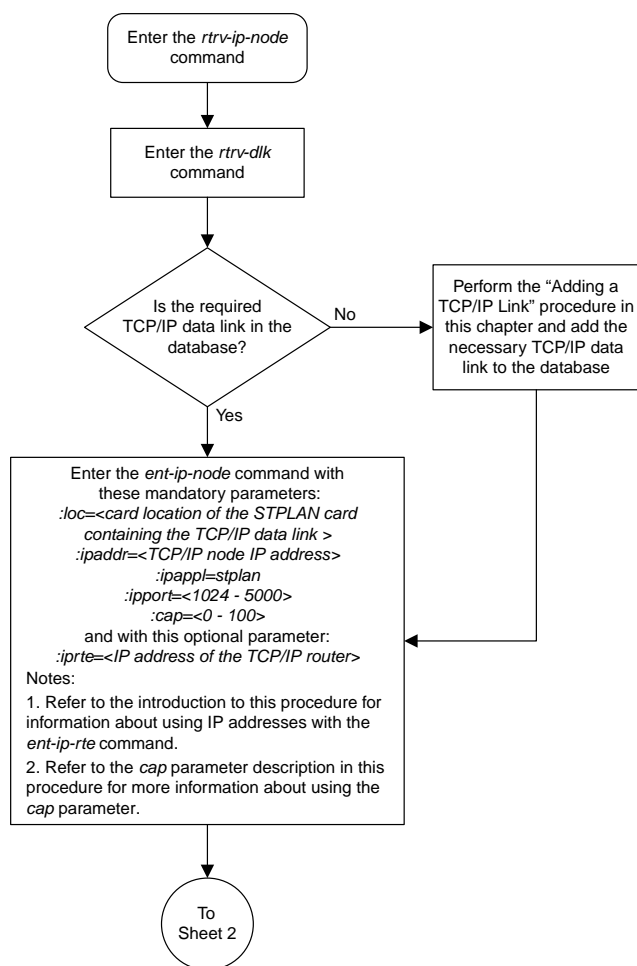


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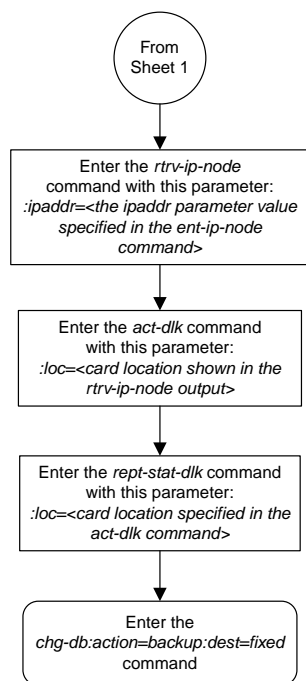
## Removing a TCP/IP Data Link



## Adding a TCP/IP Node



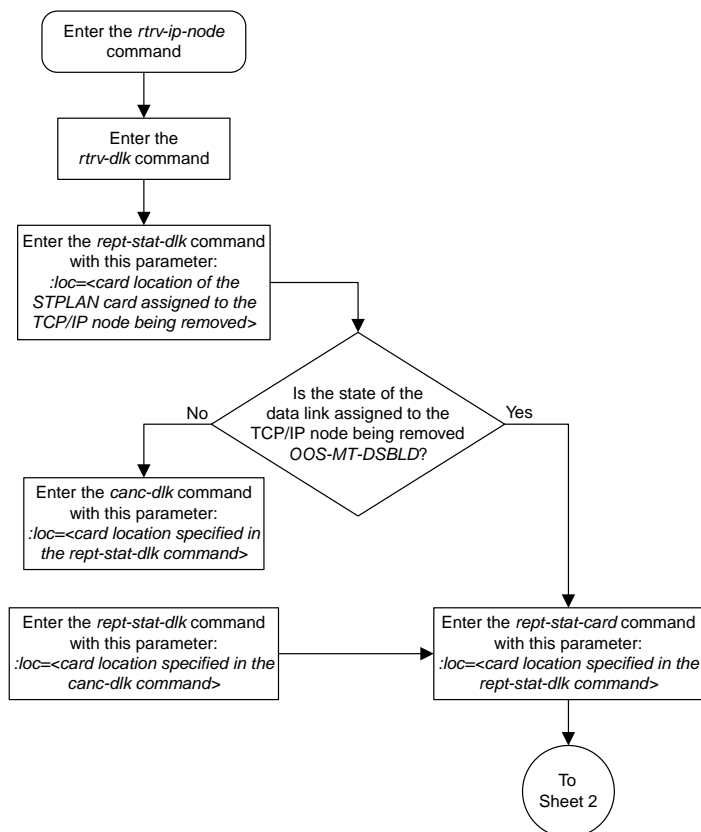
Sheet 1 of 2



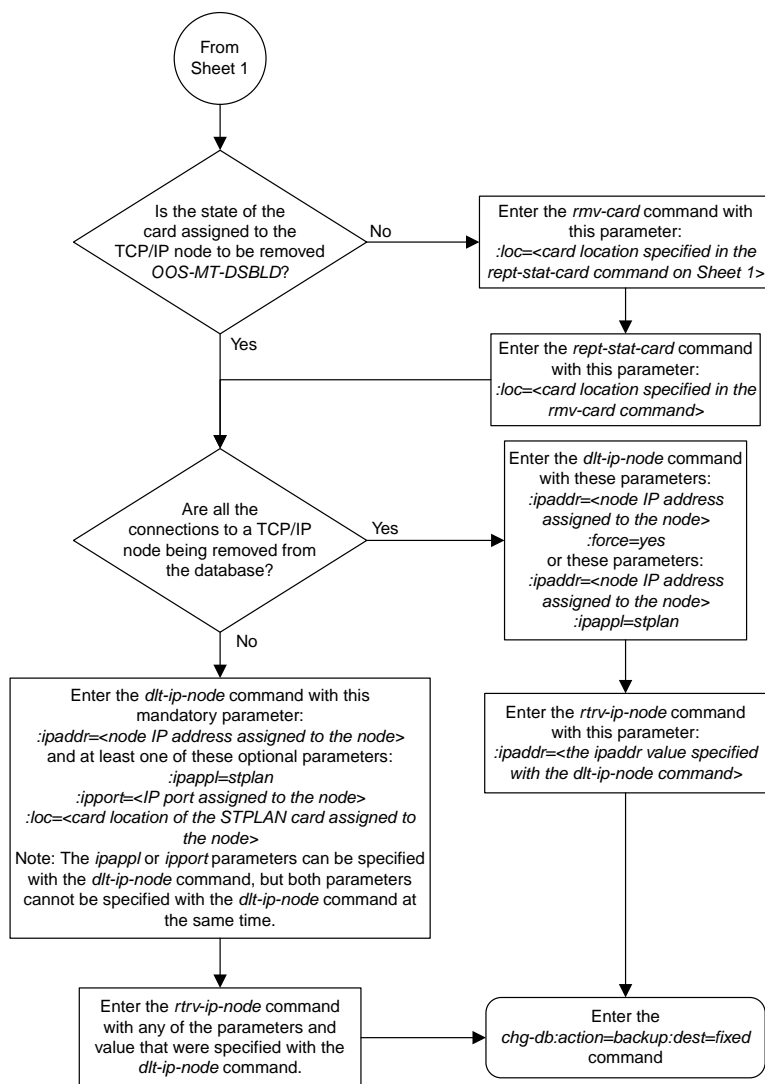
Sheet 2 of 2



## Removing a TCP/IP Node

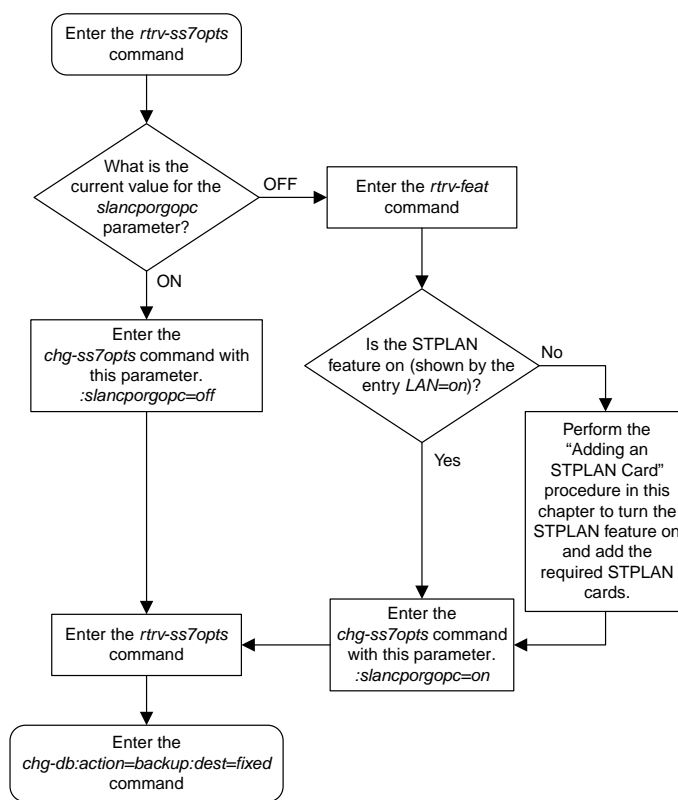


Sheet 1 of 2

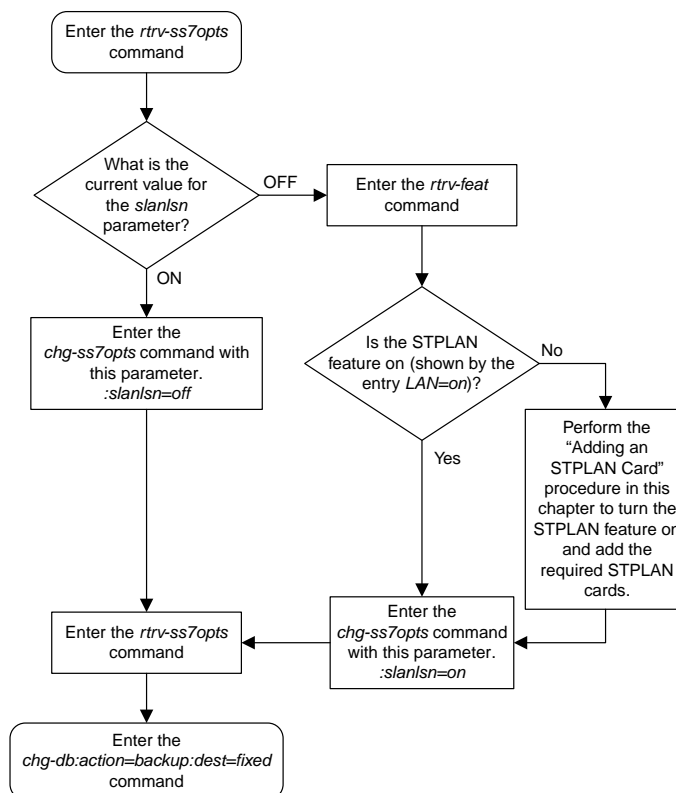


Sheet 2 of 2

## Configuring the Copy Original OPC for STPLAN Option



## Configuring the Option for Including the Incoming and Outgoing Linkset Names in the STPLAN Message Format



# Chapter 3

## Database Transport Access (DTA) Configuration Flowcharts

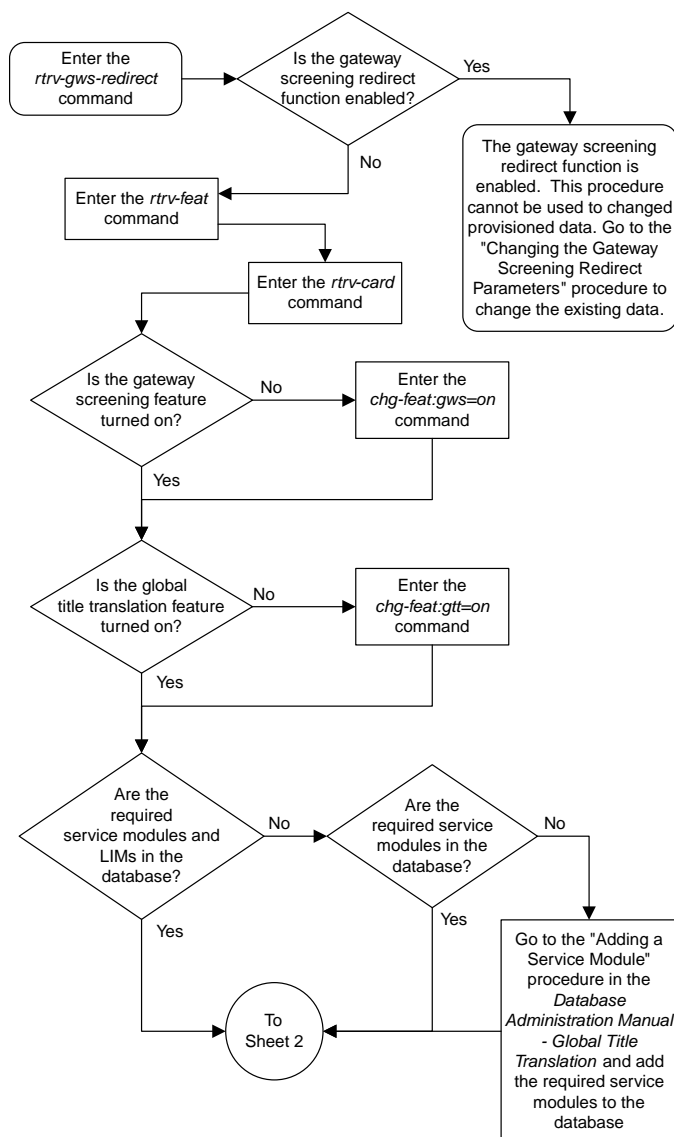
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### Topics:

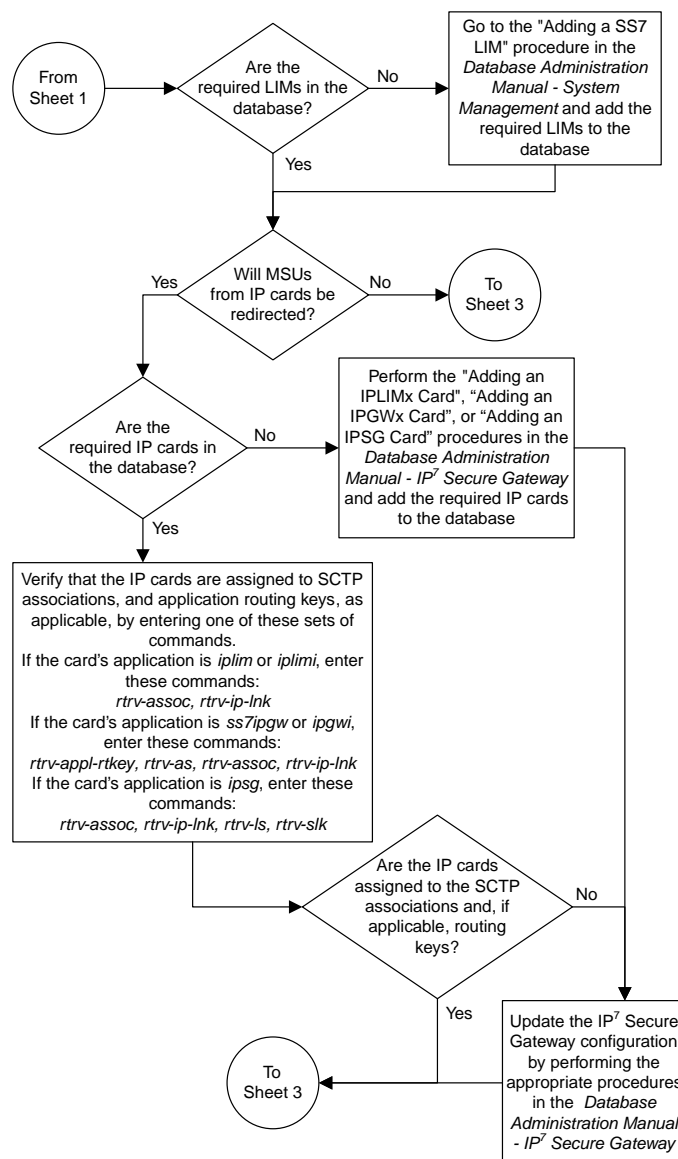
- *Configuring the EAGLE 5 ISS for the DTA Feature.....46*
- *Changing the Gateway Screening Redirect Parameters.....57*
- *Disabling the Gateway Screening Redirect Function.....61*

This chapter contains the flowcharts for the Database Transport Access configuration procedures located in the *Database Administration Manual - Features*.

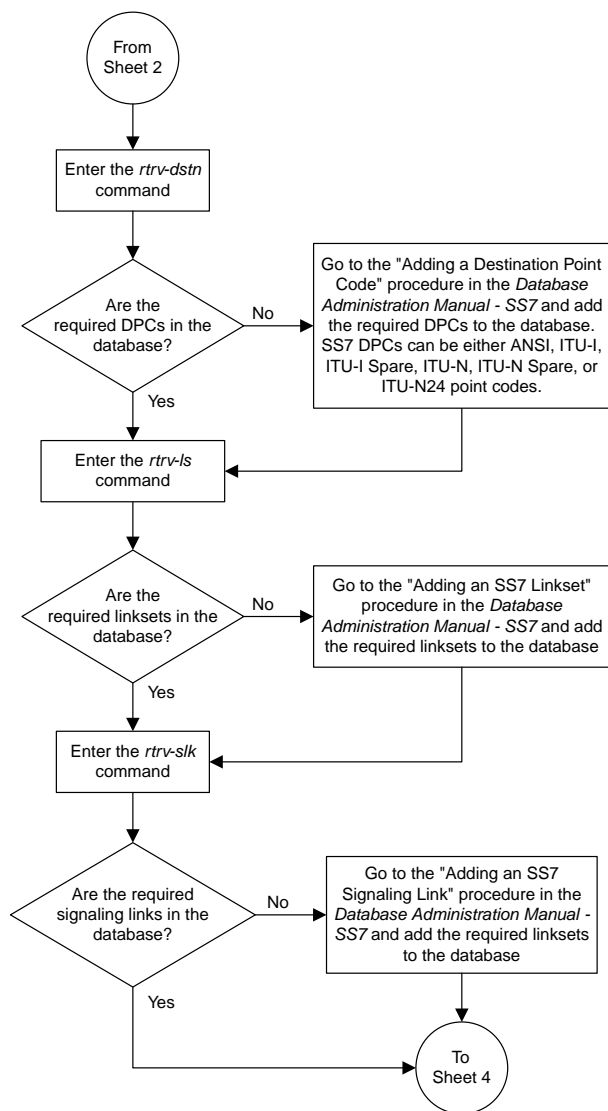
## Configuring the EAGLE 5 ISS for the DTA Feature



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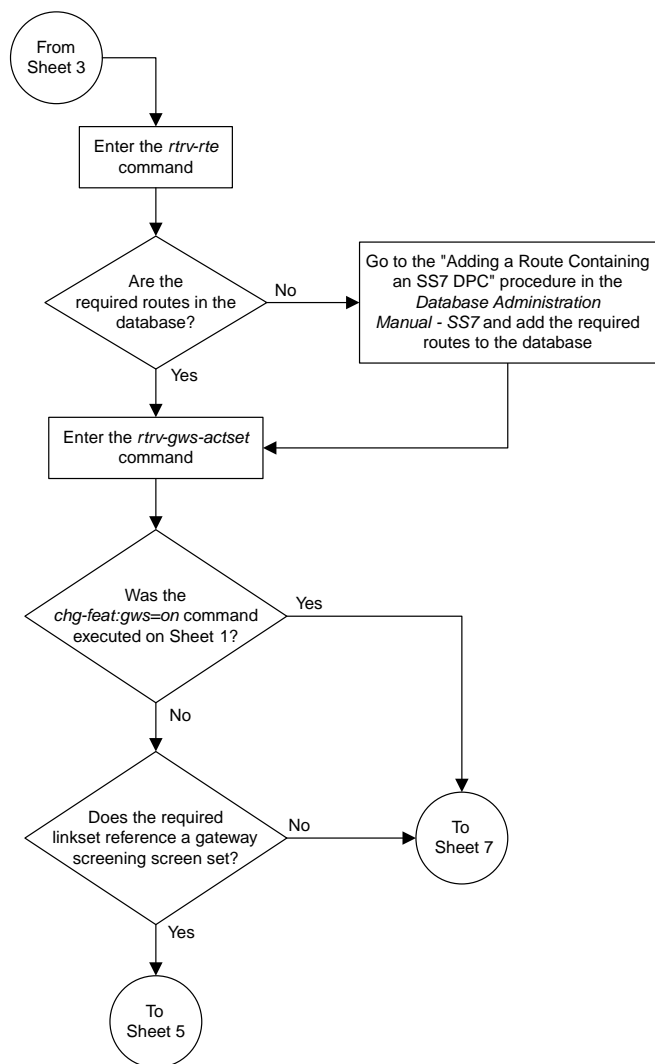


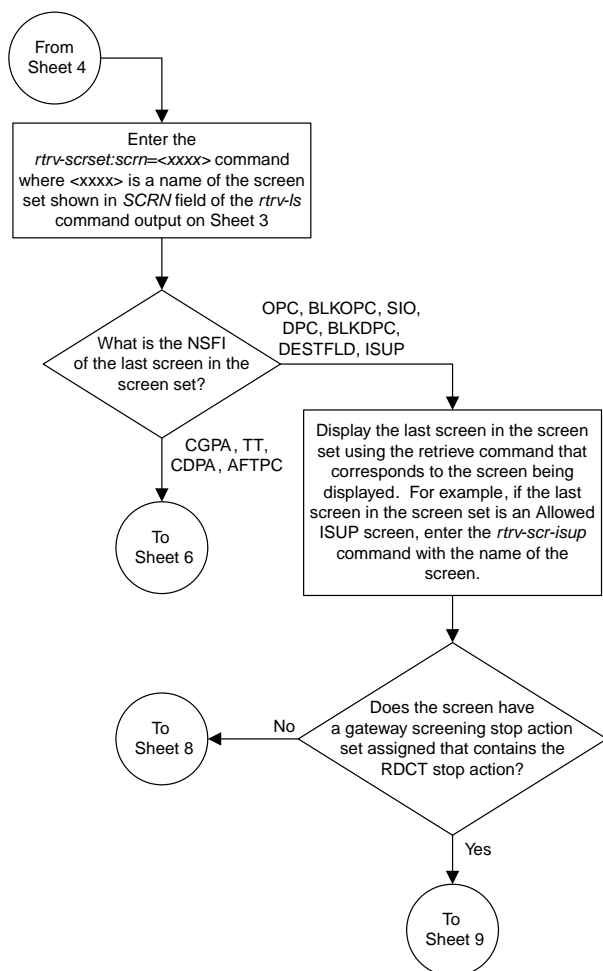
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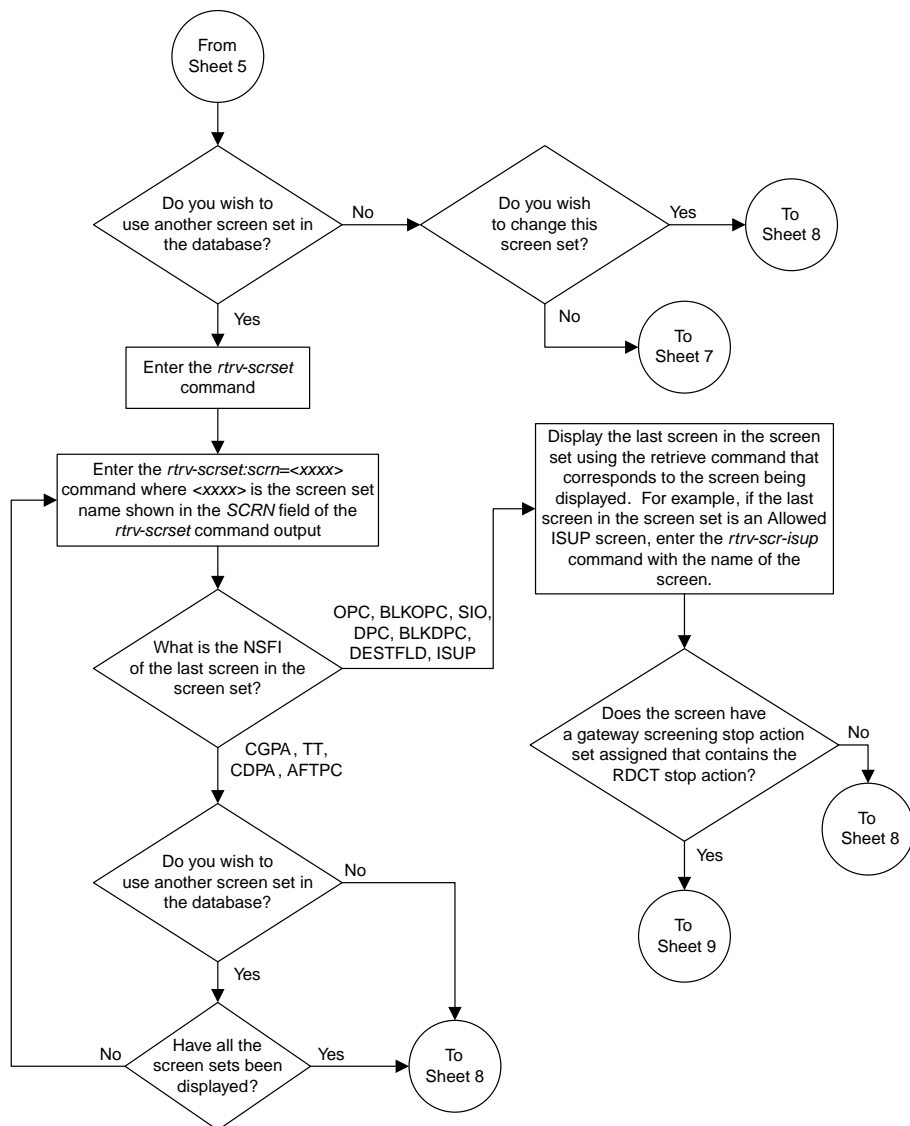
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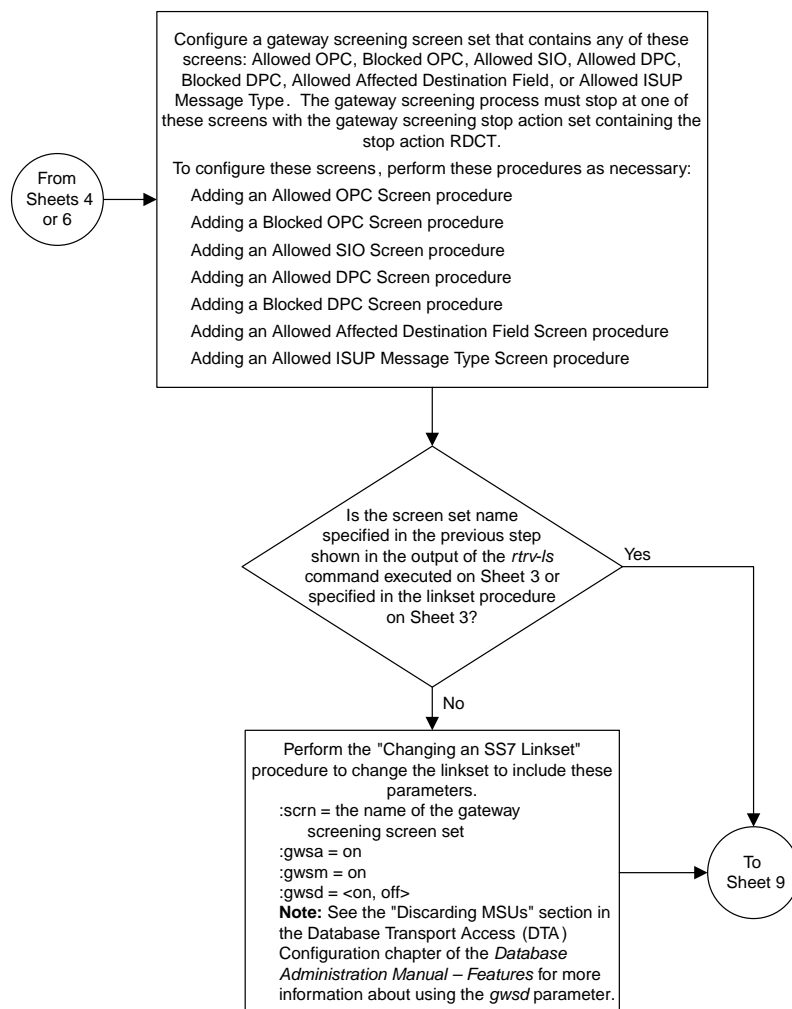


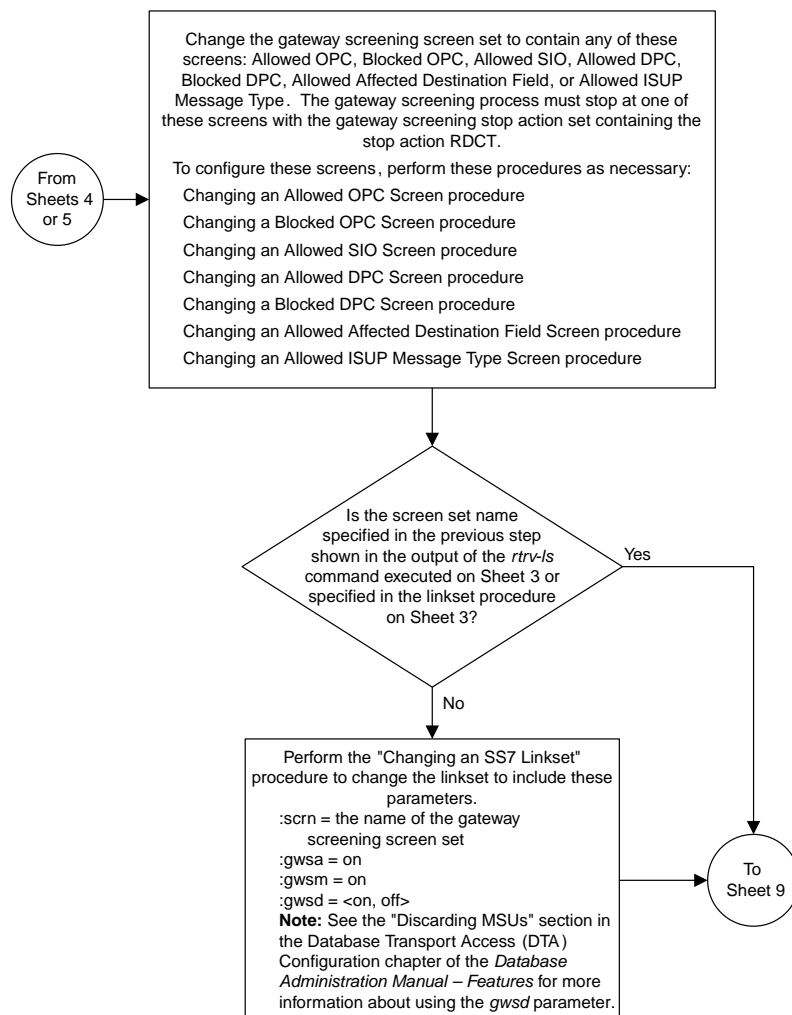


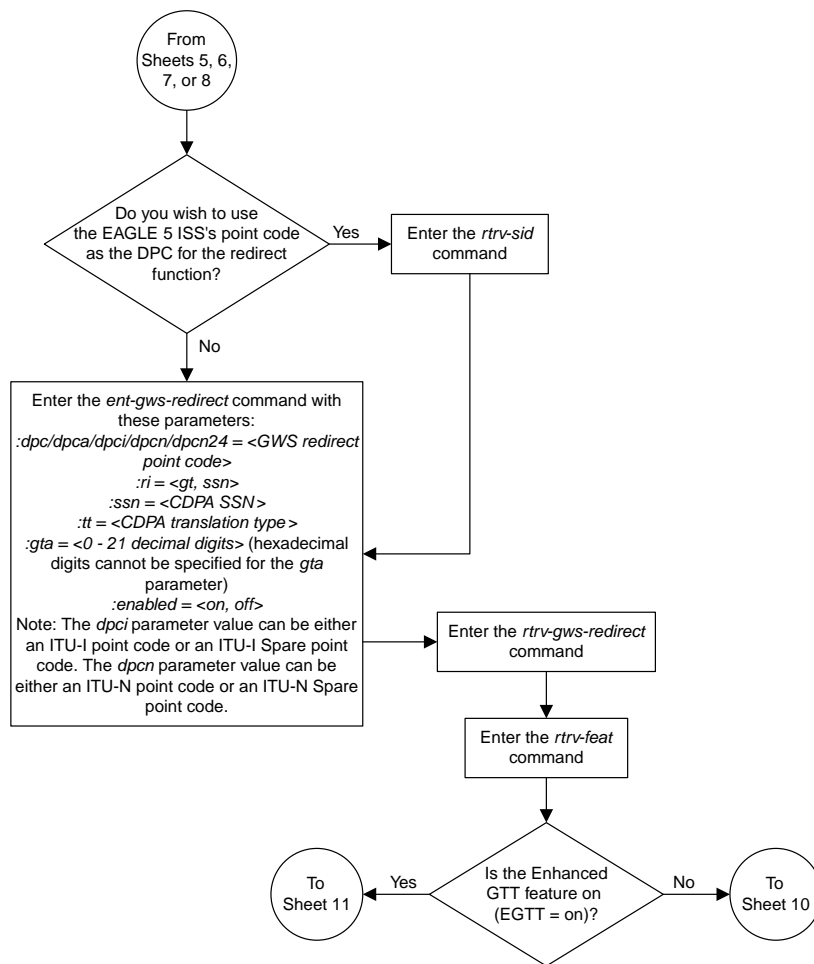
Sheet 5 of 11

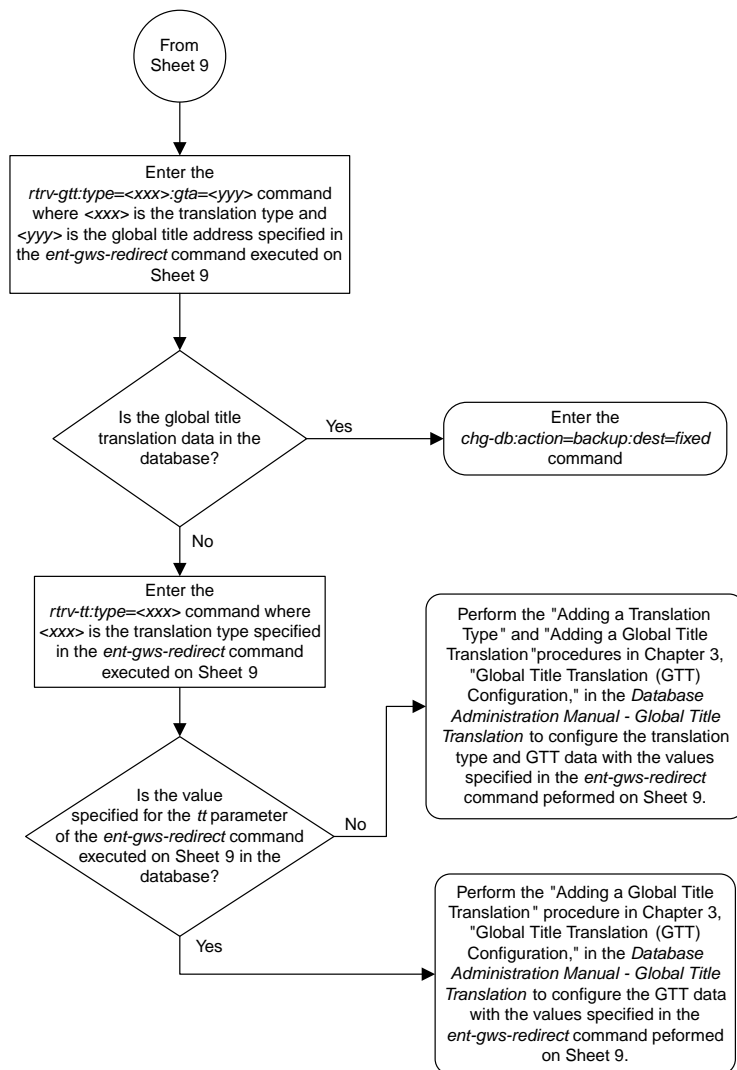


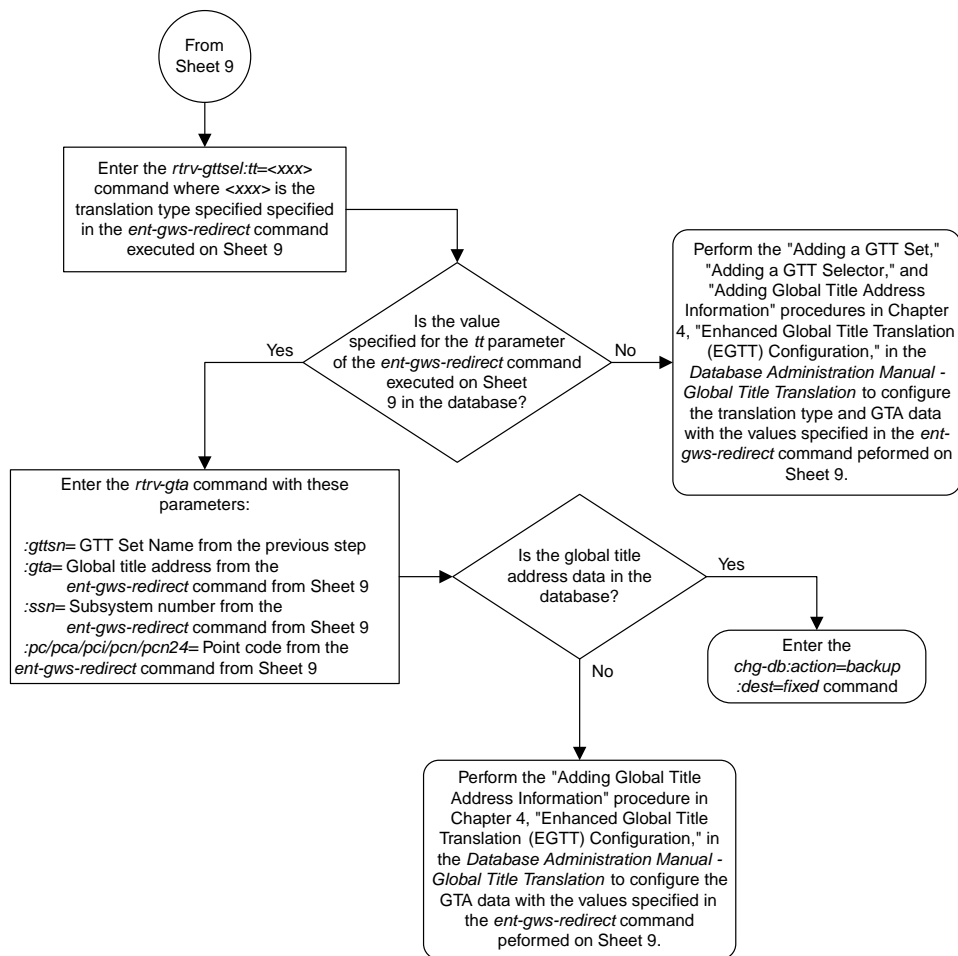
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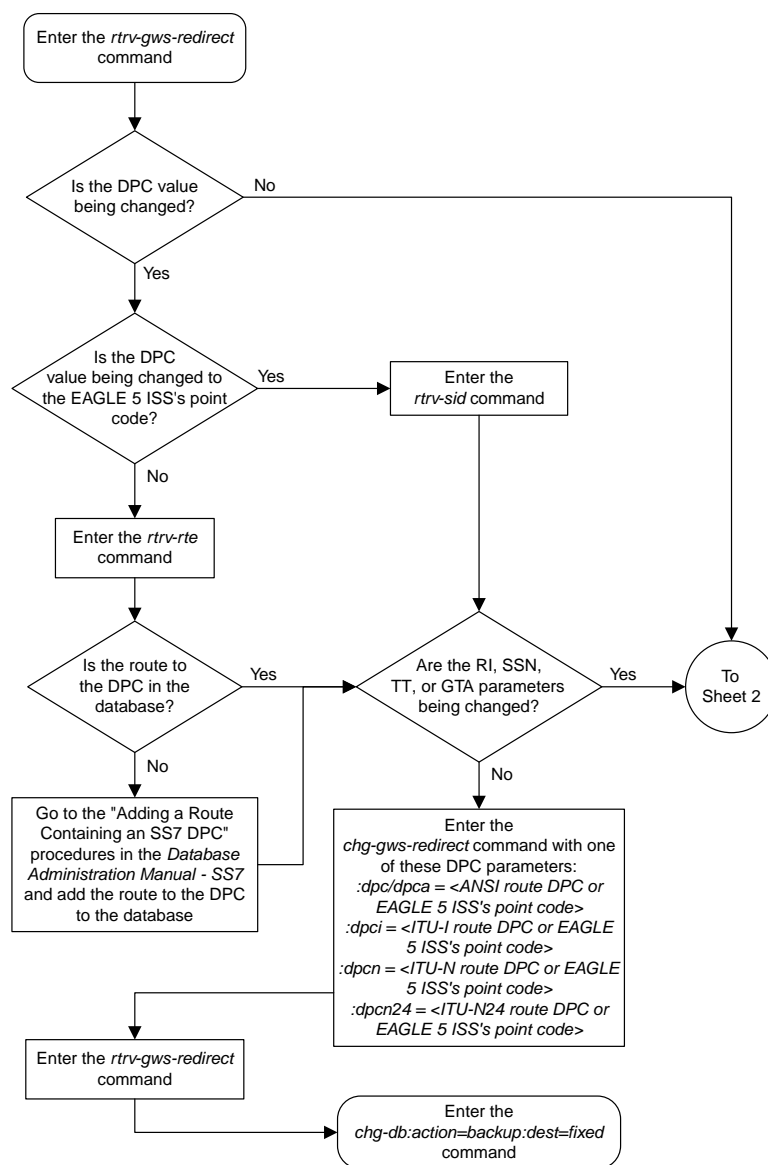




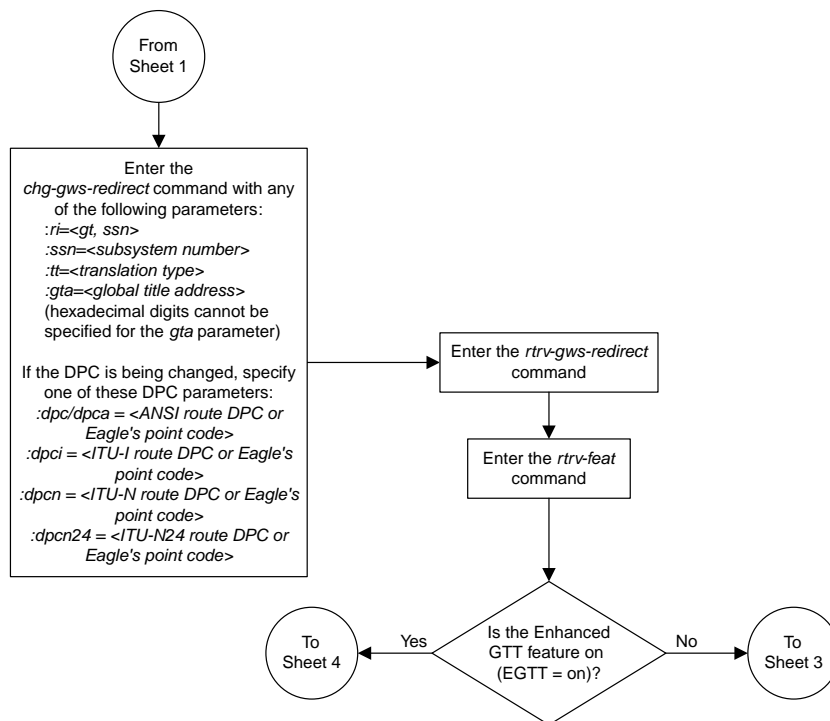




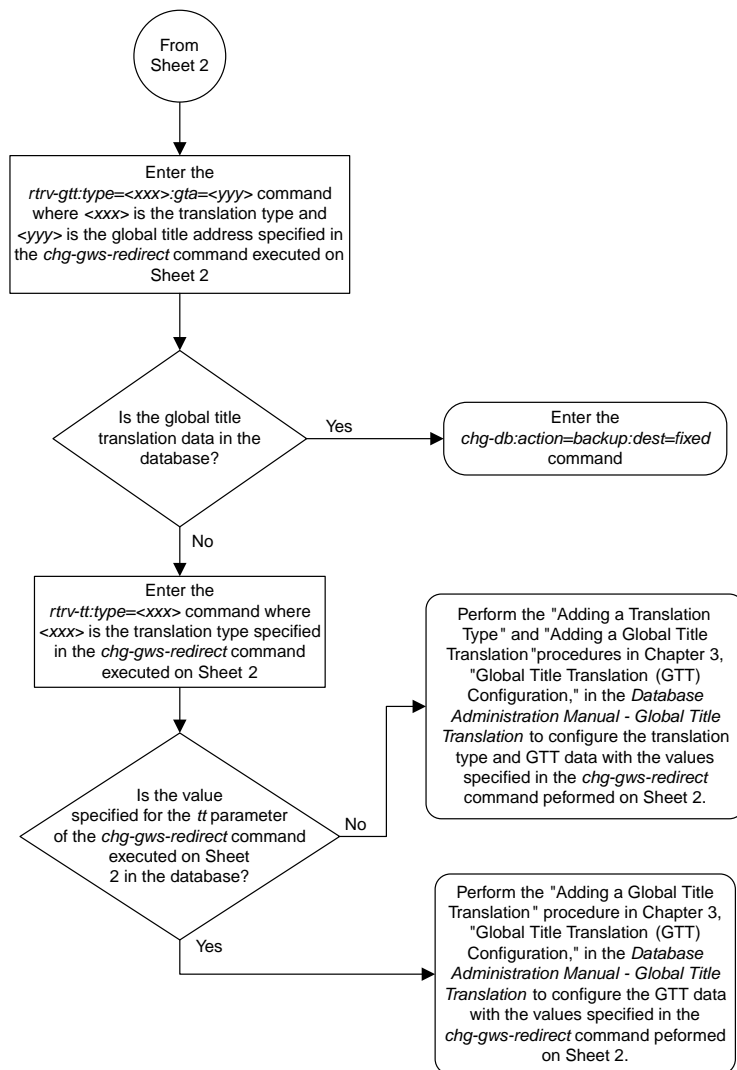
## Changing the Gateway Screening Redirect Parameters



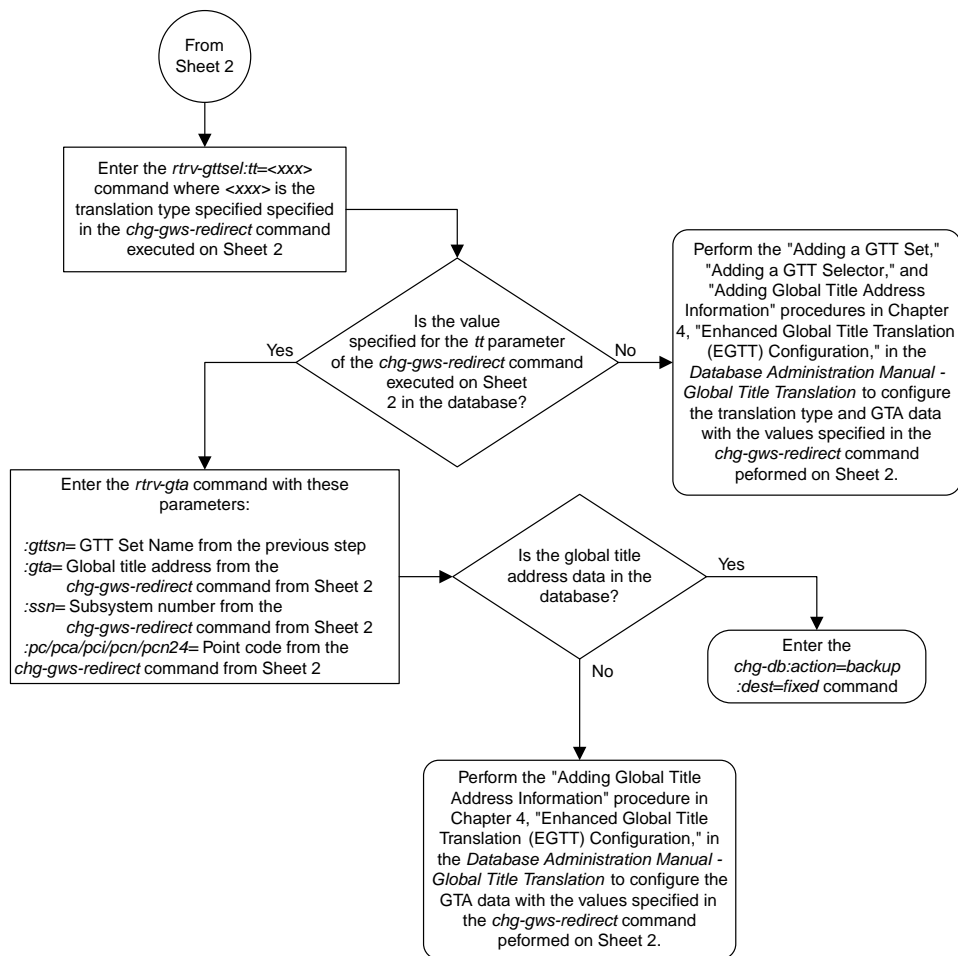
Sheet 1 of 4



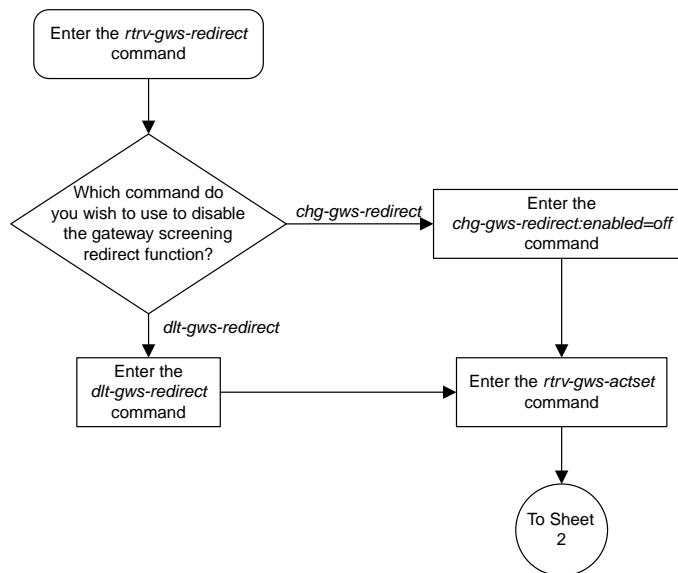
Sheet 2 of 4



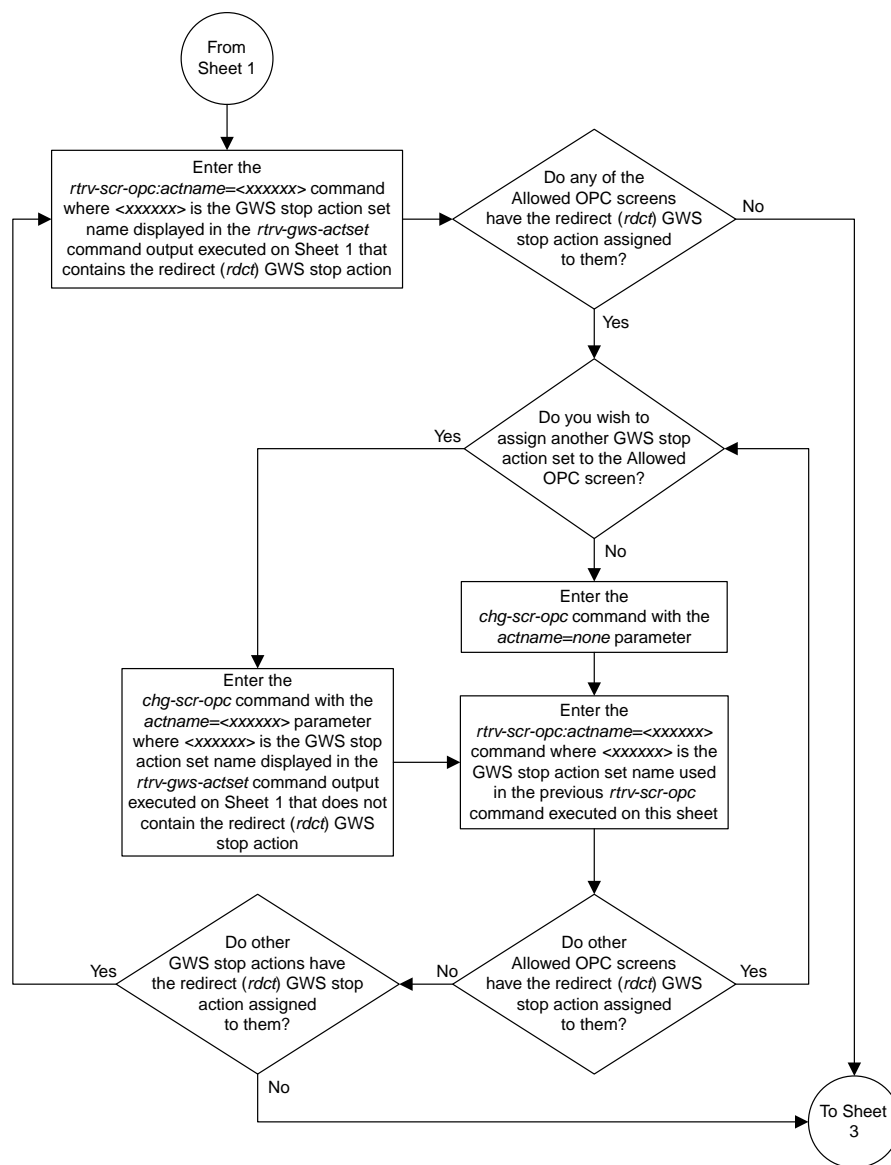
Sheet 3 of 4



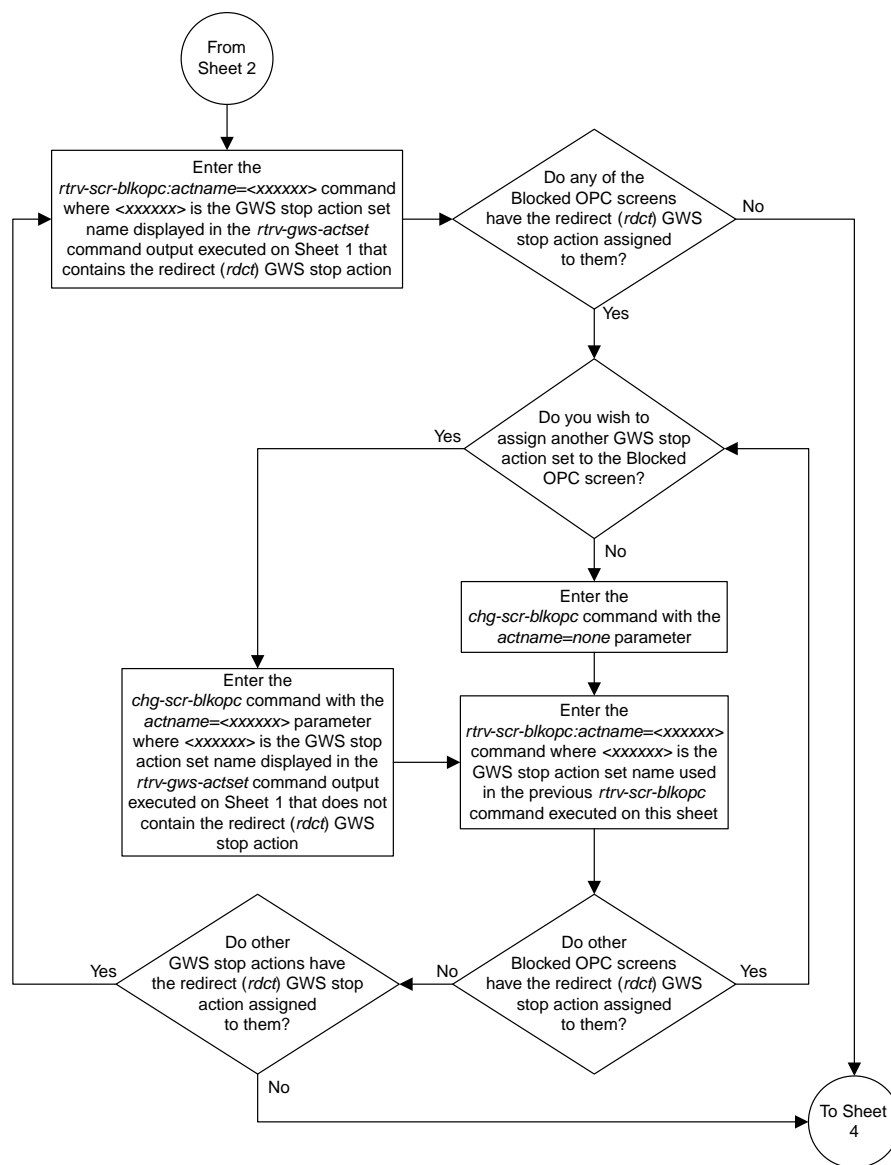
## Disabling the Gateway Screening Redirect Function



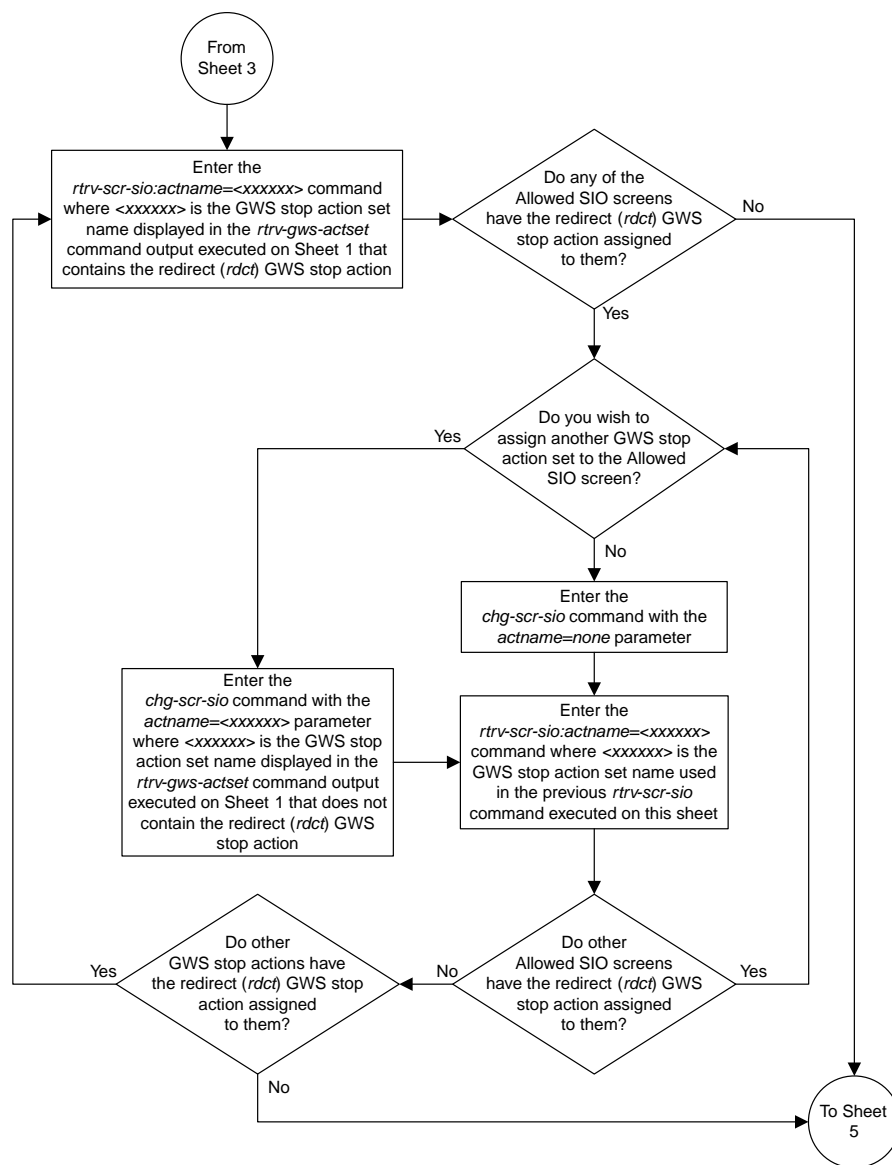
Sheet 1 of 7



Sheet 2 of 7

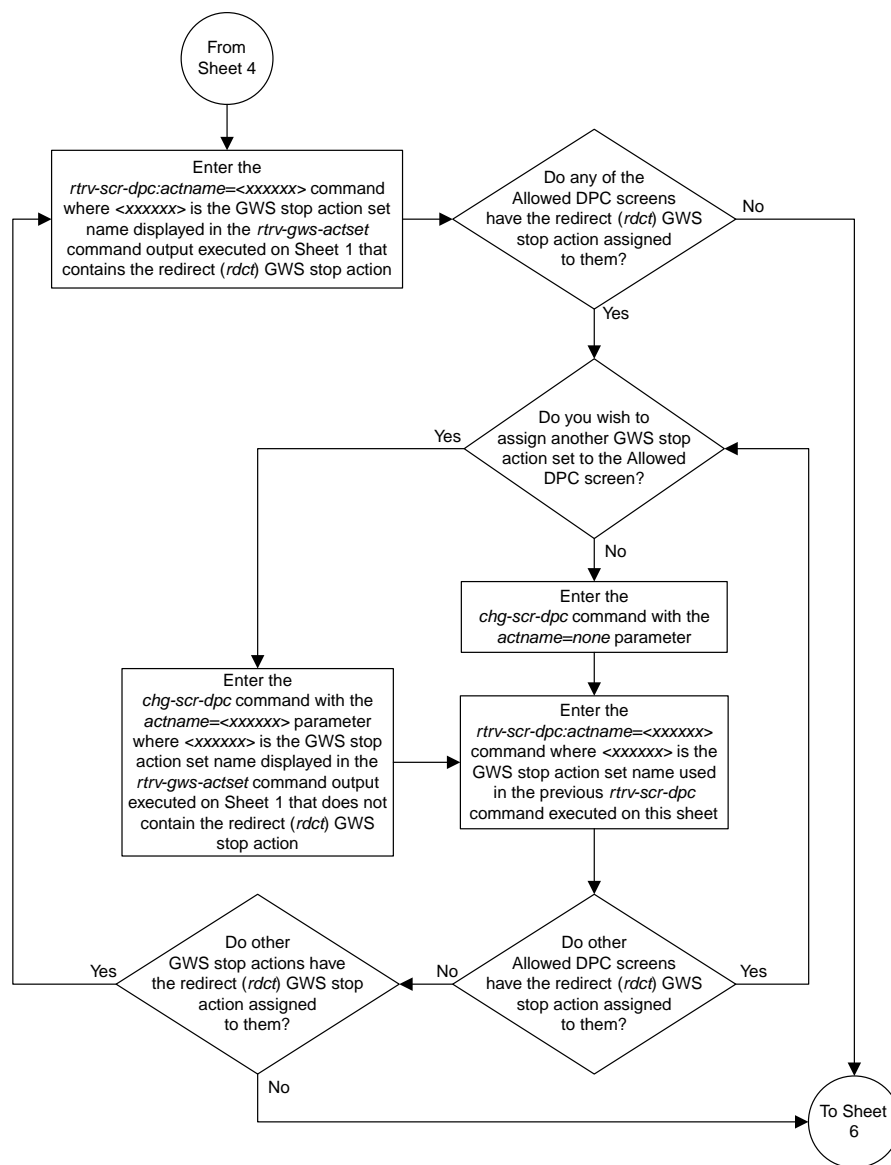


Sheet 3 of 7

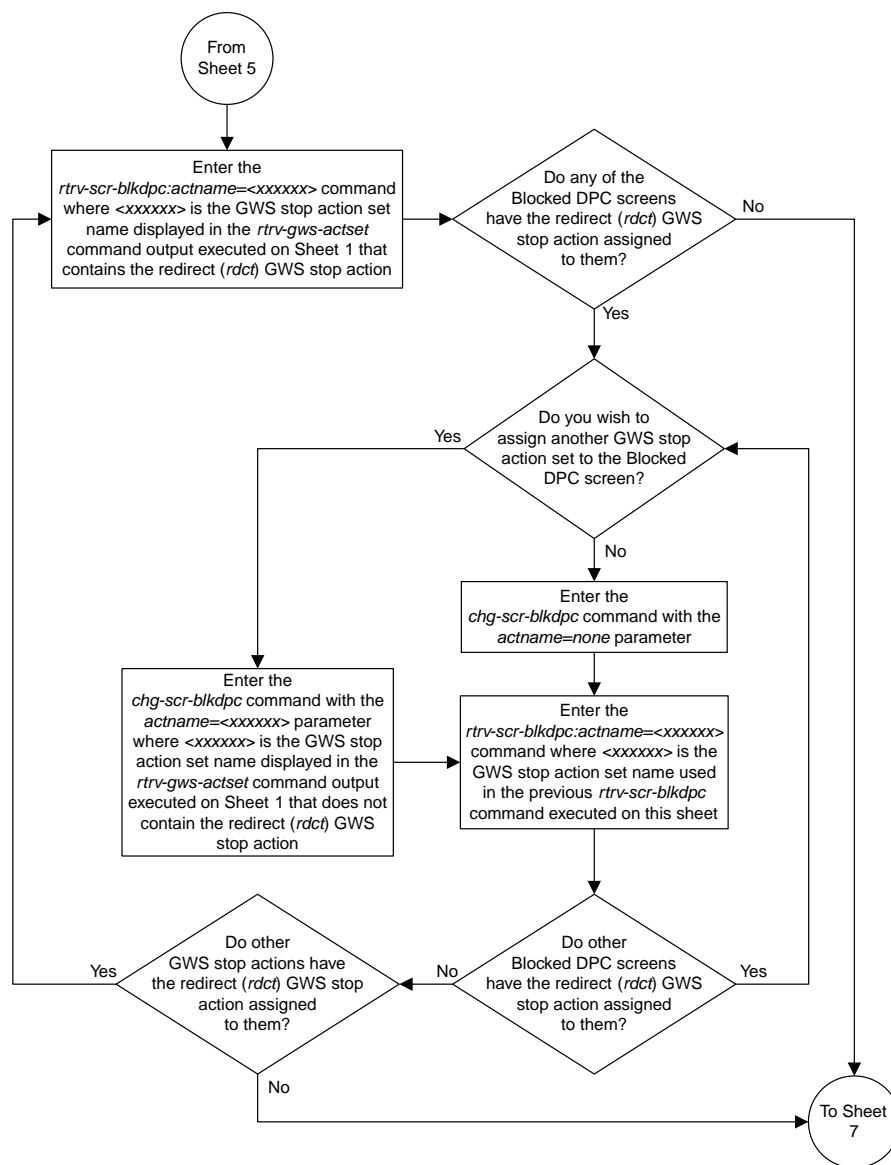


Sheet 4 of 7

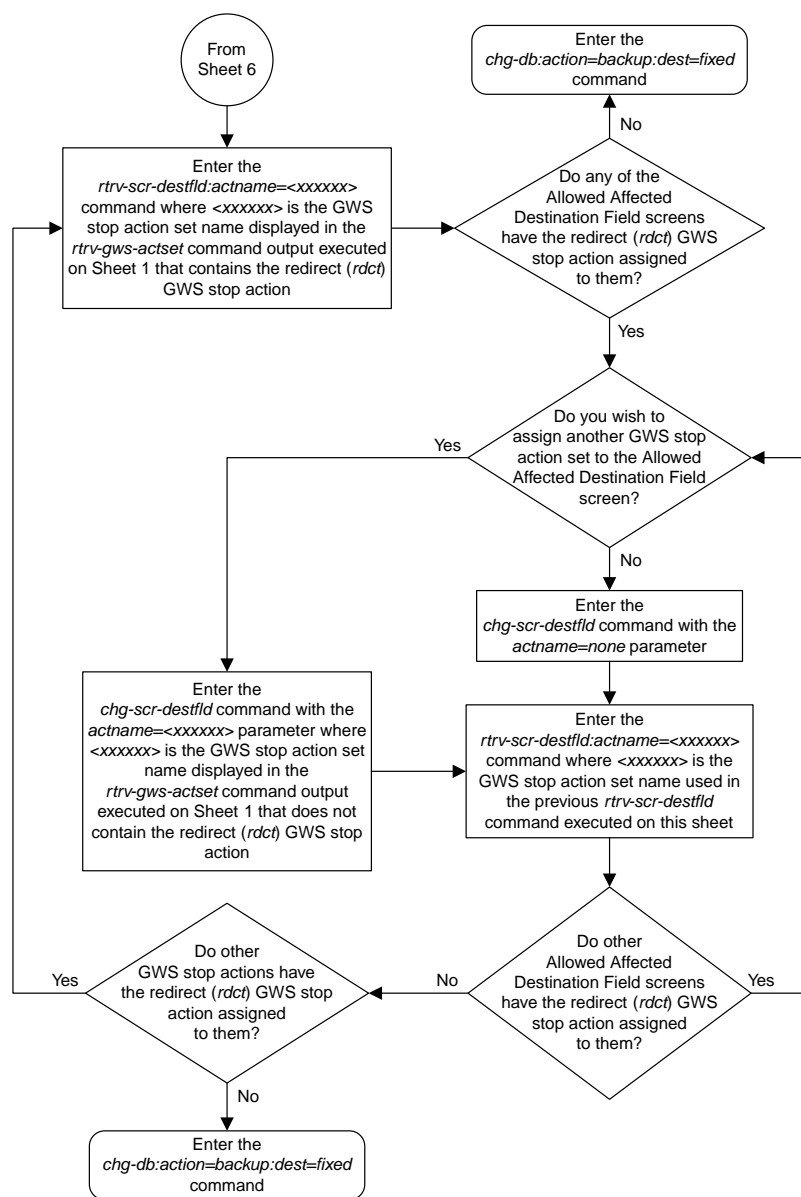




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Sheet 6 of 7



Sheet 7 of 7

# Chapter 4

## GSM MAP Screening Configuration Flowcharts

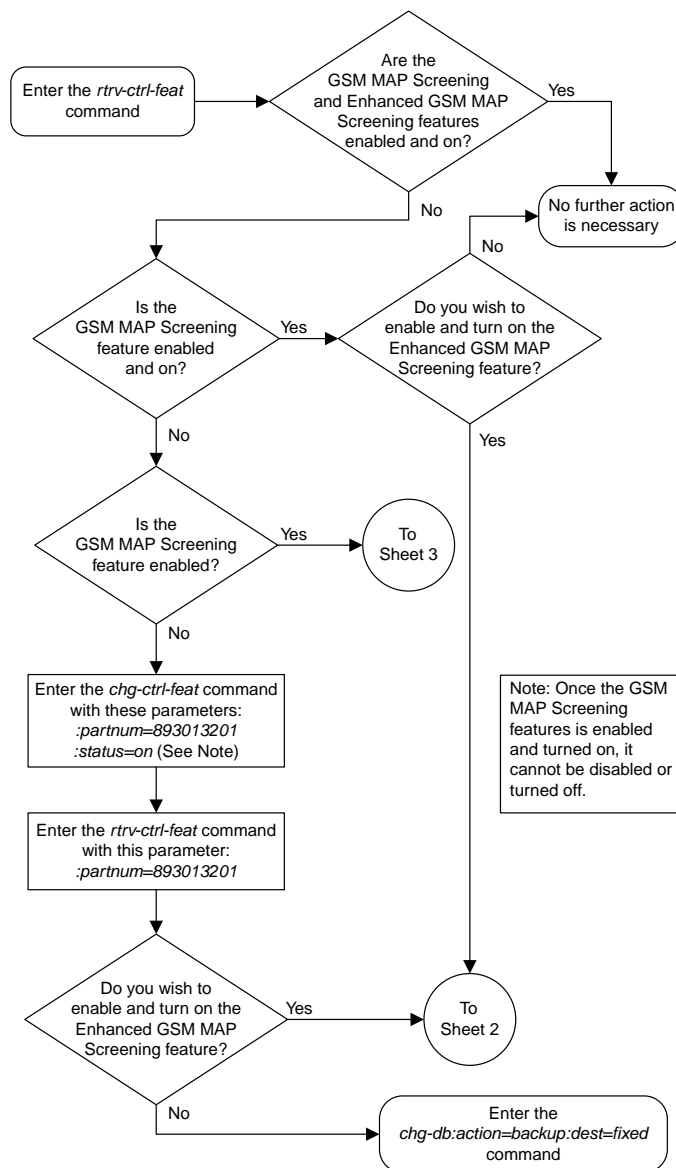
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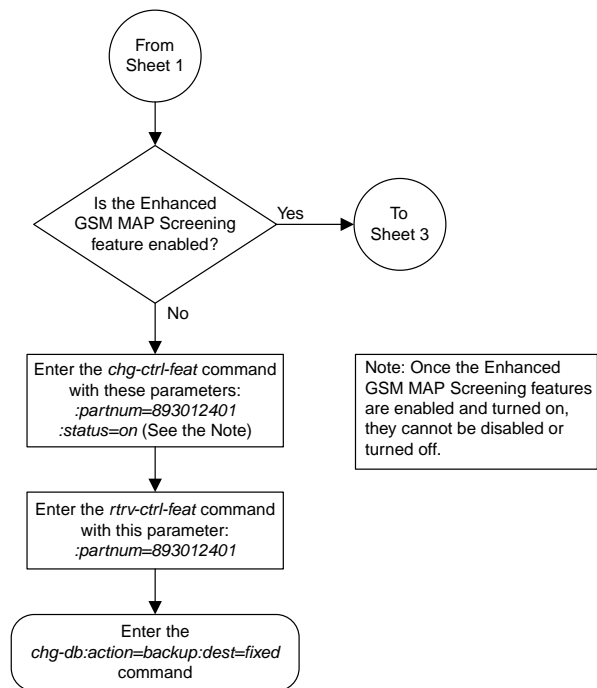
- *Activating the GSM MAP Screening Feature...69*
- *Configuring the MTP MAP Screening Feature.....75*
- *Configuring a Linkset for the GSM MAP Screening Feature.....77*
- *Changing the System-Wide GSM MAP Screening Options.....81*
- *Adding a GSM Subsystem Number Screening Entry.....82*
- *Removing a GSM Subsystem Number Screening Entry.....83*
- *Adding a GSM MAP Screening Operation Code.....84*
- *Removing a GSM MAP Screening Operation Code.....91*
- *Changing a GSM MAP Screening Operation Code.....92*
- *Adding a GSM MAP Screening Entry.....99*
- *Removing a GSM MAP Screening Entry.....107*
- *Changing a GSM MAP Screening Entry.....109*
- *Changing the GSM MAP Screening TCAP Continue and End Message Processing Option.....115*

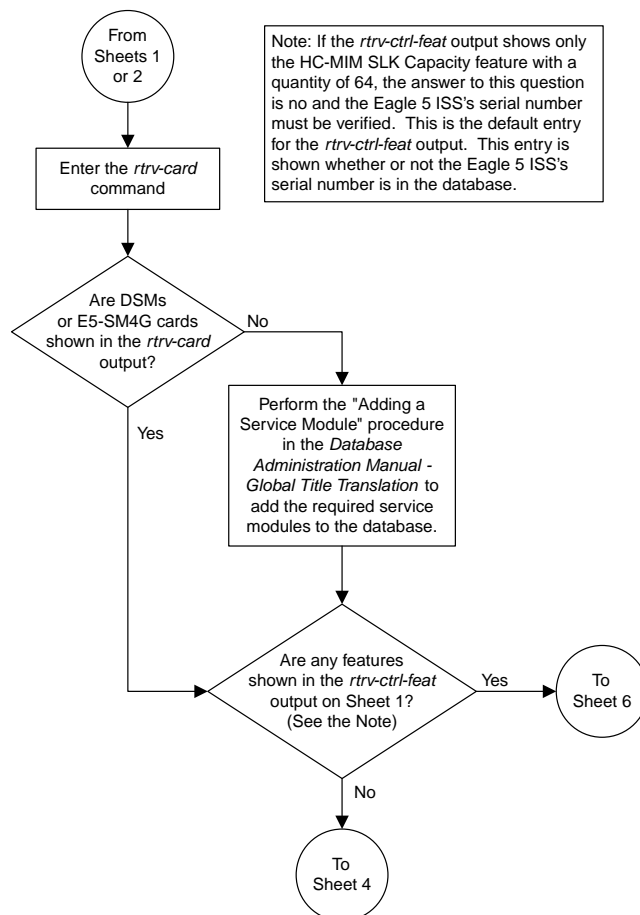
This chapter contains the flowcharts for the GSM MAP Screening configuration procedures located in the *Database Administration Manual - Features*.

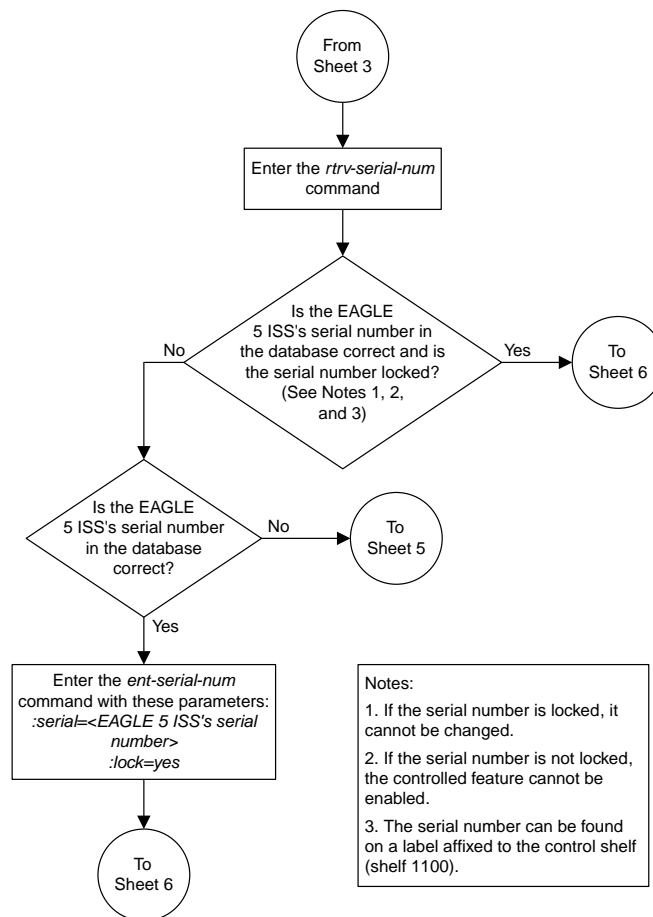
## Activating the GSM MAP Screening Feature



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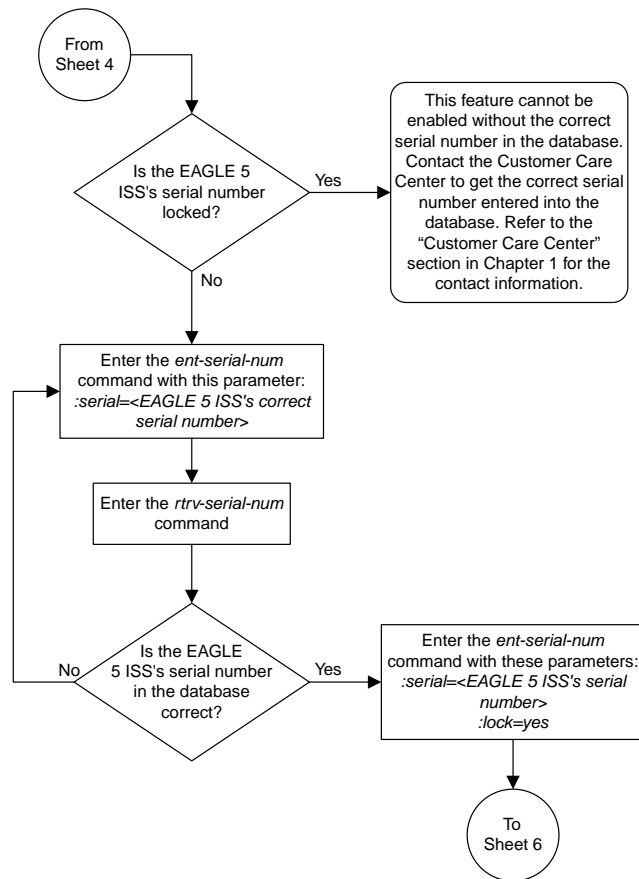




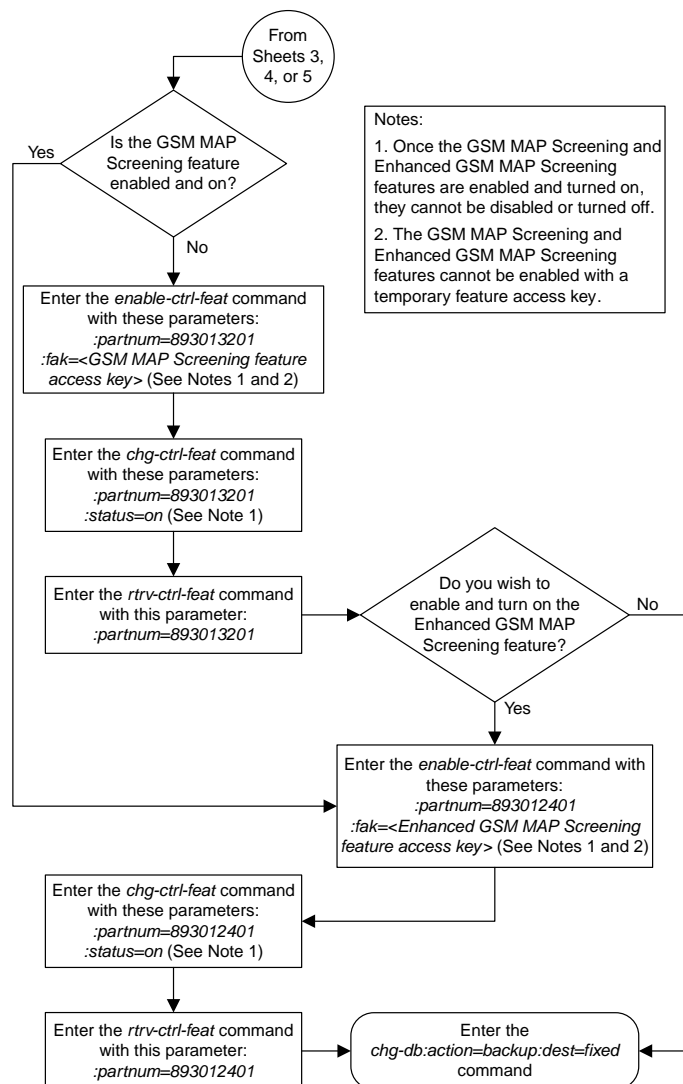


Sheet 4 of 6

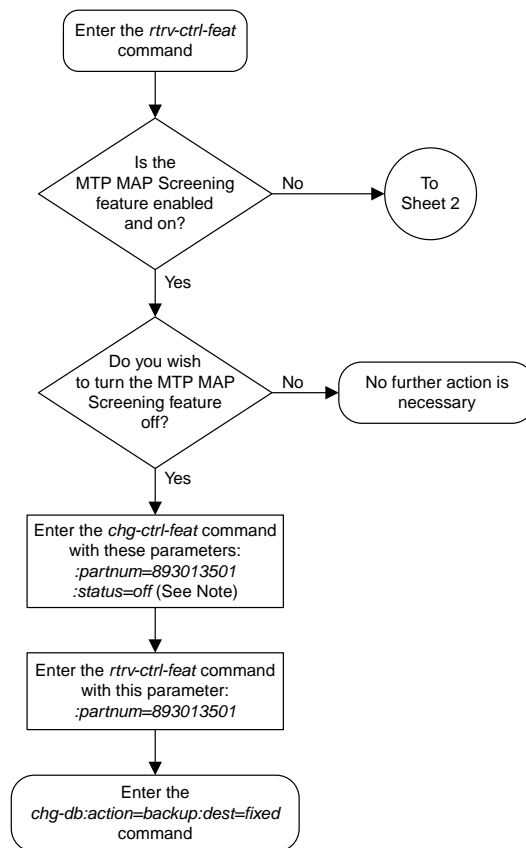


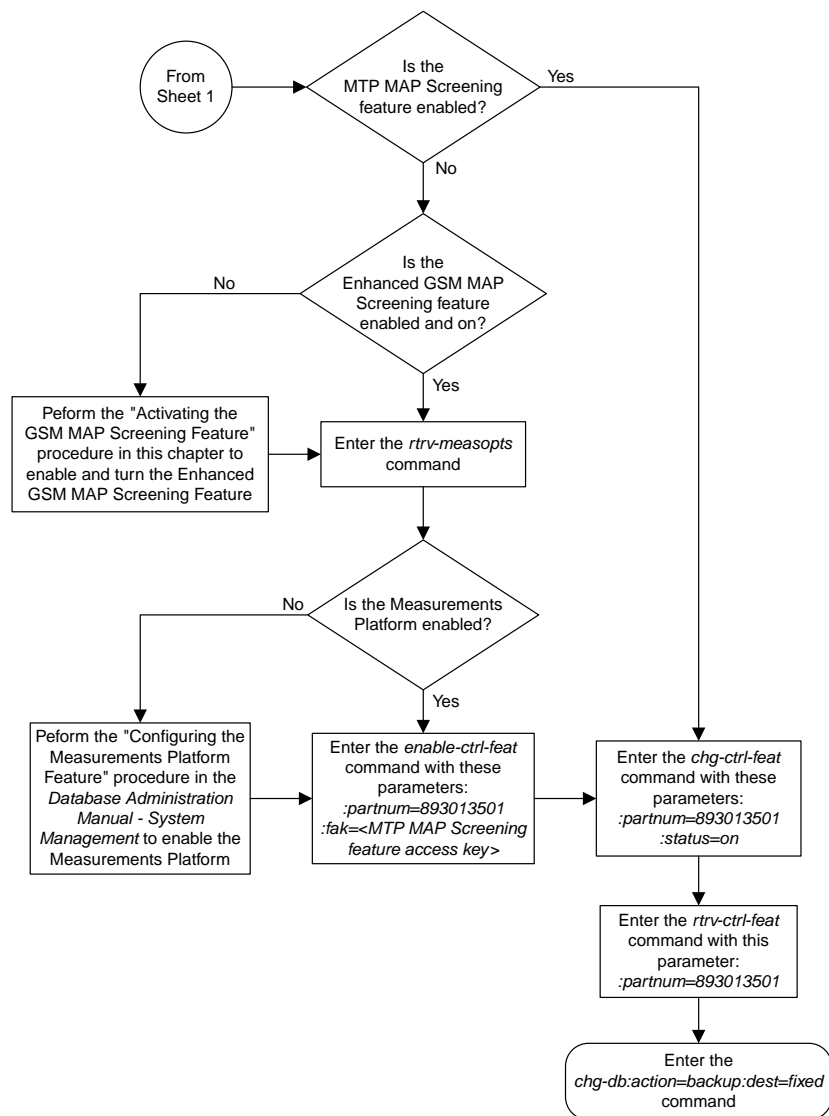


Sheet 5 of 6



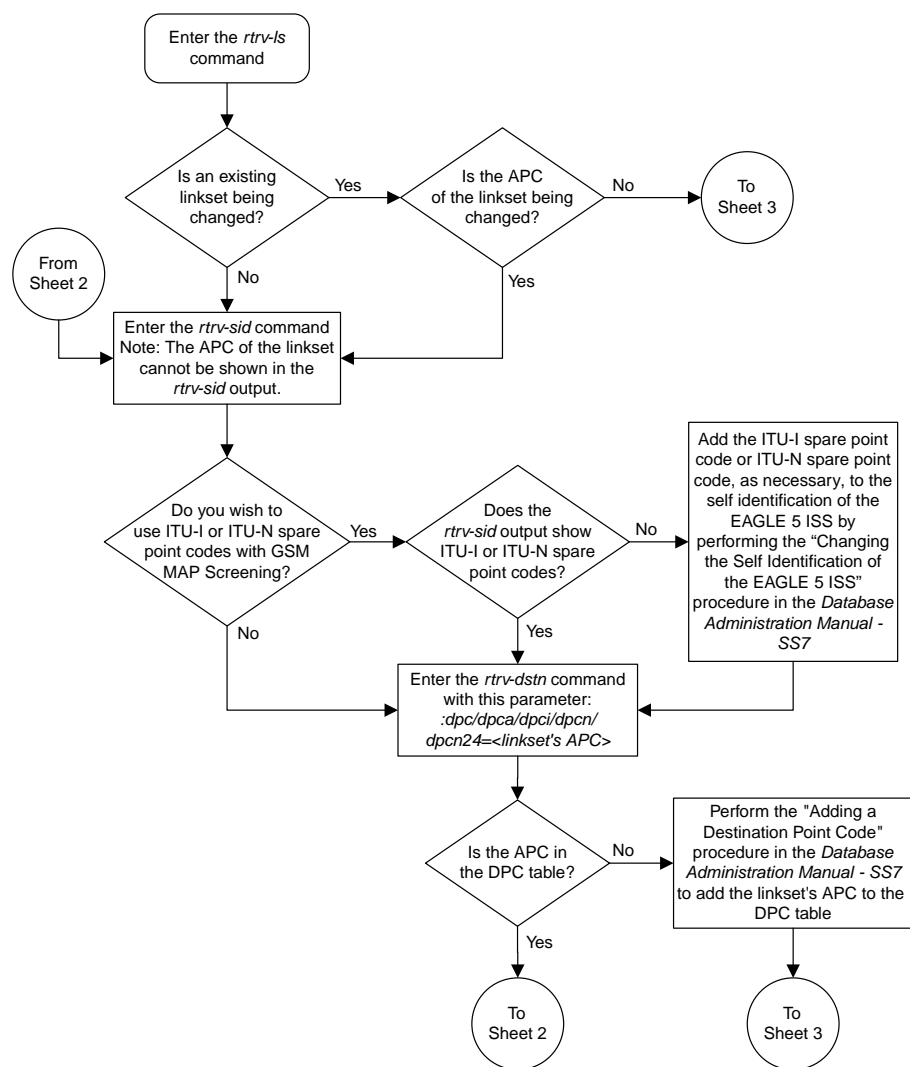
## Configuring the MTP MAP Screening Feature



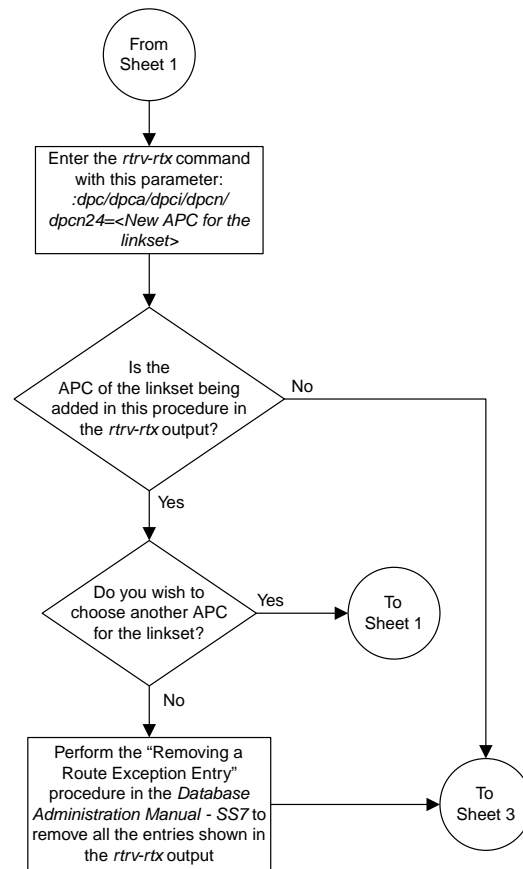


Sheet 2 of 2

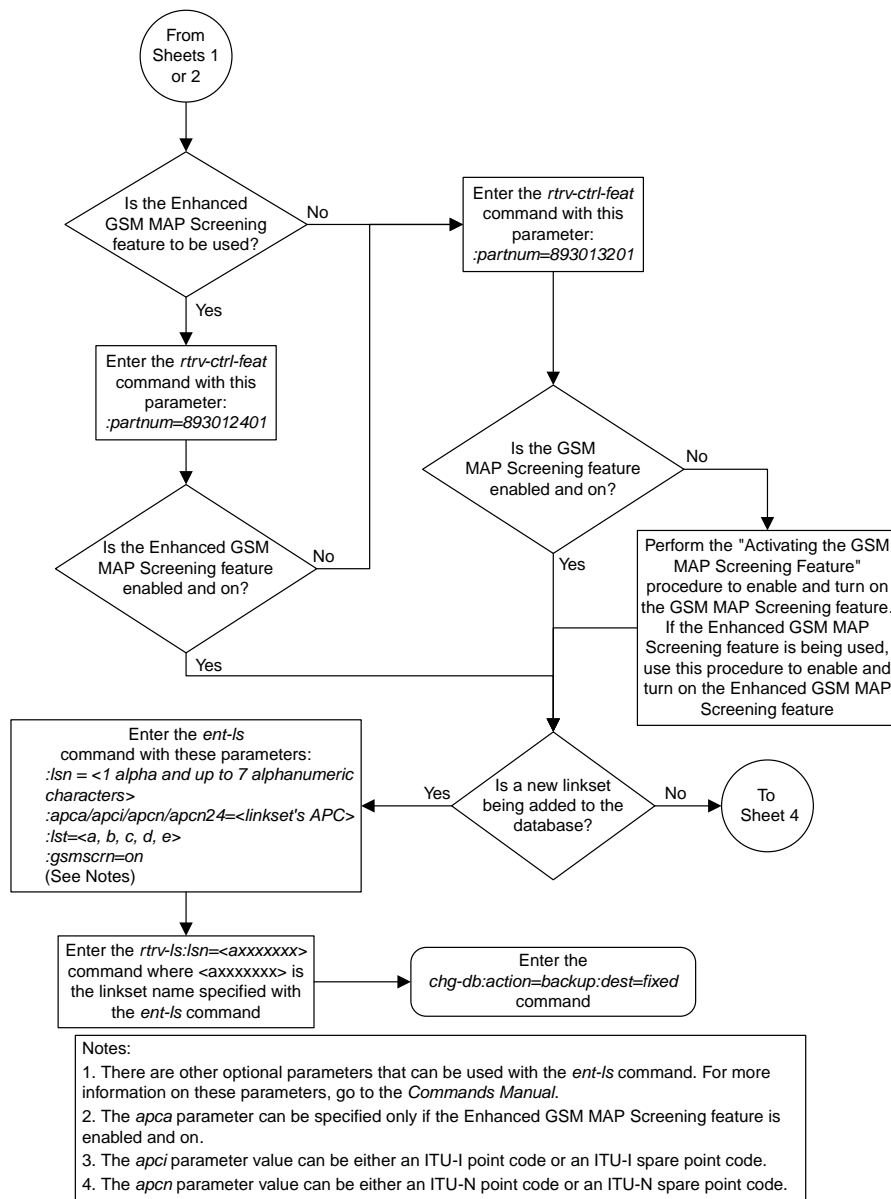
## Configuring a Linkset for the GSM MAP Screening Feature

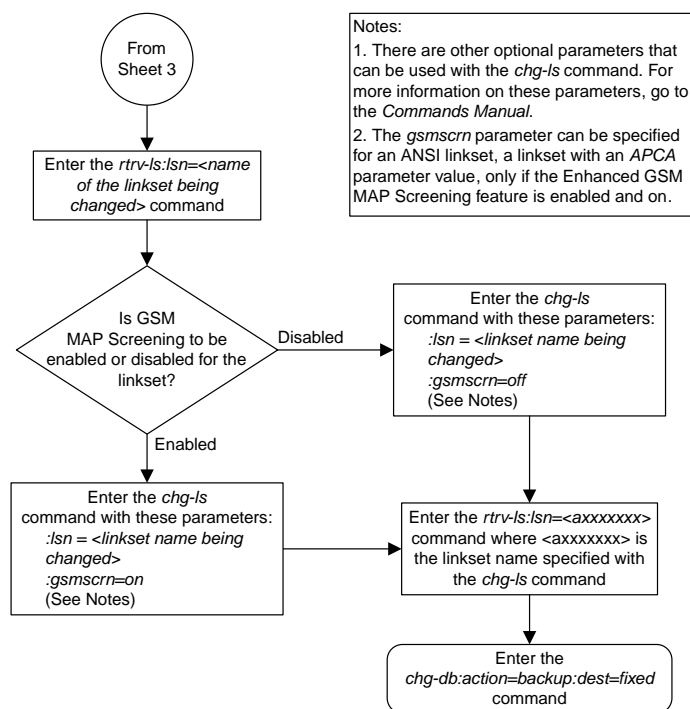


Sheet 1 of 4



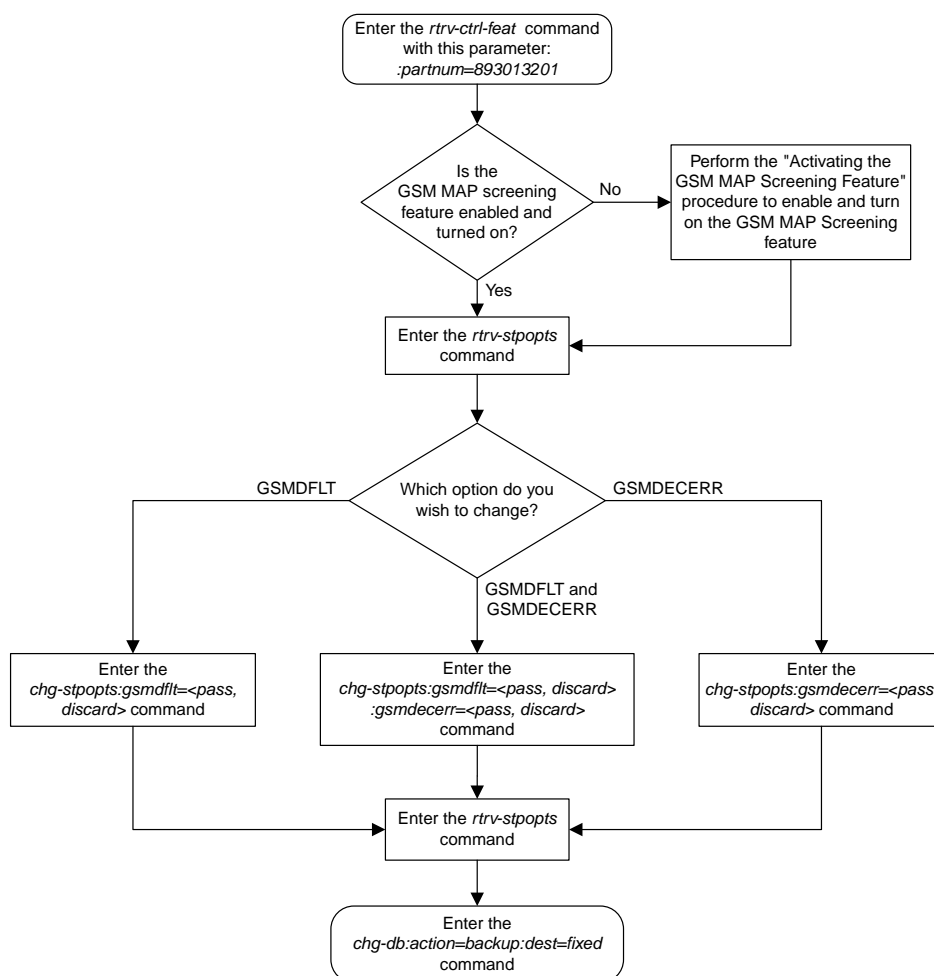
Sheet 2 of 4



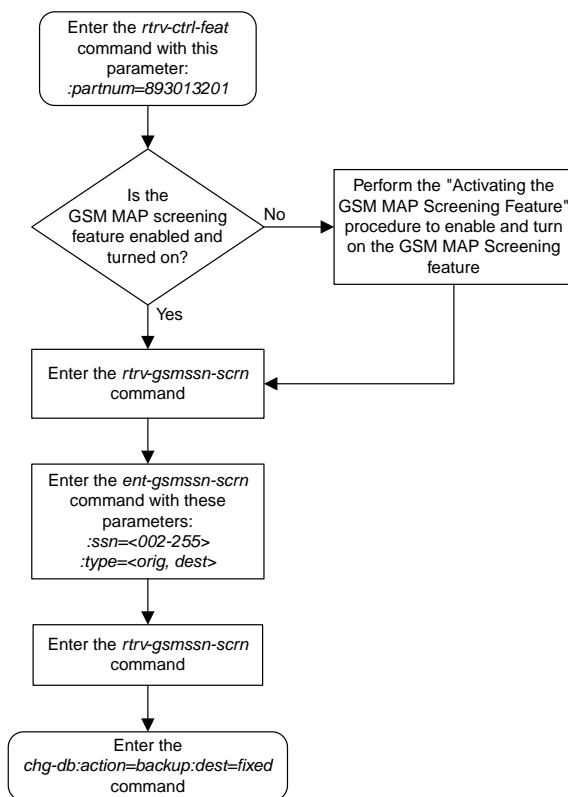




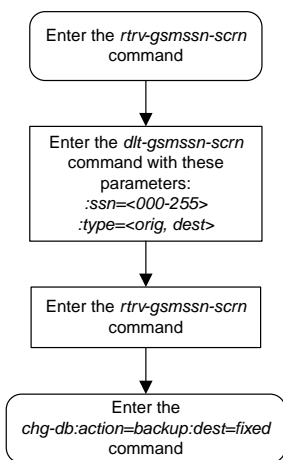
## Changing the System-Wide GSM MAP Screening Options



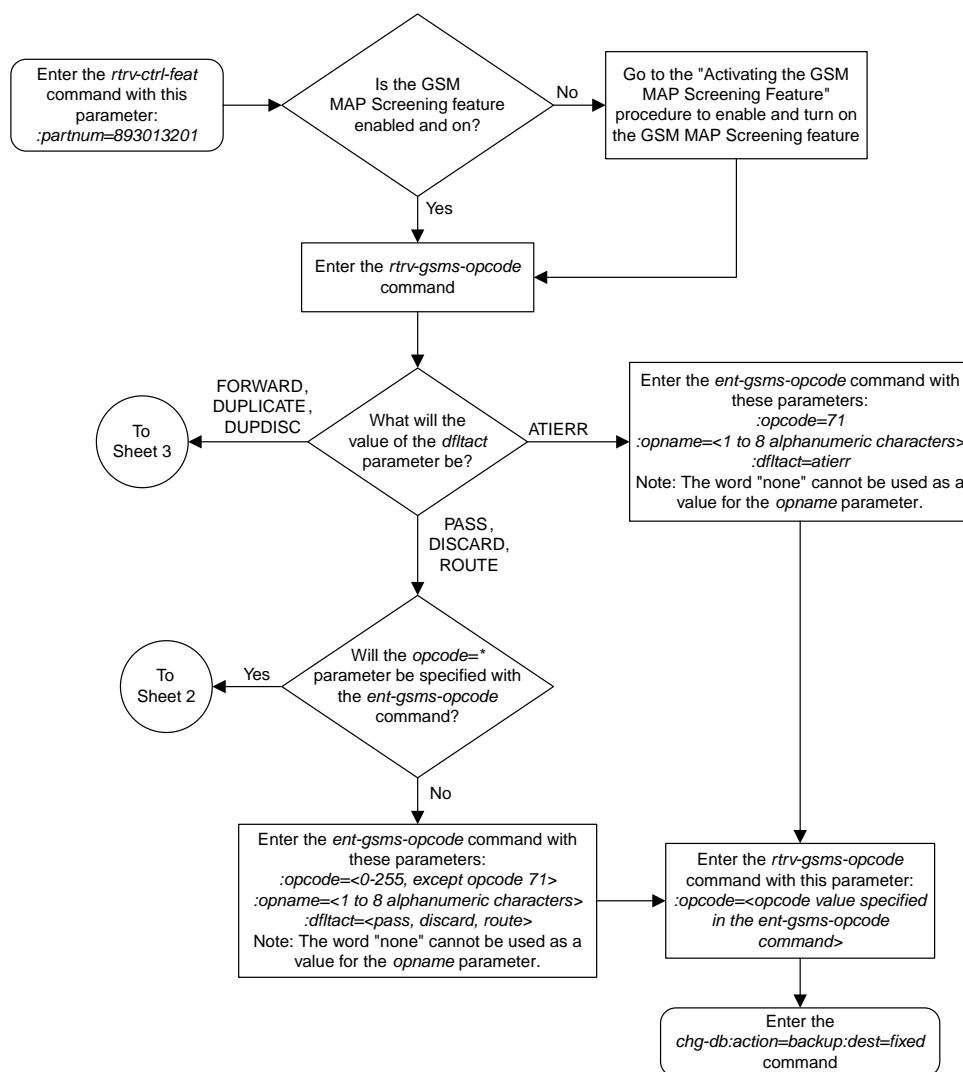
## Adding a GSM Subsystem Number Screening Entry

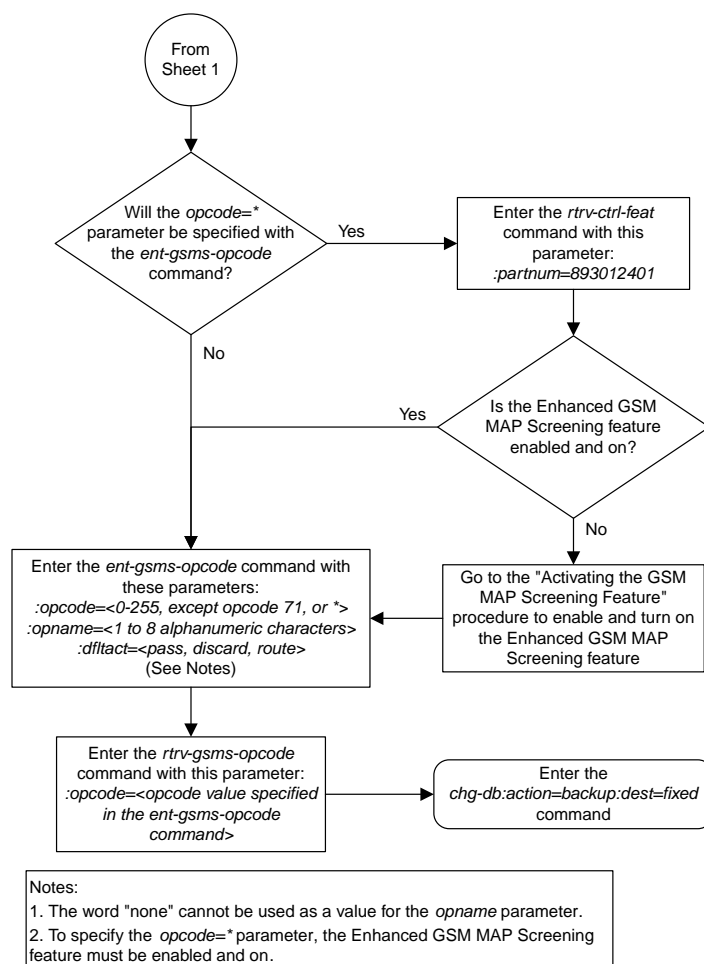


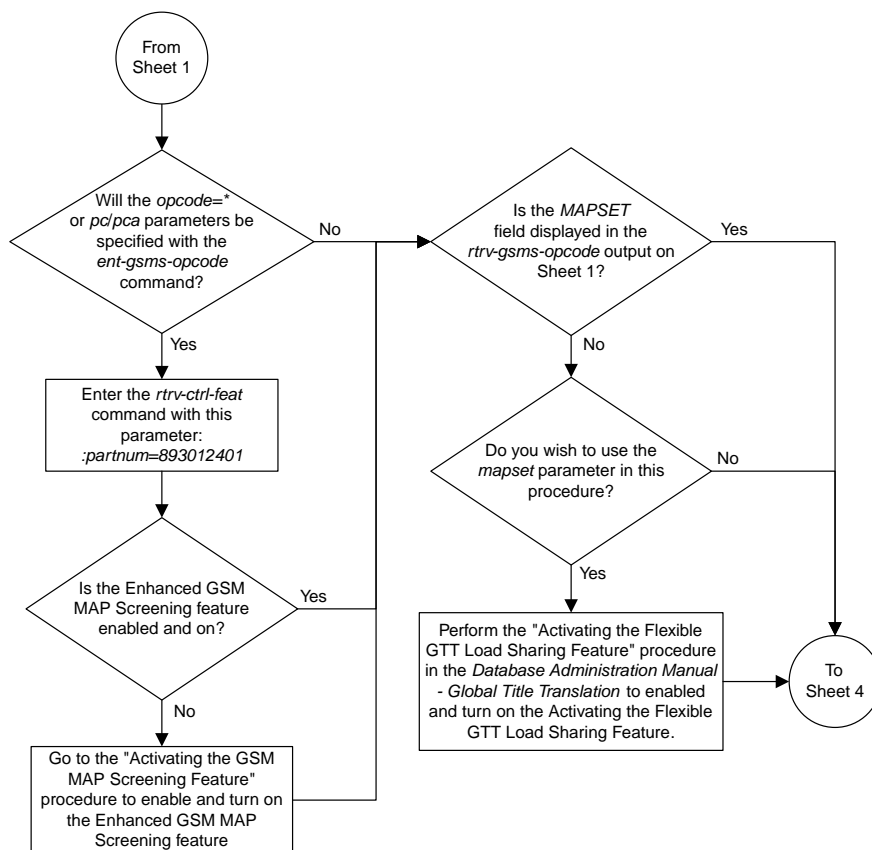
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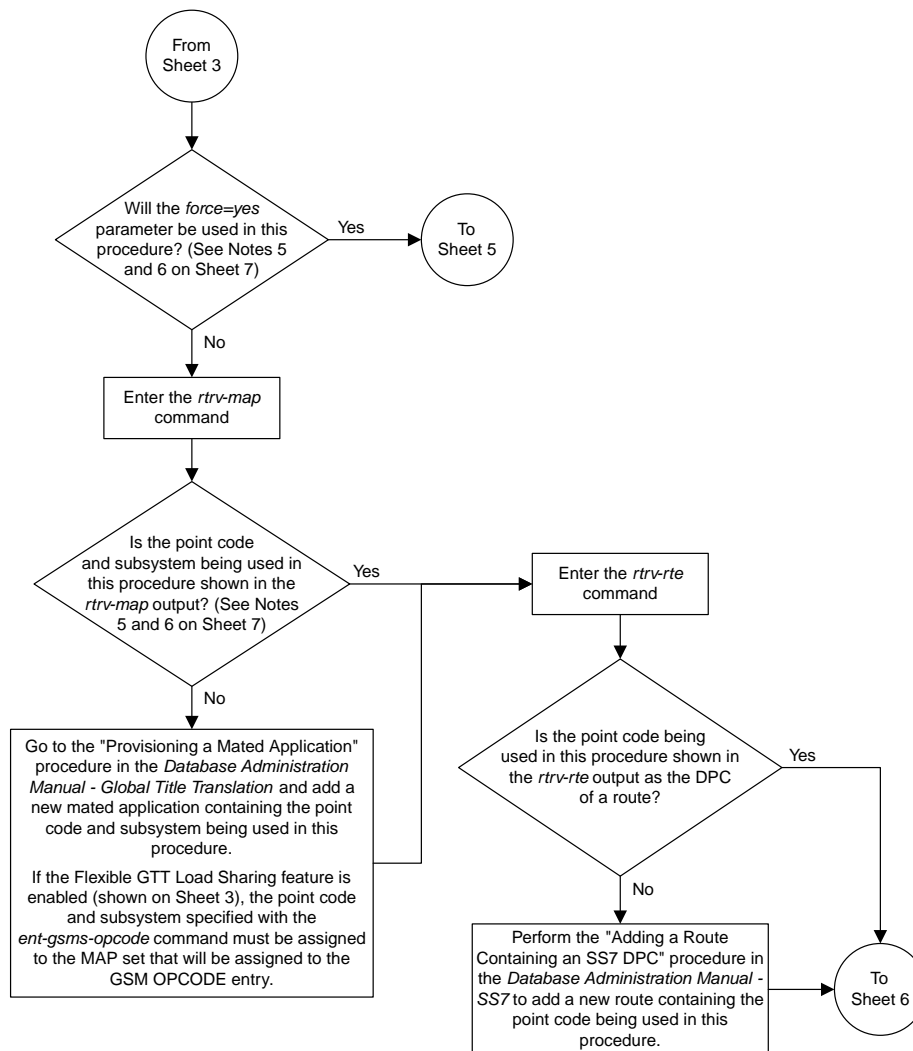


## Adding a GSM MAP Screening Operation Code

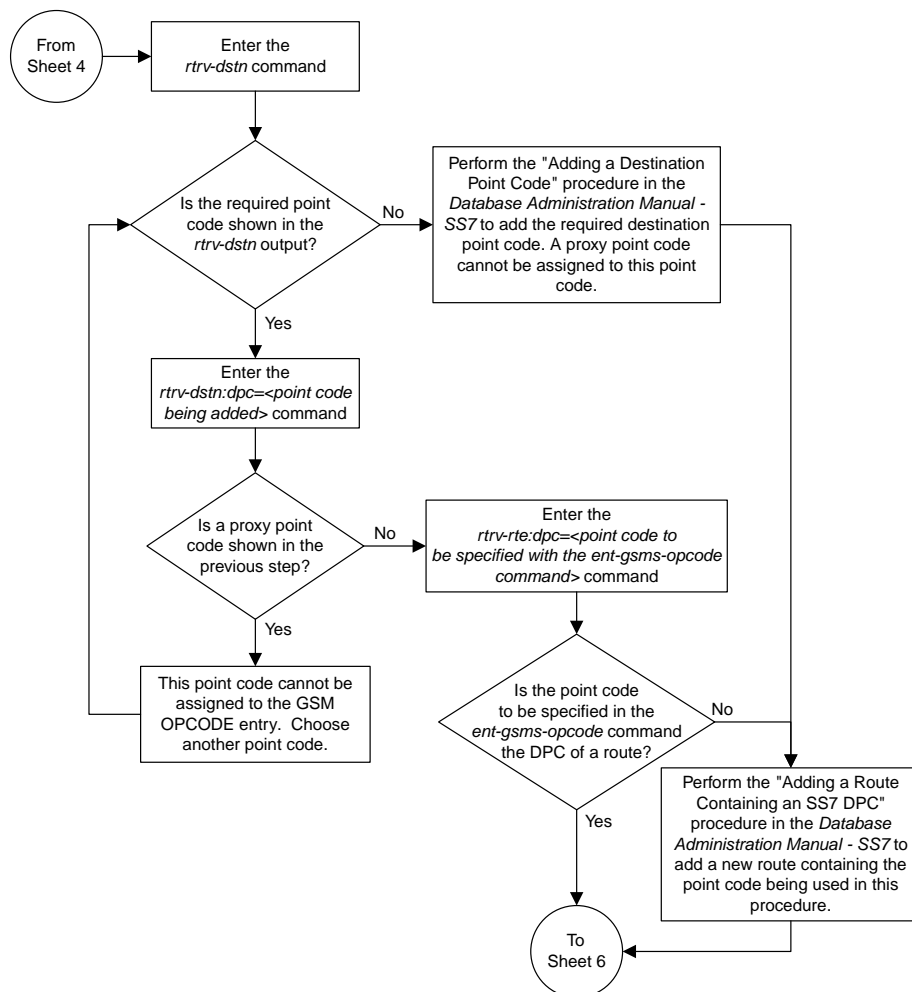




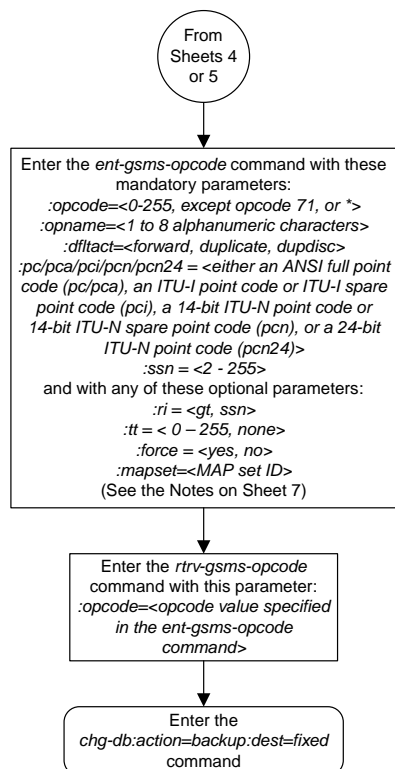




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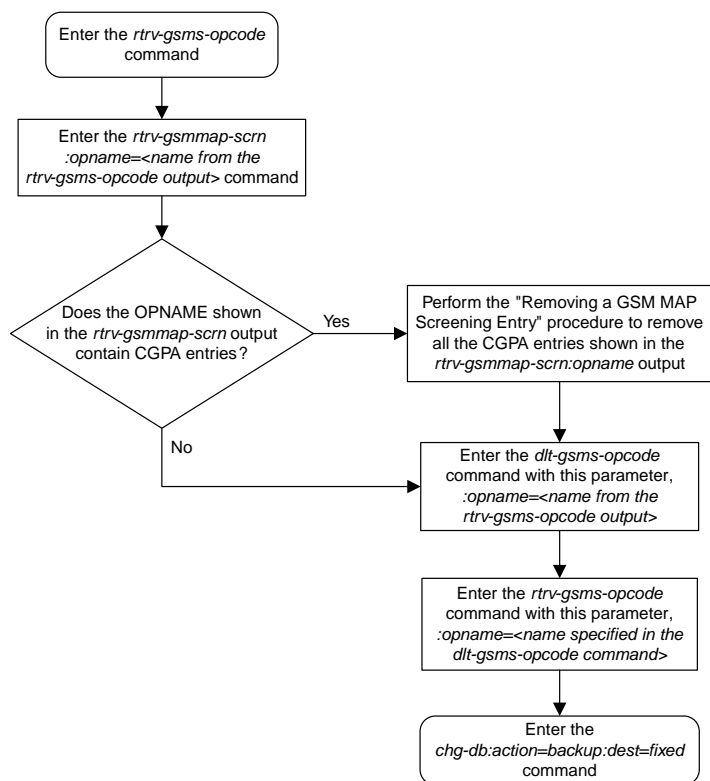




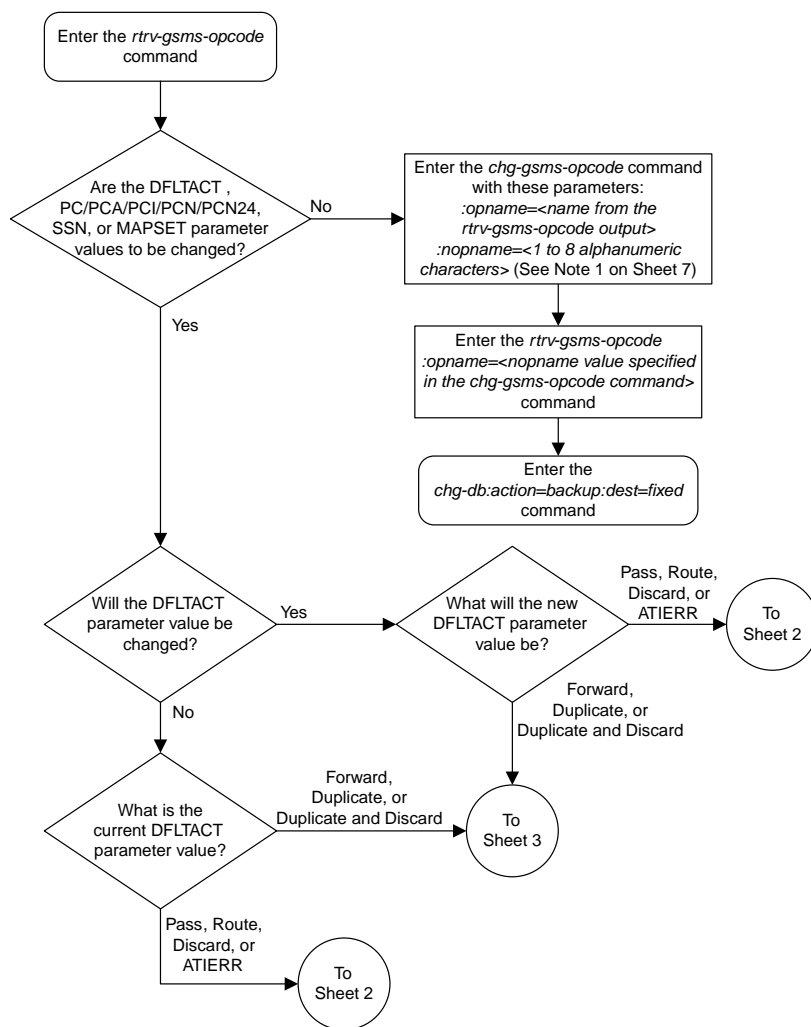
## Notes:

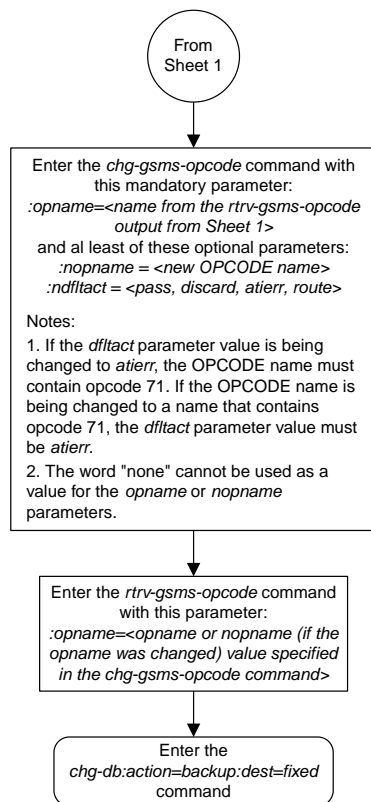
1. The word "none" cannot be used as a value for the *opname* parameter.
2. The *pc/pca/pci/pcn/pcn24* value must be shown in the *rtrv-rte* output on Sheets 4 or 5 as the DPC of a route. The *pc/pca* value must be a full point code value. The *pc/pca* value can be a member of a cluster point code when that cluster point code is the DPC of a route. A proxy point code cannot be assigned to the point code.
3. The EAGLE 5 ISS can contain 14-bit ITU-N point codes or 24-bit ITU-N point codes, but not both.
4. To specify the *opcode=\* or pc/pca* parameters, the Enhanced GSM MAP Screening feature must be enabled and on.
5. If the Flexible GTT Load Sharing feature is not enabled, shown on Sheet 3:
  - The *mapset* parameter cannot be used.
  - The *pc/pca/pci/pcn/pcn24* and *ssn* values must be shown in the *rtrv-map* output on Sheet 4, otherwise, the *force=yes* parameter must be specified.
6. If the Flexible GTT Load Sharing feature is enabled, shown on Sheet 3:
  - The *mapset* parameter must be used.
  - The *force=yes* parameter can be used only if the MAP set assigned to the GSM OPCODE entry is the default MAP set.
  - If the MAP set assigned to the GSM OPCODE entry is a MAP set other than the default MAP set, the *force=yes* parameter cannot be used. The point code and subsystem contained in the GSM OPCODE entry must be in the MAP set assigned to the GSM OPCODE entry.
  - If the default MAP set is assigned to the GSM OPCODE entry and the *force=yes* parameter is not specified, the point code and subsystem contained in the GSM OPCODE entry must be in the default MAP set.
7. If the *ri* or *tt* parameters are not specified, the default values for these parameters are assigned to the GSM OPCODE entry. The default values for these parameters are:
  - ri* – *ssn*
  - tt* – no value is specified. A dash is shown in the *TT* column of the *rtrv-gsms-opcode* output.
8. If the *ri=ssn* parameter is specified, a numerical value must be specified for the *ssn* parameter.

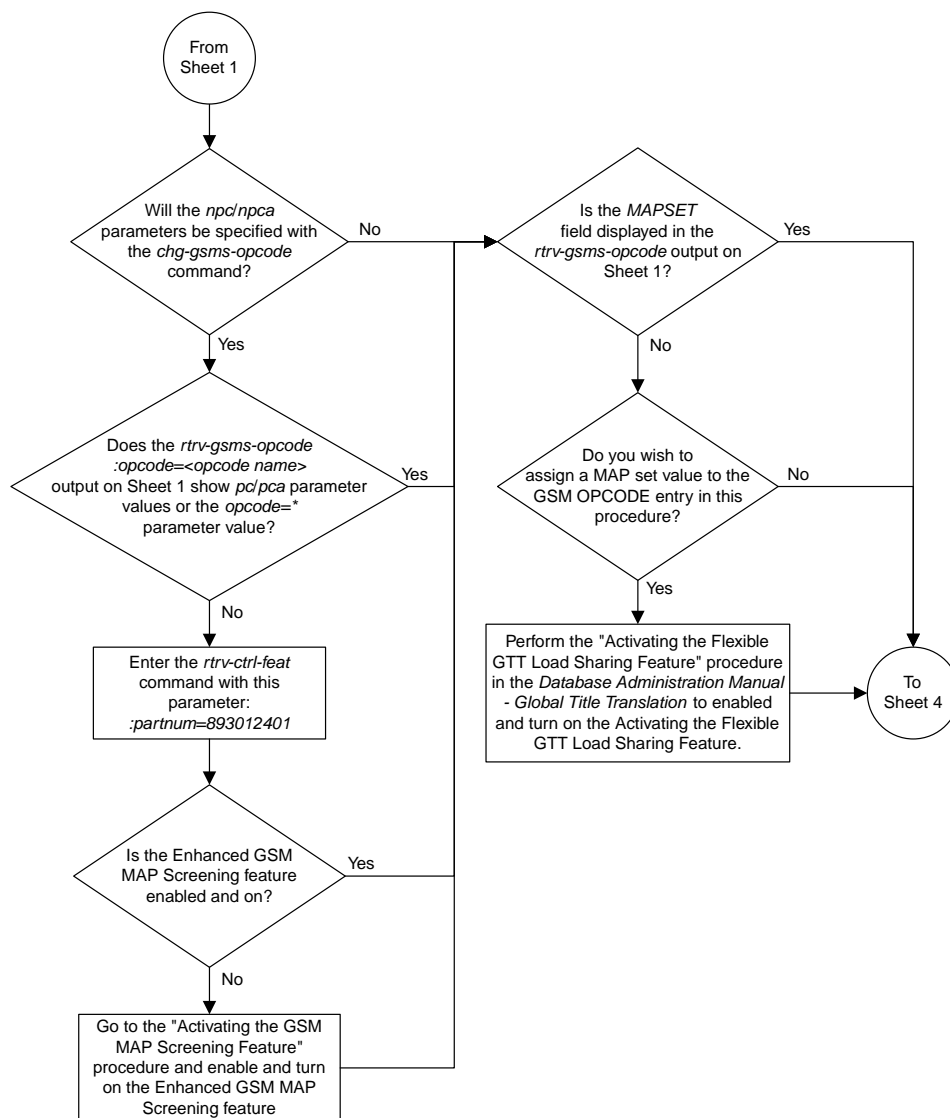
## Removing a GSM MAP Screening Operation Code

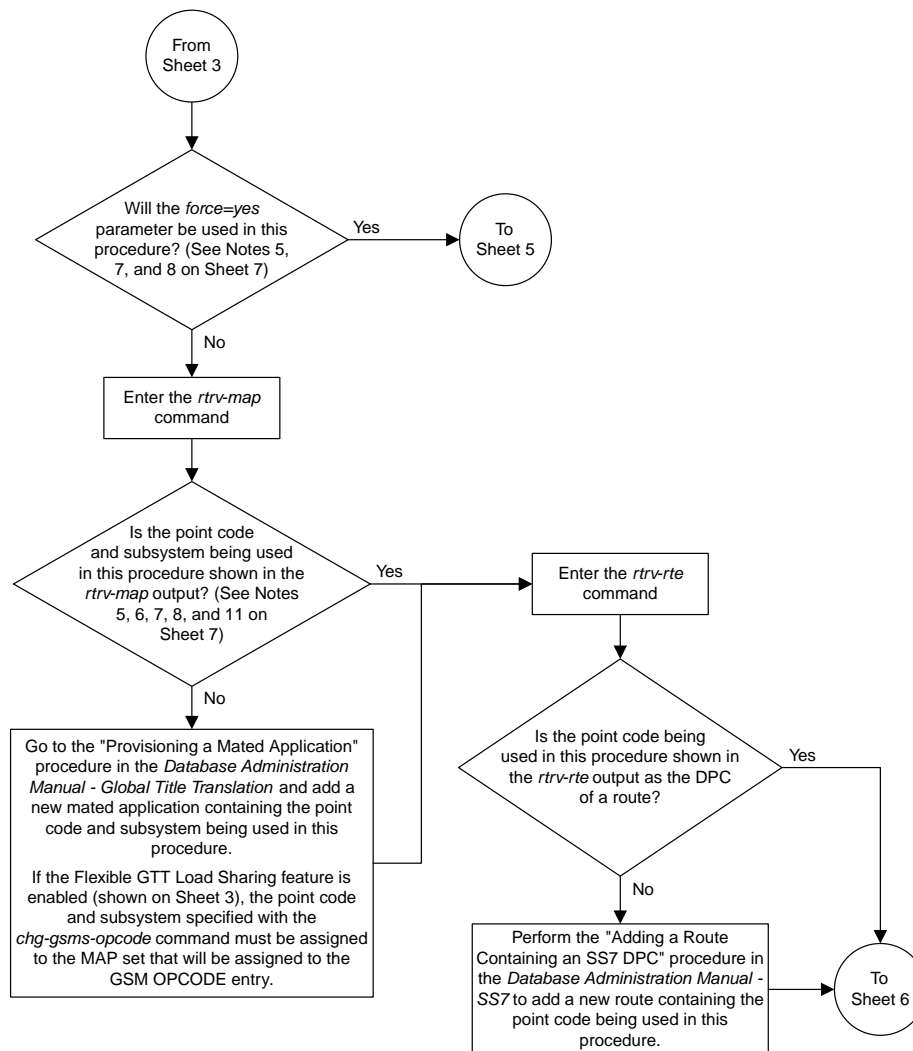


## Changing a GSM MAP Screening Operation Code

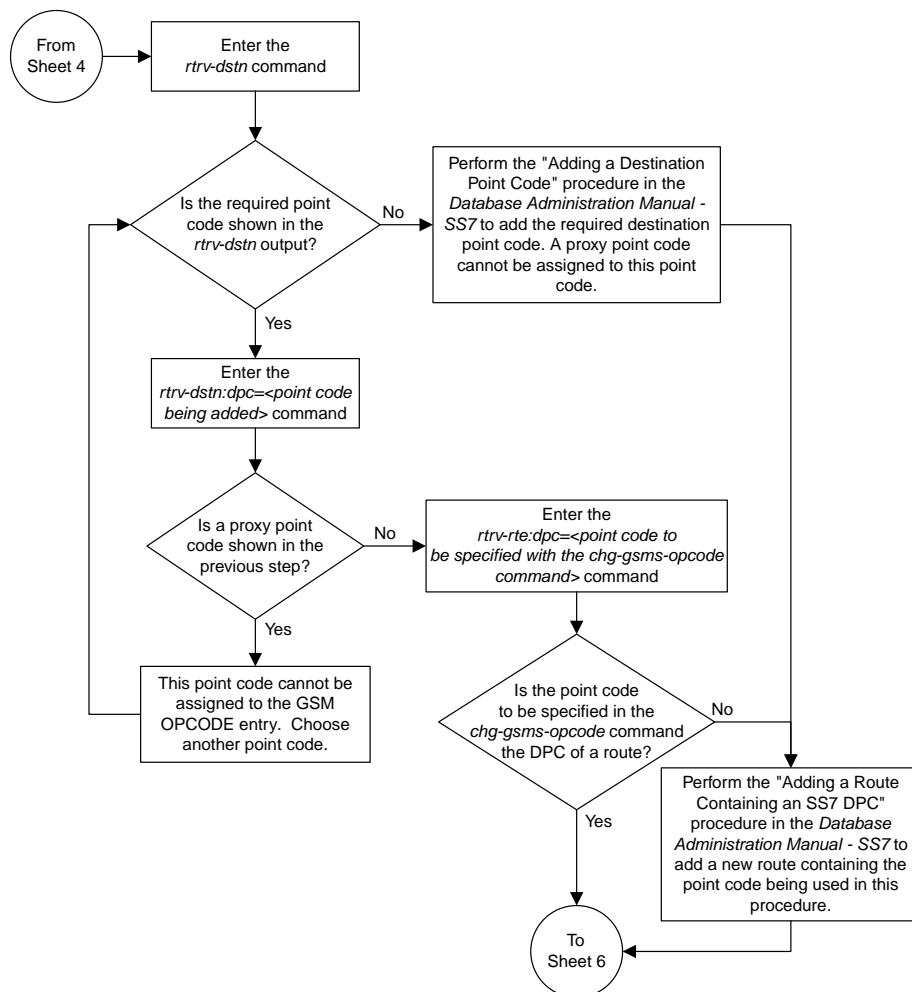






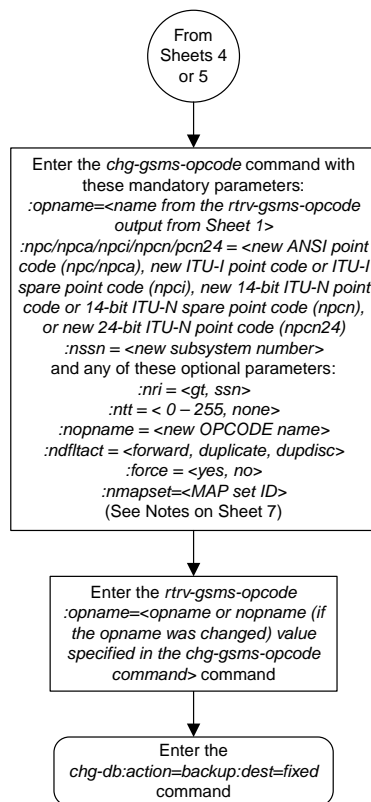


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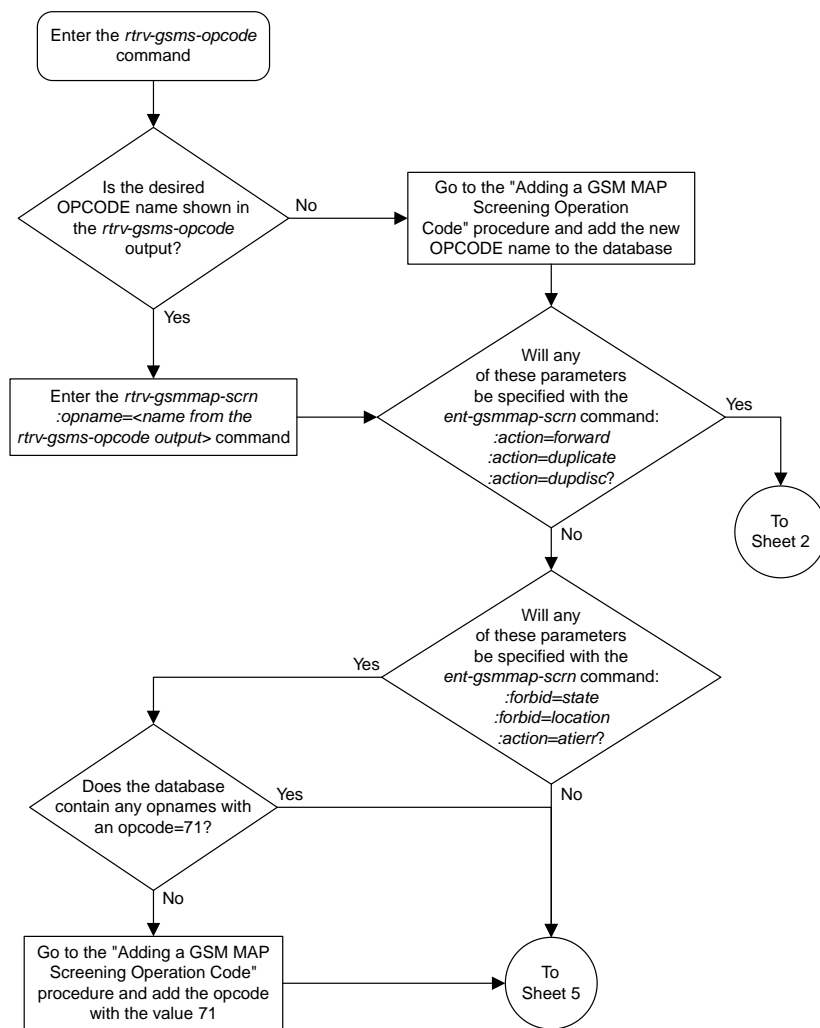


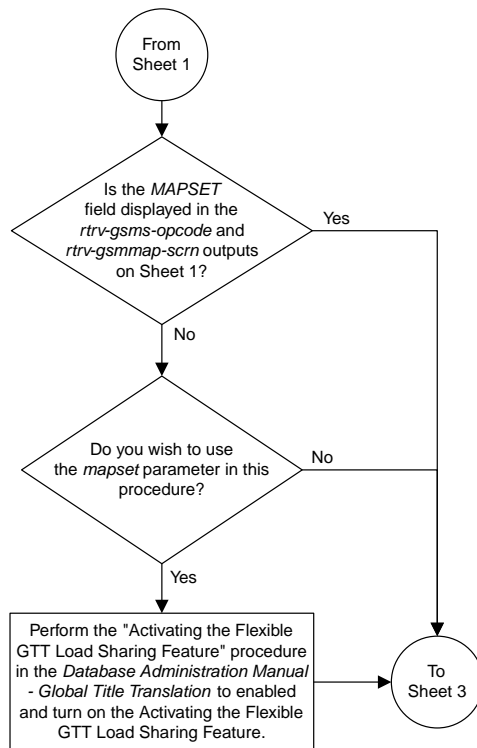


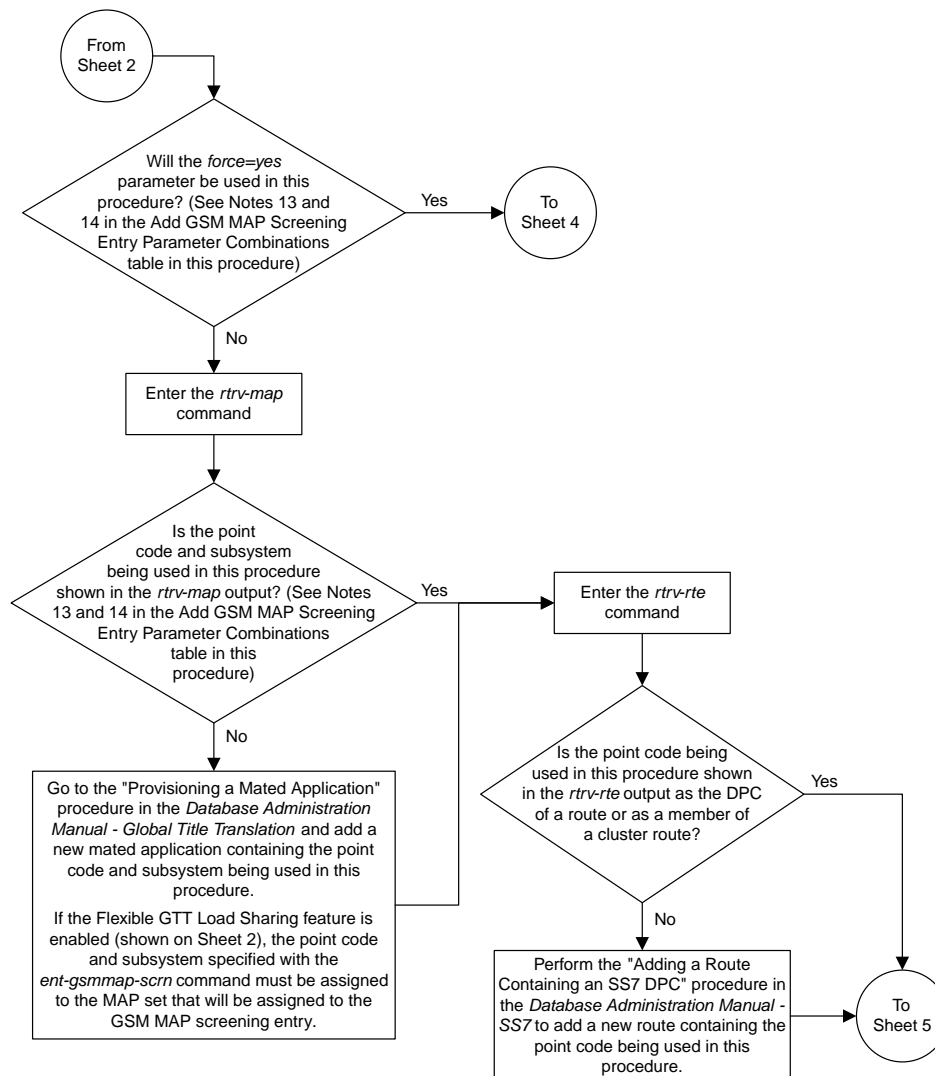
## Notes:

1. The word "none" cannot be used as a value for the *opname* or *nopname* parameters.
2. The EAGLE 5 ISS can contain 14-bit ITU-N point codes or 24-bit ITU-N point codes, but not both.
3. If the point code and subsystem number values are not being changed, the *npc/npcal/npci/npcn/npcn24* and *nssn* parameters must be specified with the current values for these parameters.
4. The *npc/npcal/npci/npcn/npcn24* value must be shown in the *rtrv-rte* output on Sheets 4 or 5 as the DPC of a route. The *npc/npca* value must be a full point code value. The *npc/npca* value can be a member of a cluster point code when that cluster point code is the DPC of a route. A proxy point code cannot be assigned to the point code.
5. If the Flexible GTT Load Sharing feature is not enabled, shown on Sheet 3, the *npc/npcal/npci/npcn/npcn24* and *nssn* values must be shown in the *rtrv-map* output on Sheet 4. If the *npc/npcal/npci/npcn/npcn24* or *nssn* values are not shown in the *rtrv-map* output, the *force=yes* parameter must be specified.
6. If the Flexible GTT Load Sharing feature is enabled, shown on Sheet 3, and the current *dflttact* parameter value is either *pass*, *route*, *discard*, or *atierr*, and the *dflttact* parameter value is changed to either *forward*, *duplicate*, or *dupdisc*, the GSM OPCODE entry must be assigned to a MAP set with the *nmapset=dfltt* parameter (to assign the GSM OPCODE entry to the default MAP set), or with the *nmapset=<numbered MAP set ID>* parameter (to assign the GSM OPCODE entry to a MAP set other than the default MAP set).
7. If the Flexible GTT Load Sharing feature is enabled, shown on Sheet 3, and the default MAP set will be assigned to the GSM OPCODE entry, the *npc/npcal/npci/npcn/npcn24* and *nssn* values must be shown in the default MAP set in the *rtrv-map* output on Sheet 4. If the *npc/npcal/npci/npcn/npcn24* or *nssn* values are not shown in the default MAP set in the *rtrv-map* output, the *force=yes* parameter must be specified.
8. If the Flexible GTT Load Sharing feature is enabled, shown on Sheet 3, and a MAP set other than the default MAP set will be assigned to the GSM OPCODE entry, the *npc/npcal/npci/npcn/npcn24* and *nssn* values must be shown in that MAP set in the *rtrv-map* output on Sheet 4.
9. To specify the *npc/npca* parameters, the Enhanced GSM MAP Screening feature must be enabled and turned on.
10. If only the point code or subsystem number value is being changed, the point code or subsystem number value being changed must be specified with the new value for the parameter being changed. The current value for the point code or subsystem number parameter not being changed must be specified. The *ndflttact* parameter does not have to be specified. For example, if the current point code is *pca=002-002-002* and the subsystem number is 50, and the point code is being changed to *pca=003-003-003* and the subsystem number is not changing, the *npca* parameter value would be the new point code value (003-003-003) and the *nssn* parameter value would be the current value (50).
11. If the Flexible GTT Load Sharing feature is enabled, shown on Sheet 3, and the point code and subsystem values are not being changed, the *nmapset* parameter does not have to be specified unless the MAP set ID assigned to the GSM OPCODE entry is being changed. The new MAP set must contain the point code and subsystem values in the GSM OPCODE entry.
12. If an optional parameter is not specified, the value for that parameter is not changed.
13. The value *none* for the *tt* parameter removes the existing *tt* parameter value that is assigned to the GSM OPCODE entry. A dash is shown in the *TT* column of the *rtrv-gsms-opcode* output when the *tt* value is removed.
14. If, when the *chg-gsms-opcode* command is completed, the *ri* parameter value is *ssn*, then a numerical value must be assigned to the *ssn* parameter.

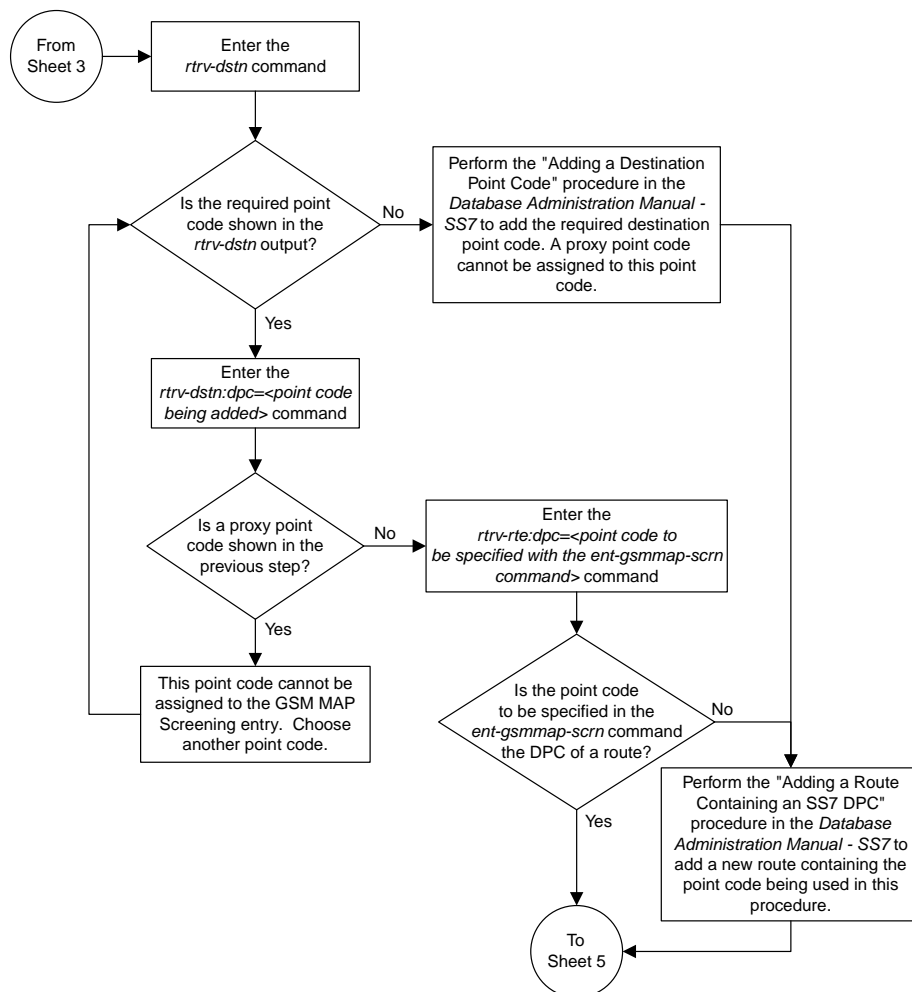
## Adding a GSM MAP Screening Entry



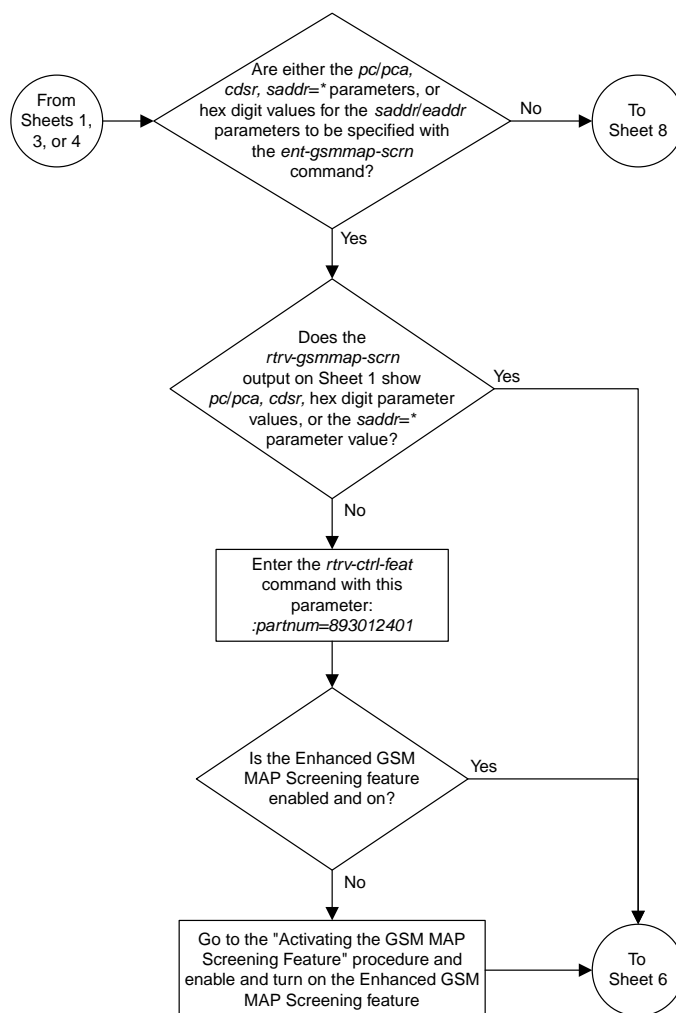


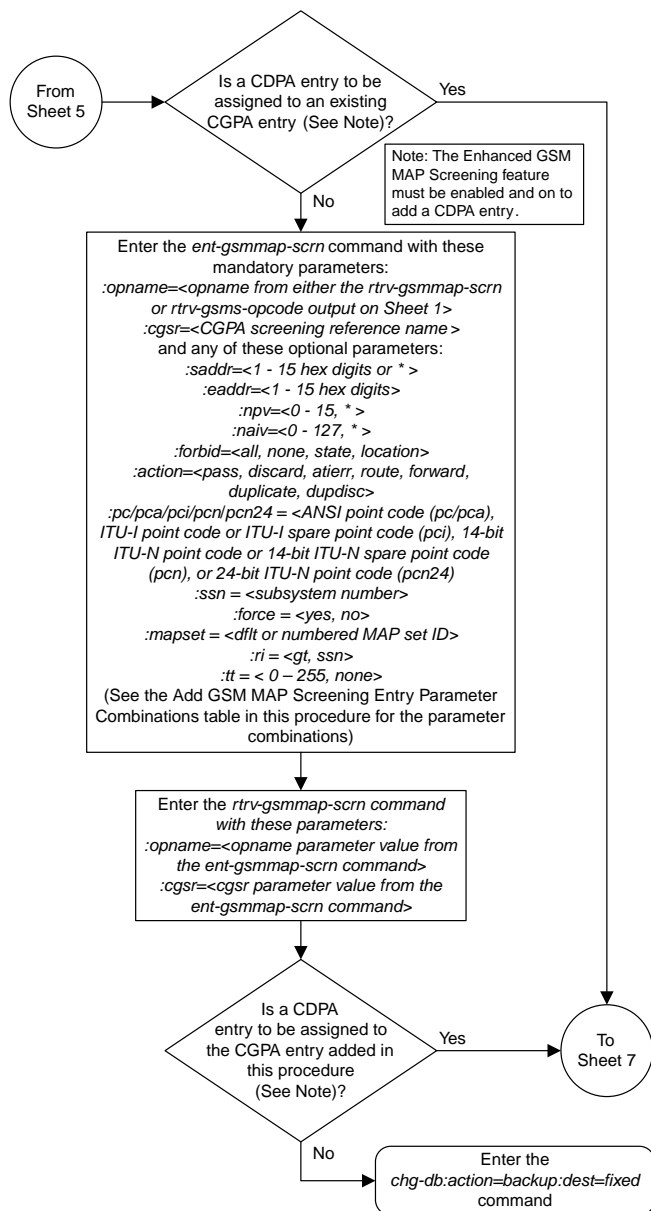


Sheet 3 of 8

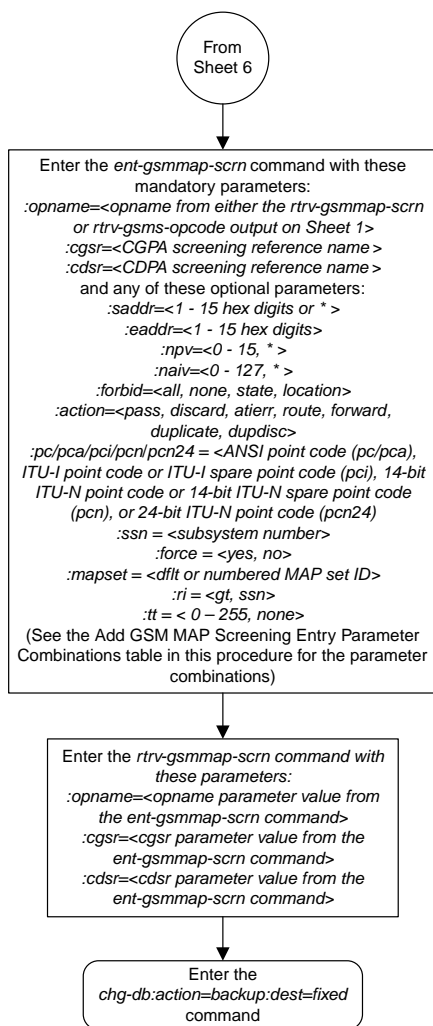


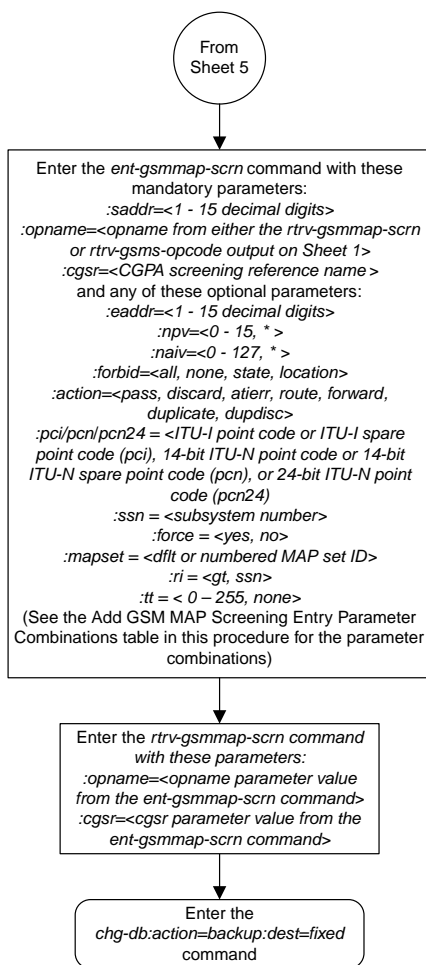
Sheet 4 of 8



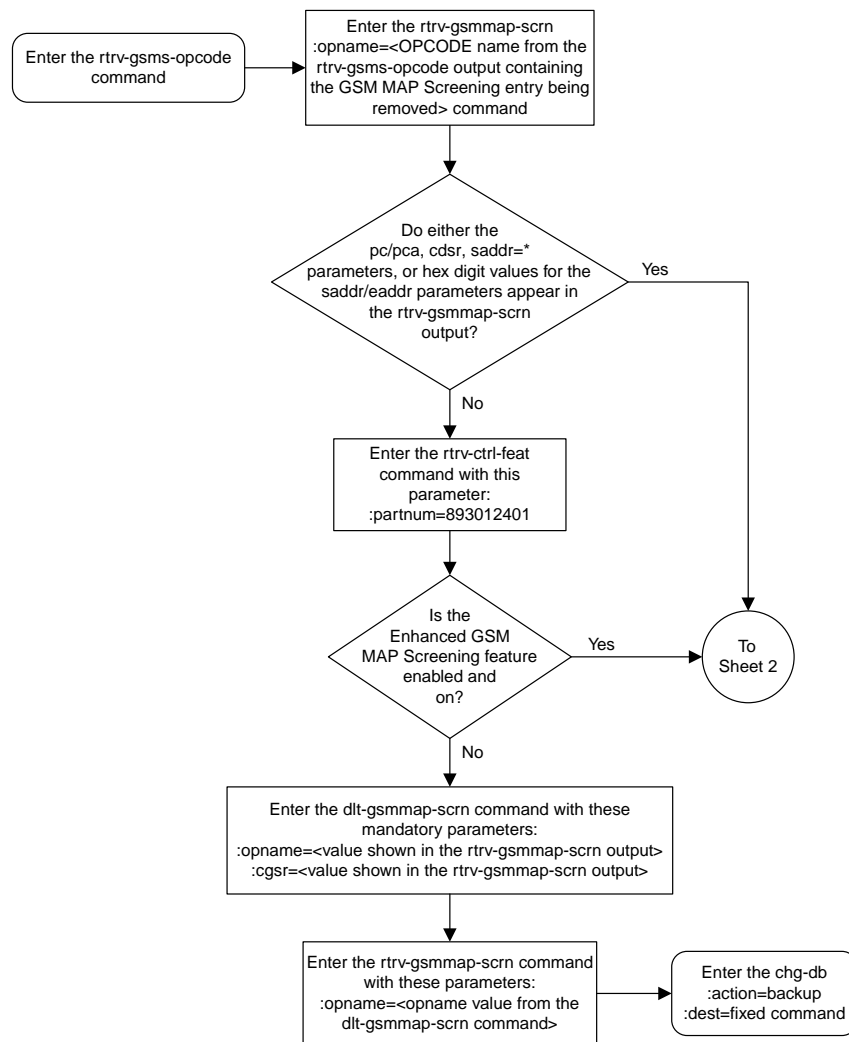


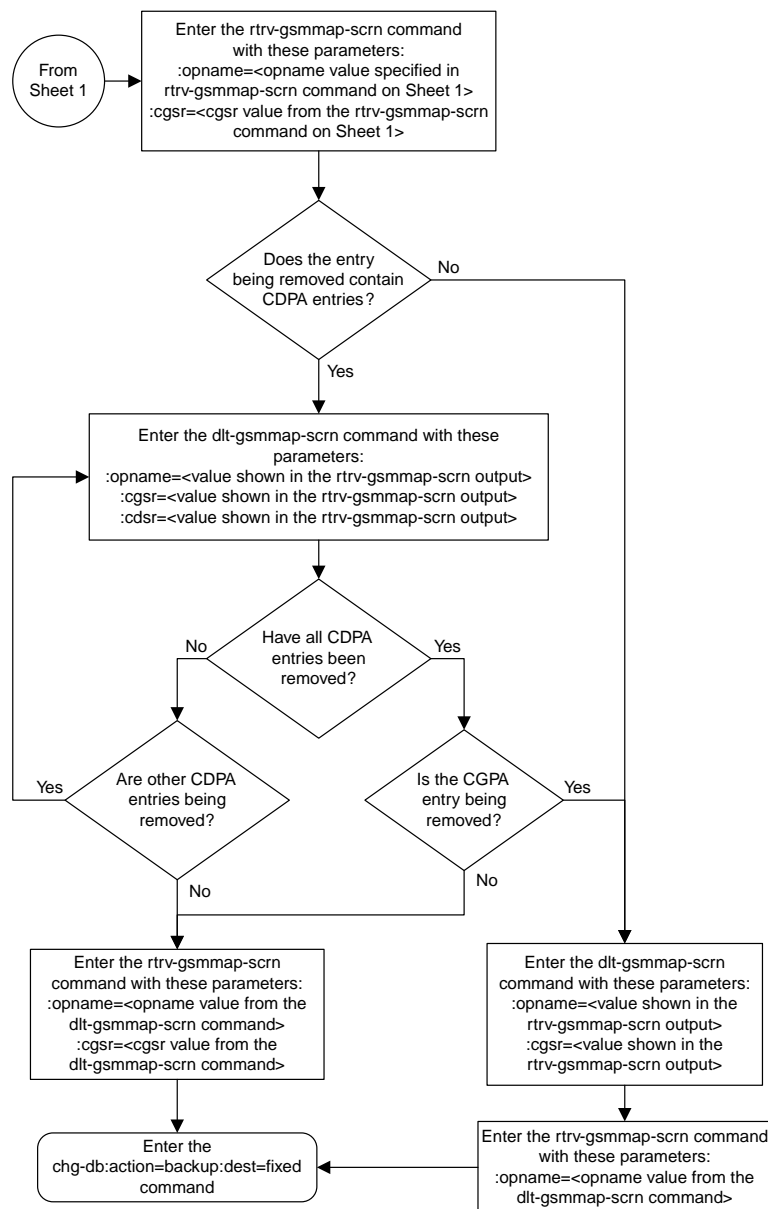






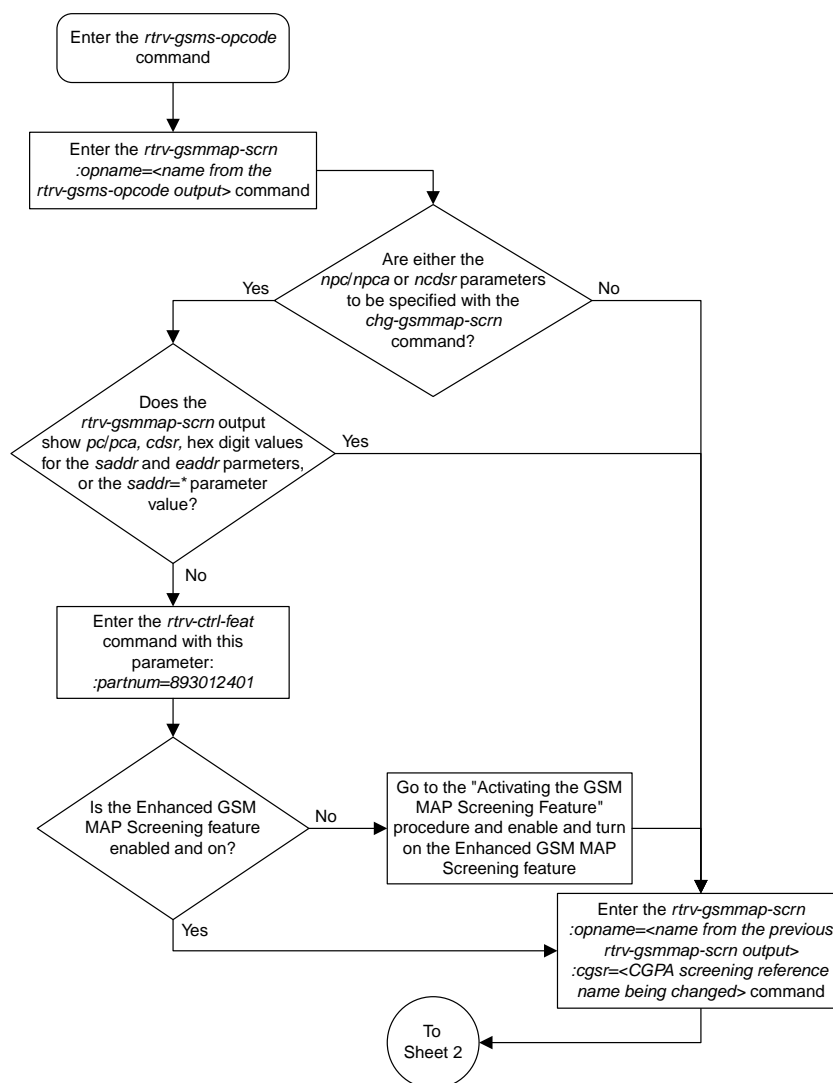
## Removing a GSM MAP Screening Entry

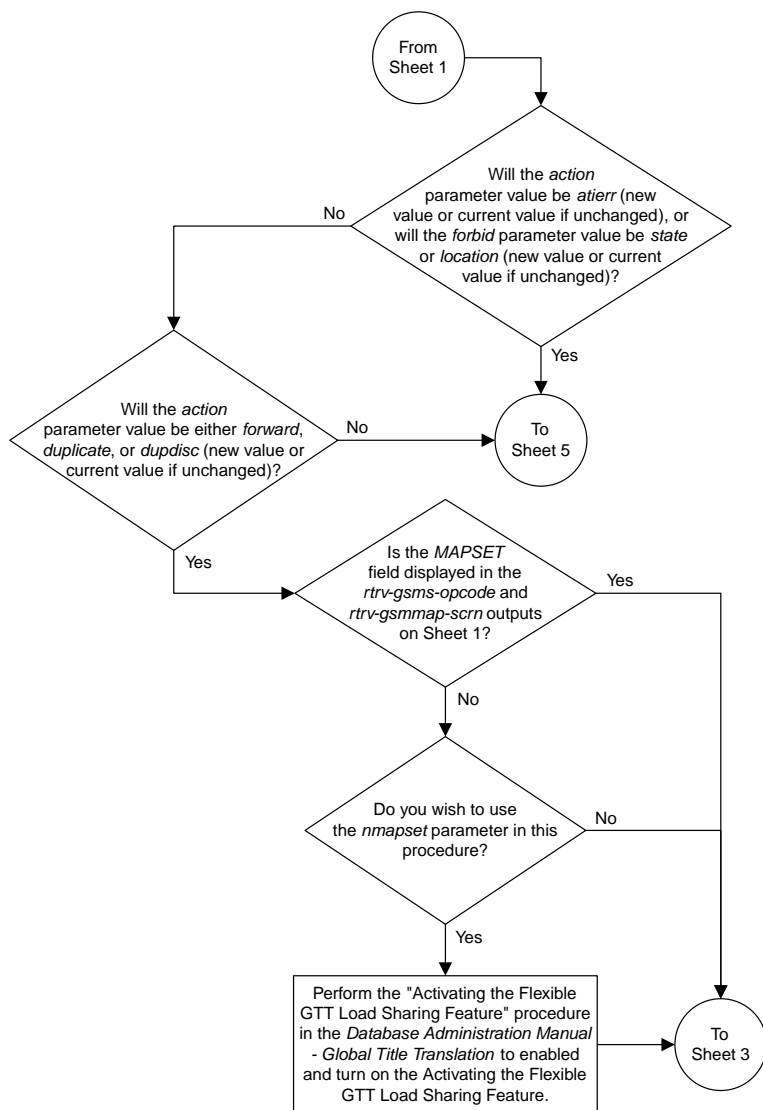




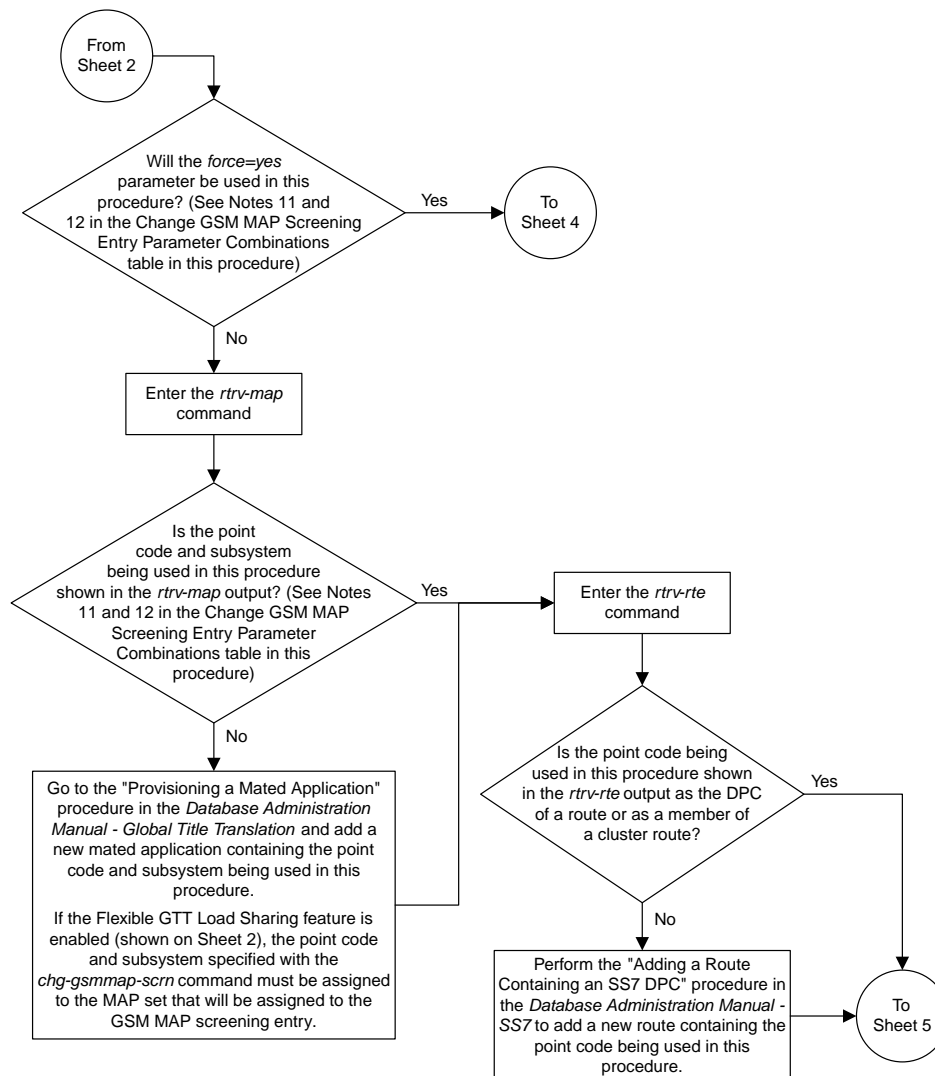
Sheet 2 of 2

## Changing a GSM MAP Screening Entry

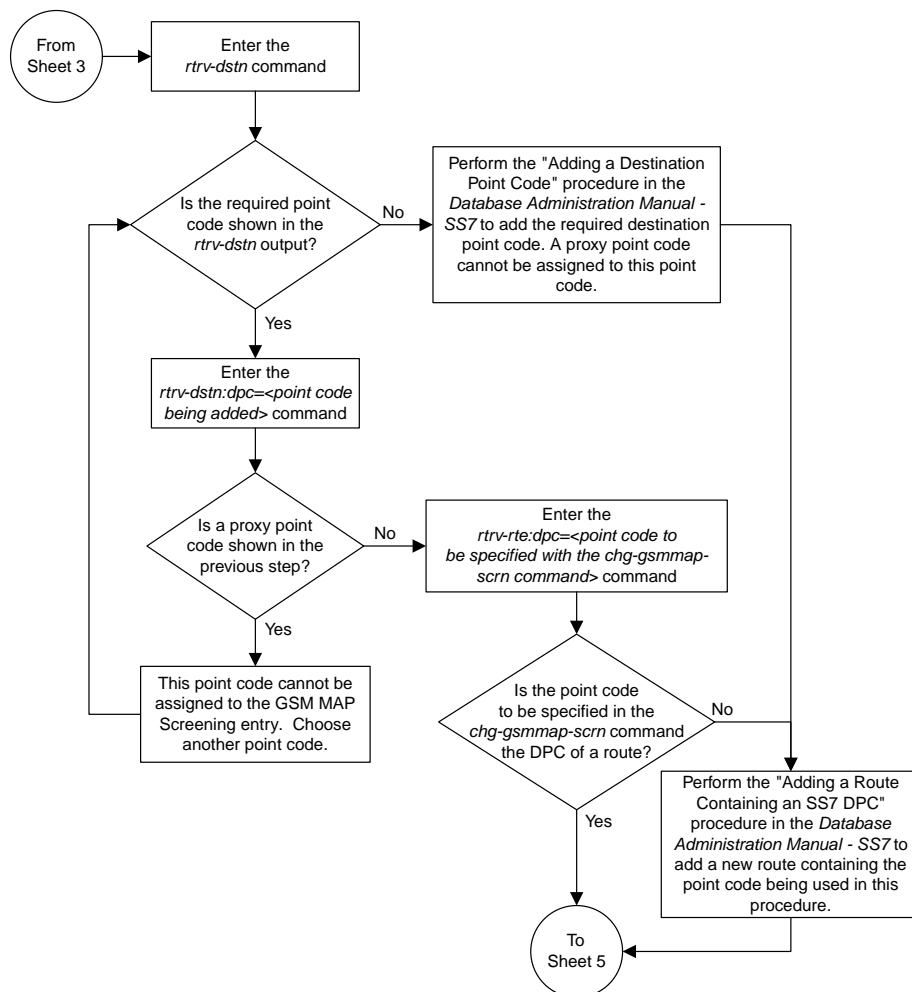




Sheet 2 of 6

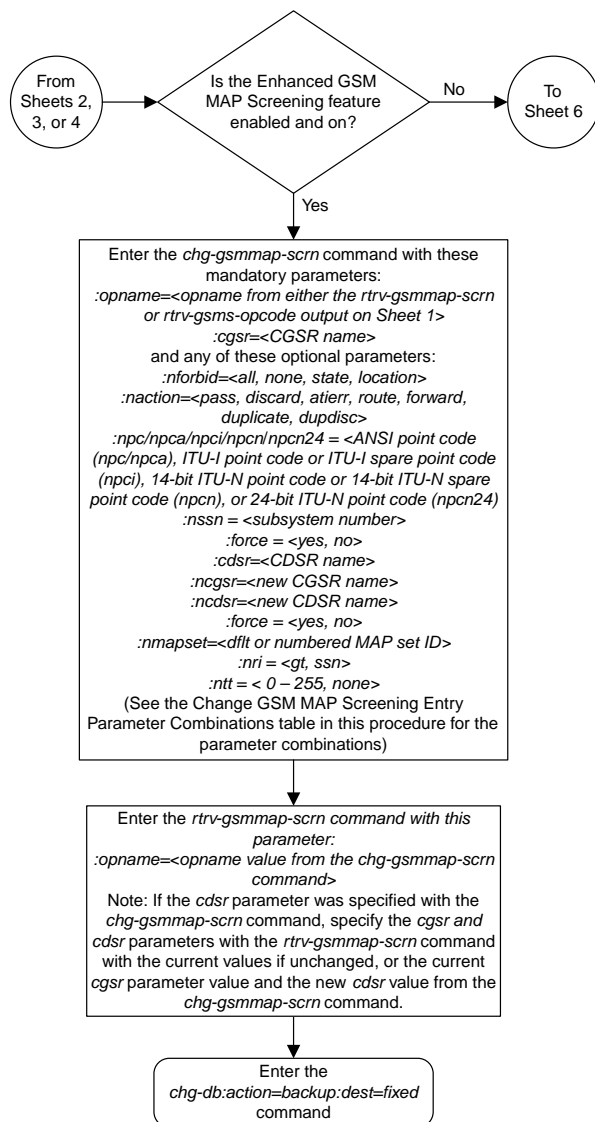


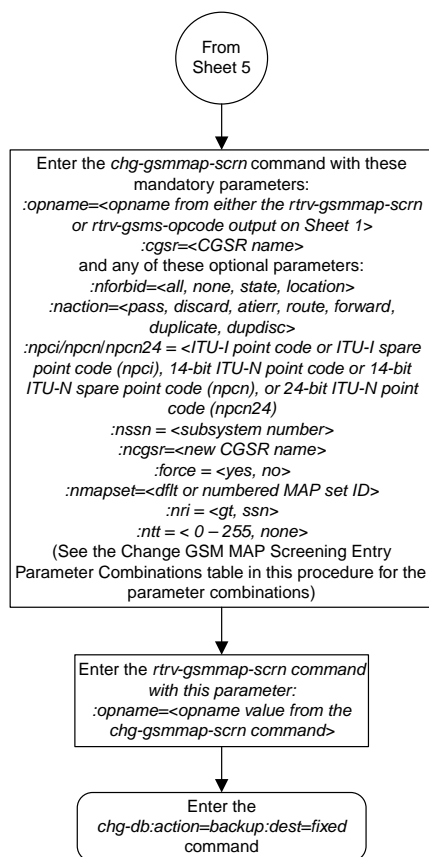
Sheet 3 of 6



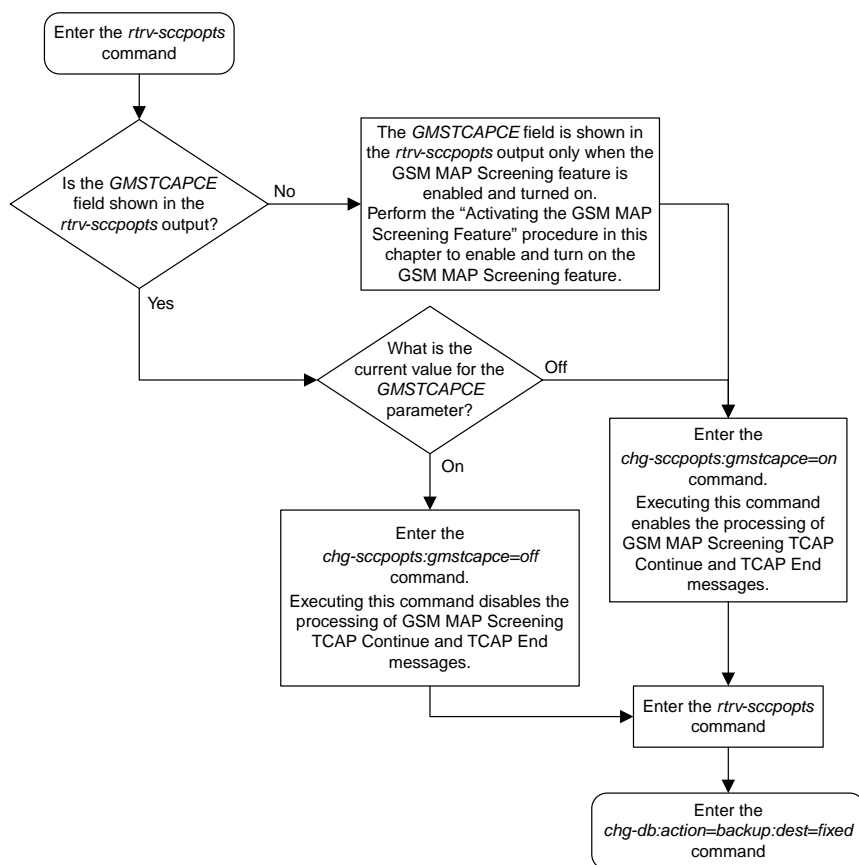
Sheet 4 of 6







## Changing the GSM MAP Screening TCAP Continue and End Message Processing Option



# Chapter 5

## EAGLE 5 Integrated Monitoring Support Configuration Flowcharts

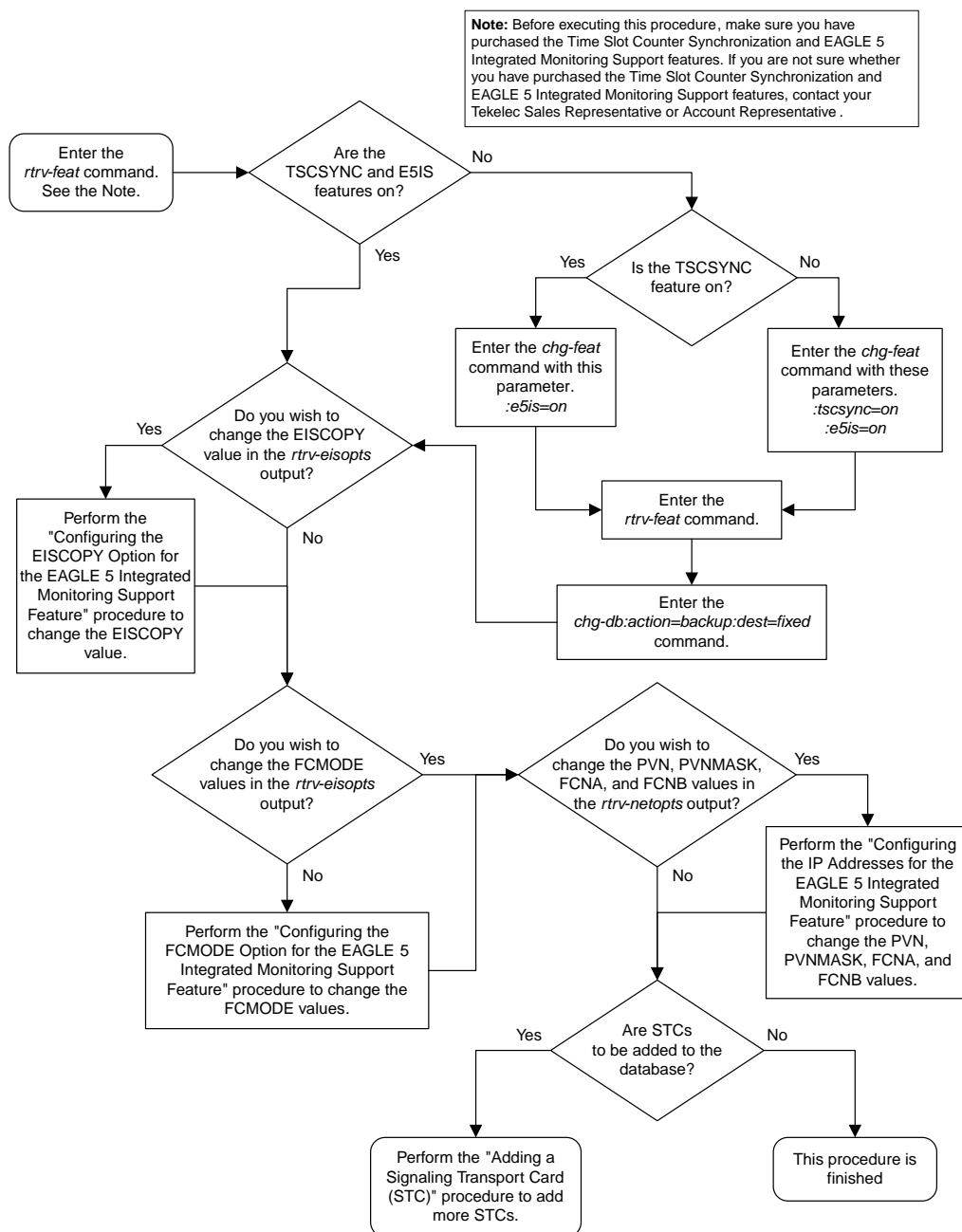
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### Topics:

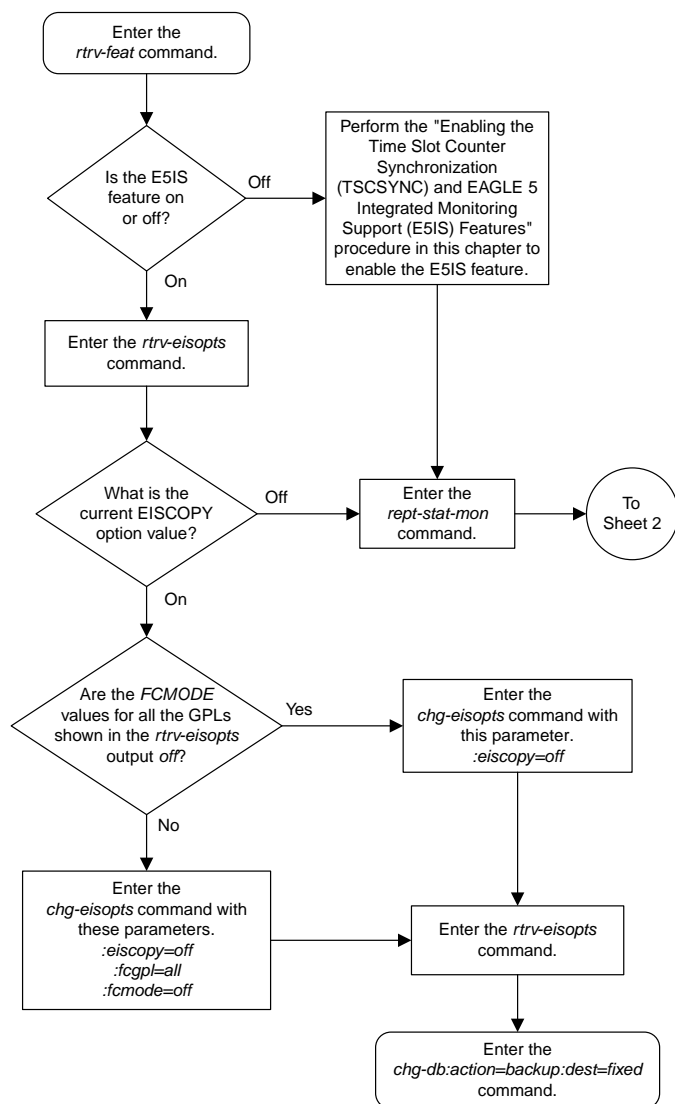
- *Enabling the Time Slot Counter Synchronization (TSCSYNC) and EAGLE 5 Integrated Monitoring Support (E5IS) Features.....117*
- *Configuring the EISCOPY Option for the EAGLE 5 Integrated Monitoring Support Feature.....118*
- *Configuring the FCMODE Option for the EAGLE 5 Integrated Monitoring Support Feature.....120*
- *Configuring the IP Addresses for the EAGLE 5 Integrated Monitoring Support Feature.....123*
- *Adding a Signaling Transport Card (STC).....125*
- *Removing a Signaling Transport Card (STC)..128*

This chapter contains the flowcharts for the EAGLE 5 Integrated Monitoring Support configuration procedures located in the *Database Administration Manual - Features*.

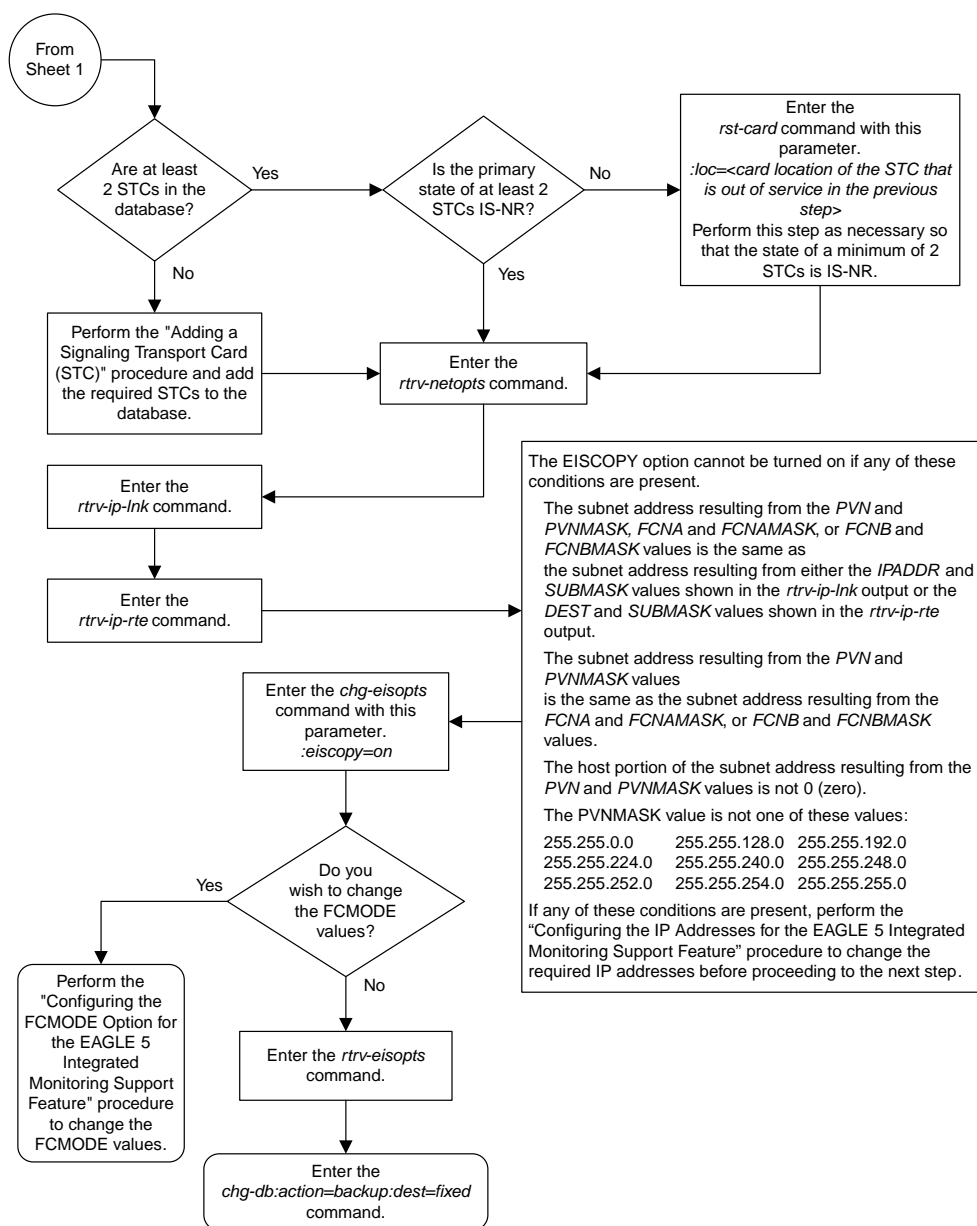
## Enabling the Time Slot Counter Synchronization (TSCSYNC) and EAGLE 5 Integrated Monitoring Support (E5IS) Features



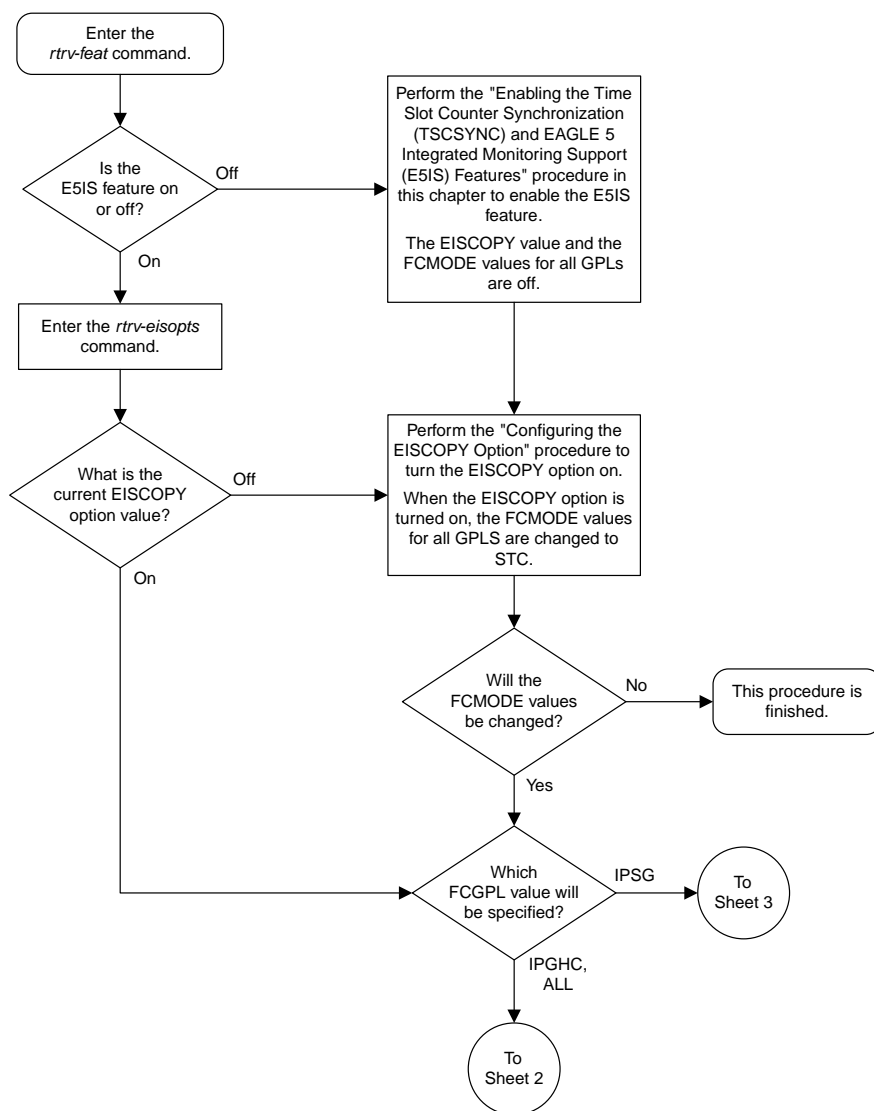
## Configuring the EISCOPY Option for the EAGLE 5 Integrated Monitoring Support Feature



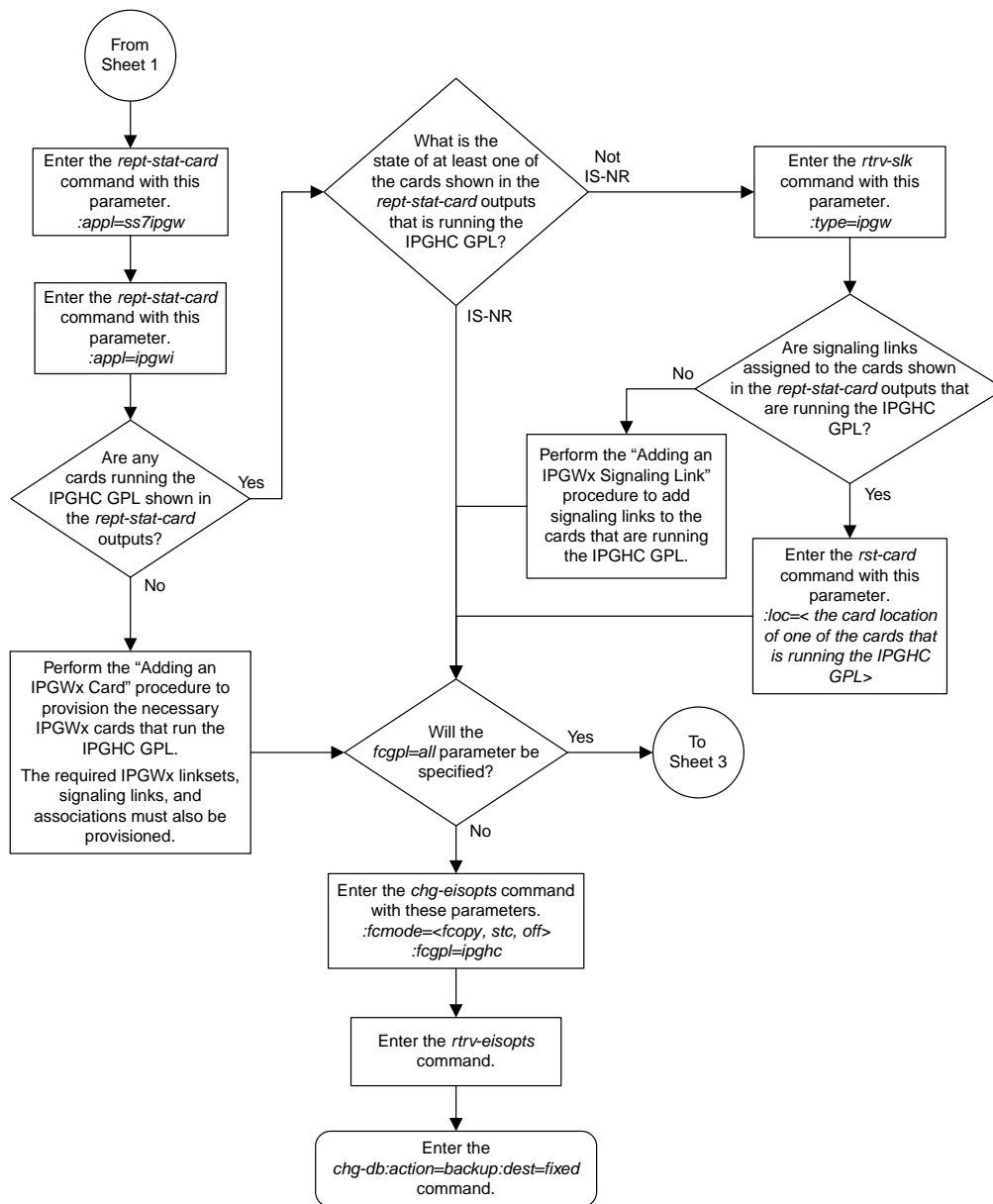
Sheet 1 of 2



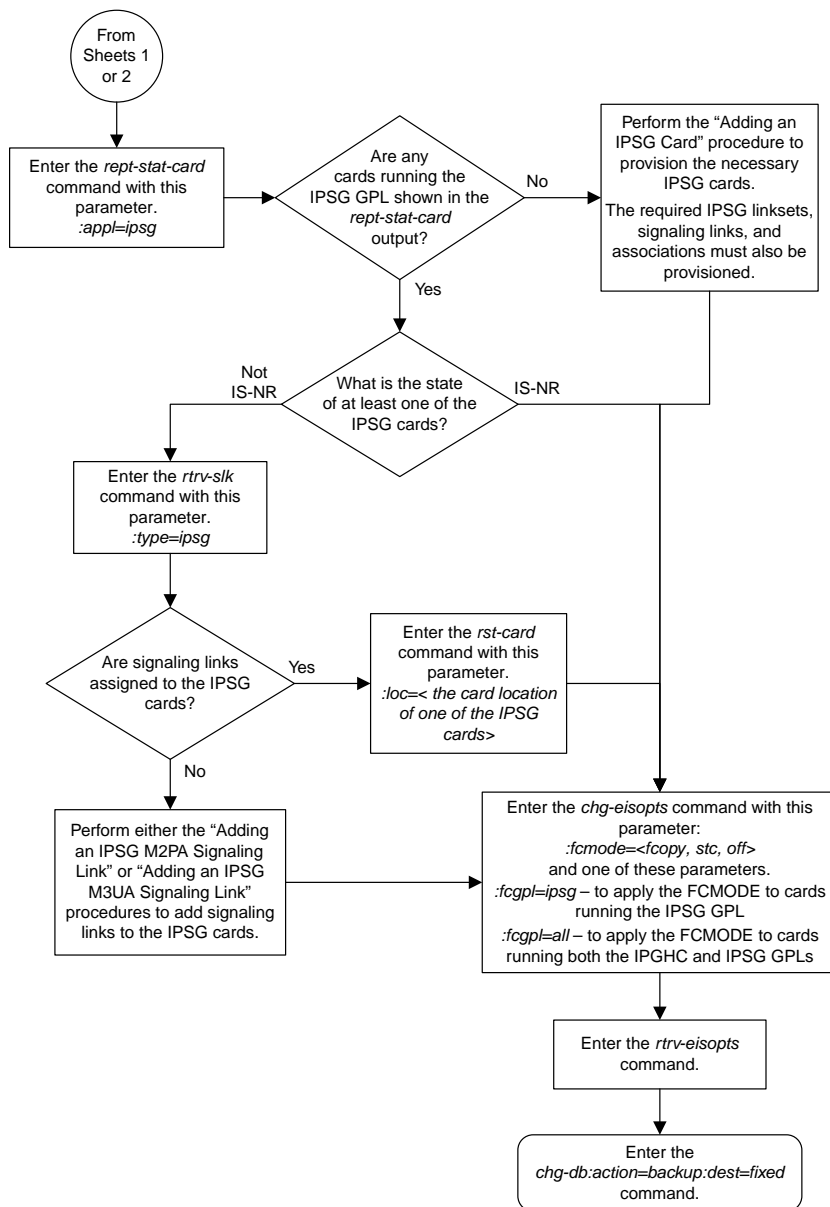
## Configuring the FCMODE Option for the EAGLE 5 Integrated Monitoring Support Feature



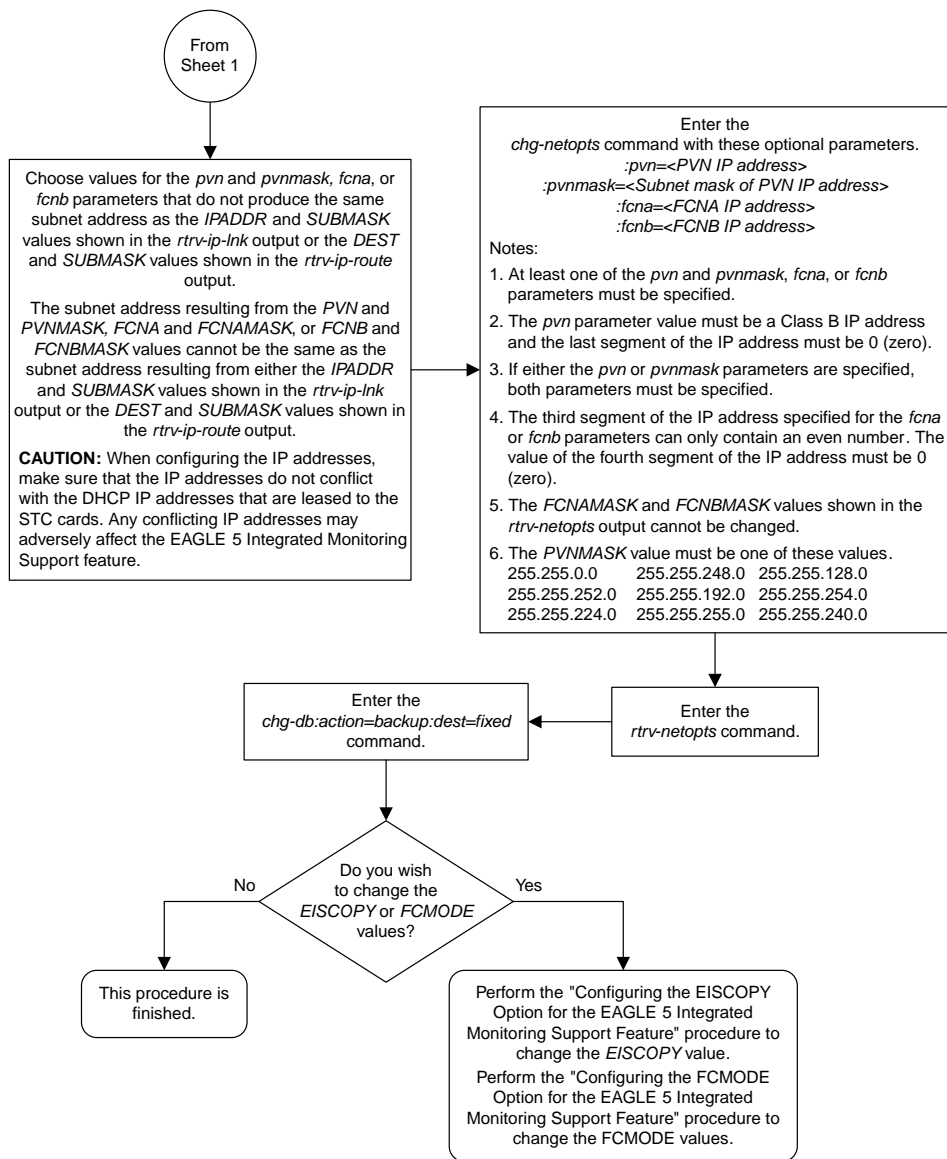




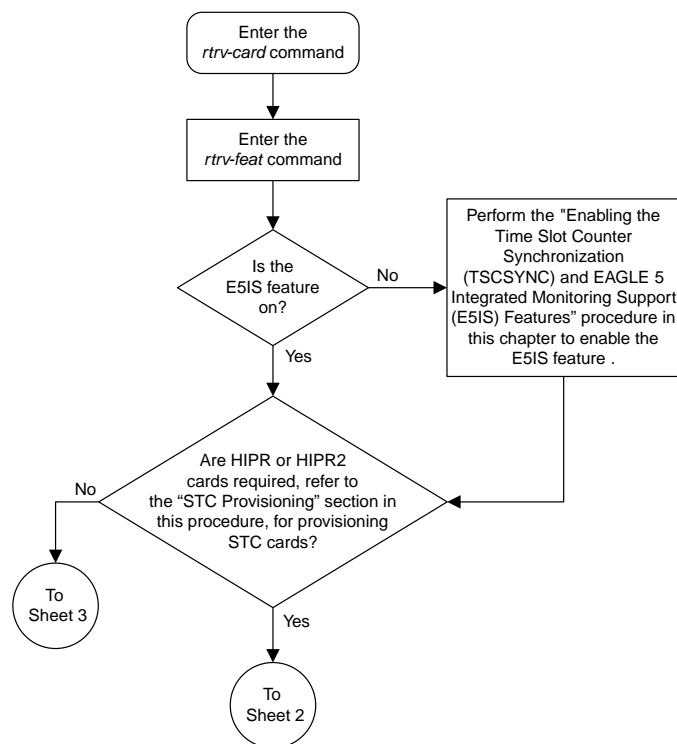
Sheet 2 of 3

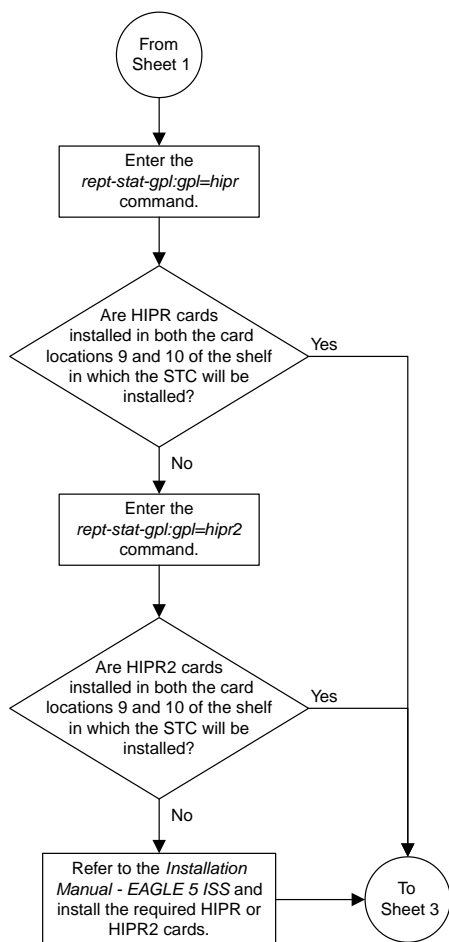


```
graph TD
    Start([Start]) --> EnterRtrvFeat[Enter the rtrv-feat command.]
    EnterRtrvFeat --> IsE5IS{Is the E5IS feature on or off?}
    IsE5IS -- Off --> PerformTSCSync[Perform the "Enabling the Time Slot Counter Synchronization (TSCSYNC) and EAGLE 5 Integrated Monitoring Support (E5IS) Features" procedure to turn on the E5IS feature.]
    IsE5IS -- On --> EnterRtrvEisopts[Enter the rtrv-eisopts command.]
    EnterRtrvEisopts --> ArePVNChanged{Are the PVN and PVNMASK values being changed?}
    ArePVNChanged -- No --> ChangeFCNA[To change the FCNA and FCNB values, the FCMODE values for all the GPLs shown in the rtrv-eisopts output must be either OFF or STC.]
    ArePVNChanged -- Yes --> ChangeEISCOPY[To change the PVN and PVNMASK values, the EISCOPY value must be OFF.  
For the EISCOPY value to be OFF, the FCMODE values for all the GPLs must be OFF. If the FCMODE values are OFF, the FCNA and FCNB values can also be changed.]
    ChangeFCNA --> AreFCMODESTC{Are the FCMODE values for all the GPLs STC or OFF?}
    AreFCMODESTC -- Yes --> EnterRtrvNetopts[Enter the rtrv-netopts command.]
    AreFCMODESTC -- No --> PerformFCMODEConfig[Perform the "Configuring the FCMODE Option for the EAGLE 5 Integrated Monitoring Support Feature" procedure to change the FCMODE values to either STC or OFF.]
    PerformFCMODEConfig --> EnterRtrvNetopts
    EnterRtrvNetopts --> EnterRtrvIPInk[Enter the rtrv-ip-lnk command.]
    EnterRtrvIPInk --> EnterRtrvIPRTE[Enter the rtrv-ip-rte command.]
    EnterRtrvIPRTE --> ToSheet2((To Sheet 2))
    ChangeEISCOPY --> WhatIsEISCOPY{What is the current EISCOPY option value?}
    WhatIsEISCOPY -- Off --> EnterRtrvNetopts
    WhatIsEISCOPY -- On --> PerformEISCOPYConfig[Perform the "Configuring the EISCOPY Option for the EAGLE 5 Integrated Monitoring Support Feature" procedure to change the EISCOPY value to OFF.]
    PerformEISCOPYConfig --> EnterRtrvNetopts
```

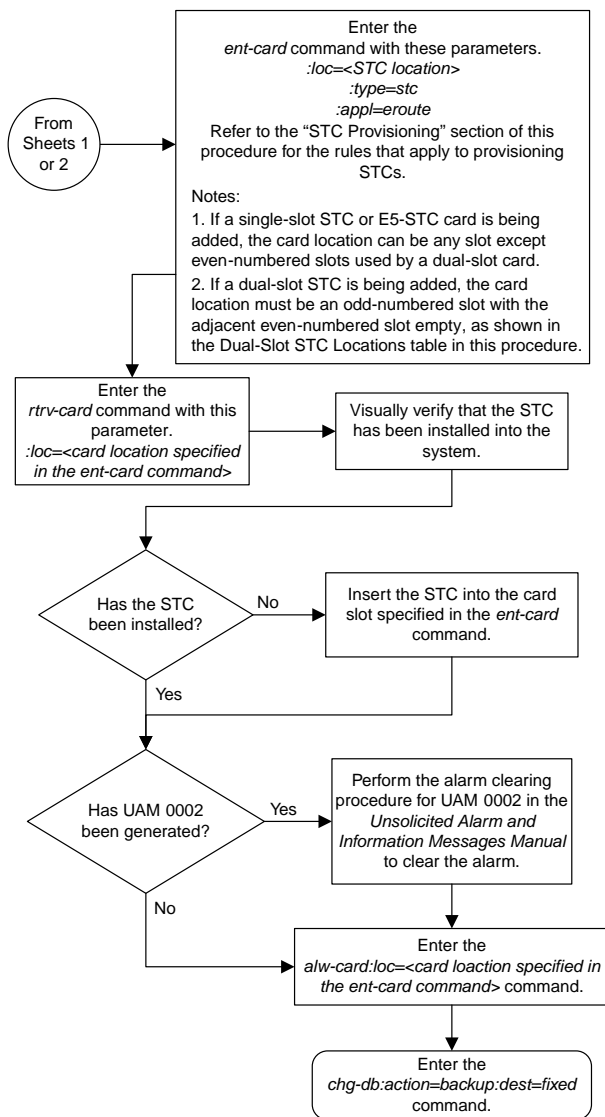


## Adding a Signaling Transport Card (STC)

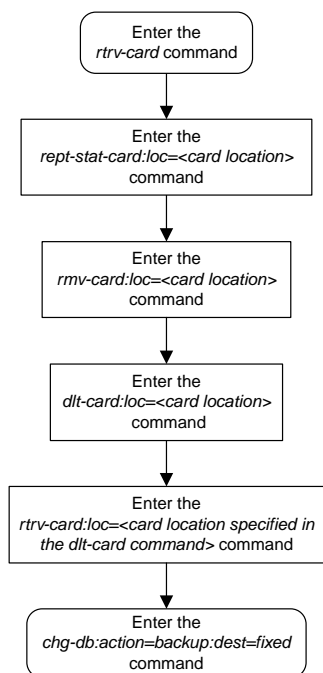




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## Removing a Signaling Transport Card (STC)





# Chapter 6

## Gateway Screening (GWS) Configuration Flowcharts

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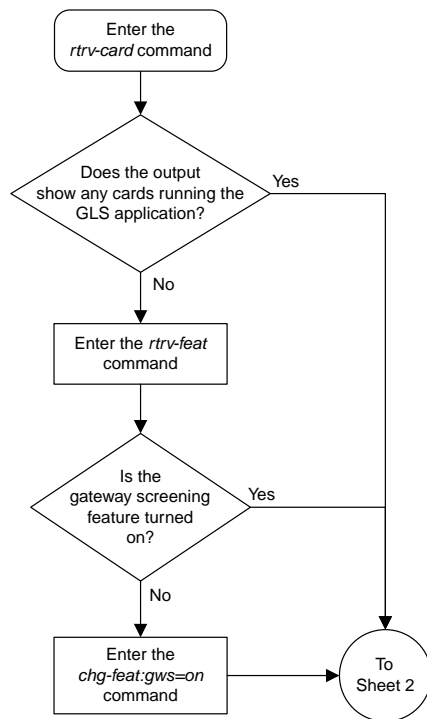
### Topics:

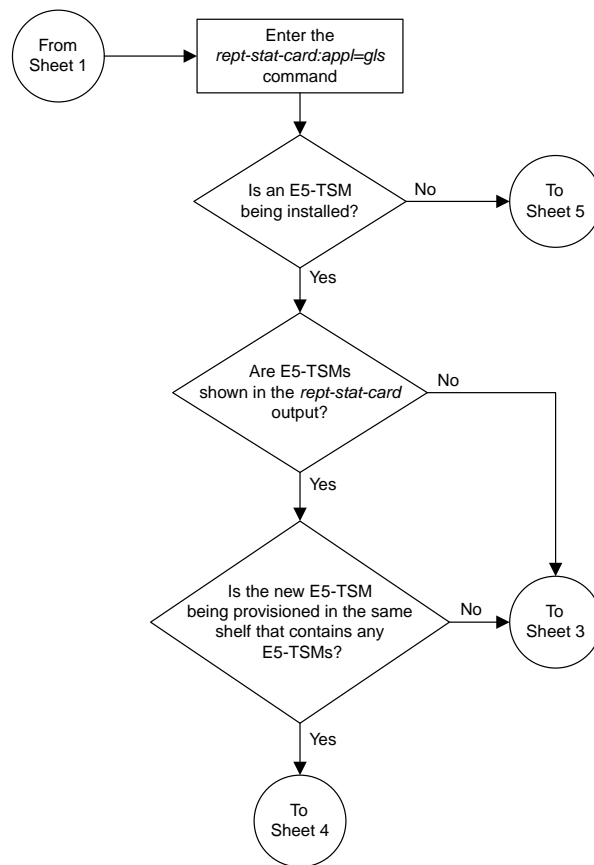
- *Adding a GLS Card.....131*
- *Removing a GLS Card.....136*
- *Configuring Gateway Screening Stop Action Sets.....137*
- *Configuring TLNP Gateway Screening Stop Action Sets.....141*
- *Removing Gateway Screening Stop Action Sets.....148*
- *Setting the Threshold for Reporting Gateway Screening Activity.....149*
- *Setting the Maximum Number of Gateway Screening Rejected Messages.....150*
- *Activating the MTP Routed GWS Stop Action Feature.....151*
- *Turning the MTP Routed GWS Stop Action Feature Off.....155*
- *Adding an Allowed Affected Point Code Screen.....156*
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- *Changing an Allowed Affected Point Code Screen.....160*
- *Adding an Allowed Called Party Address Screen.....164*
- *Removing an Allowed Called Party Address Screen.....168*
- *Changing an Allowed Called Party Address Screen.....170*
- *Adding an Allowed Translation Type Screen...175*
- *Removing an Allowed Translation Type Screen.....178*
- *Changing an Allowed Translation Type Screen.....179*

This chapter contains the flowcharts for the Gateway Screening configuration procedures located in the *Database Administration Manual - Gateway Screening*.

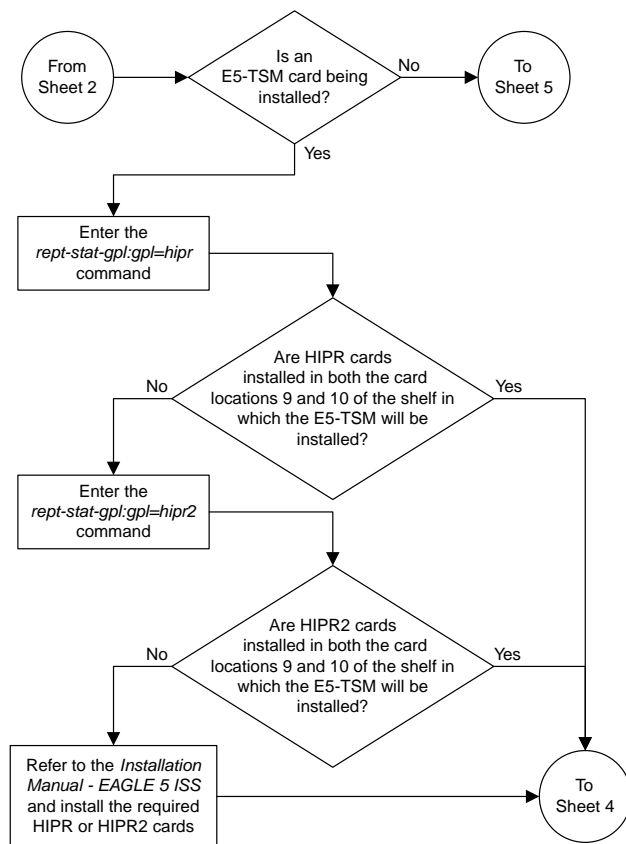
- *Adding an Allowed Calling Party Address Screen.....182*
- *Removing an Allowed Calling Party Address Screen .....186*
- *Changing an Allowed Calling Party Address Screen.....188*
- *Adding an Allowed Affected Destination Field Screen.....193*
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- *Adding a Blocked DPC Screen.....202*
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- *Adding an Allowed SIO Screen.....226*
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- *Removing a Blocked OPC Screen.....238*
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- *Adding an Allowed OPC Screen.....244*
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- *Adding an Allowed ISUP Message Type Screen.....267*
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- *Changing an Allowed ISUP Message Type Screen.....271*

## Adding a GLS Card

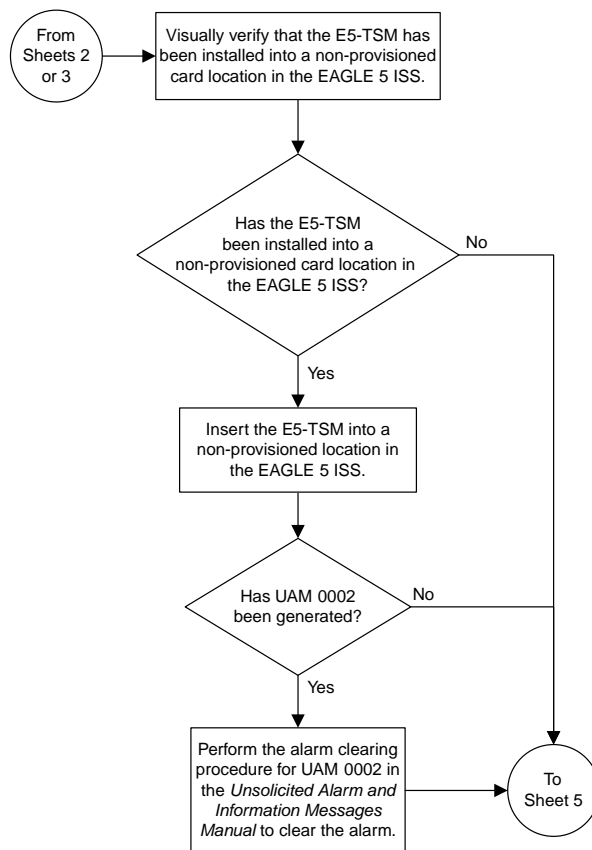


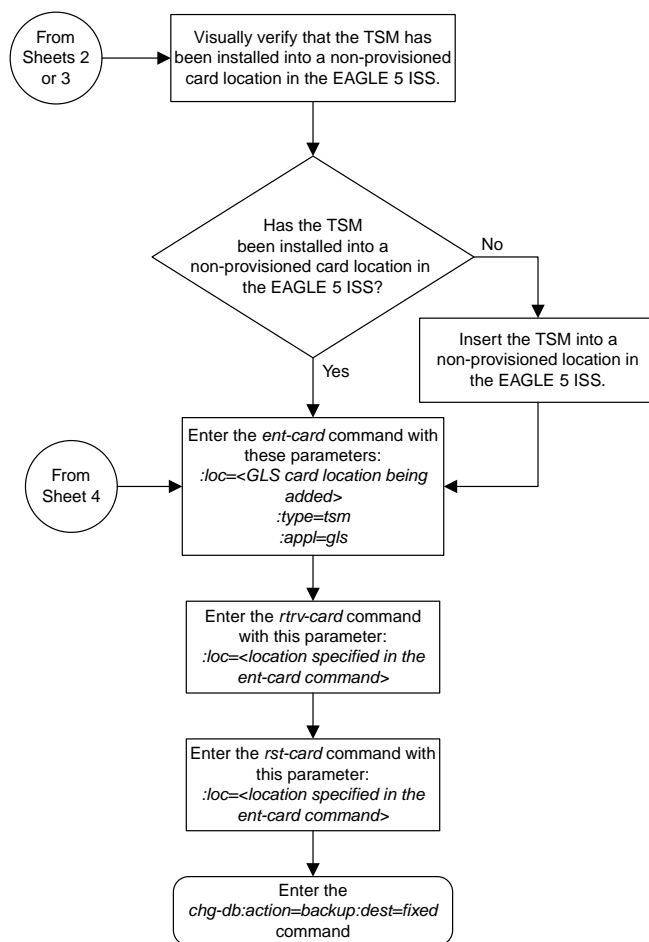


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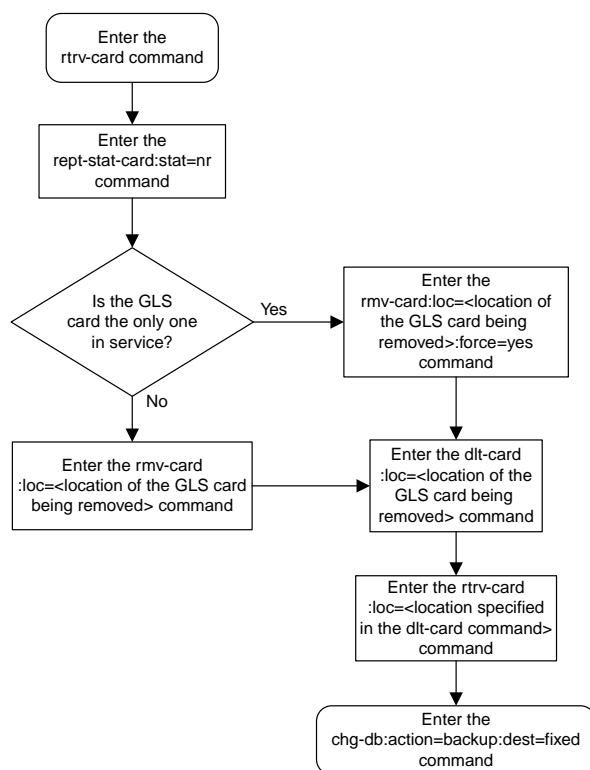


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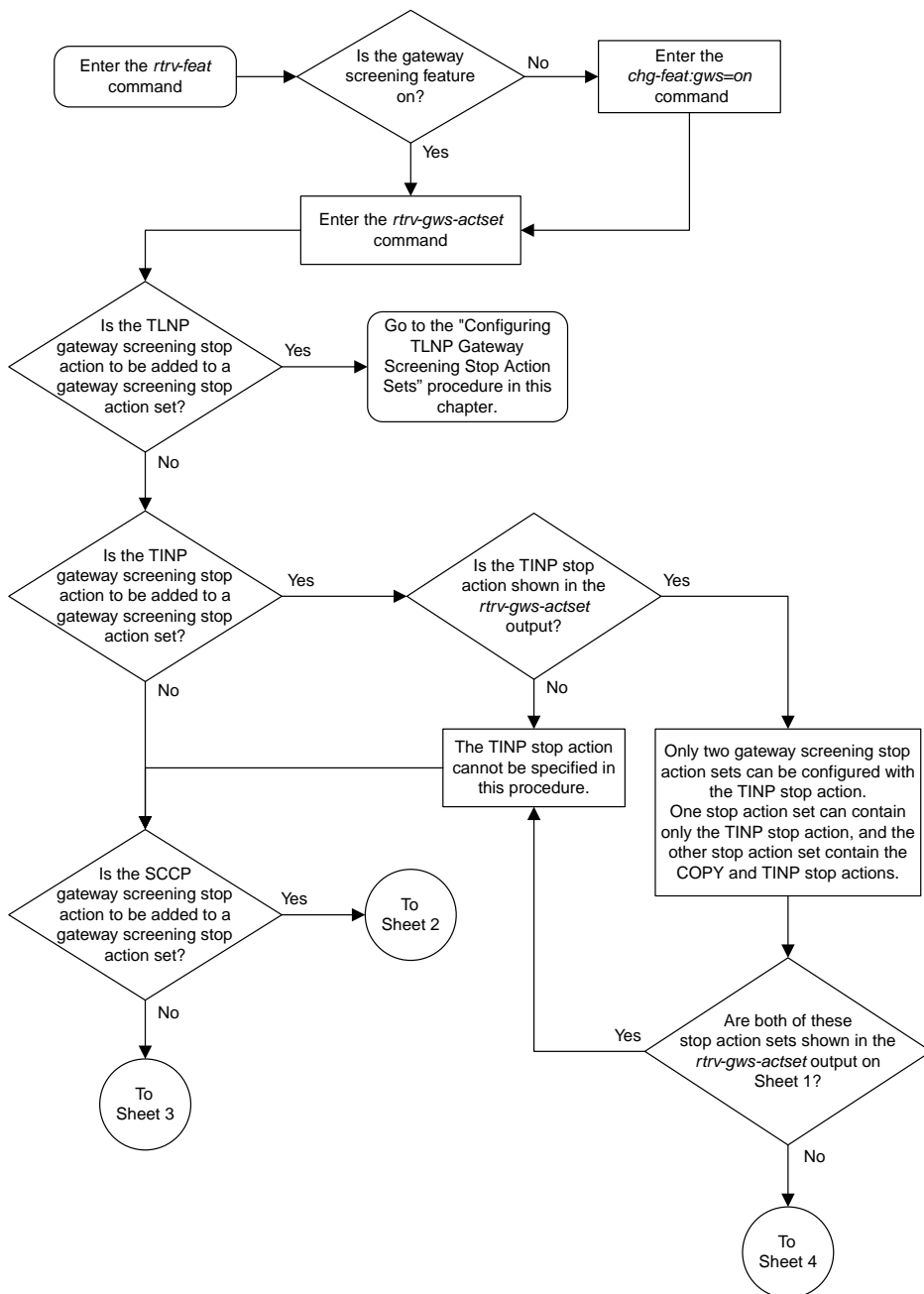


## Removing a GLS Card

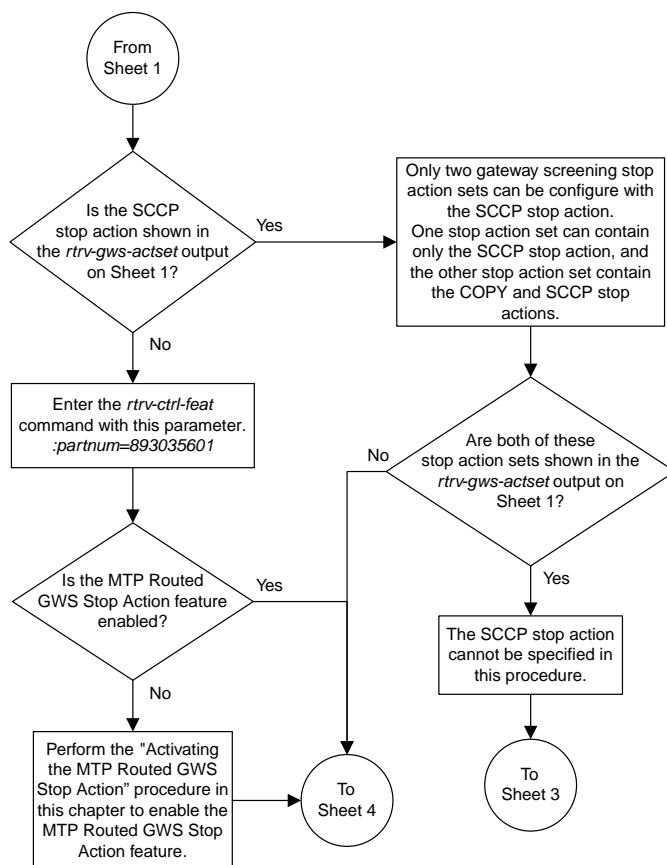




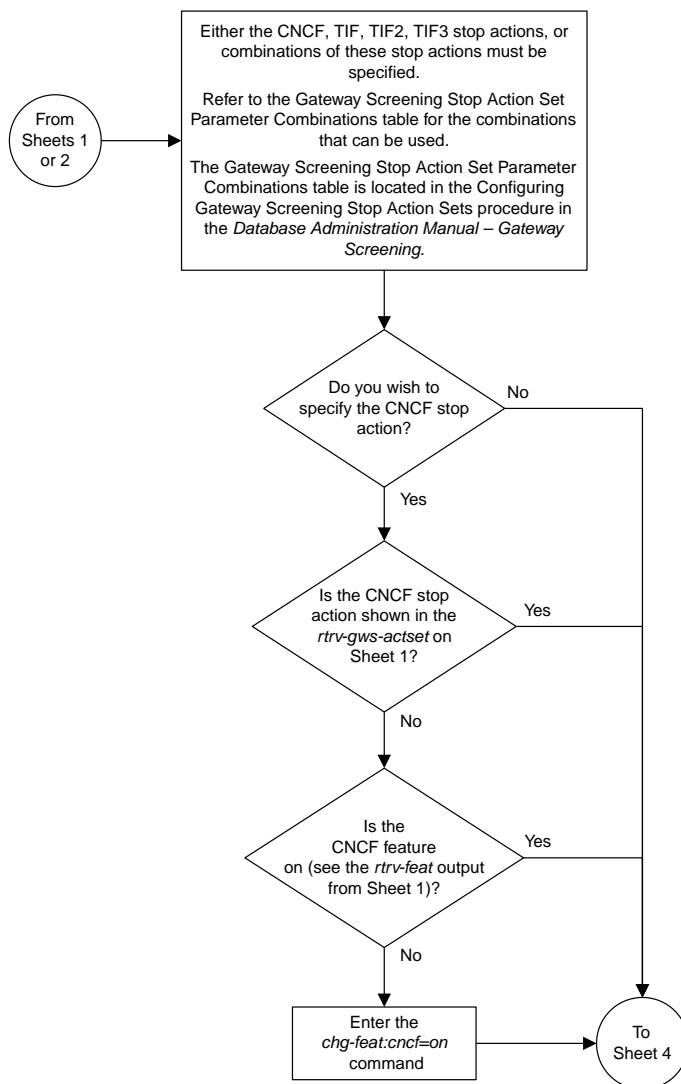
## Configuring Gateway Screening Stop Action Sets



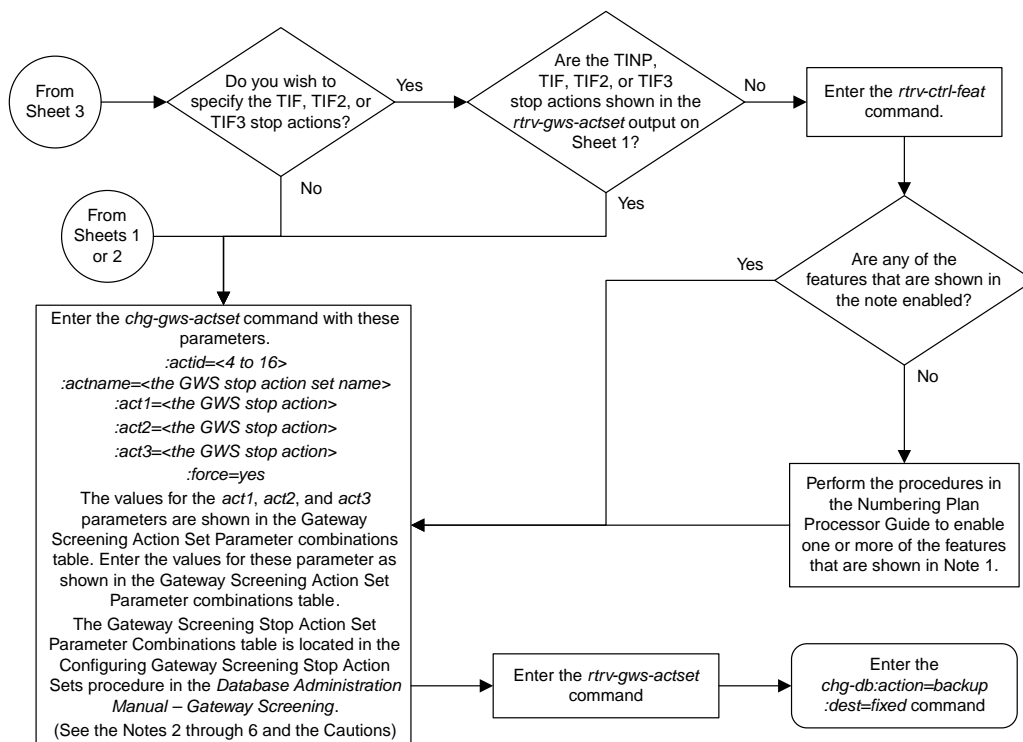
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## Notes:

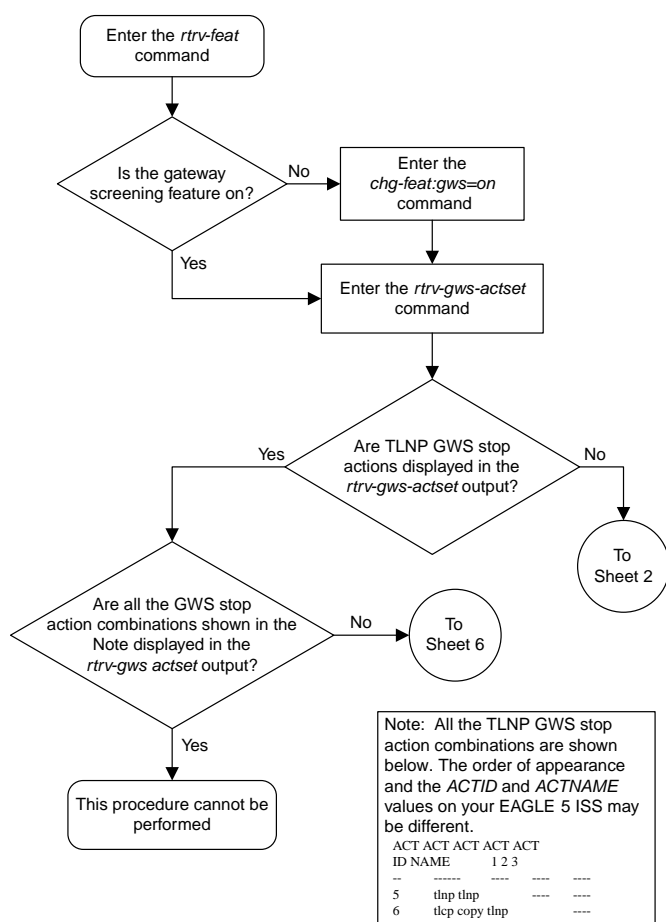
- The features that must be enabled to specify the TIF, TIF2, or TIF3 stop actions in this procedure are:  
893018901 – TIF Number Portability  
893022202 – TIF SCS Forwarding  
893024001 – TIF Simple Number Substitution.
- The *force=yes* parameter must be specified with the *chg-gws-actset* command if an existing GWS stop action set is being changed.
- The *force=yes* parameter can be specified with the *chg-gws-actset* command if a new GWS stop action set is being created, but is not necessary.
- The *actname* parameter must be specified for a new GWS stop action set.
- The *actname* parameter is not required, but can be specified, if an existing stop action set is being changed.
- If the *actname* parameter value is different from what is shown in the *rtrv-gws-actset* output for the GWS stop action set being changed, the name of the GWS stop action set will be changed to the new *actname* parameter value (see Caution 1).

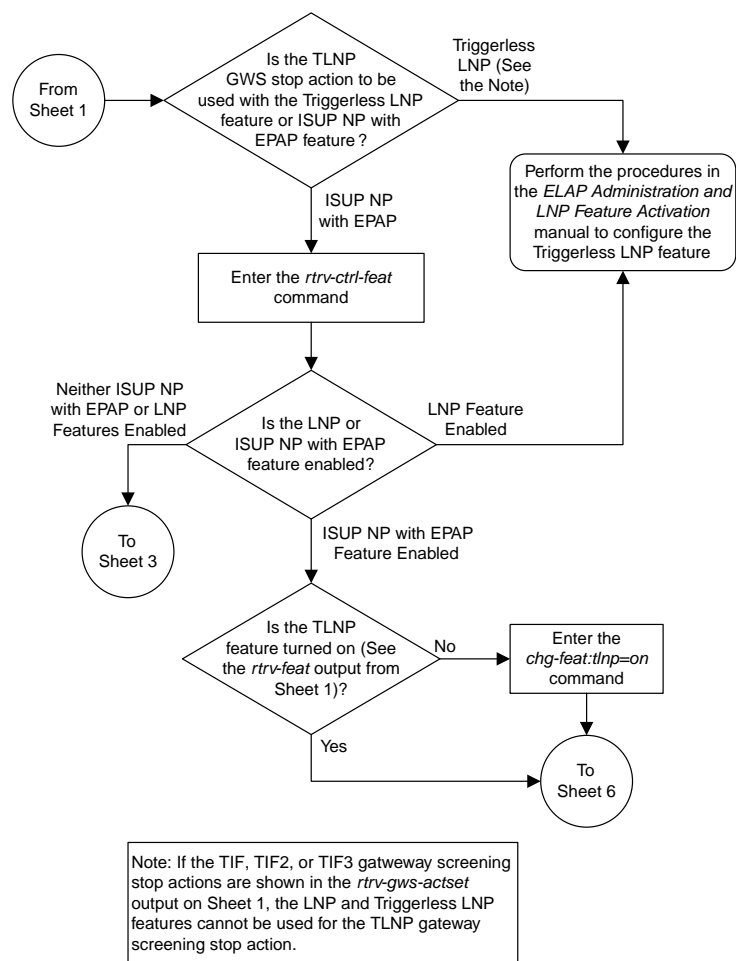
## Cautions:

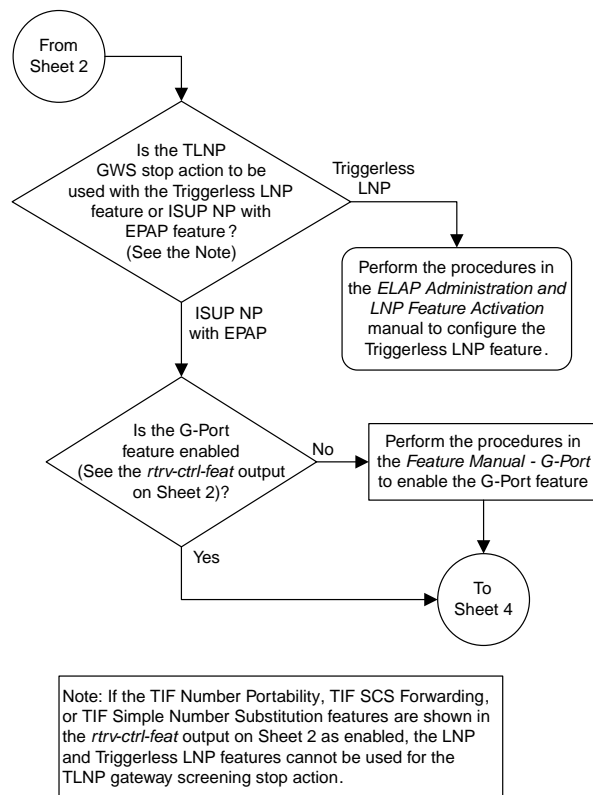
- Changing the name of an existing GWS stop action set will prevent the actions defined in the GWS stop action set from being used to process the MSUs that pass gateway screening. If the name of the GWS stop action set is changed, enter the gateway screening retrieve commands (*rtrv-scrset*, *rtrv-scr-opc*, *rtrv-scr-blkopc*, *rtrv-scr-sio*, *rtrv-scr-dpc*, *rtrv-scr-blkdpc*, *rtrv-scr-destfid*, *rtrv-scr-isup*, *rtrv-scr-cgpa*, *rtrv-scr-rt*, *rtrv-scr-cdpa*, and *rtrv-scr-afpc*) with the *actname* parameter and the old GWS stop action set name to identify the screens that need to be changed to use the new GWS stop action set name. To change these screens, perform the appropriate procedures in this chapter.
- Caution must be used when changing the stop actions in existing gateway screening stop action sets because these gateway screening stop action sets may be used by one or more gateway screening rules. Changes in the existing gateway screening stop action sets will change how MSUs that pass gateway screening are processed.
- Caution must be used when specifying the RDCT stop action in an existing GWS stop action set. Specifying the RDCT stop action for Allowed OPC screens containing the adjacent point code of a linkset, for Allowed SIO screens containing the service indicator values 1 (SI=1) or 2 (SI=2), or for Allowed DPC screens containing the Eagle's point code can cause signaling link failures.

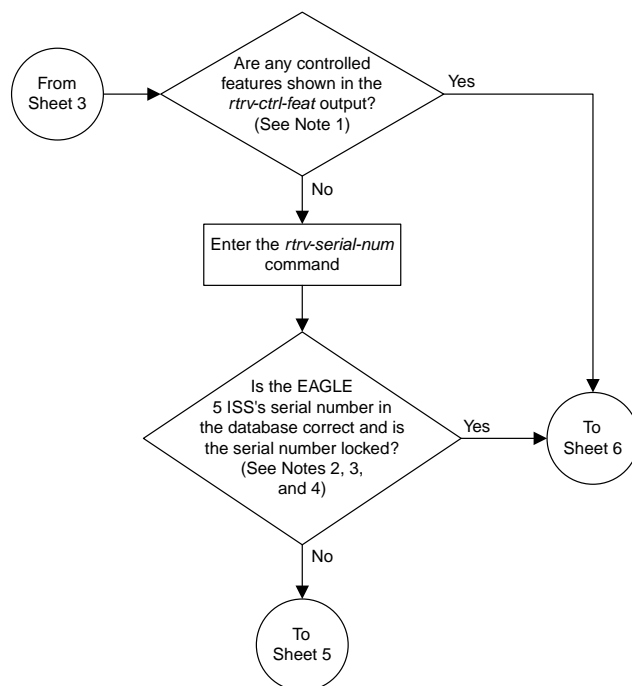
To verify whether or not the GWS stop action set name used in this procedure is referenced by these screens, enter the *rtrv-scr-opc*, *rtrv-scr-sio*, or *rtrv-scr-dpc* commands, with the *actname* parameter and the GWS stop action set name used in this procedure.

## Configuring TLNP Gateway Screening Stop Action Sets



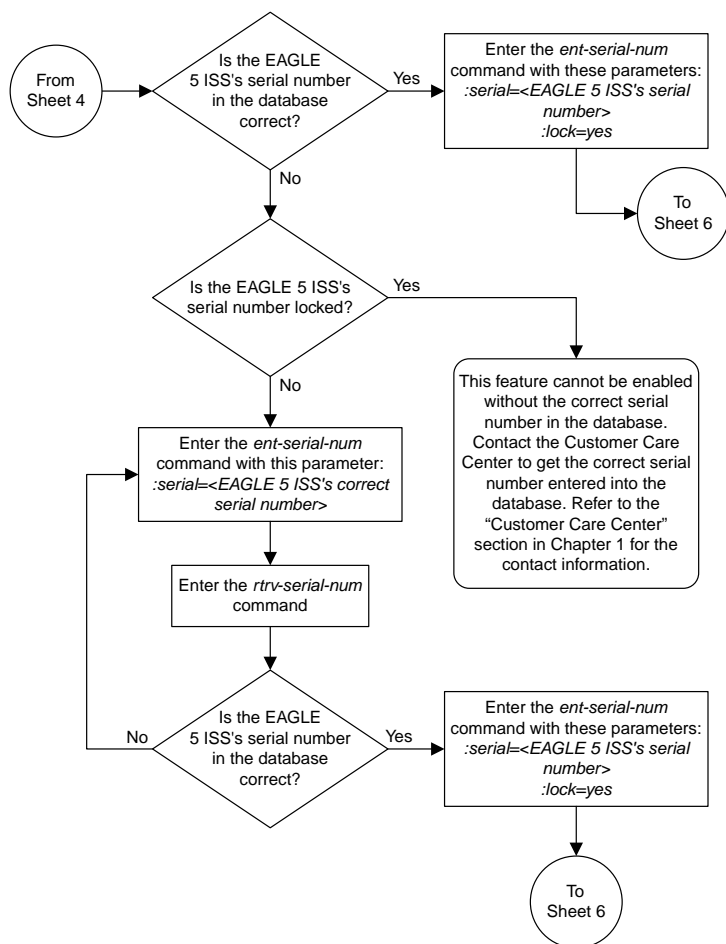




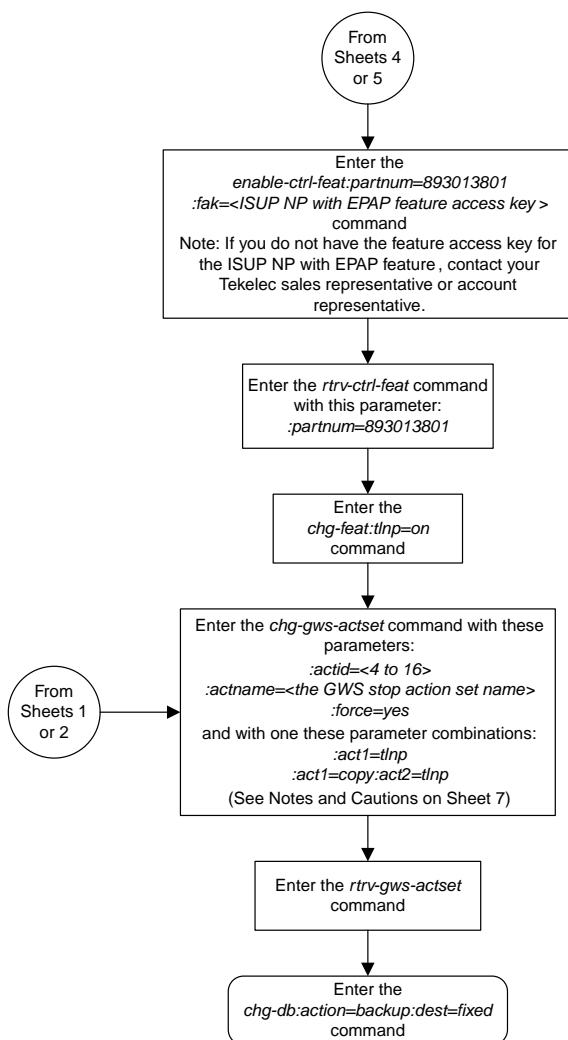
**Notes:**

1. If the *rtrv-ctrl-feat* output shows only the HC -MIM SLK Capacity feature with a quantity of 64, the answer to this question is no and the Eagle 5 ISS's serial number must be verified. This is the default entry for the *rtrv-ctrl-feat* output. This entry is shown whether or not the Eagle 5 ISS's serial number is in the database.
2. If the serial number is locked, it cannot be changed.
3. If the serial number is not locked, the controlled feature cannot be enabled.
4. The serial number can be found on a label affixed to the control shelf (shelf 1100).





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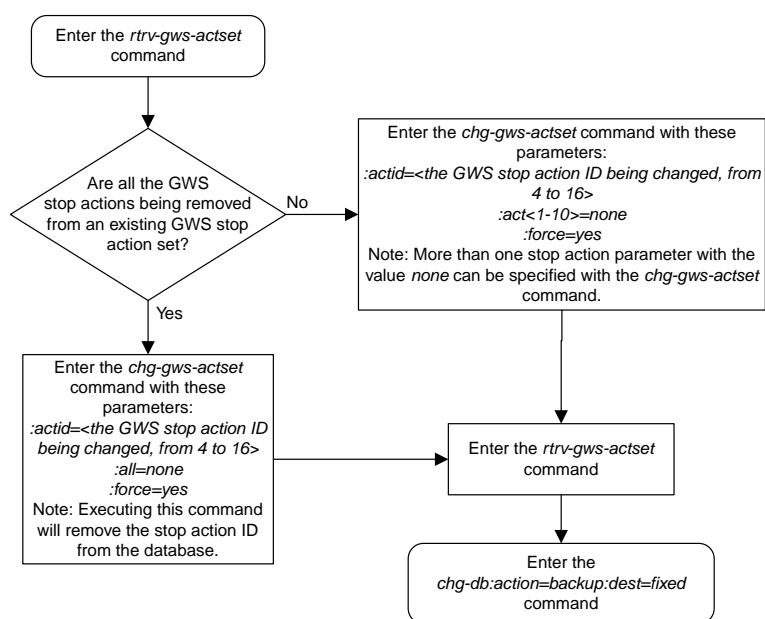
**Notes:**

1. The *force=yes* parameter must be specified with the *chg-gws-actset* command if an existing GWS stop action set is being changed.
2. The *force=yes* parameter can be specified with the *chg-gws-actset* command if a new GWS stop action set is being created, but is not necessary.
3. The TLNP GWS stop action cannot be in the same GWS stop action set with either the CNCF or RDCT GWS stop actions.
4. The *actname* parameter must be specified for a new GWS stop action set.
5. The *actname* parameter is not required, but can be specified, if an existing stop action set is being changed.
6. If the *actname* parameter value is different from what is shown in the *rtrv-gws-actset* output for the GWS stop action set being changed, the name of the GWS stop action set will be changed to the new *actname* parameter value (see Caution 1).

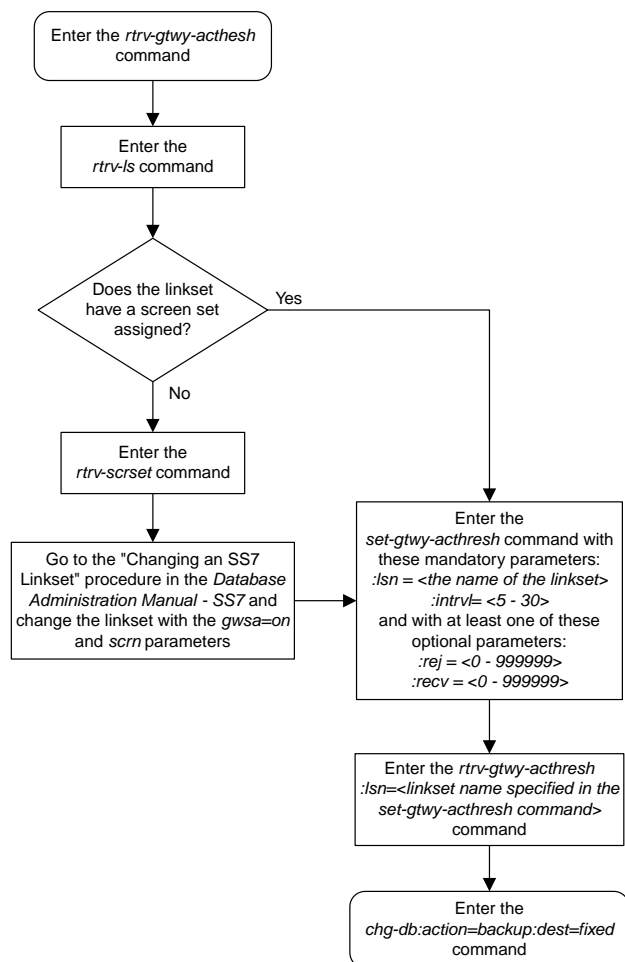
**Cautions:**

1. Changing the name of an existing GWS stop action set will prevent the actions defined in the GWS stop action set from being used to process the MSUs that pass gateway screening. If the name of the GWS stop action set is changed, enter the gateway screening retrieve commands (*rtrv-scrset*, *rtrv-scr-opc*, *rtrv-scr-blkopc*, *rtrv-scr-sio*, *rtrv-scr-dpc*, *rtrv-scr-blkdpc*, *rtrv-scr-destfld*, *rtrv-scr-isup*, *rtrv-scr-cgpa*, *rtrv-scr-tt*, *rtrv-scr-cdpa*, and *rtrv-scr-aftpc*) with the *actname* parameter and the old GWS stop action set name to identify the screens that need to be changed to use the new GWS stop action set name. To change these screens, perform the appropriate procedures in Chapters 3 through 15 in this manual.
2. Caution must be used when changing the stop actions in existing gateway screening stop action sets because these gateway screening stop action sets may be used by one or more gateway screening rules. Changes in the existing gateway screening stop action sets will change how MSUs that pass gateway screening are processed.

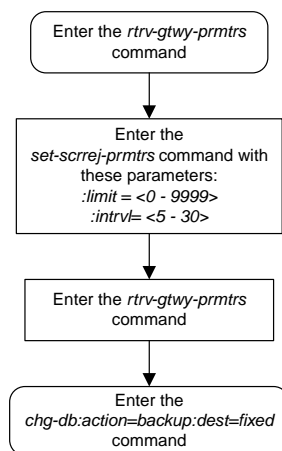
## Removing Gateway Screening Stop Action Sets



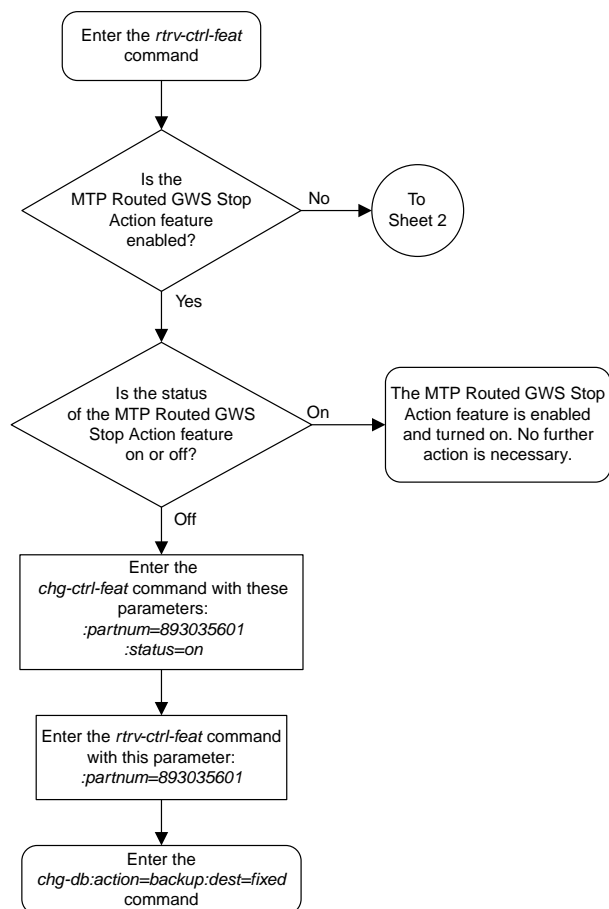
## Setting the Threshold for Reporting Gateway Screening Activity

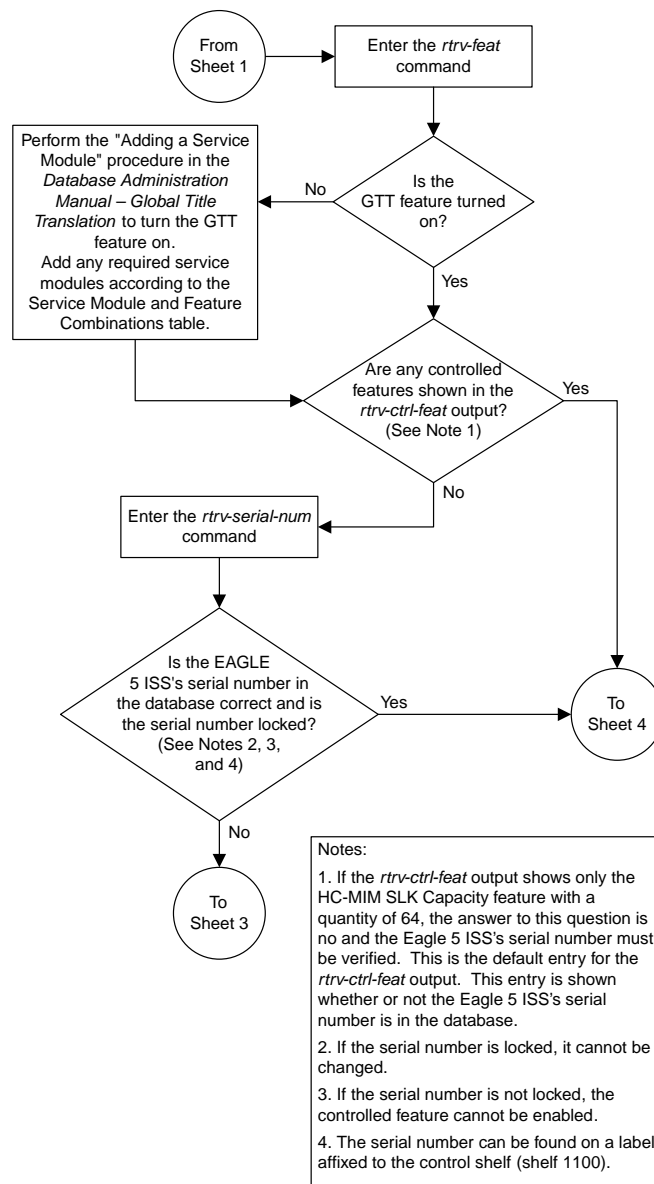


## Setting the Maximum Number of Gateway Screening Rejected Messages



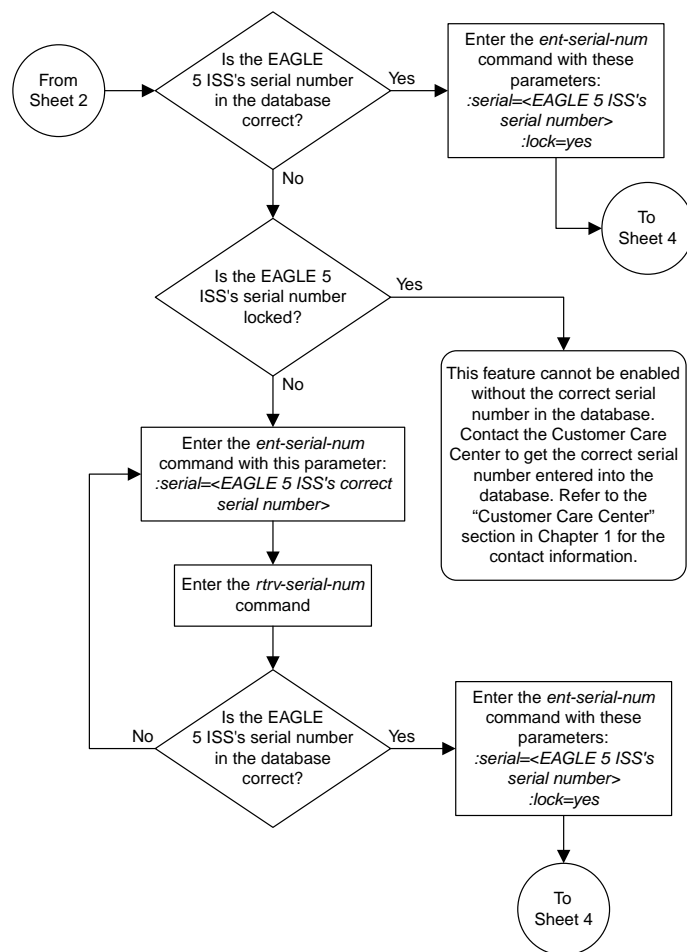
## Activating the MTP Routed GWS Stop Action Feature



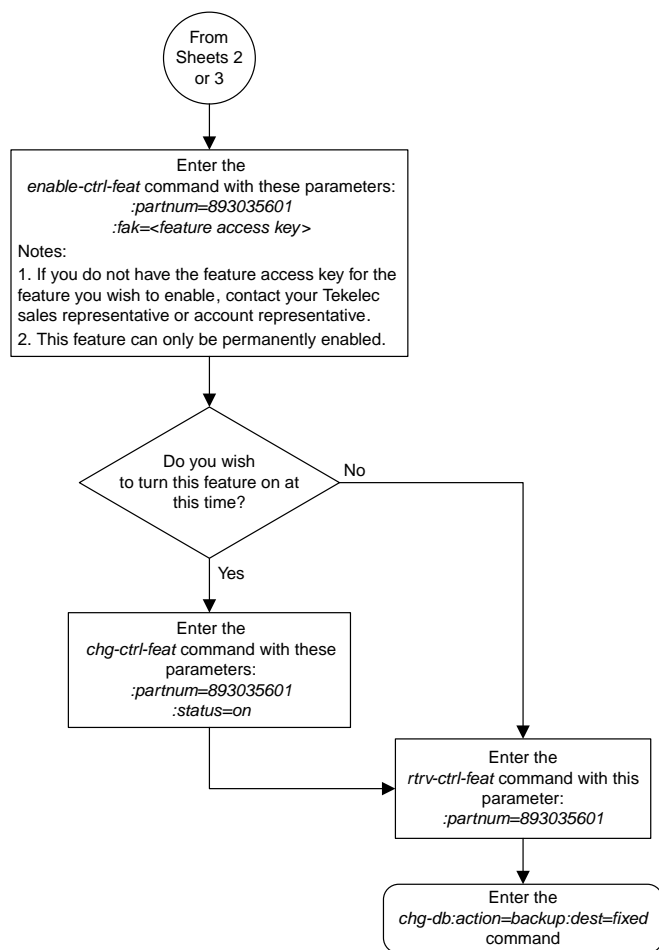


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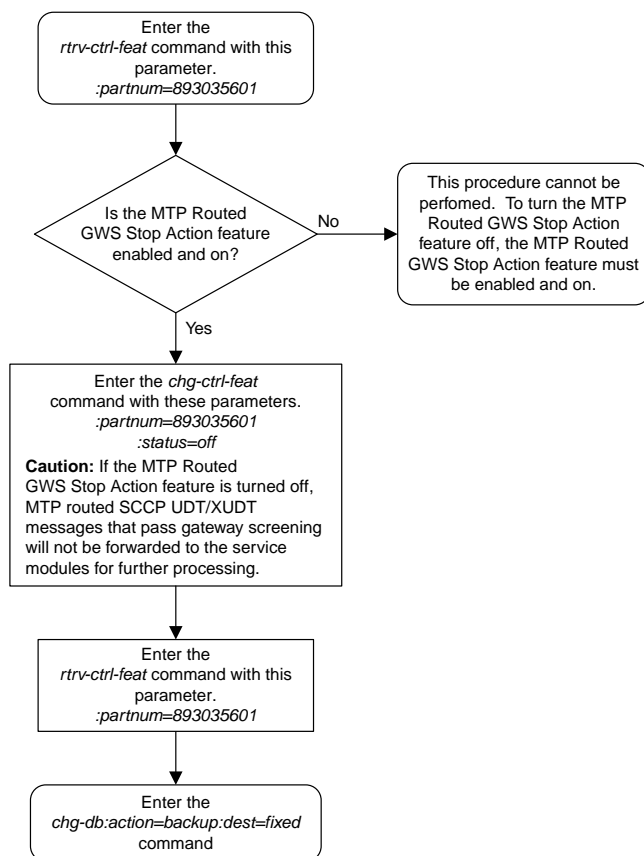




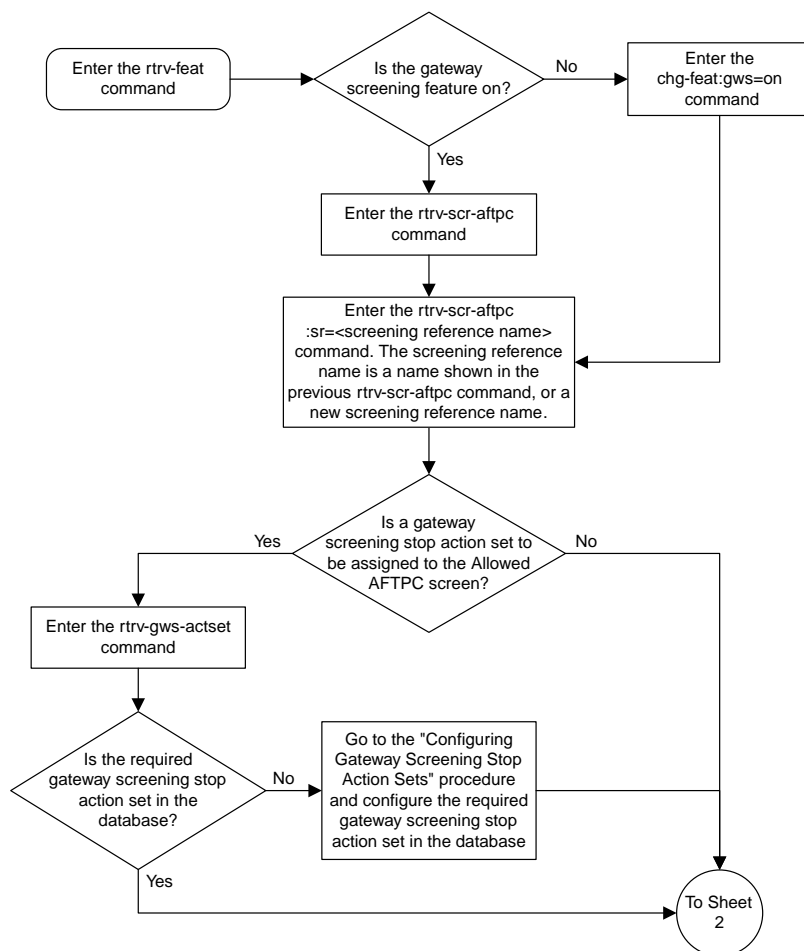
Sheet 3 of 4

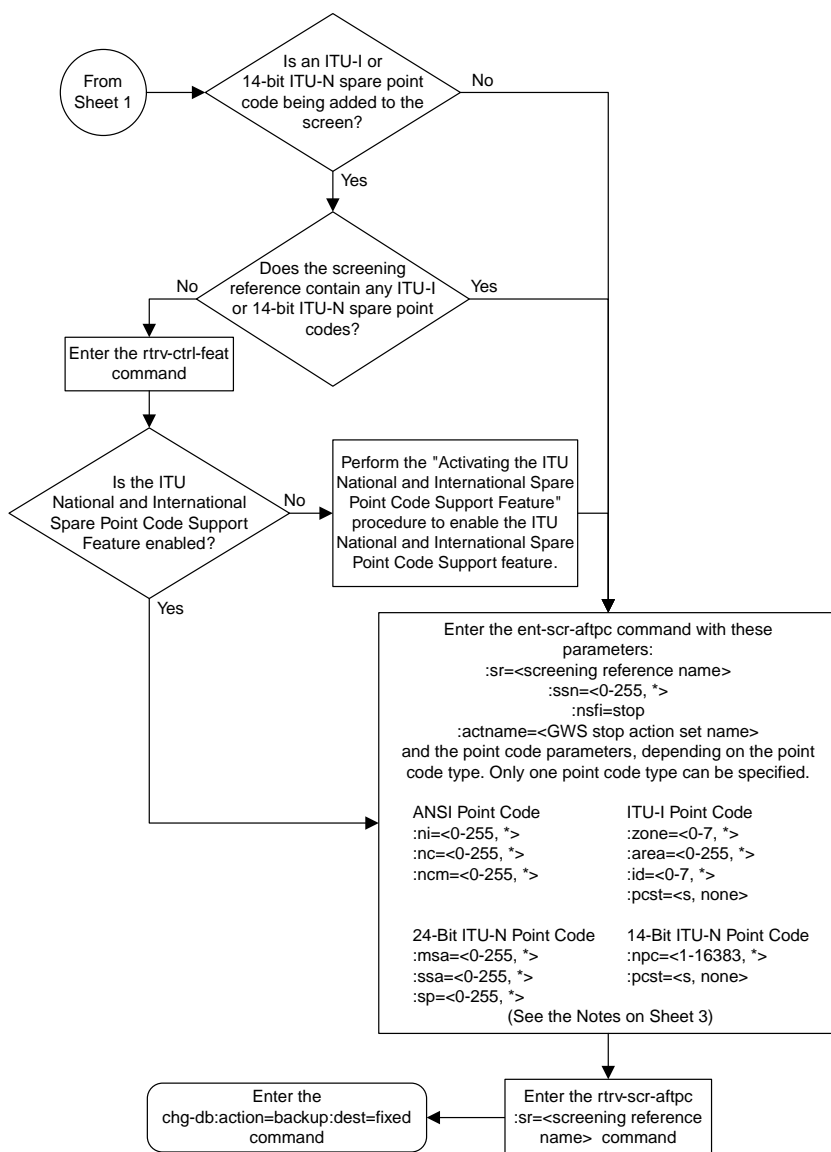


## Turning the MTP Routed GWS Stop Action Feature Off



## Adding an Allowed Affected Point Code Screen

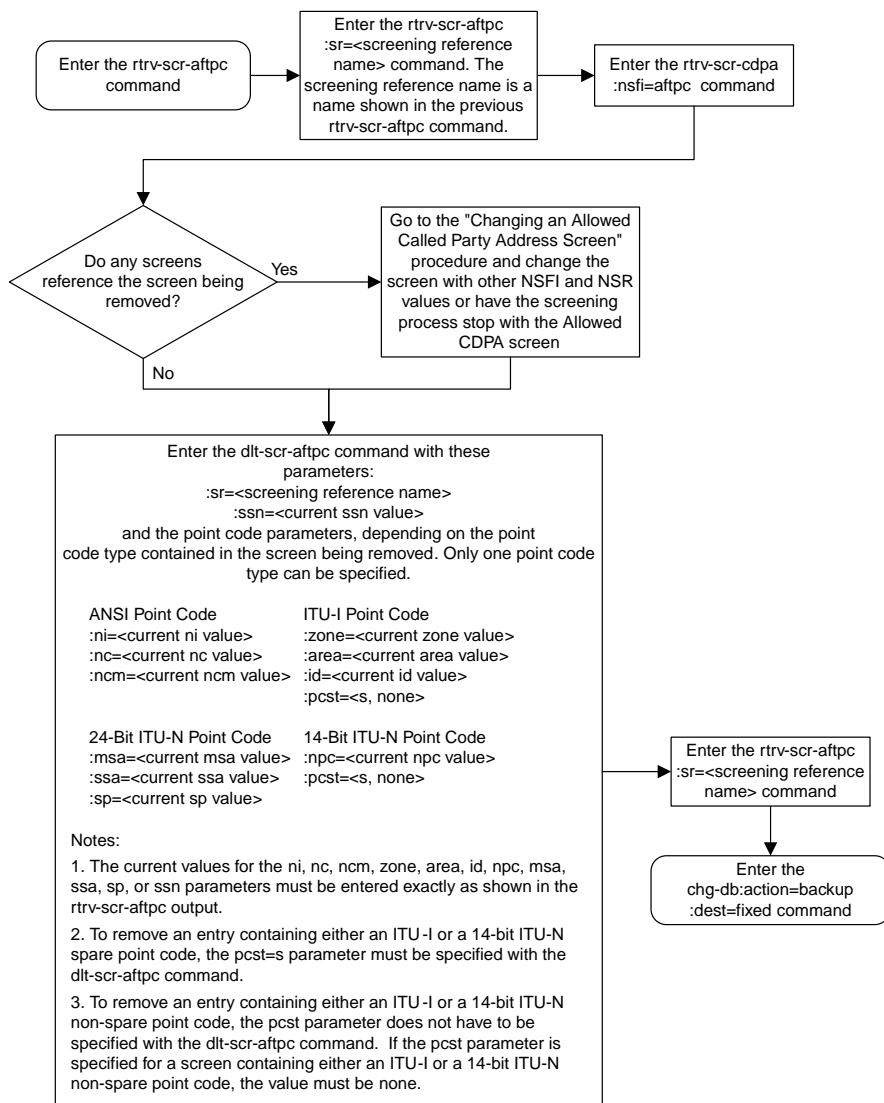




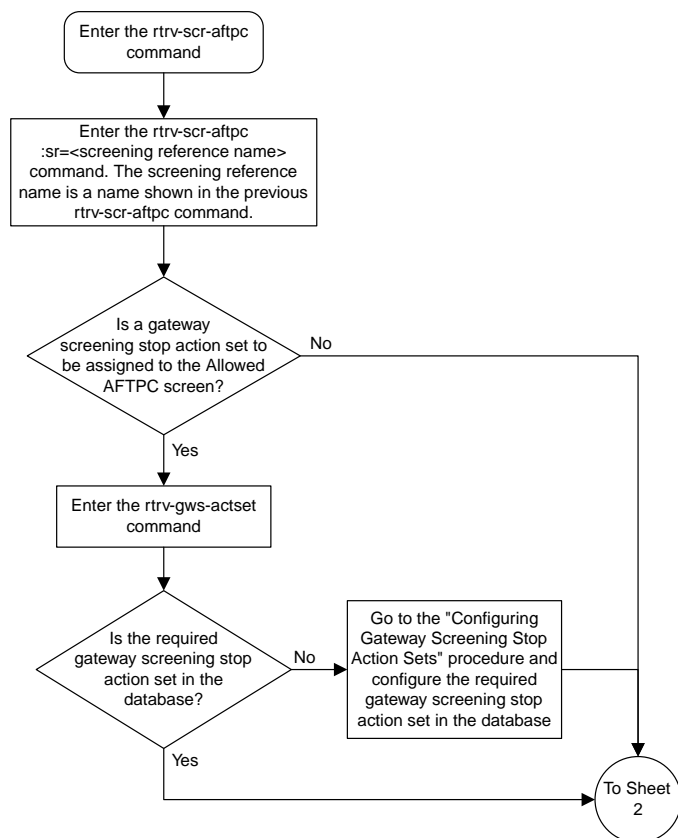
**Notes:**

1. A range of values can be specified for the ni, nc, or ncm parameters by inserting double ampersands (&&) between the parameter values defining the range. For example, to specify the range 025 to 200 for the ni parameter, enter 025&&200 for the ni parameter value.
2. The asterisk (\*) specifies the entire range of values for that parameter.  
For more information about specifying a range of values and about using the asterisk, see the "Gateway Screening Attributes" section and the "Specifying a Range of Values" section. The "Gateway Screening Attributes" section is in the *Database Administration Manual - Gateway Screening*. The "Specifying a Range of Values" section is in the "Adding an Allowed Affected Point Code Screen" procedure in the *Database Administration Manual - Gateway Screening*.
3. The actname parameter is optional. If the actname parameter is specified, the actname parameter value is one of the gateway screening stop action set names shown in the rtrv-gws-actset output on Sheet 1.
4. To add a non-spare point code, the pcst parameter does not have to be specified. If the pcst parameter is specified for a screen containing an ITU-I or 14-bit ITU-N non-spare point code, the value must be none.
5. To add a spare point code, the pcst=s parameter must be specified.

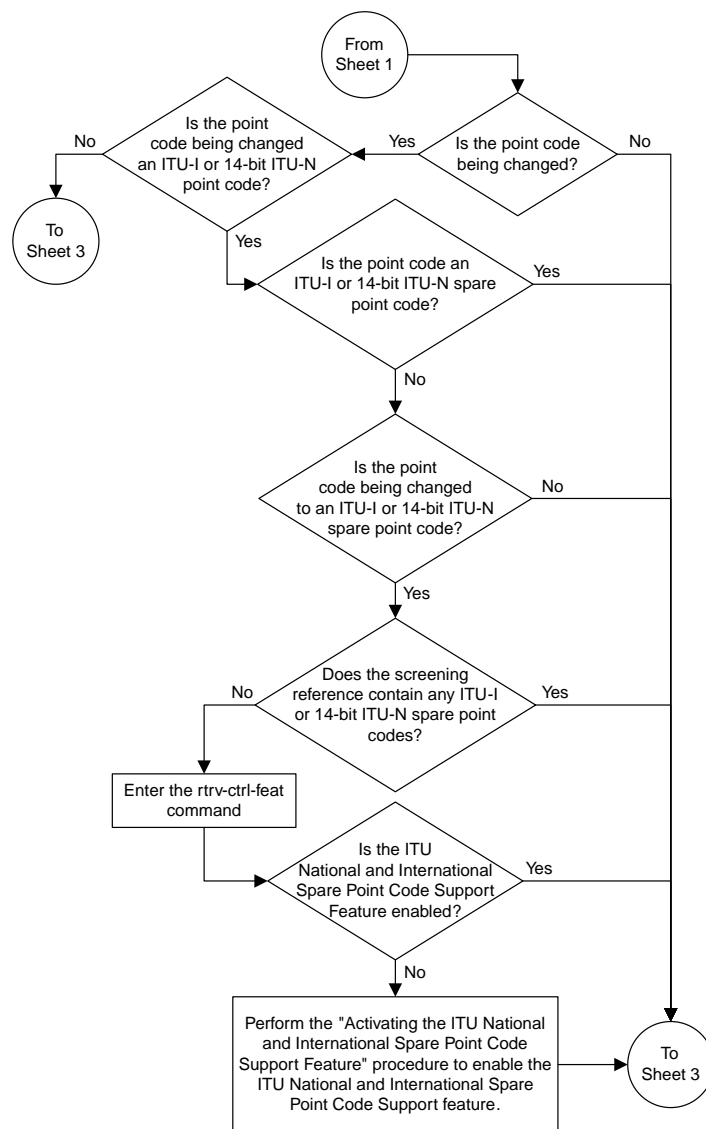
## Removing an Allowed Affected Point Code Screen



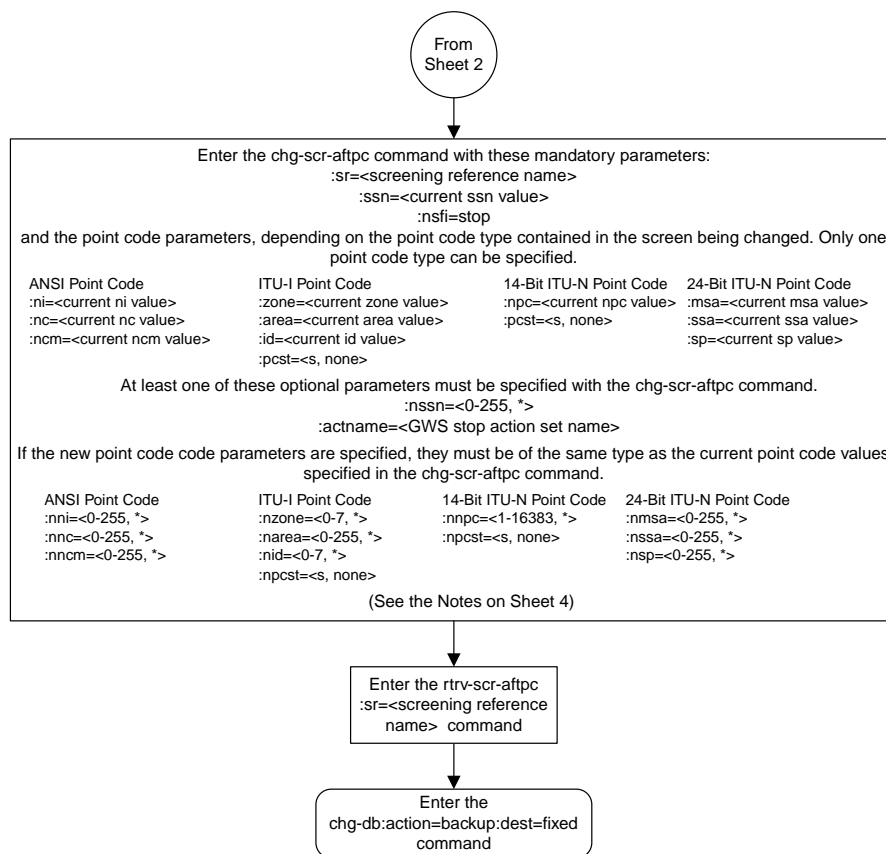
## Changing an Allowed Affected Point Code Screen







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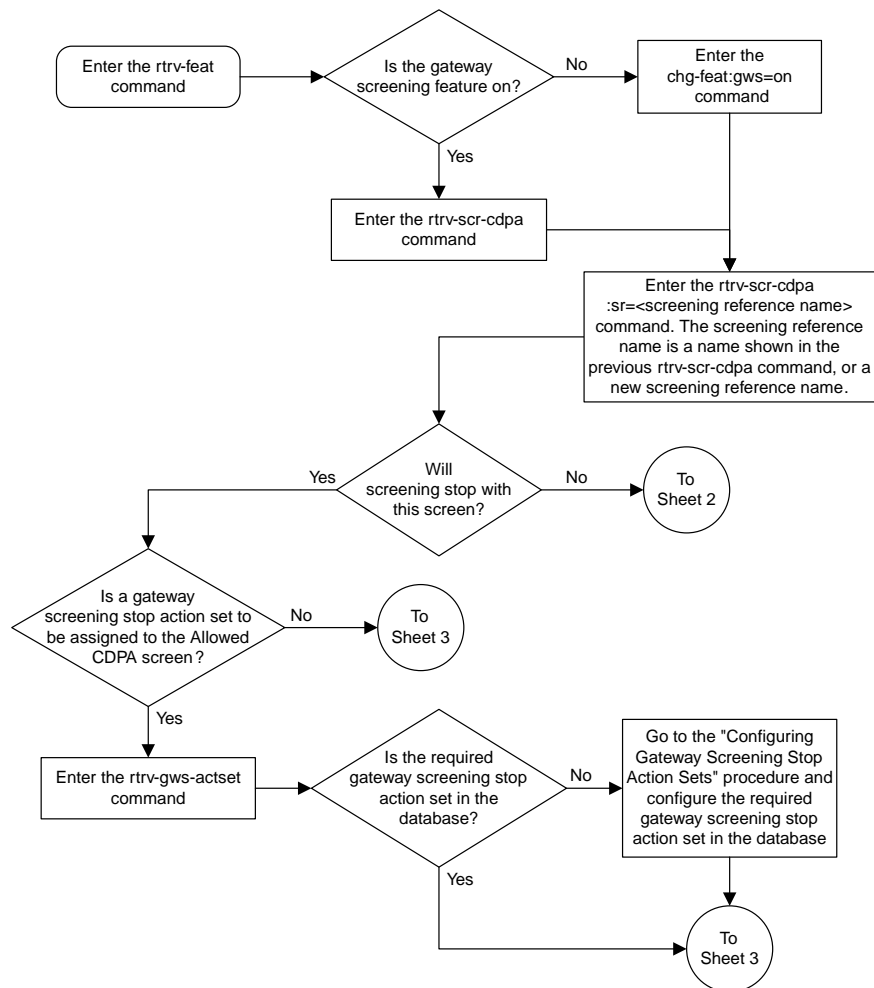


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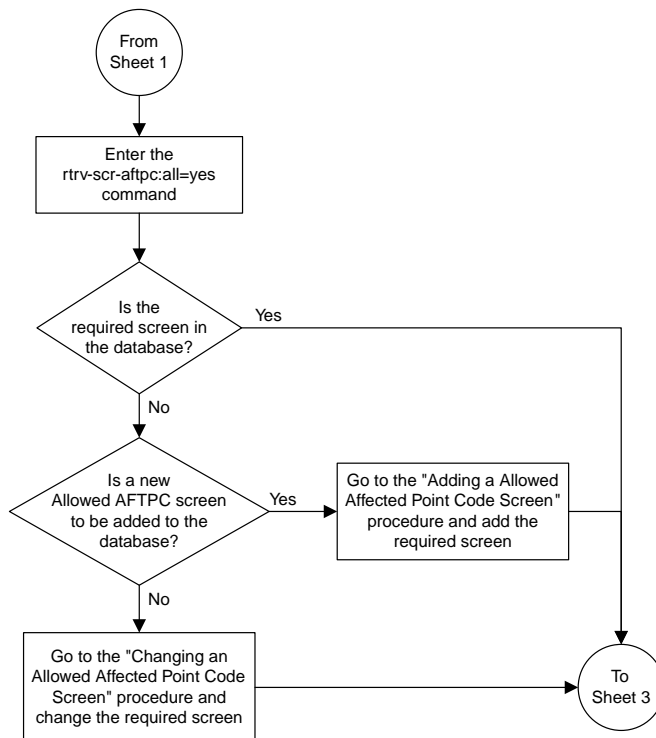
**Notes:**

1. A range of values can be specified for the ni, nc, or ncm parameters by inserting double ampersands (&&) between the parameter values defining the range. For example, to specify the range 025 to 200 for the ni parameter, enter 025&&200 for the ni parameter value.
2. The current values for the ni, nc, ncm, zone, area, id, or ssn parameters must be entered exactly as shown in the rtrv-scr-aftpc output.
3. The asterisk (\*) specifies the entire range of values for that parameter.  
For more information about specifying a range of values and about using the asterisk, see the "Gateway Screening Attributes" section and the "Specifying a Range of Values" section. The "Gateway Screening Attributes" section is in the *Database Administration Manual - Gateway Screening*. The "Specifying a Range of Values" section is in the "Changing an Allowed Affected Point Code Screen" procedure in the *Database Administration Manual - Gateway Screening*.
4. The actname parameter is optional. If the actname parameter is specified, the actname parameter value is one of the gateway screening stop action set names shown in the rtrv-gws-actset output on Sheet 1.
5. To change an ITU-I or 14-bit ITU-N spare point code to a non-spare point code, both the pcst=s and npcst=none parameters must be specified with the chg-scr-aftpc command.
6. To change an ITU-I or 14-bit ITU-N non-spare point code to a spare point code, the npcst=s parameter must be specified with the chg-scr-aftpc command. The pcst parameter does not have to be specified.
7. If the current point code in the screen being changed is either an ITU-I or 14-bit ITU-N spare point code, the pcst=s parameter must be specified with the chg-scr-aftpc command.
8. If the current point code in the screen being changed is either an ITU-I or 14-bit ITU-N non-spare point code, the pcst parameter does not have to be specified with the chg-scr-aftpc command. If the pcst parameter is specified for a screen containing either an ITU-I or 14-bit ITU-N non-spare point code, the pcst parameter value must be none.

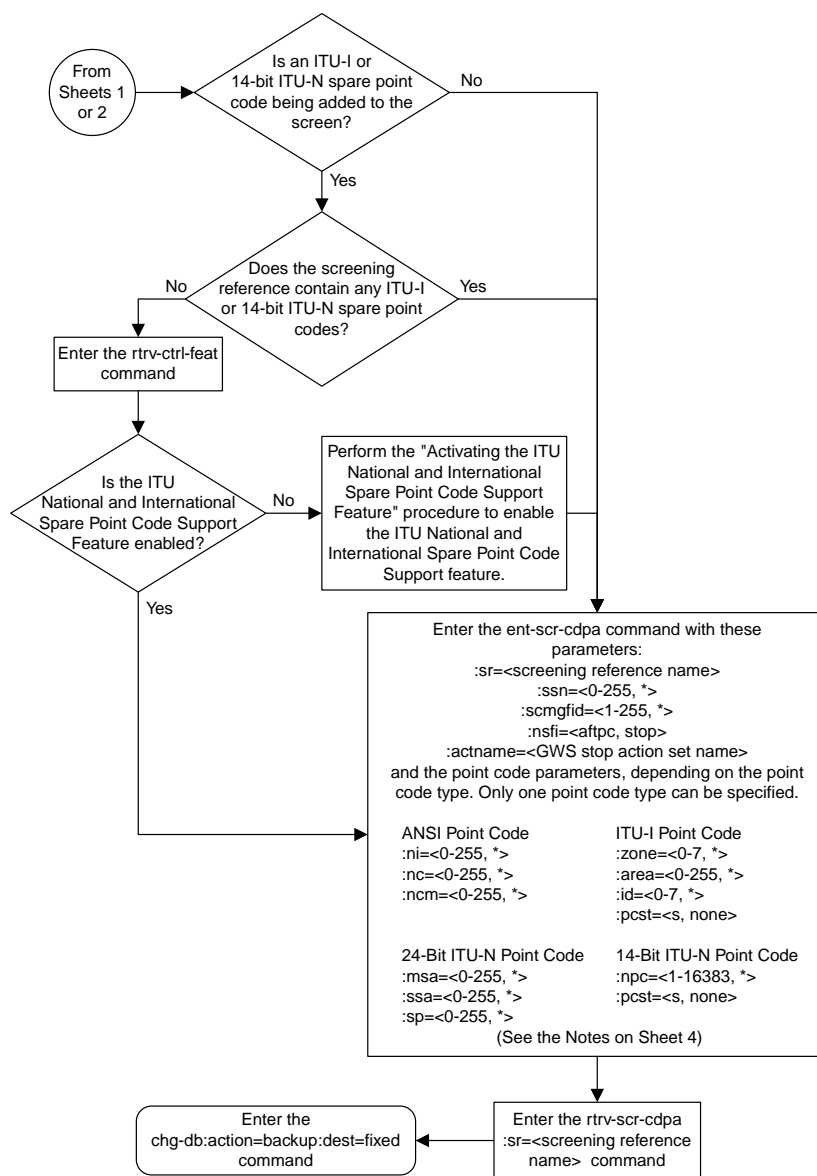
## Adding an Allowed Called Party Address Screen



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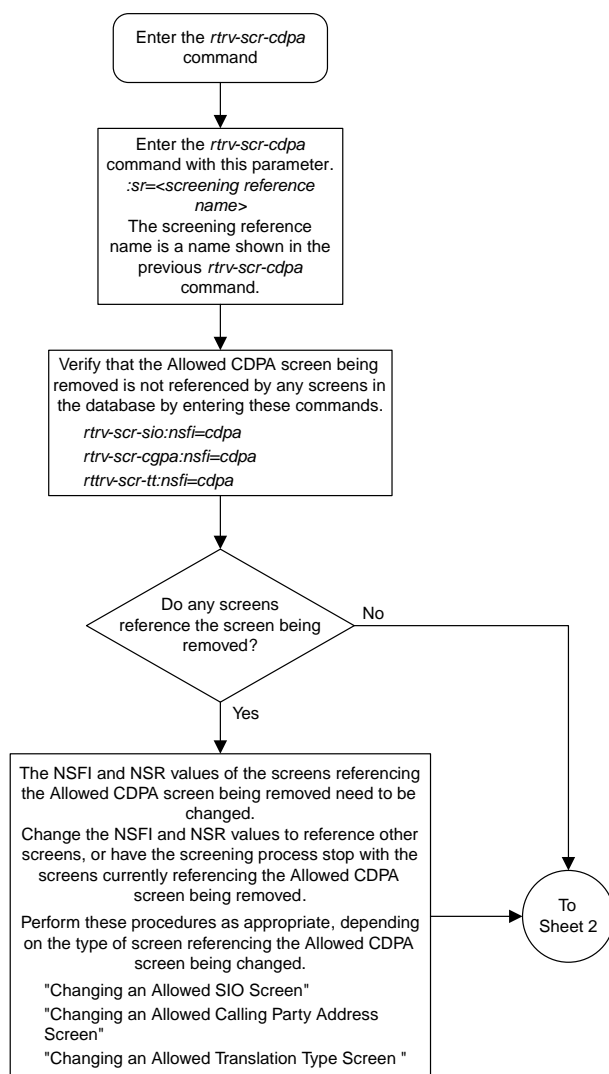
Sheet 2 of 4



**Notes:**

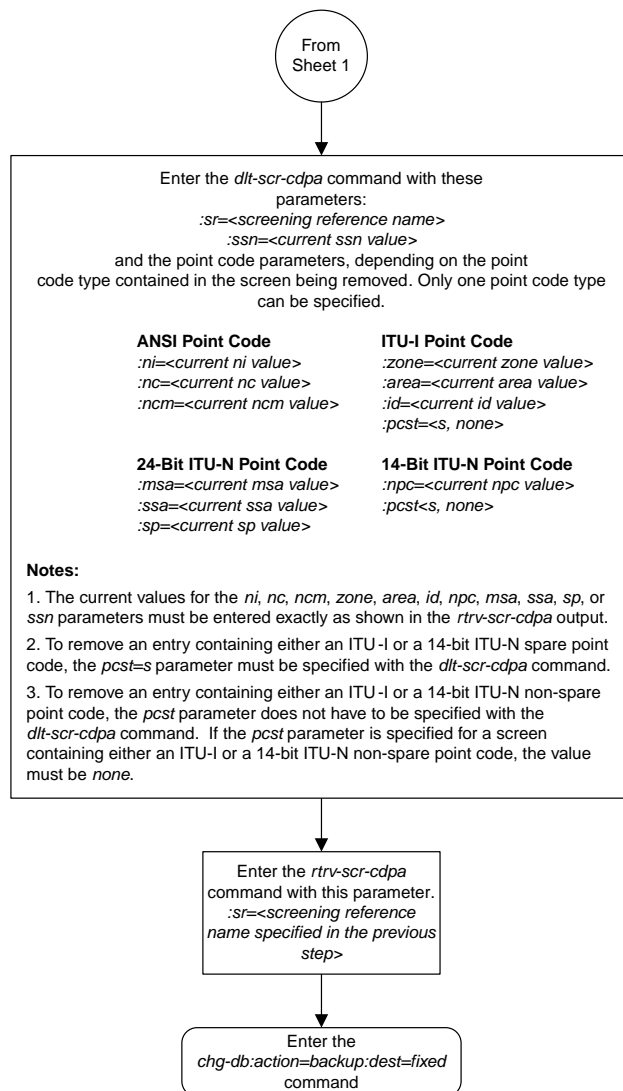
1. A range of values can be specified for the *ni*, *nc*, or *ncm* parameters by inserting double ampersands (&&) between the parameter values defining the range. For example, to specify the range 025 to 200 for the *ni* parameter, enter 025&&200 for the *ni* parameter value.
2. The asterisk (\*) specifies the entire range of values for that parameter.  
For more information about specifying a range of values and about using the asterisk, see the "Gateway Screening Attributes" section and the "Specifying a Range of Values" section. The "Gateway Screening Attributes" section is in the *Database Administration Manual - Gateway Screening*. The "Specifying a Range of Values" section is in the "Adding an Allowed Called Party Address Screen" procedure in the *Database Administration Manual - Gateway Screening*.
3. The *scmgfid* parameter can be specified only if the *ssn=1* parameter is specified. If either the *ssn=1* or *scmgfid* parameter is specified, the other parameter must be specified. The *scmgfid* parameter cannot be specified if the *ssn* parameter value is 0, 2 through 255, or \*.
4. To specify the *nsfi=atpc* parameter, the *ssn* parameter value must be 1.
5. If the *ssn* parameter value is 0, 2 through 255, or \*, the *nsfi* parameter value must be *stop*.
6. If the *ssn* parameter value is 1, the *nsfi* parameter value can be *atpc* or *stop*.
7. The *nsr* parameter can be specified only, and must be specified, if the *nsfi=atpc* parameter is specified.
8. The *actname* parameter can be specified only if the *nsfi=stop* parameter is specified. The *actname* parameter is optional. If the *actname* parameter is specified, the *actname* parameter value is one of the gateway screening stop action set names shown in the *rtrv-gws-actset* output on Sheet 1.
9. To add a non-spare point code, the *pcst* parameter does not have to be specified. If the *pcst* parameter is specified for a screen containing an ITU-I or 14-bit ITU-N non-spare point code, the value must be *none*.
10. To add a spare point code, the *pcst=s* parameter must be specified.

## Removing an Allowed Called Party Address Screen

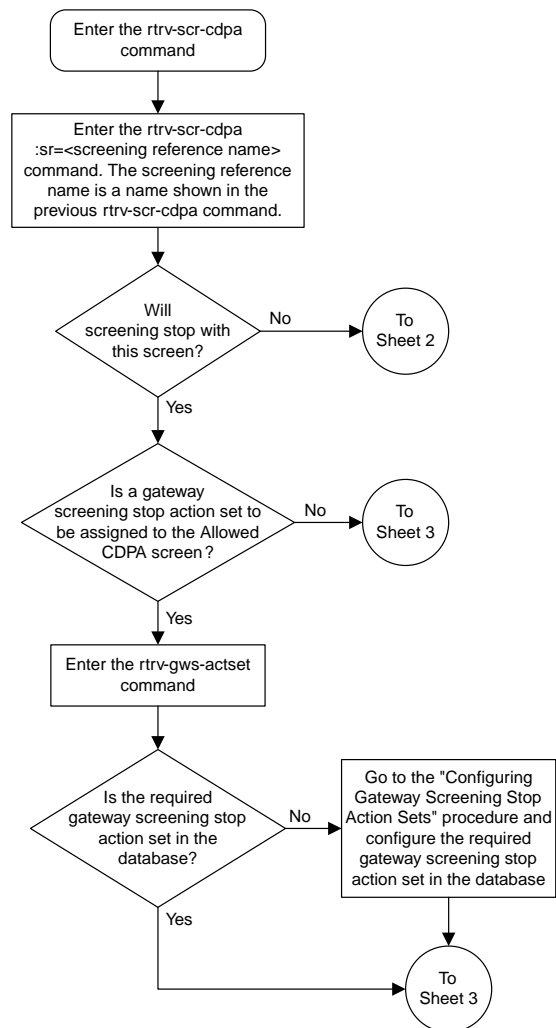


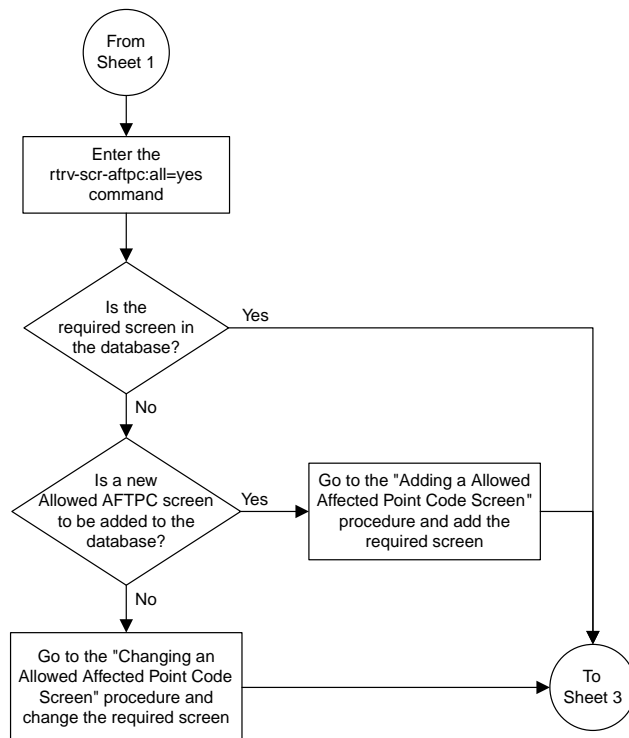
Sheet 1 of 2



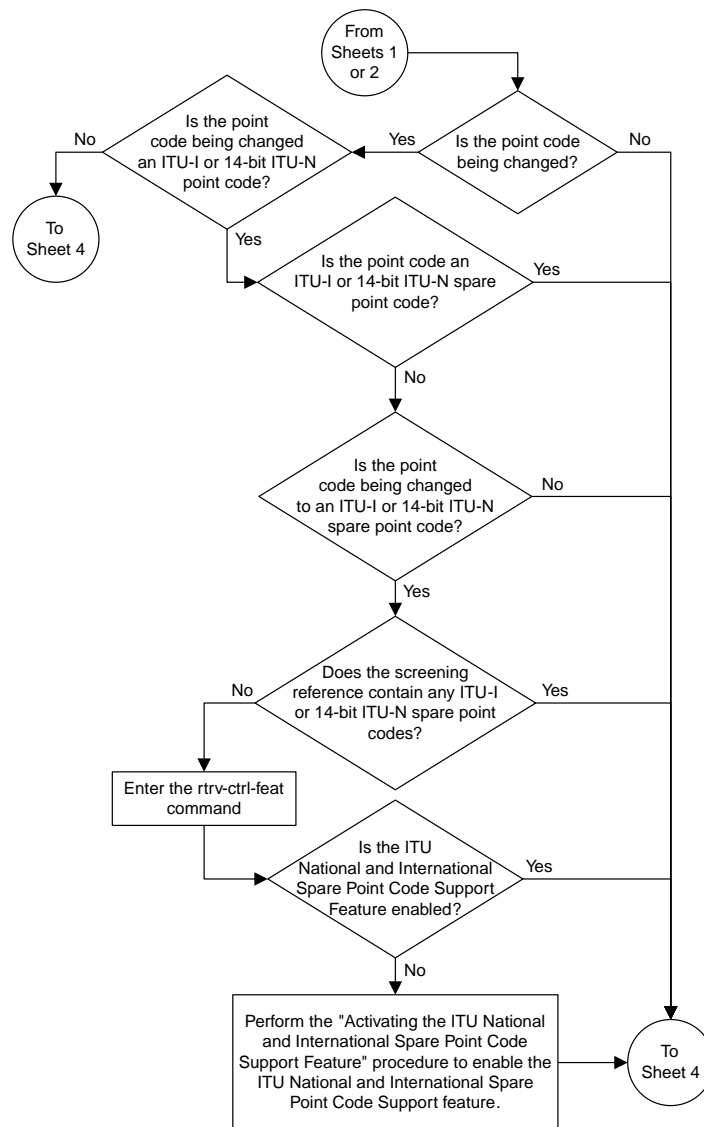


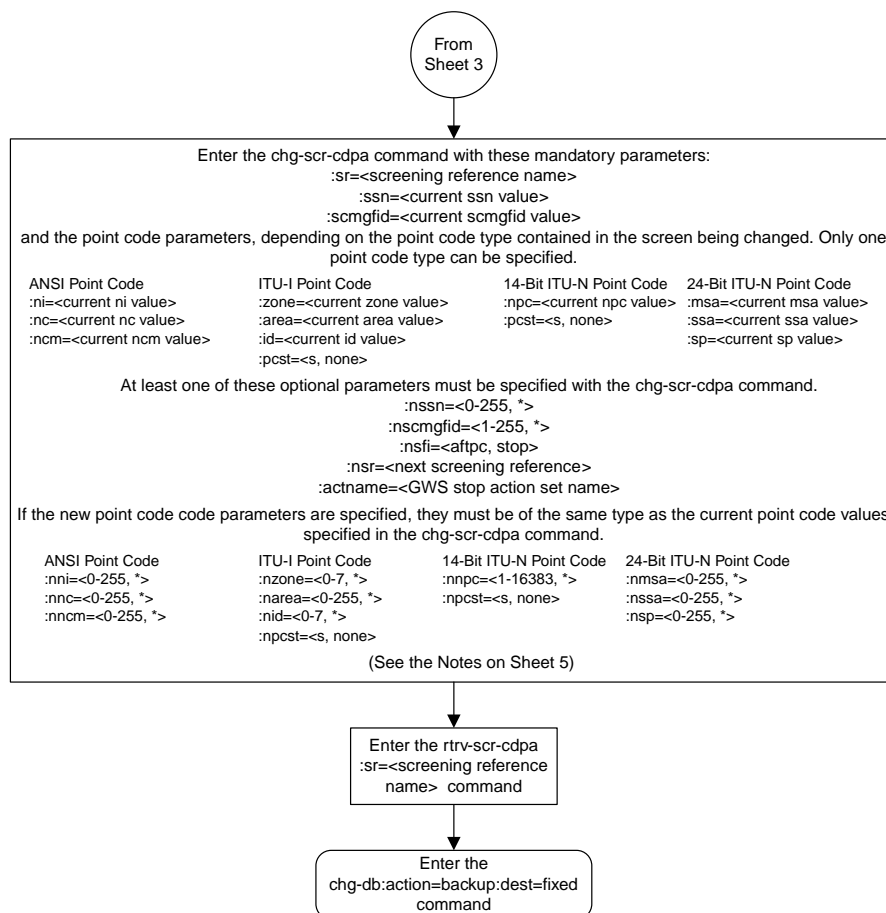
## Changing an Allowed Called Party Address Screen





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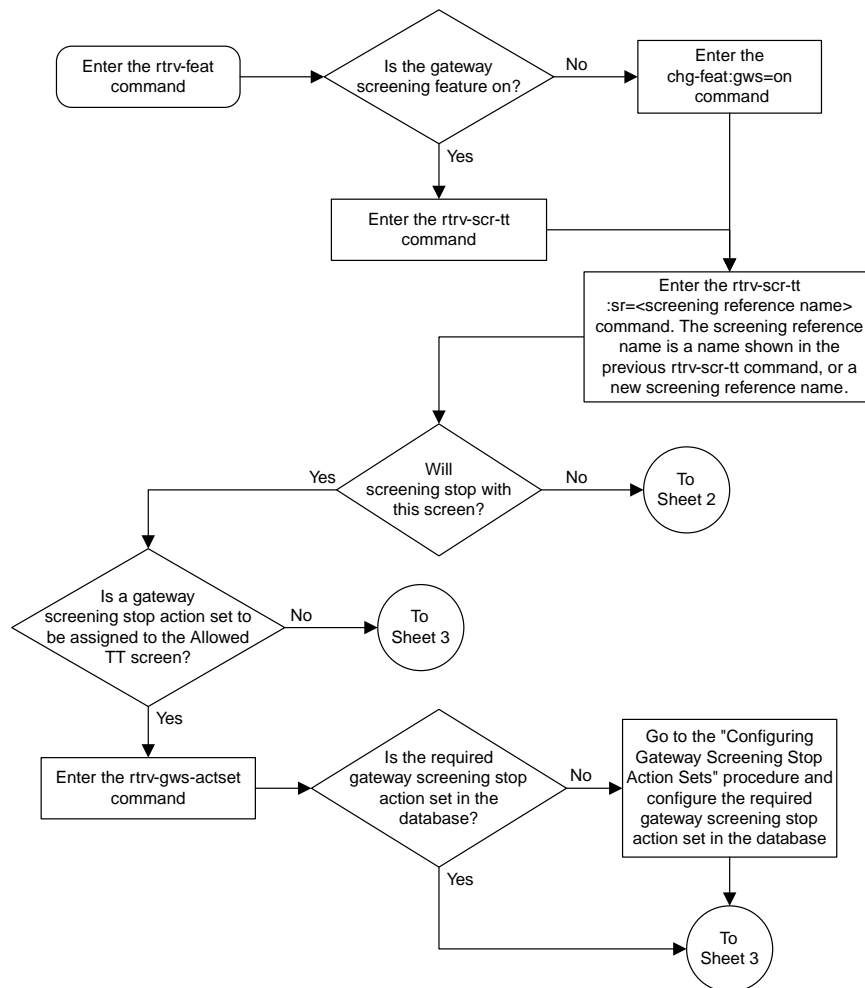




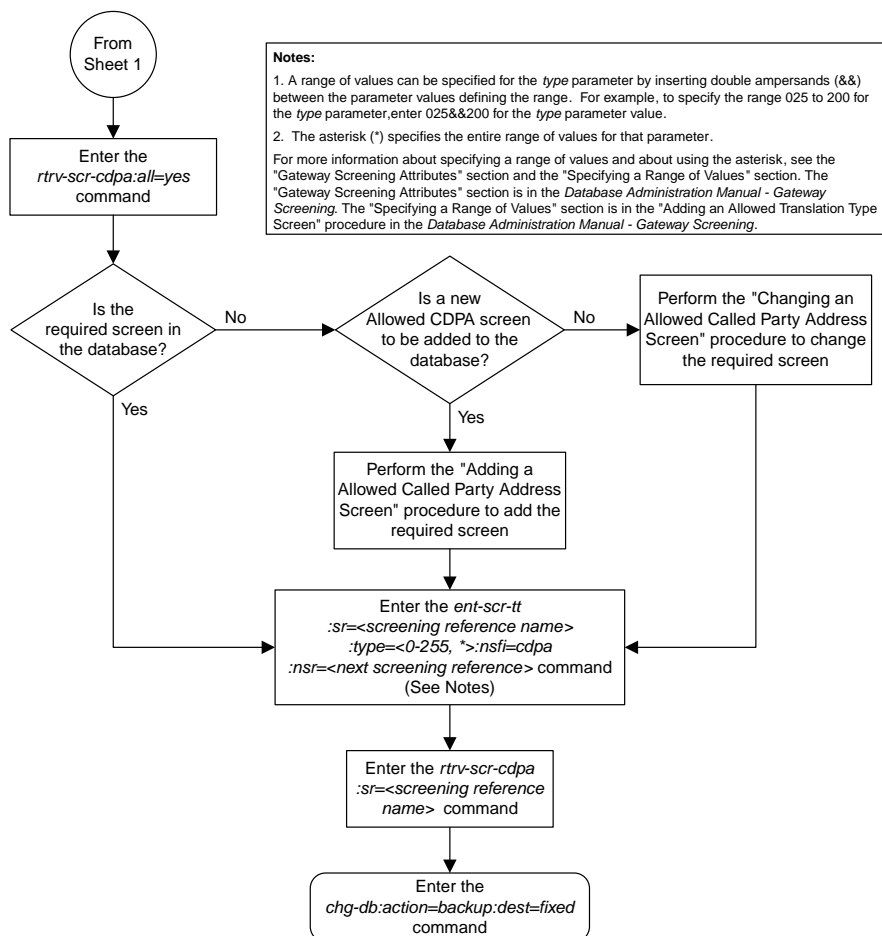
**Notes:**

1. A range of values can be specified for the *nni*, *nnc*, or *nncm* parameters by inserting double ampersands (&&) between the parameter values defining the range. For example, to specify the range 025 to 200 for the *nni* parameter, enter 025&&200 for the *nni* parameter value.
  2. The asterisk (\*) specifies the entire range of values for that parameter.
- For more information about specifying a range of values and about using the asterisk, see the "Gateway Screening Attributes" section and the "Specifying a Range of Values" section. The "Gateway Screening Attributes" section is in the *Database Administration Manual - Gateway Screening*. The "Specifying a Range of Values" section is in the "Changing an Allowed Called Party Address Screen" procedure in the *Database Administration Manual - Gateway Screening*.
3. The *nscmgfid* parameter can be specified only if the *ssn* parameter value (if unchanged) or the *nssn* parameter value is 1. If either the *nssn=1* or *nscmgfid* parameter is specified, the other parameter must be specified. The *nscmgfid* parameter cannot be specified if the *ssn* parameter value is 0, 2 through 255, or \*.
  4. To specify the *nsfi=afipc* parameter, the *ssn* parameter value (if unchanged) or the *nssn* parameter value must be 1.
  5. If the *ssn* parameter value (if unchanged) or the *nssn* parameter value is 0, 2 through 255, or \*, the *nsfi* parameter value must be *stop*.
  6. If the *ssn* parameter value (if unchanged) or the *nssn* parameter value is 1, the *nsfi* parameter value can be either *afipc* or *stop*.
  7. The *nsr* parameter can be specified only, and must be specified, if the *nsfi=afipc* parameter is specified.
  8. The *actname* parameter can be specified only if the *nsfi* value is *stop* (either the current *nsfi* value is *stop* and not being changed, or the *nsfi* value is being changed to *stop*). The *actname* parameter is optional. If the *actname* parameter is specified, the *actname* parameter value is one of the gateway screening stop action set names shown in the *rtrv-gws-actset* output on Sheet 1.
  9. The current values for the *ni*, *nc*, *nmc*, *zone*, *area*, *id*, *npc*, *msa*, *ssa*, *sp*, or *ssn* parameters must be entered exactly as shown in the *rtrv-scr-cdpa* output. If dashes are shown for the *scmgfid* parameter, the *scmgfid* parameter cannot be specified with the *chg-scr-cdpa* command.
  10. To change an ITU-I or 14-bit ITU-N spare point code to a non-spare point code, both the *pcst=s* and *npcst=none* parameters must be specified with the *chg-scr-cdpa* command.
  11. To change an ITU-I or 14-bit ITU-N non-spare point code to a spare point code, the *npcst=s* parameter must be specified with the *chg-scr-cdpa* command. The *pcst* parameter does not have to be specified.
  12. If the current point code in the screen being changed is either an ITU-I or 14-bit ITU-N spare point code, the *pcst=s* parameter must be specified with the *chg-scr-cdpa* command.
  13. If the current point code in the screen being changed is either an ITU-I or 14-bit ITU-N non-spare point code, the *pcst* parameter does not have to be specified with the *chg-scr-cdpa* command. If the *pcst* parameter is specified for a screen containing either an ITU-I or 14-bit ITU-N non-spare point code, the *pcst* parameter value must be *none*.

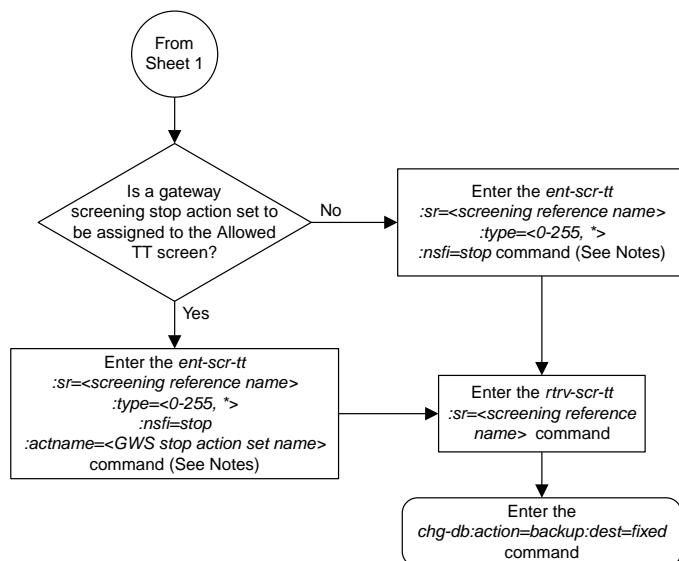
## Adding an Allowed Translation Type Screen



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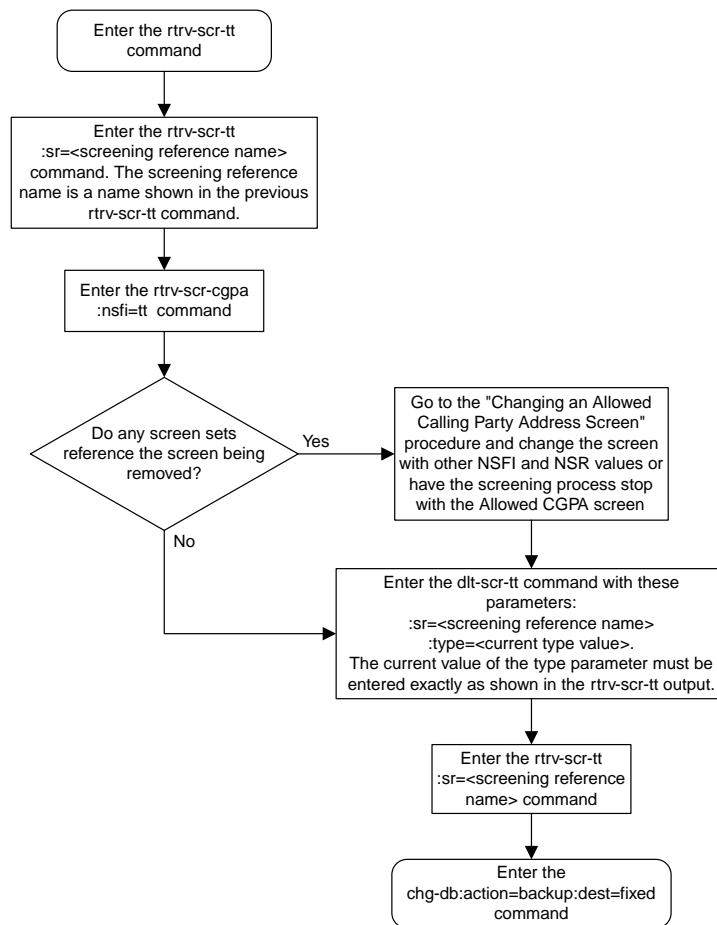
**Notes:**

1. A range of values can be specified for the *type* parameter by inserting double ampersands (&&) between the parameter values defining the range. For example, to specify the range 025 to 200 for the *type* parameter, enter 025&&200 for the *type* parameter value.

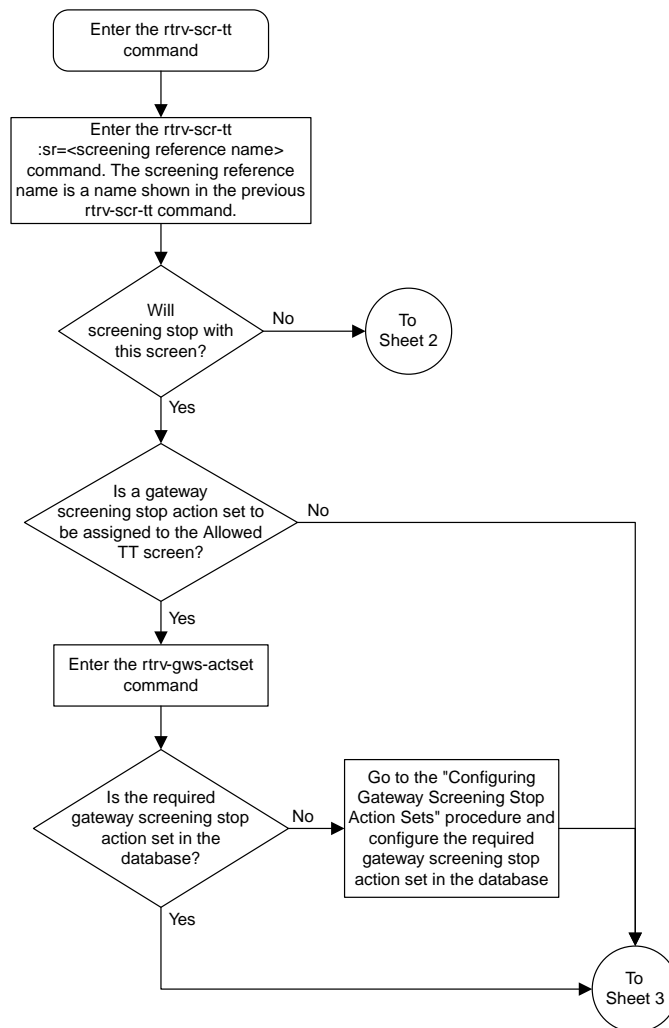
2. The asterisk (\*) specifies the entire range of values for that parameter.

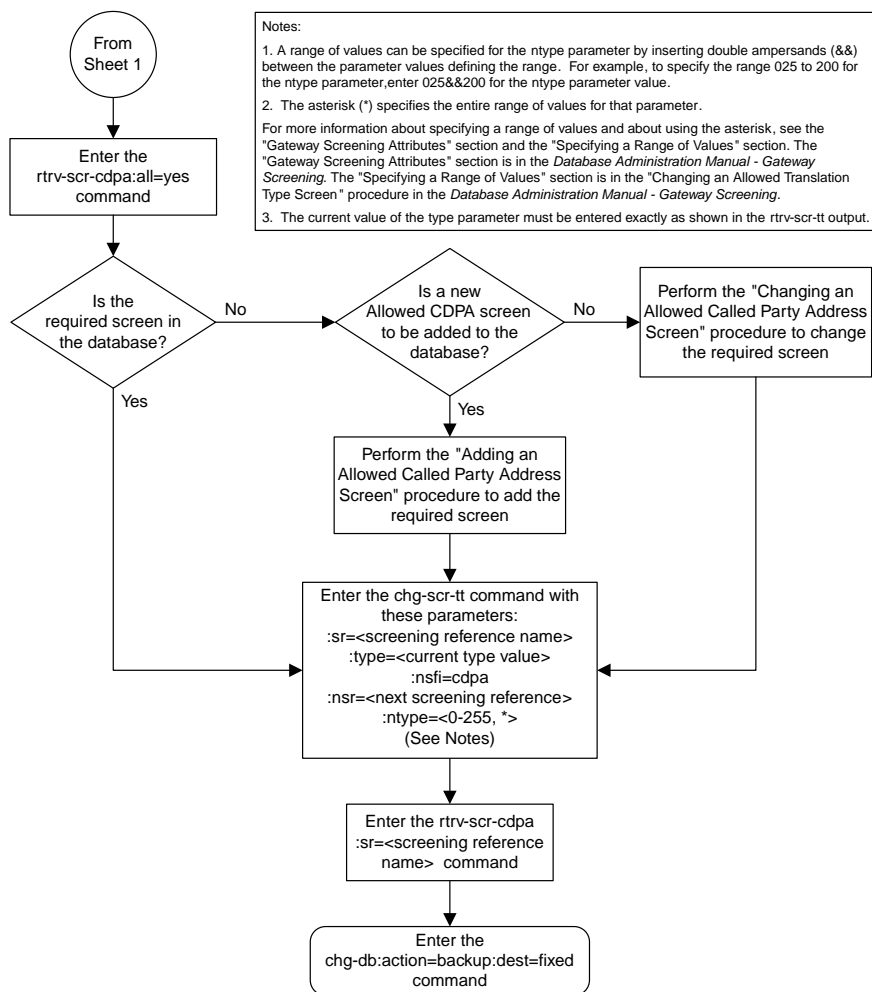
For more information about specifying a range of values and about using the asterisk, see the "Gateway Screening Attributes" section and the "Specifying a Range of Values" section. The "Gateway Screening Attributes" section is in the *Database Administration Manual - Gateway Screening*. The "Specifying a Range of Values" section is in the "Adding an Allowed Translation Type Screen" procedure in the *Database Administration Manual - Gateway Screening*.

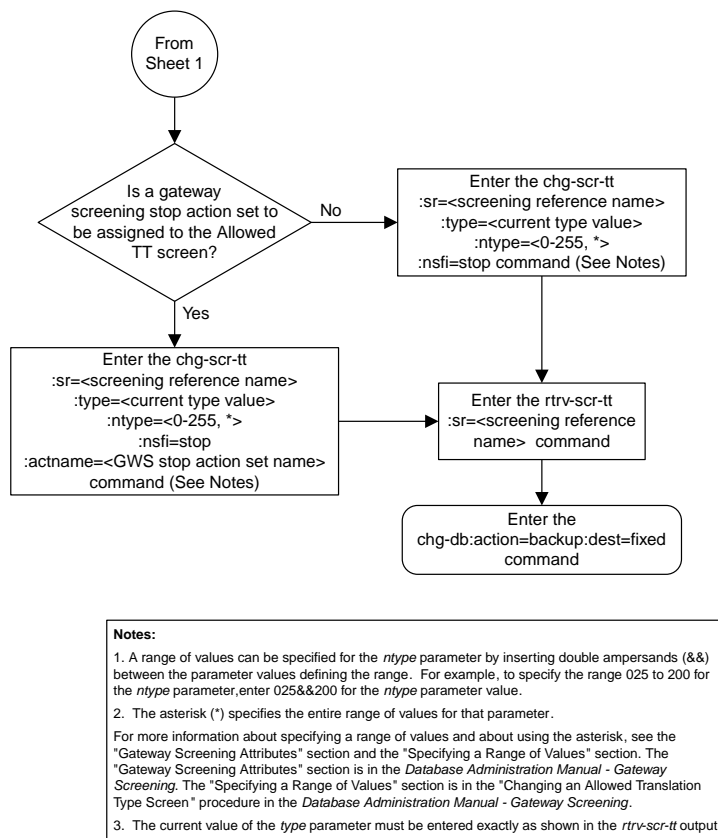
## Removing an Allowed Translation Type Screen



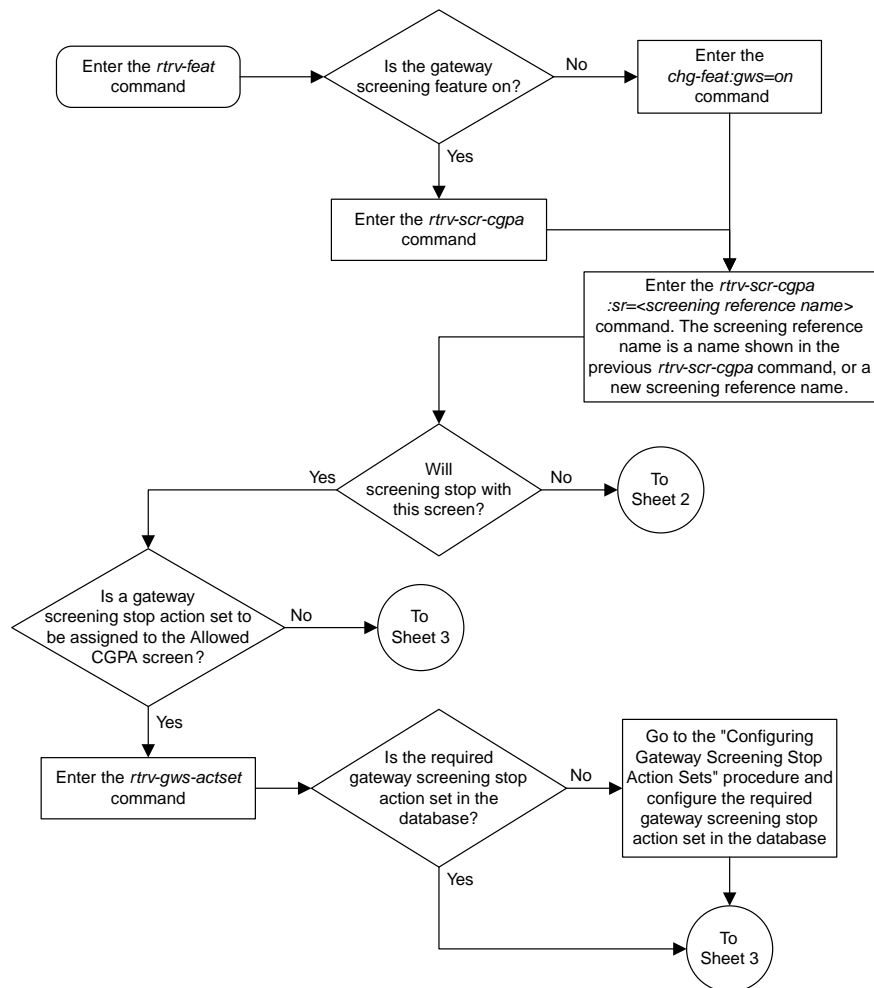
## Changing an Allowed Translation Type Screen



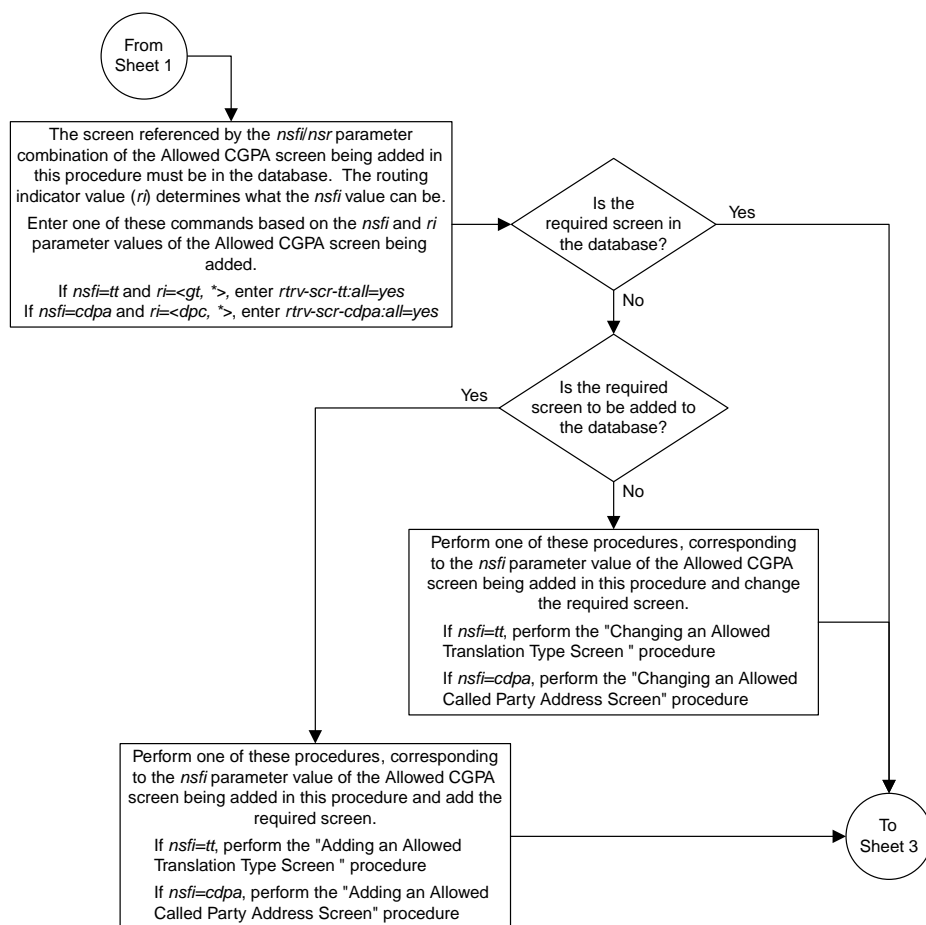




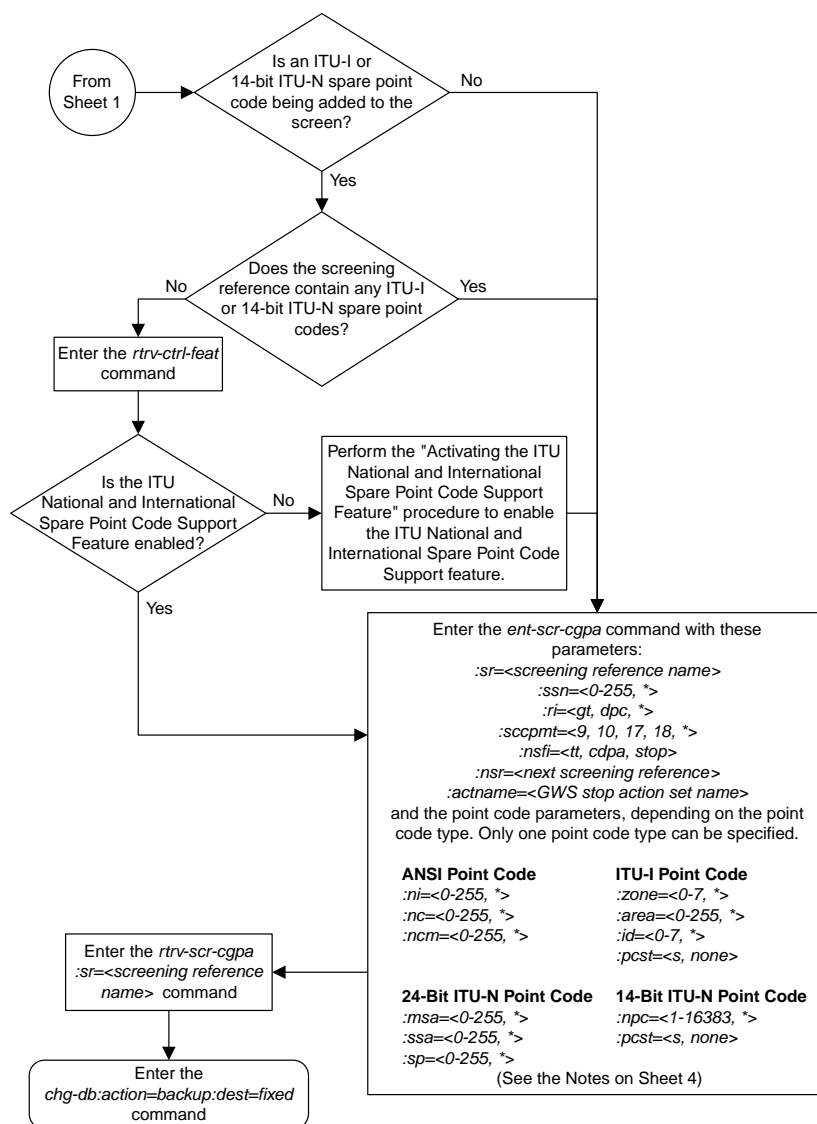
## Adding an Allowed Calling Party Address Screen



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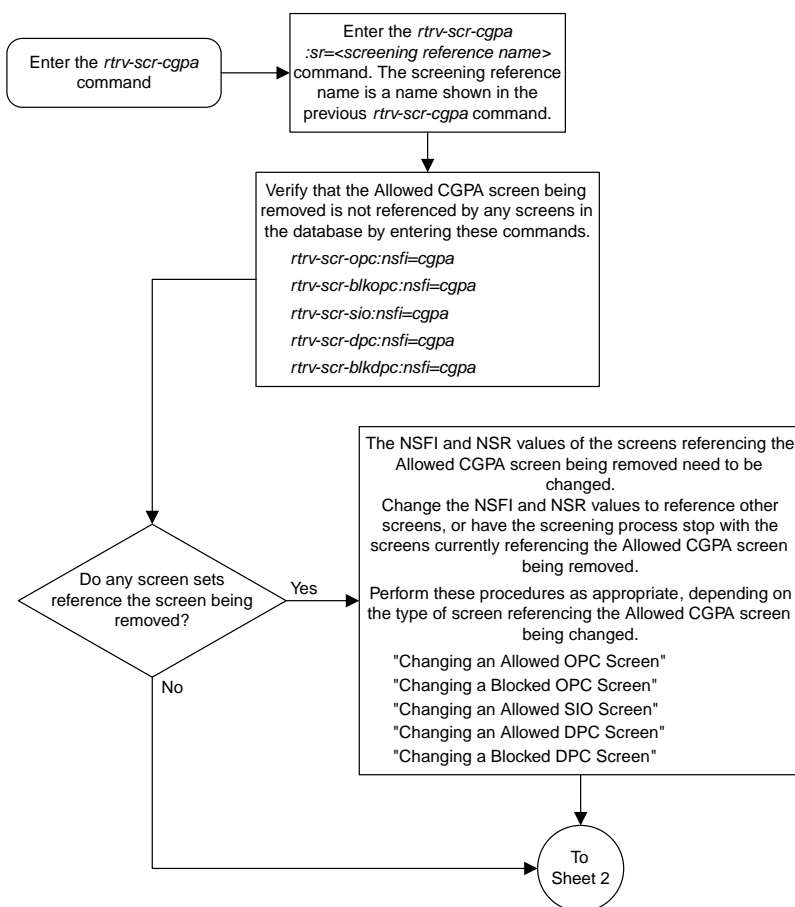


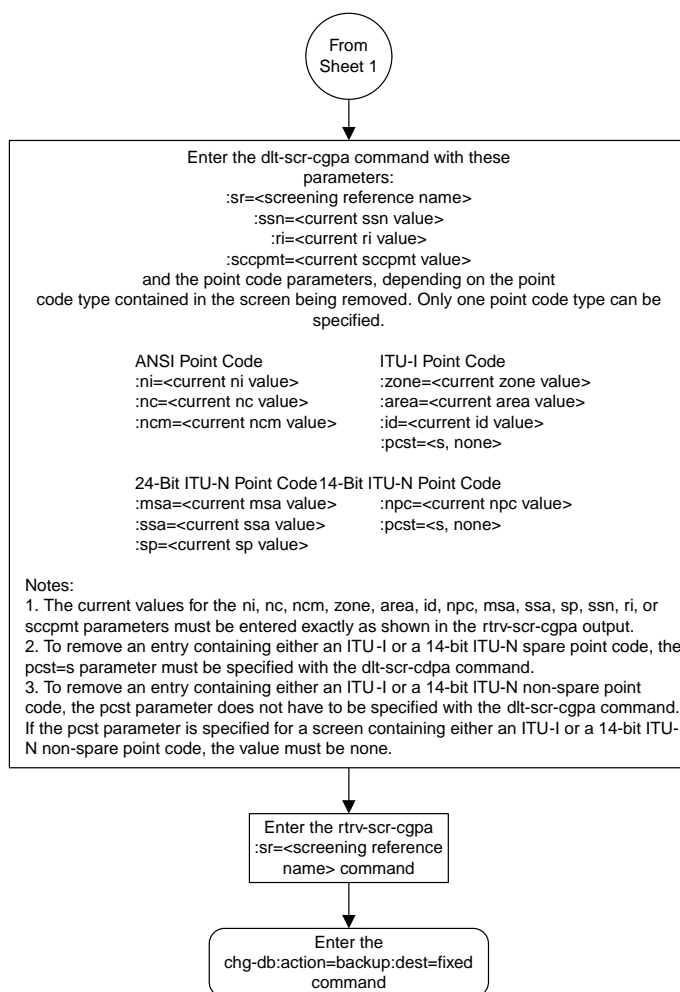


**Notes:**

1. A range of values can be specified for the *ni*, *nc*, or *ncm* parameters by inserting double ampersands (&&) between the parameter values defining the range. For example, to specify the range 025 to 200 for the *ni* parameter, enter 025&&200 for the *ni* parameter value.
2. The asterisk (\*) specifies the entire range of values for that parameter.  
For more information about specifying a range of values and about using the asterisk, see the "Gateway Screening Attributes" section and the "Specifying a Range of Values" section. The "Gateway Screening Attributes" section is in the *Database Administration Manual - Gateway Screening*. The "Specifying a Range of Values" section is in the "Adding an Allowed Calling Party Address Screen" procedure in the *Database Administration Manual - Gateway Screening*.
3. If the *sccpmt* parameter is not specified, an asterisk will be entered as the value for the *sccpmt* parameter.
4. To specify the *nsfi=tt* parameter, the *ri* parameter value must be *gt* or *\**.
5. To specify the *nsfi=cdpa* parameter, the *ri* parameter value must be *dpc* or *\**.
6. The *nsr* parameter can be specified only, and must be specified, if the *nsfi=tt* or *nsfi=cdpa* parameters are specified.
7. The *actname* parameter can be specified only if the *nsfi=stop* parameter is specified. The *actname* parameter is optional. If the *actname* parameter is specified, the *actname* parameter value is one of the gateway screening stop action set names shown in the *rtrv-gws-actset* output on Sheet 1.
8. To add a non-spare point code, the *pcst* parameter does not have to be specified. If the *pcst* parameter is specified for a screen containing an ITU-I or 14-bit ITU-N non-spare point code, the value must be *none*.
9. To add a spare point code, the *pcst=s* parameter must be specified.

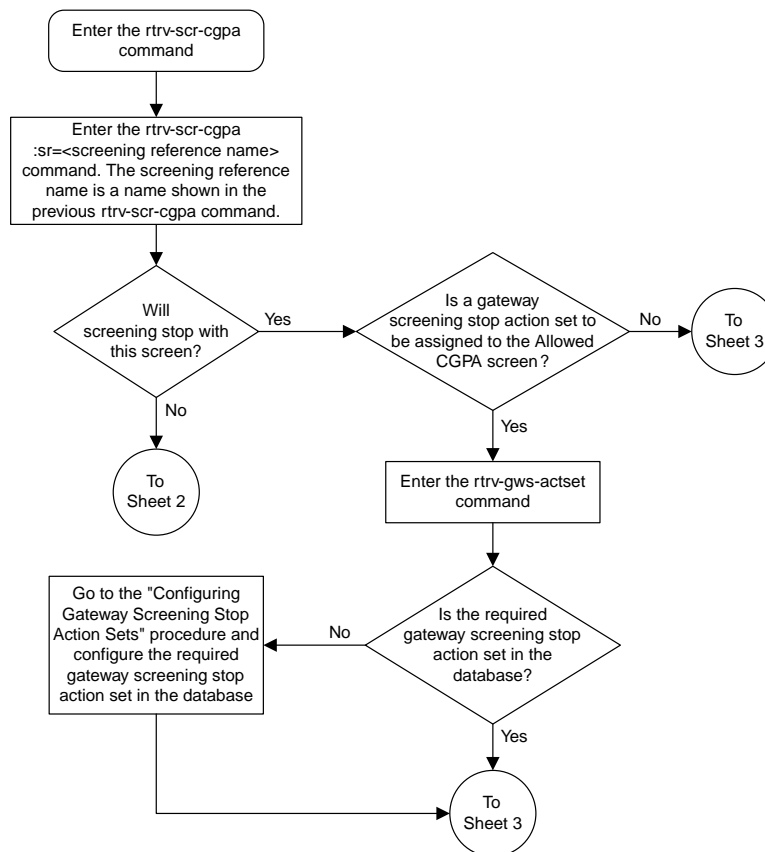
## Removing an Allowed Calling Party Address Screen



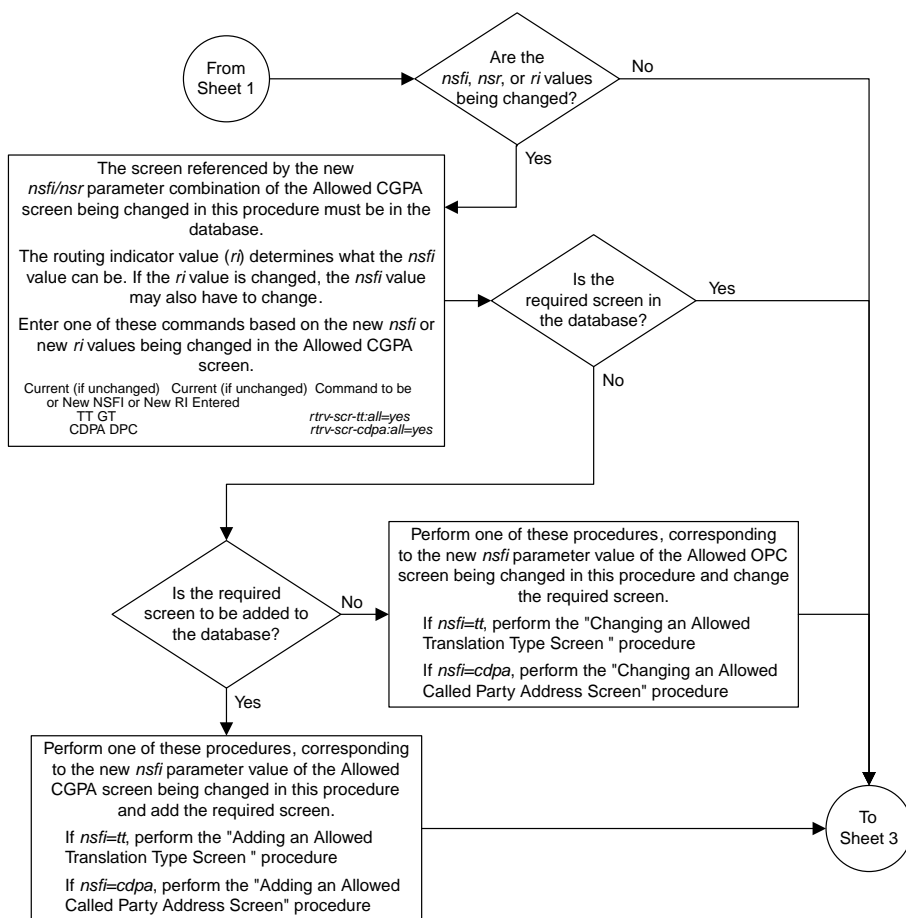


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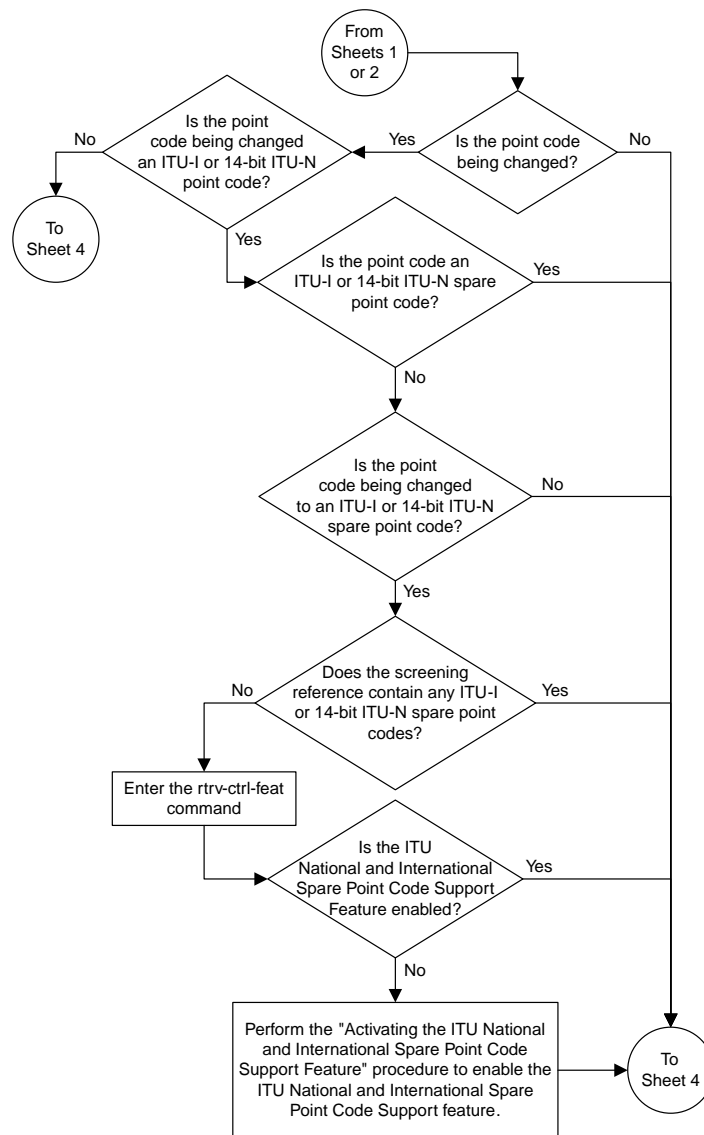
## Changing an Allowed Calling Party Address Screen

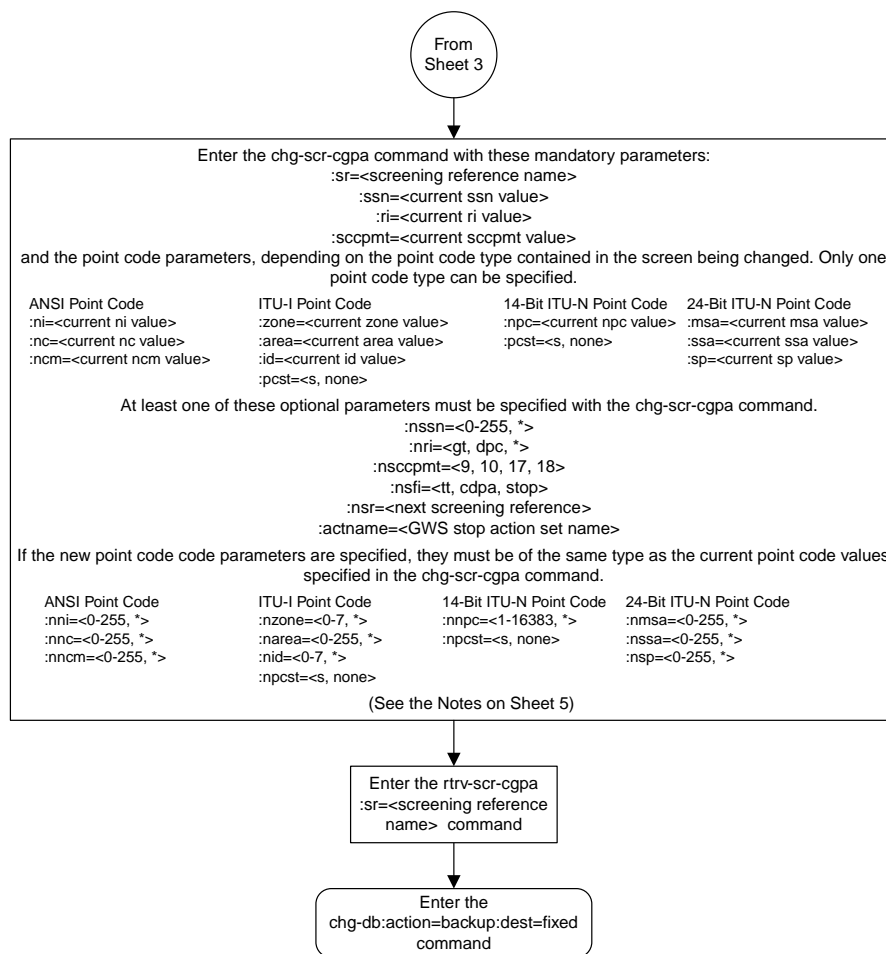


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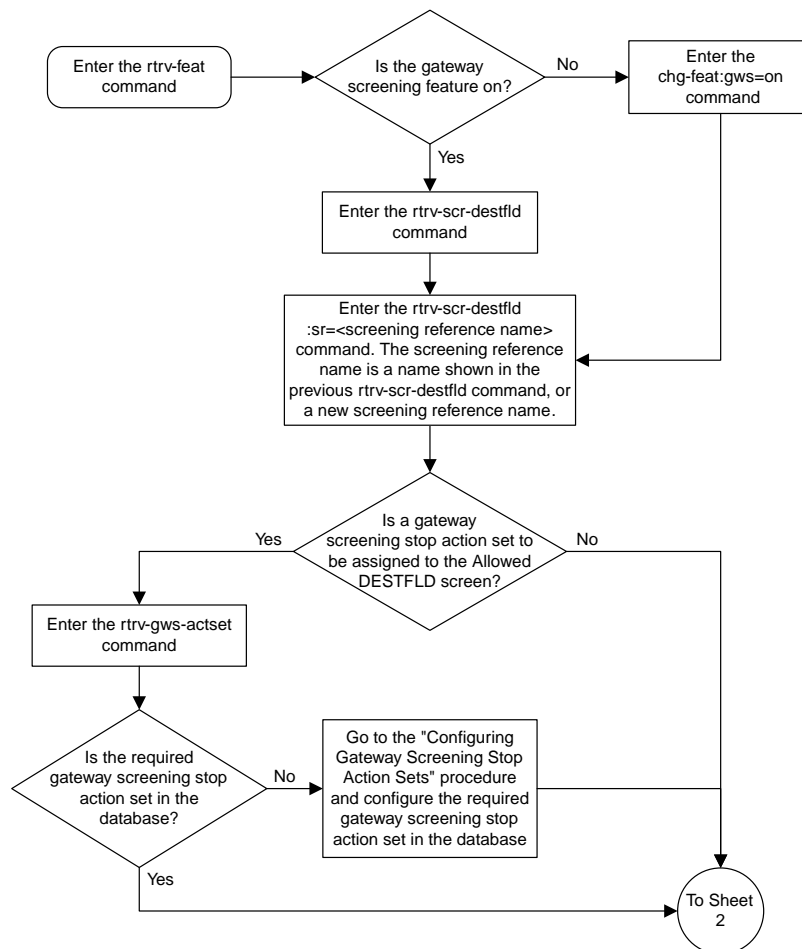


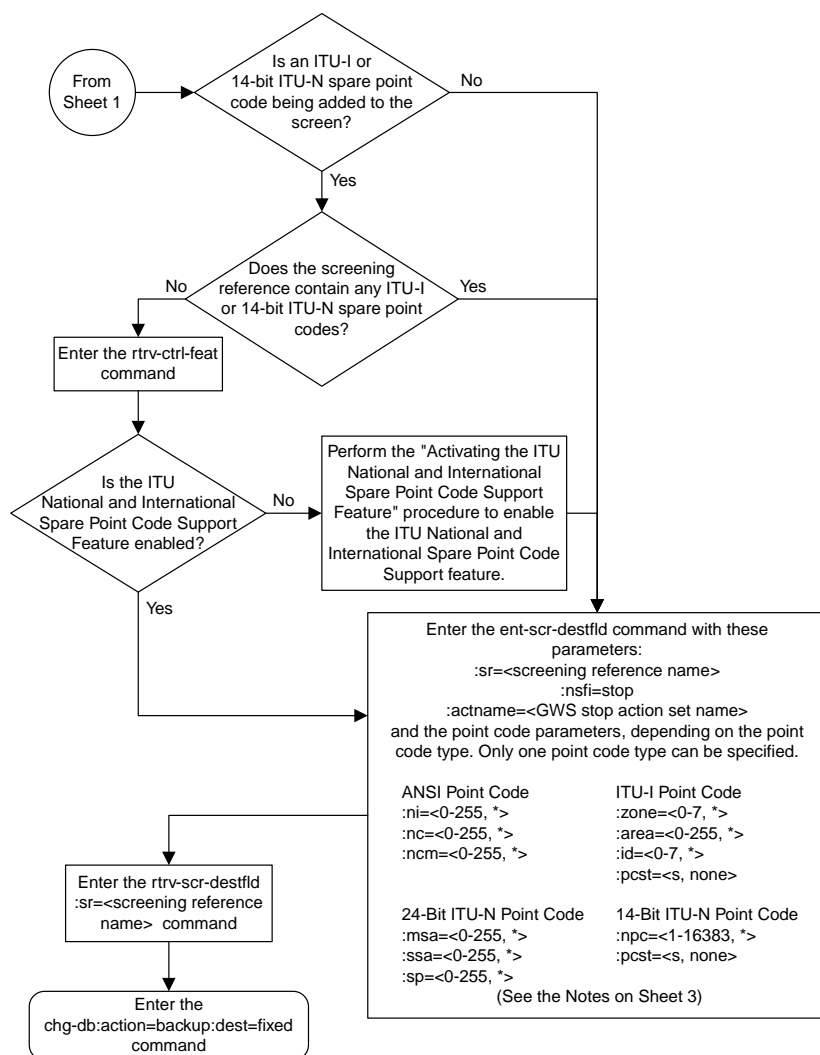
**Notes:**

1. A range of values can be specified for the *nni*, *nni*, or *nnm* parameters by inserting double ampersands (&&) between the parameter values defining the range. For example, to specify the range 025 to 200 for the *nni* parameter, enter 025&&200 for the *nni* parameter value.
2. The asterisk (\*) specifies the entire range of values for that parameter.  
For more information about specifying a range of values and about using the asterisk, see the "Gateway Screening Attributes" section and the "Specifying a Range of Values" section. The "Gateway Screening Attributes" section is in the *Database Administration Manual - Gateway Screening*. The "Specifying a Range of Values" section is in the "Changing an Allowed Calling Party Address Screen" procedure in the *Database Administration Manual - Gateway Screening*.
3. If either the *nsfi=<tt or cdpa>* or *nsr* parameters are specified, the other parameter must be specified.
4. If the *nsfi=stop* parameter is specified, or if the current *nsfi* value is stop and is not being changed, the *nsr* parameter cannot be specified.
5. The *actname* parameter can be specified only when the *nsfi* value is stop (either the current *nsfi* value is stop and not being changed, or if the *nsfi* value is being changed to stop). The *actname* parameter is optional. If the *actname* parameter is specified, the *actname* parameter value is one of the gateway screening stop action set names shown in the *rtrv-gws-actset* output on Sheet 1.
6. The *nri=gt* parameter can be specified only if the *nsfi* value is TT. If the *nsfi=tt* parameter is specified, the *ri* value must be GT or \*.
7. The *nri=dpc* parameter can be specified only if the *nsfi* value is CDPA. If the *nsfi=cdpa* parameter is specified, the *ri* value must be DPC or \*.
8. The current values for the *ni*, *nc*, *ncm*, *zone*, *area*, *id*, *npc*, *ssn*, *ri*, and *scopmt* parameters must be entered exactly as shown in the *rtrv-scr-cgpa* output.
9. To change an ITU-I or 14-bit ITU-N spare point code to a non-spare point code, both the *pcst=s* and *npcst=none* parameters must be specified with the *chg-scr-cgpa* command.
10. To change an ITU-I or 14-bit ITU-N non-spare point code to a spare point code, the *npcst=s* parameter must be specified with the *chg-scr-cgpa* command. The *pcst* parameter does not have to be specified.
11. If the current point code in the screen being changed is either an ITU-I or 14-bit ITU-N spare point code, the *pcst=s* parameter must be specified with the *chg-scr-cgpa* command.
12. If the current point code in the screen being changed is either an ITU-I or 14-bit ITU-N non-spare point code, the *pcst* parameter does not have to be specified with the *chg-scr-cgpa* command. If the *pcst* parameter is specified for a screen containing either an ITU-I or 14-bit ITU-N non-spare point code, the *pcst* parameter value must be none.



## Adding an Allowed Affected Destination Field Screen

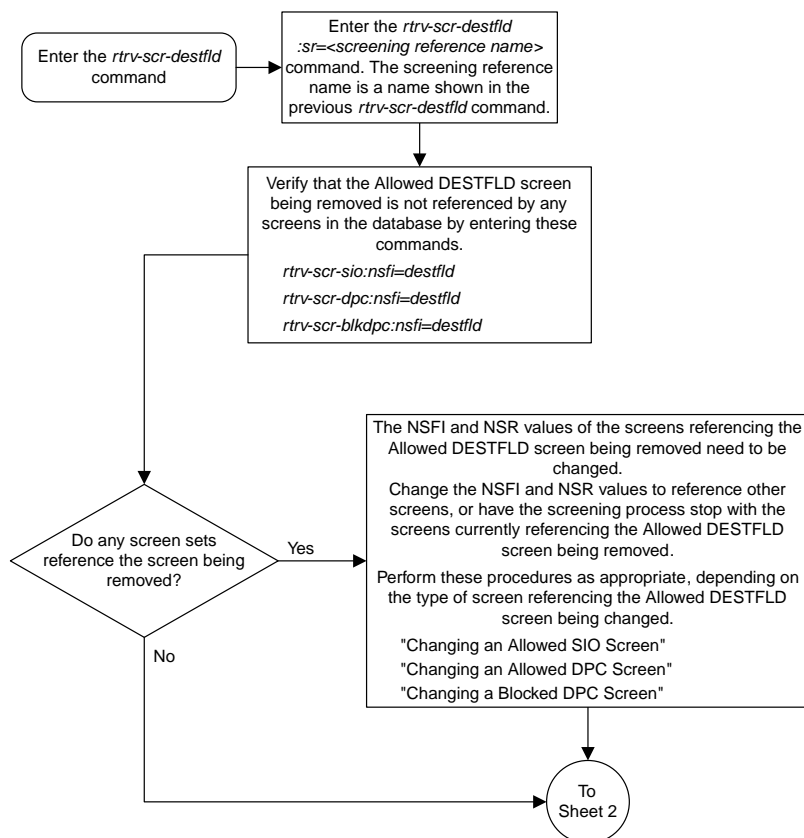


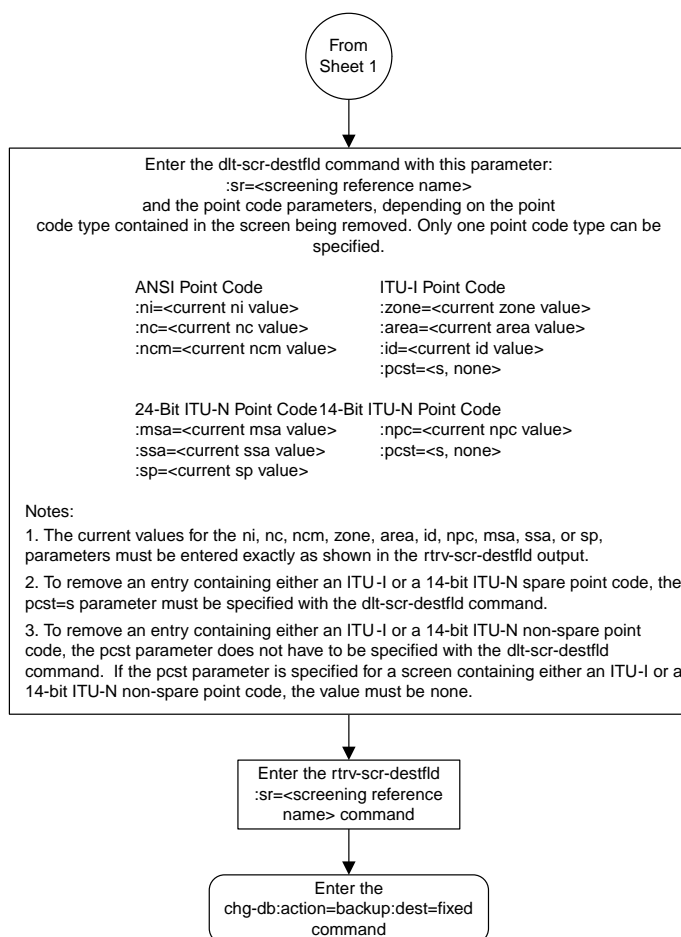


**Notes:**

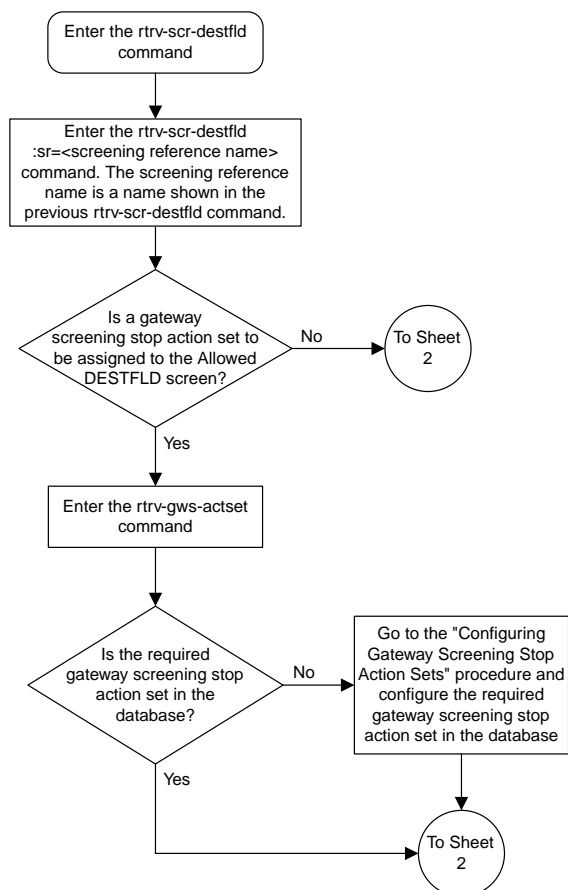
1. A range of values can be specified for the *ni*, *nc*, or *ncm* parameters by inserting double ampersands (&&) between the parameter values defining the range. For example, to specify the range 025 to 200 for the *ni* parameter, enter 025&&200 for the *ni* parameter value.
2. The asterisk (\*) specifies the entire range of values for that parameter.  
For more information about specifying a range of values and about using the asterisk, see the "Gateway Screening Attributes" section and the "Specifying a Range of Values" section. The "Gateway Screening Attributes" section is in the *Database Administration Manual - Gateway Screening*. The "Specifying a Range of Values" section is in the "Adding an Allowed Affected Destination Field Screen" procedure in the *Database Administration Manual - Gateway Screening*.
3. The *actname* parameter is optional. If the *actname* parameter is specified, the *actname* parameter value is one of the gateway screening stop action set names shown in the *rtrv-gws-actset* output on Sheet 1.
4. To add a non-spare point code, the *pcst* parameter does not have to be specified. If the *pcst* parameter is specified for a screen containing an ITU-I or 14-bit ITU-N non-spare point code, the value must be *none*.
5. To add a spare point code, the *pcst=s* parameter must be specified.

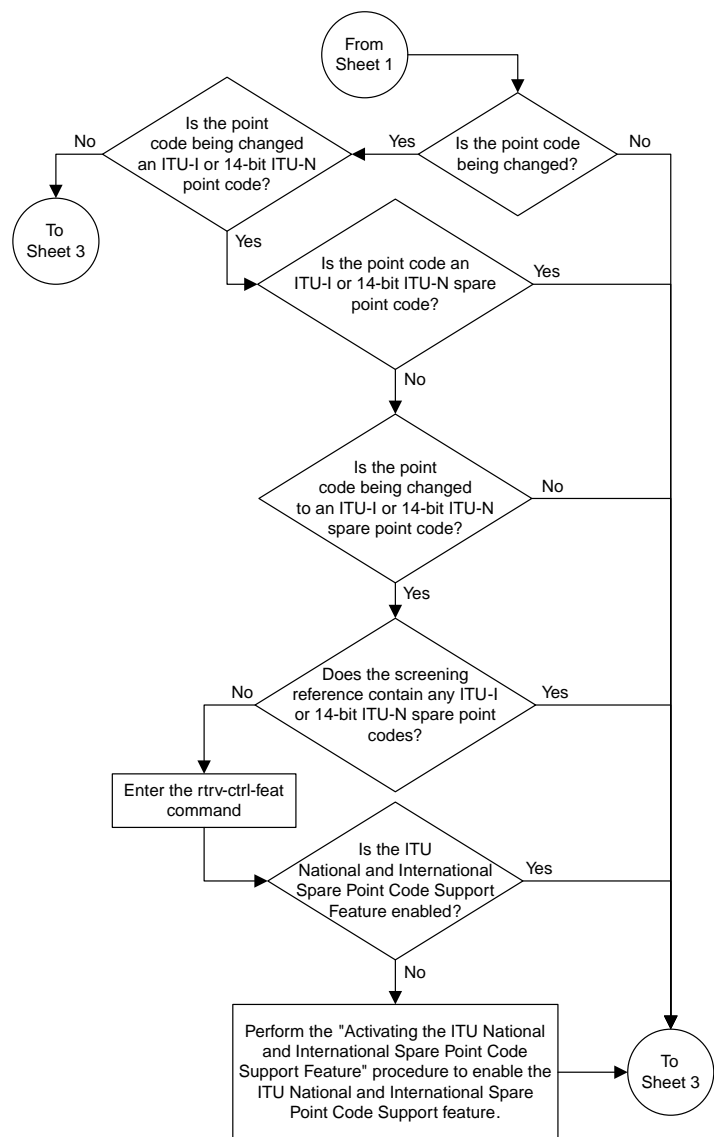
## Removing an Allowed Affected Destination Field Screen



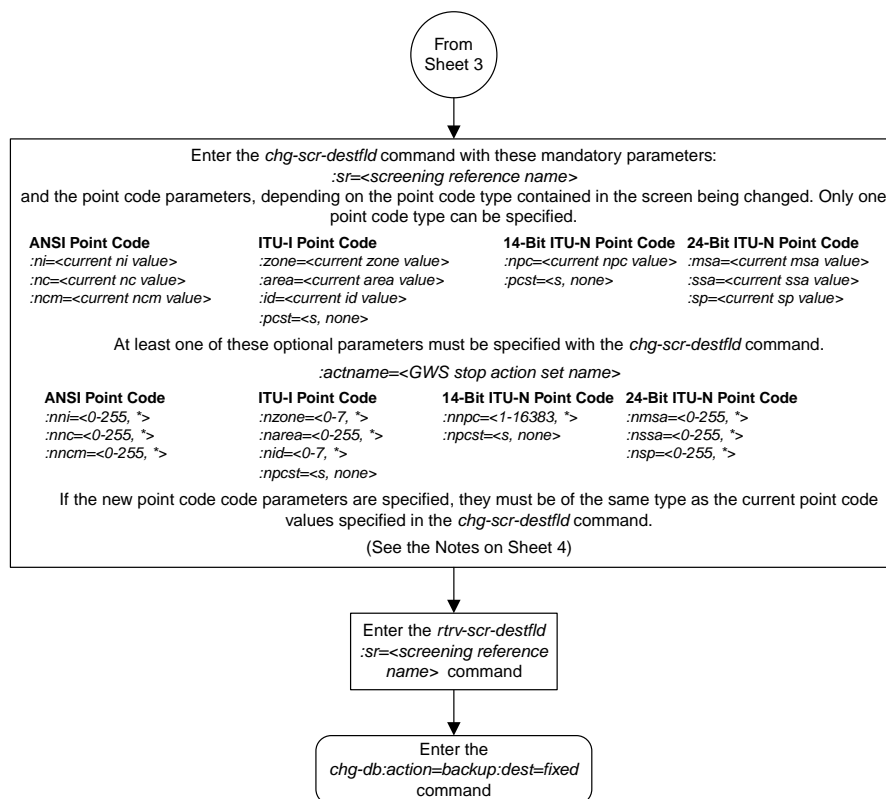


## Changing an Allowed Affected Destination Field Screen





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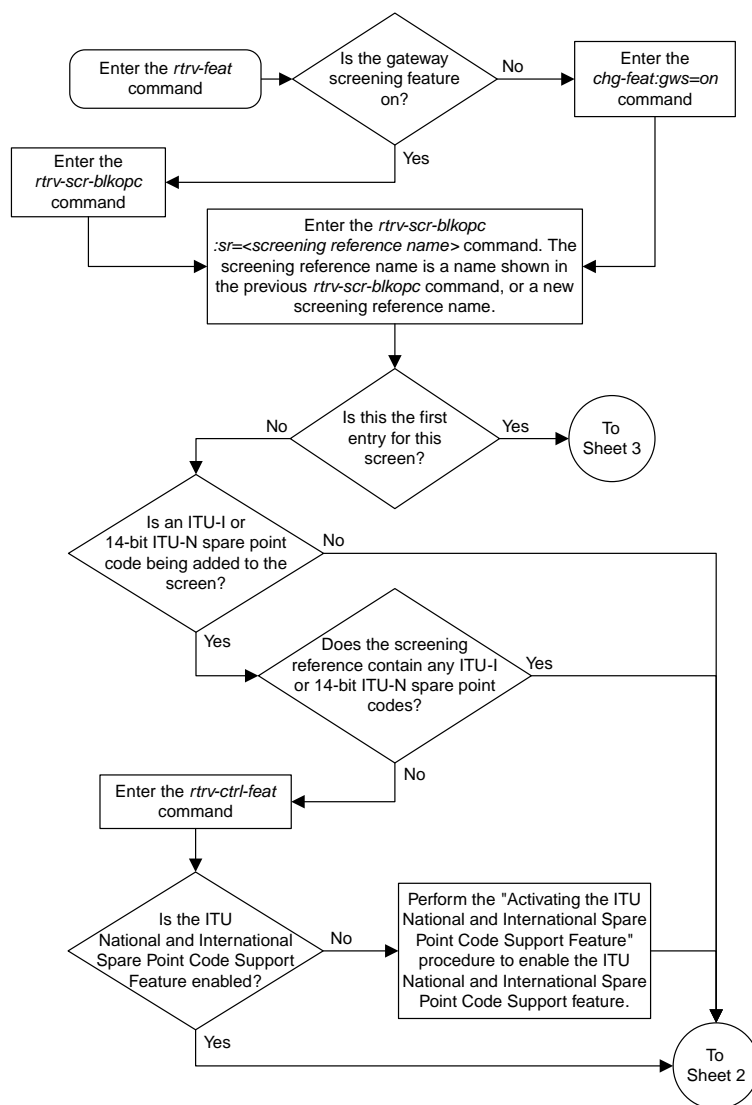




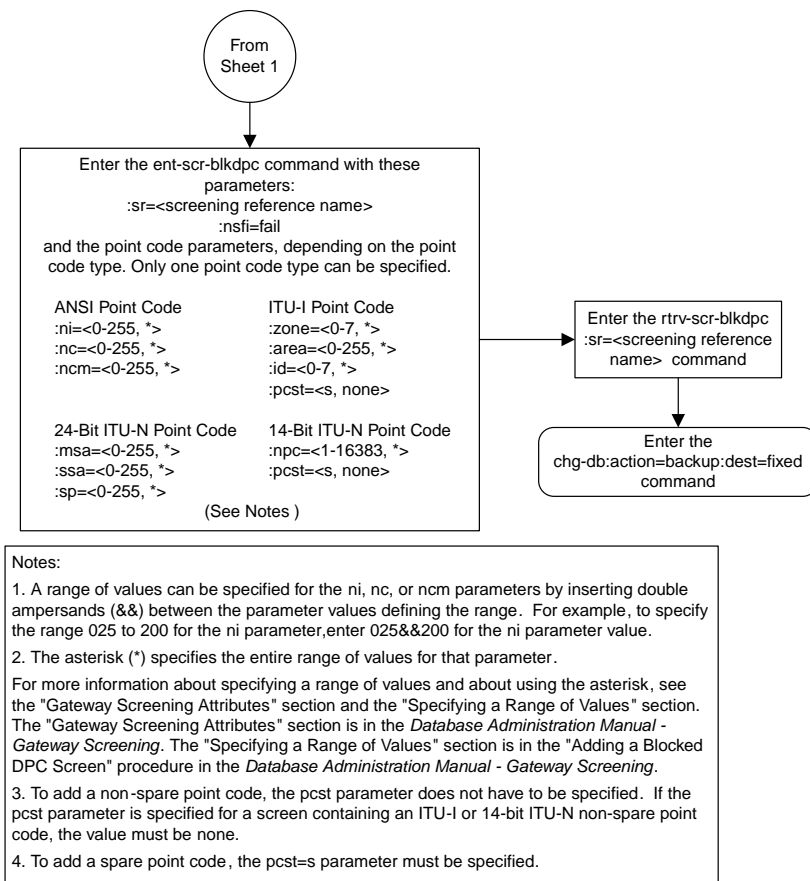
**Notes:**

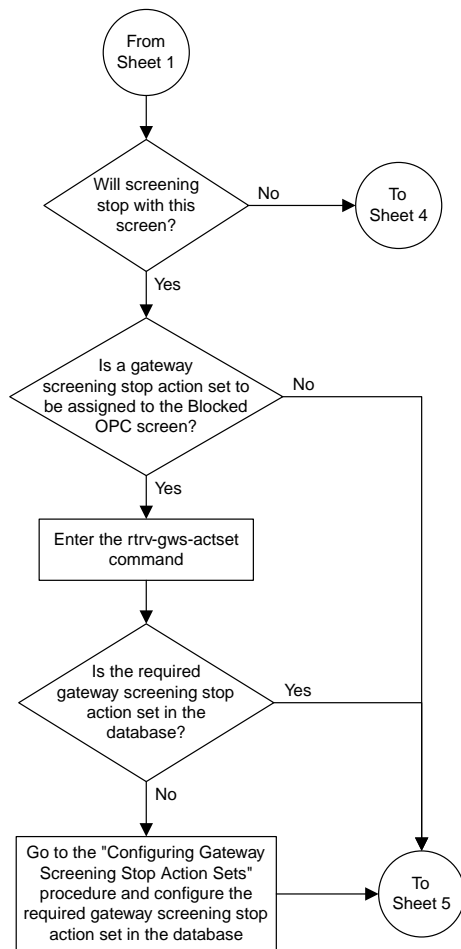
1. A range of values can be specified for the *nni*, *nnn*, or *nnm* parameters by inserting double ampersands (&&) between the parameter values defining the range. For example, to specify the range 025 to 200 for the *nni* parameter, enter 025&&200 for the *nni* parameter value.
2. The asterisk (\*) specifies the entire range of values for that parameter.  
  
For more information about specifying a range of values and about using the asterisk, see the "Gateway Screening Attributes" section and the "Specifying a Range of Values" section. The "Gateway Screening Attributes" section is in the *Database Administration Manual - Gateway Screening*. The "Specifying a Range of Values" section is in the "Changing an Allowed Affected Destination Field Screen" procedure in the *Database Administration Manual - Gateway Screening*.
3. The *actname* parameter is optional. If the *actname* parameter is specified, the *actname* parameter value is one of the gateway screening stop action set names shown in the *rtrv-gws-actset* output on Sheet 1.
4. The current values for the *ni*, *nc*, *ncm*, *zone*, *area*, *id*, *npc*, *msa*, *ssa*, and *sp* parameters must be entered exactly as shown in the *rtrv-scr-destfld* output.
5. To change an ITU-I or 14-bit ITU-N spare point code to a non-spare point code, both the *pcst=s* and *npcst=none* parameters must be specified with the *chg-scr-destfld* command.
6. To change an ITU-I or 14-bit ITU-N non-spare point code to a spare point code, the *npcst=s* parameter must be specified with the *chg-scr-destfld* command. The *pcst* parameter does not have to be specified.
7. If the current point code in the screen being changed is either an ITU-I or 14-bit ITU-N spare point code, the *pcst=s* parameter must be specified with the *chg-scr-destfld* command.
8. If the current point code in the screen being changed is either an ITU-I or 14-bit ITU-N non-spare point code, the *pcst* parameter does not have to be specified with the *chg-scr-destfld* command. If the *pcst* parameter is specified for a screen containing either an ITU-I or 14-bit ITU-N non-spare point code, the *pcst* parameter value must be *none*.

## Adding a Blocked DPC Screen

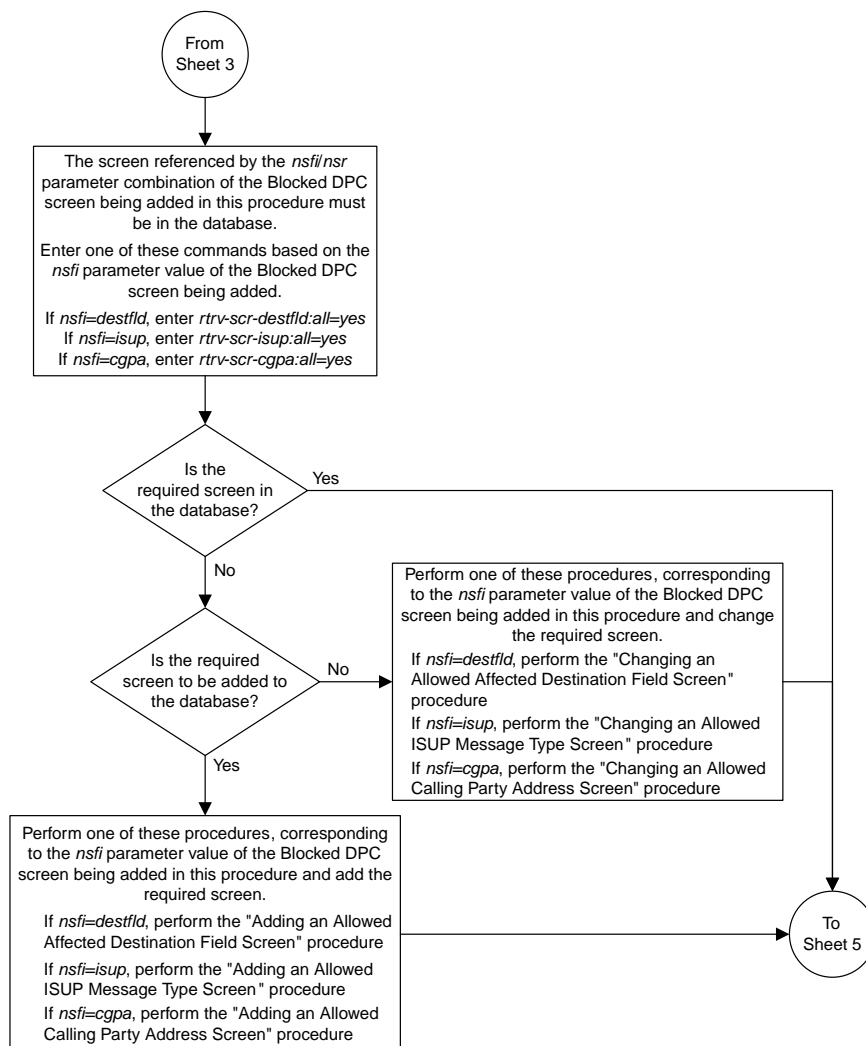


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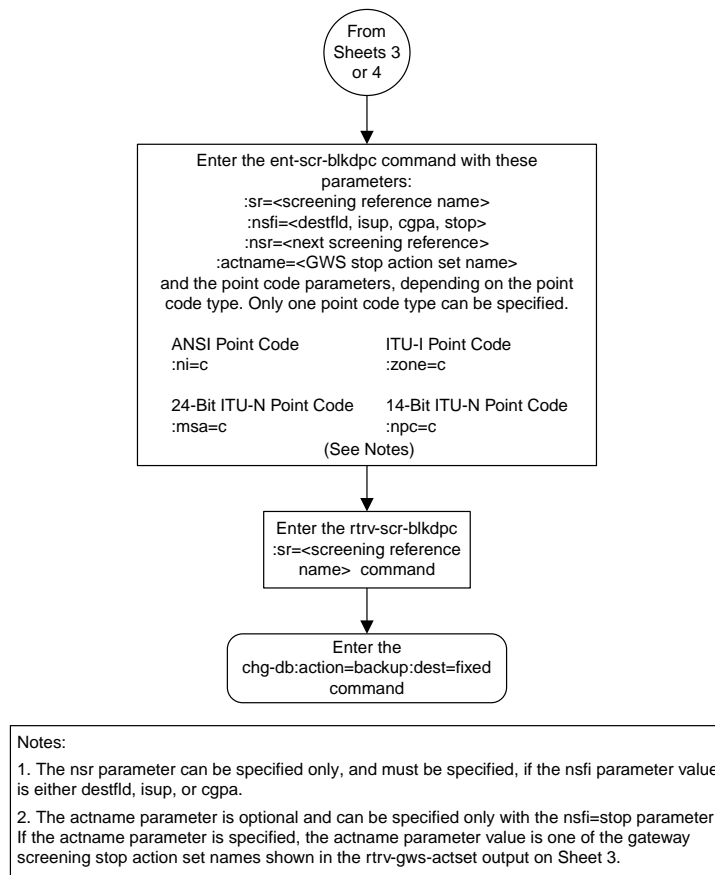




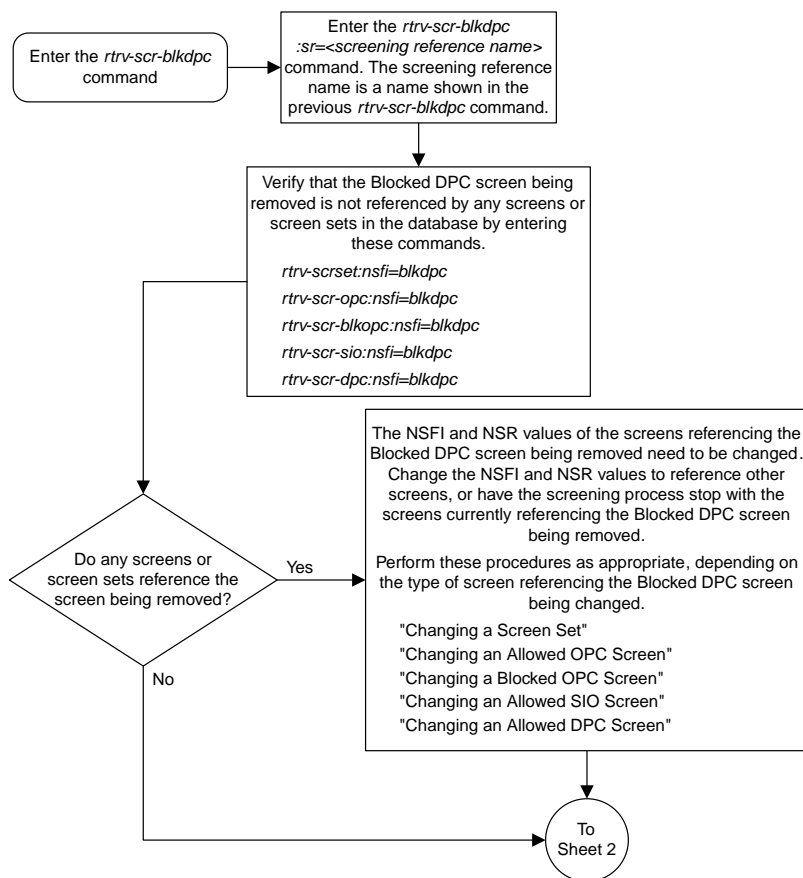
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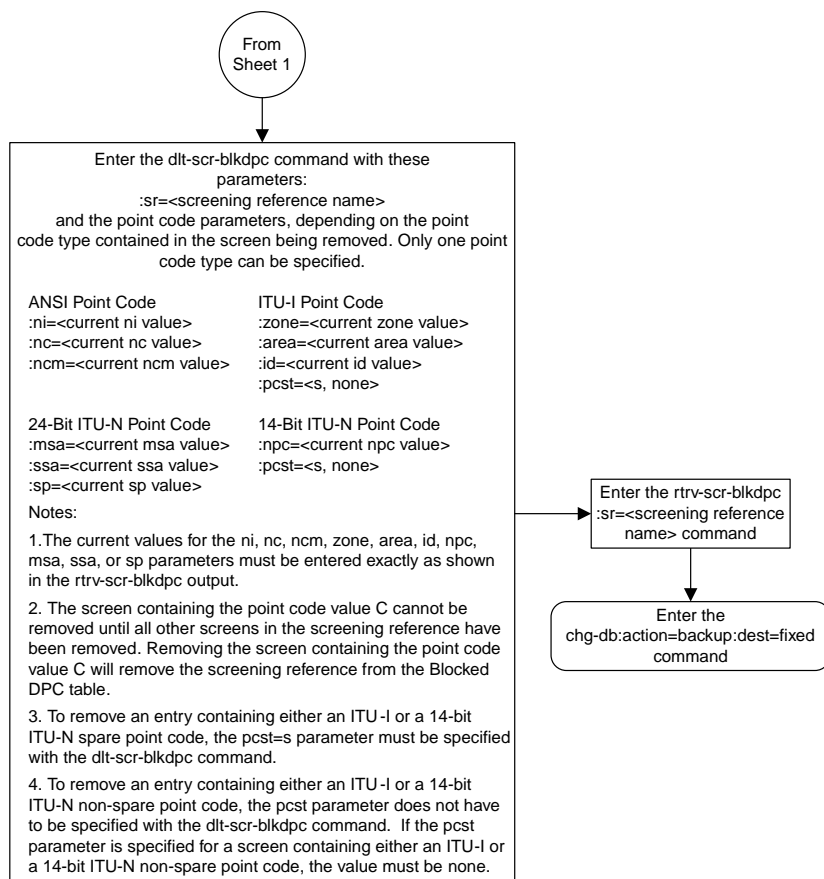


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## Removing a Blocked DPC Screen

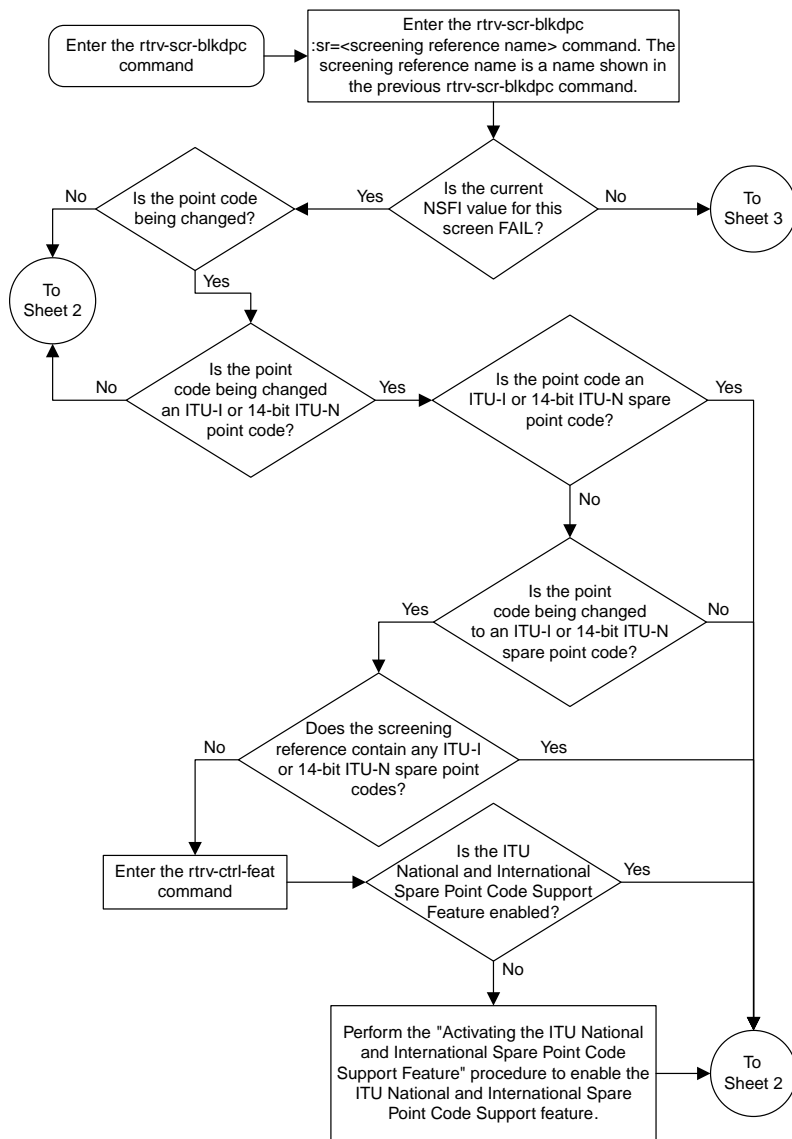




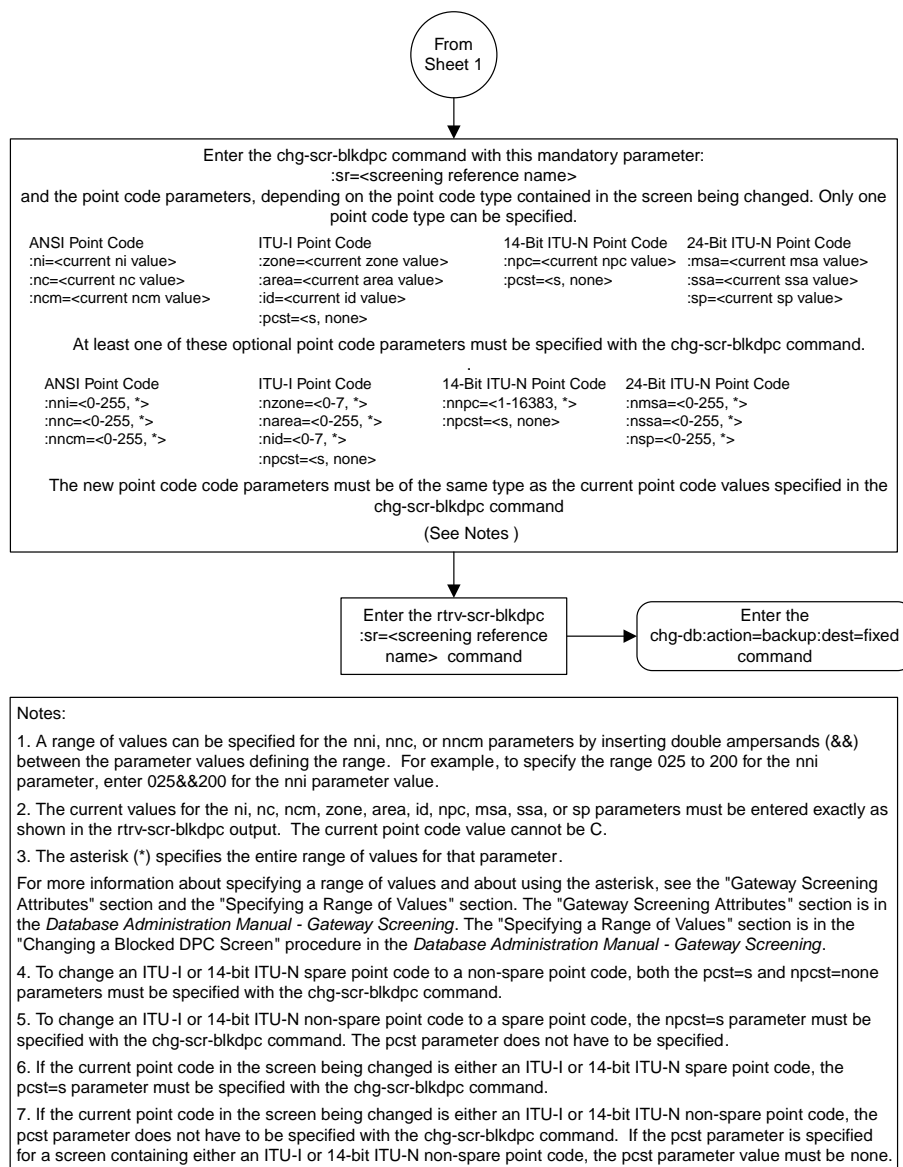
Sheet 2 of 2

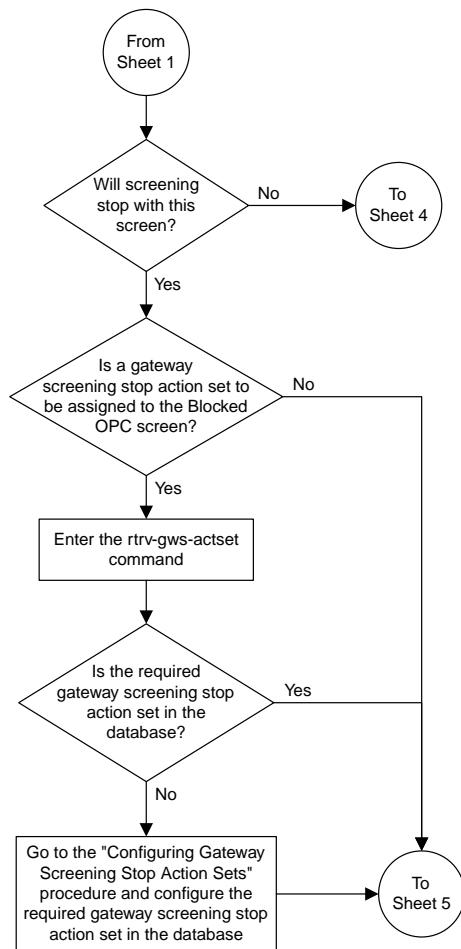


## Changing a Blocked DPC Screen

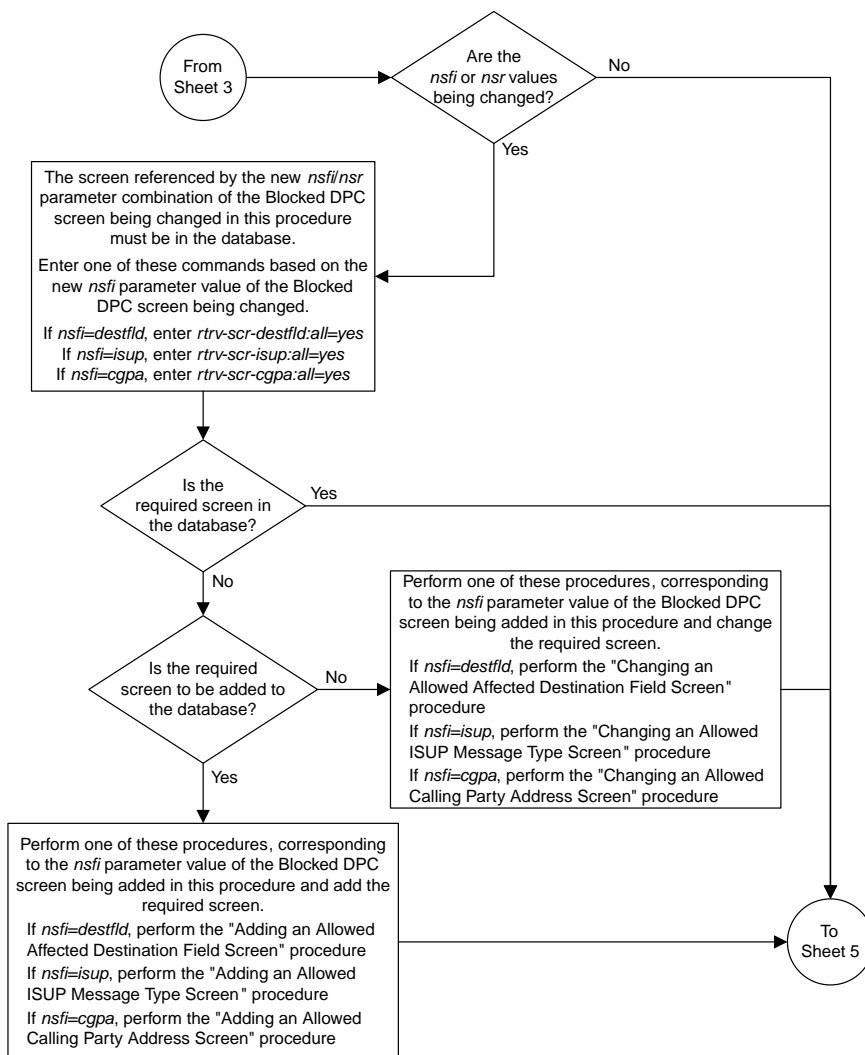


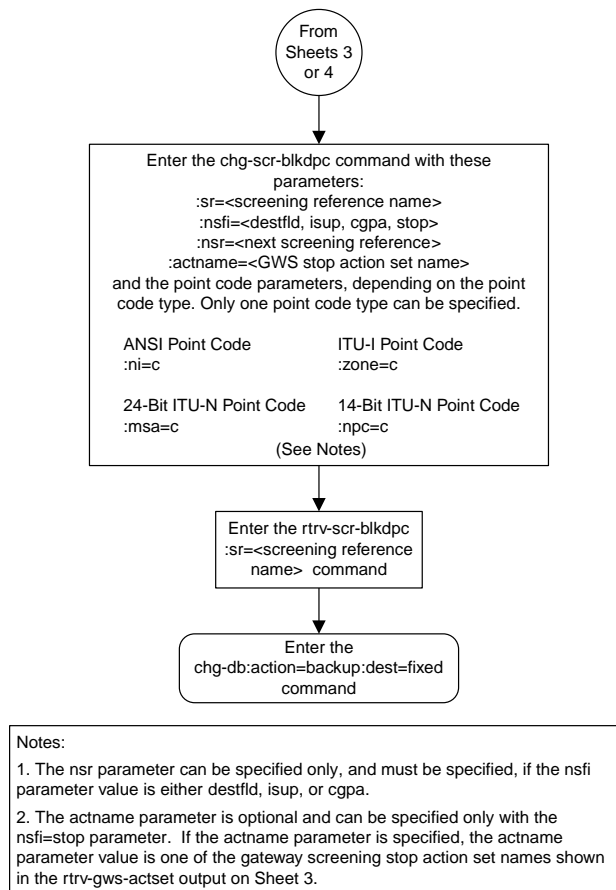
Sheet 1 of 5



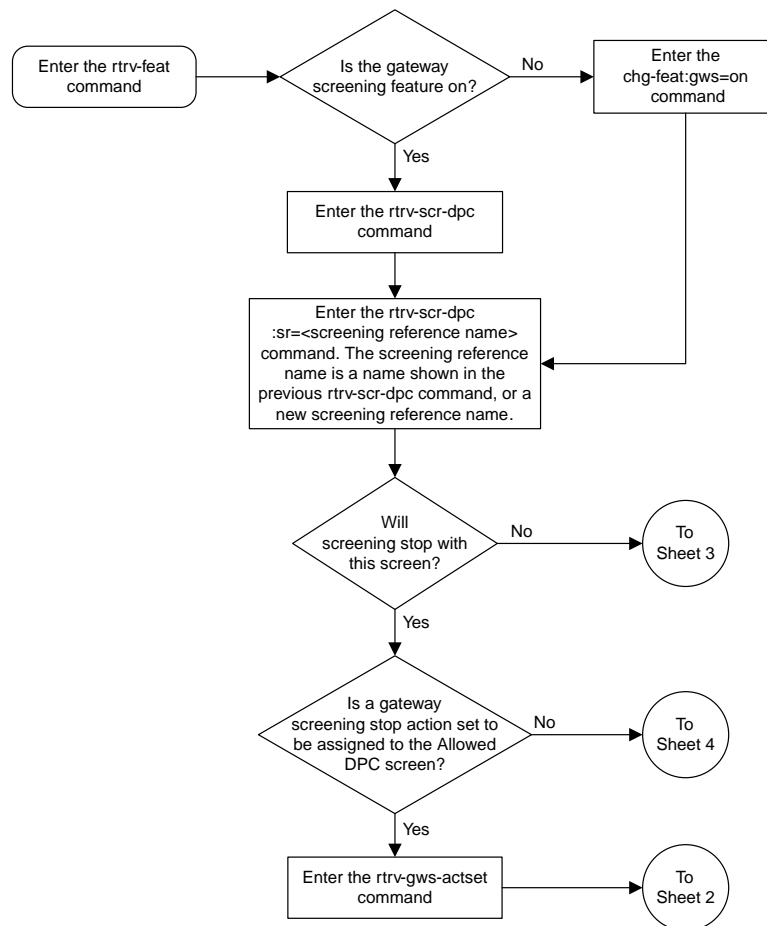


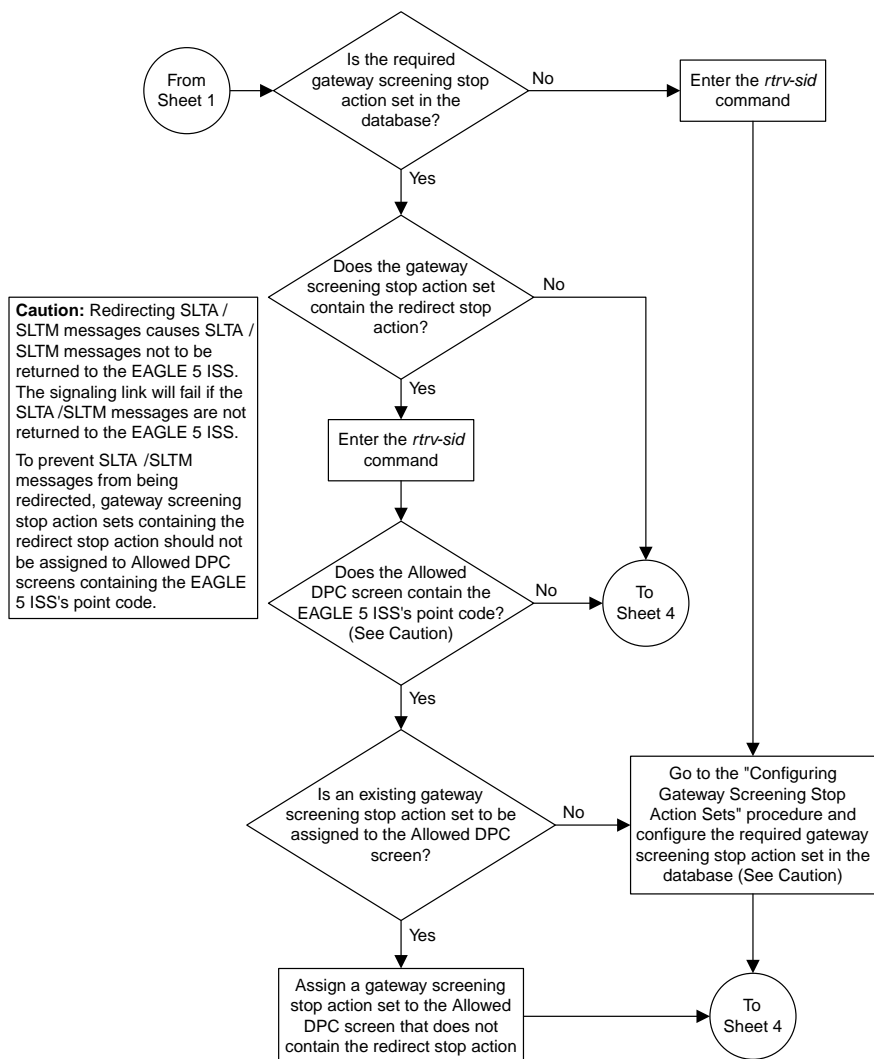
Sheet 3 of 5



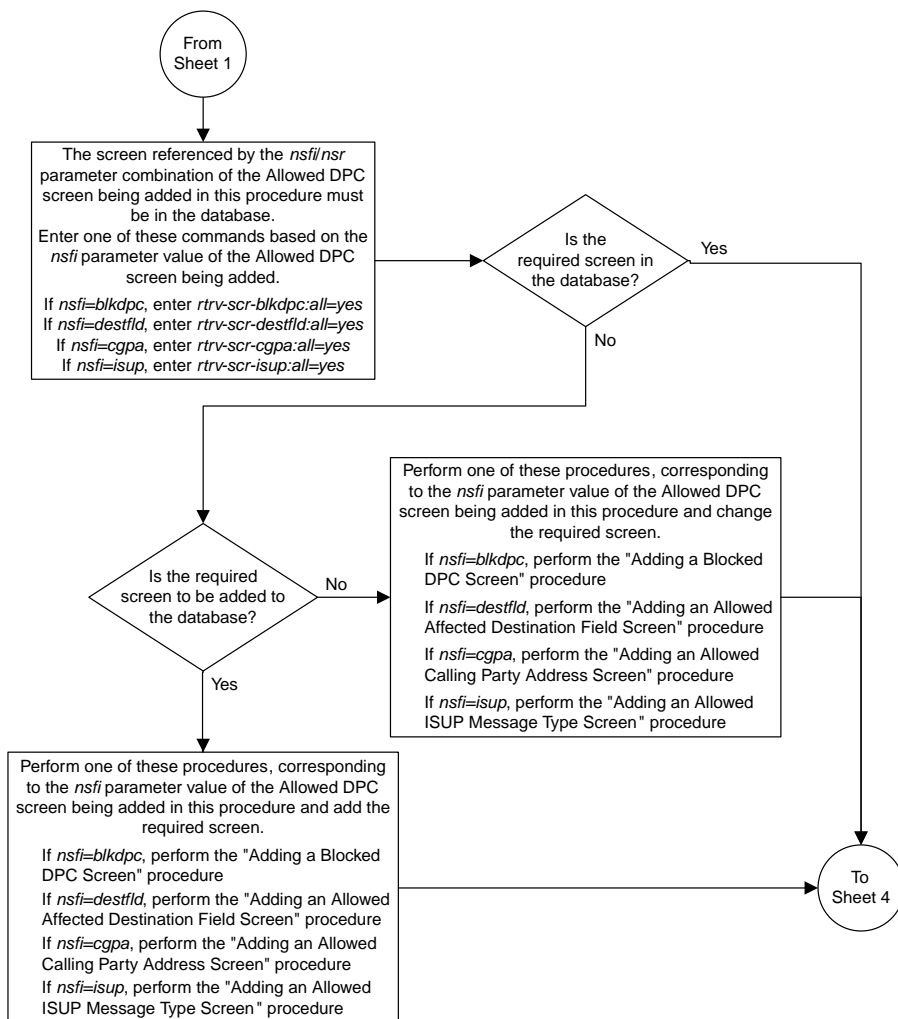


## Adding an Allowed DPC Screen



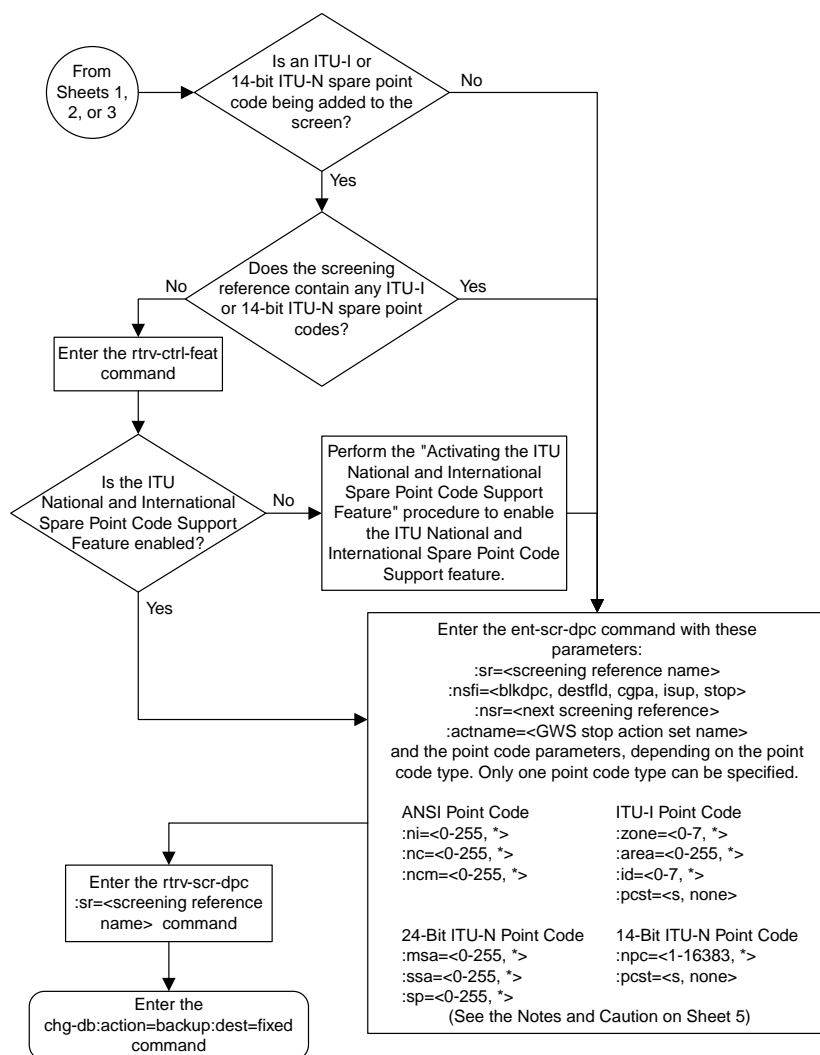


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**Notes:**

1. A range of values can be specified for the *ni*, *nc*, or *ncm* parameters by inserting double ampersands (&&) between the parameter values defining the range. For example, to specify the range 025 to 200 for the *ni* parameter, enter 025&&200 for the *ni* parameter value.

2. The asterisk (\*) specifies the entire range of values for that parameter.

For more information about specifying a range of values and about using the asterisk, see the "Gateway Screening Attributes" section and the "Specifying a Range of Values" section. The "Gateway Screening Attributes" section is in the *Database Administration Manual - Gateway Screening*. The "Specifying a Range of Values" section is in the "Adding an Allowed DPC Screen" procedure in the *Database Administration Manual - Gateway Screening*.

3. The *nsr* parameter can be specified only, and must be specified, if the *nsfi* parameter value is either *blkdp*, *destfld*, *cgpa*, or *isup*.

4. The *actname* parameter is optional and can be specified only with the *nsfi=stop* parameter. If the *actname* parameter is specified, the *actname* parameter value is one of the gateway screening stop action set names shown in the *rtrv-gws-actset* output on Sheet 1.

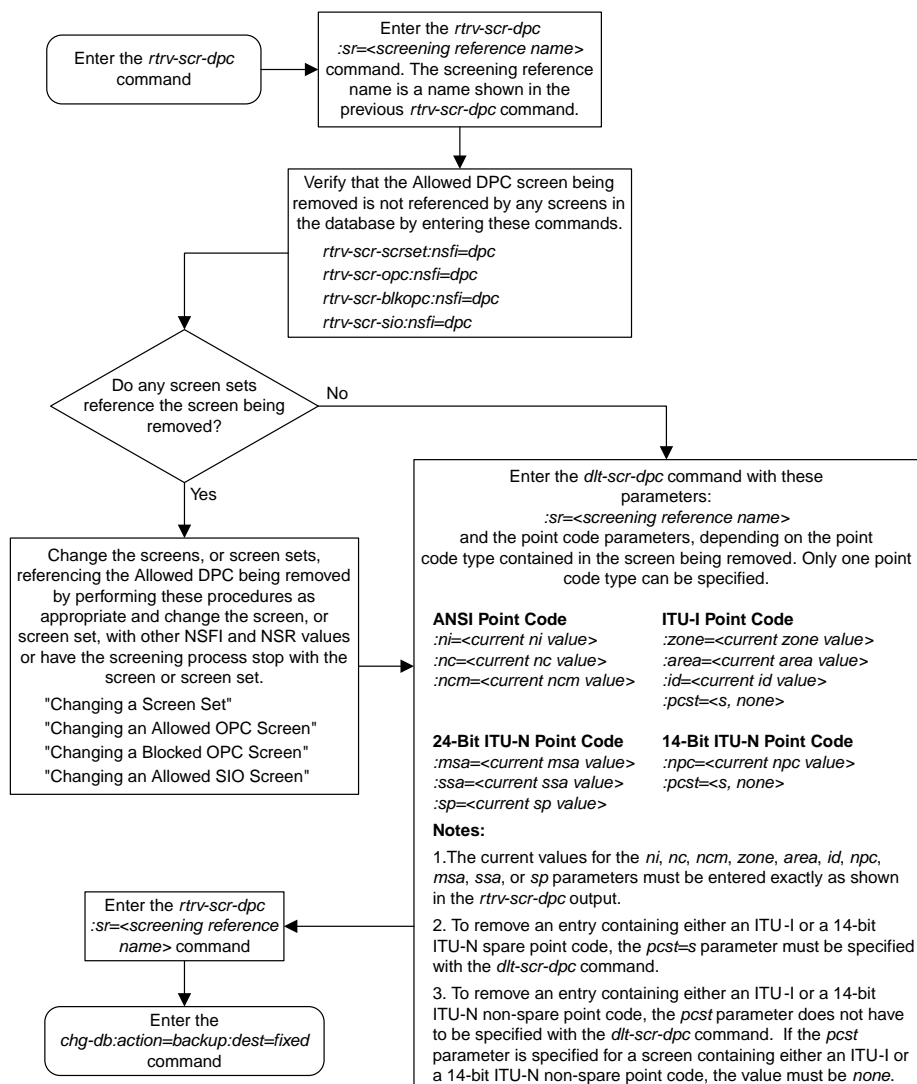
5. To add a non-spare point code, the *pcst* parameter does not have to be specified. If the *pcst* parameter is specified for a screen containing an ITU-I or 14-bit ITU-N non-spare point code, the value must be *none*.

6. To add a spare point code, the *pcst=s* parameter must be specified.

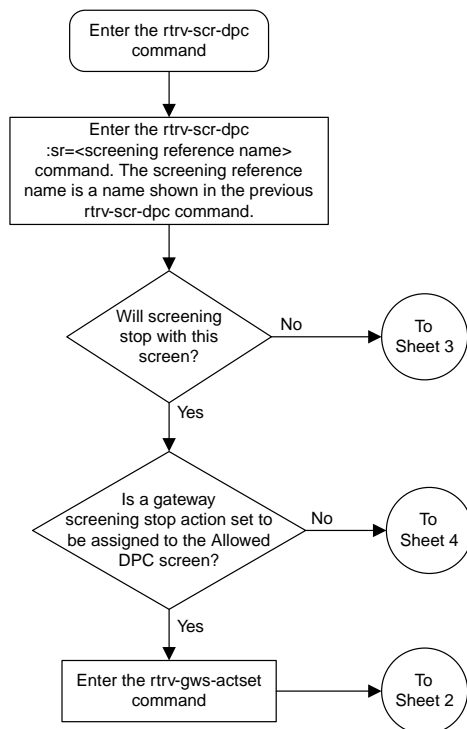
**Caution:** Redirecting SLTA/SLTM messages causes SLTA/SLTM messages not to be returned to the EAGLE 5 ISS. The signaling link will fail if the SLTA/SLTM messages are not returned to the EAGLE 5 ISS.

To prevent SLTA/SLTM messages from being redirected, gateway screening stop action sets containing the redirect stop action should not be assigned to Allowed DPC screens containing the EAGLE 5 ISS's point code.

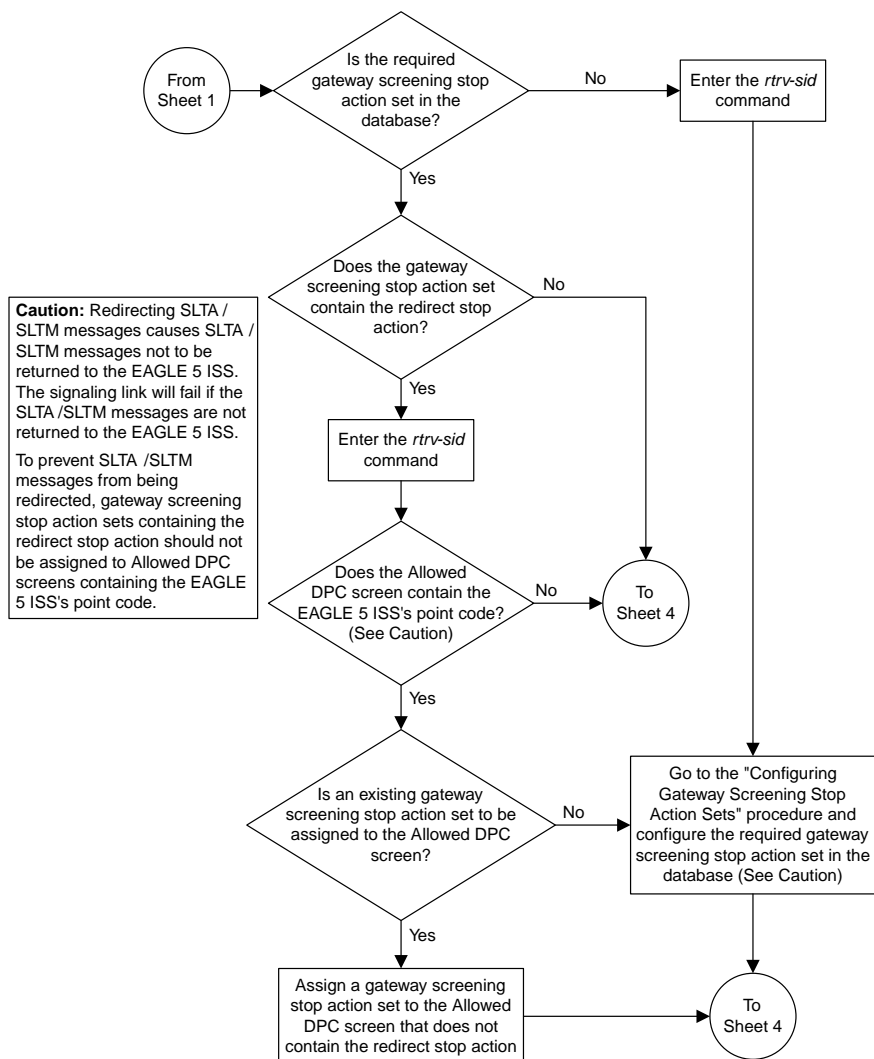
## Removing an Allowed DPC Screen

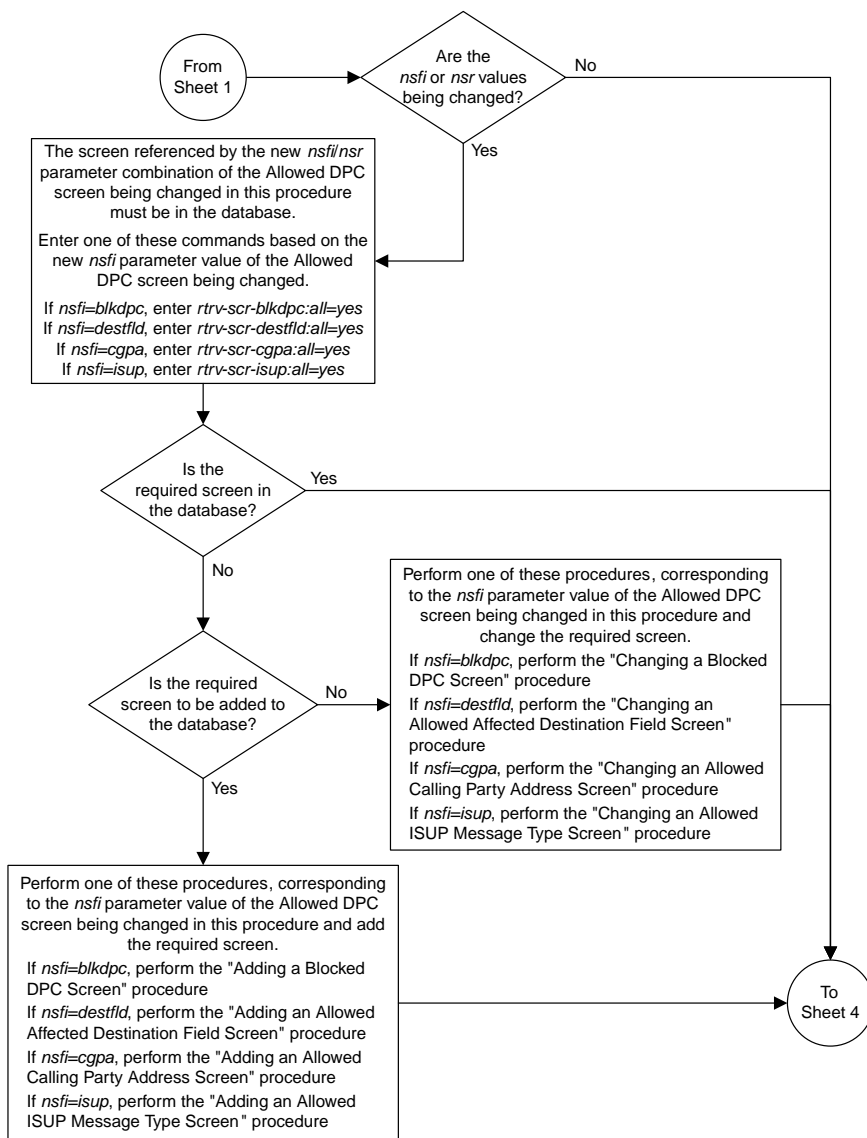


## Changing an Allowed DPC Screen

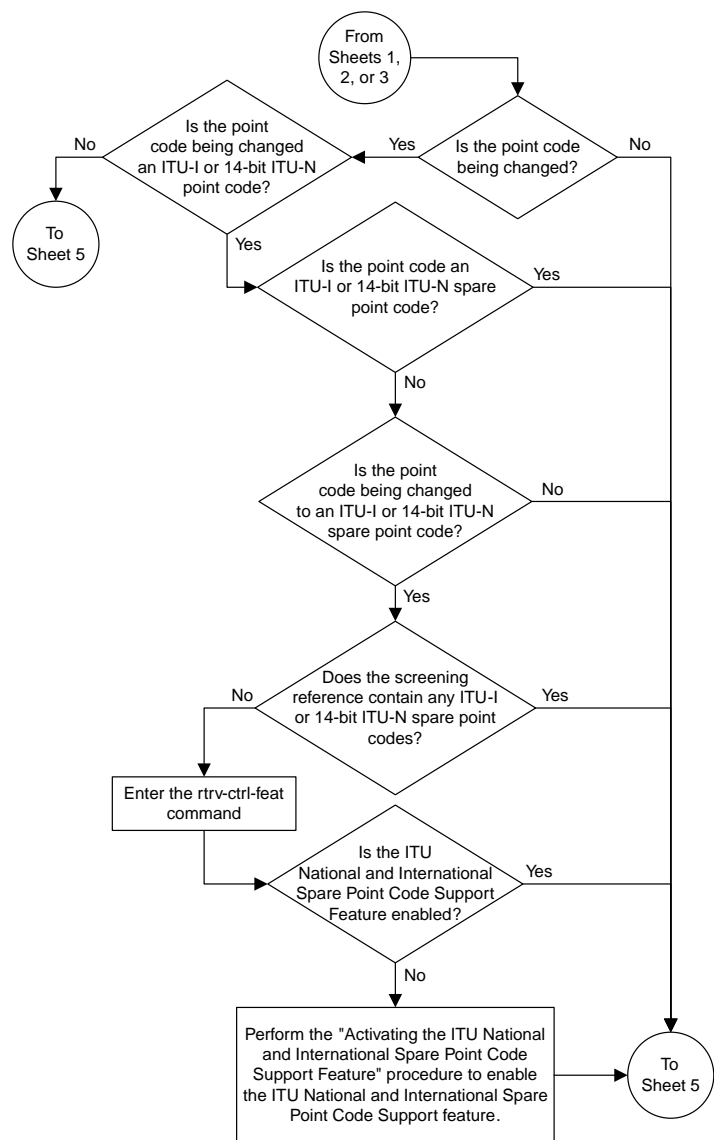


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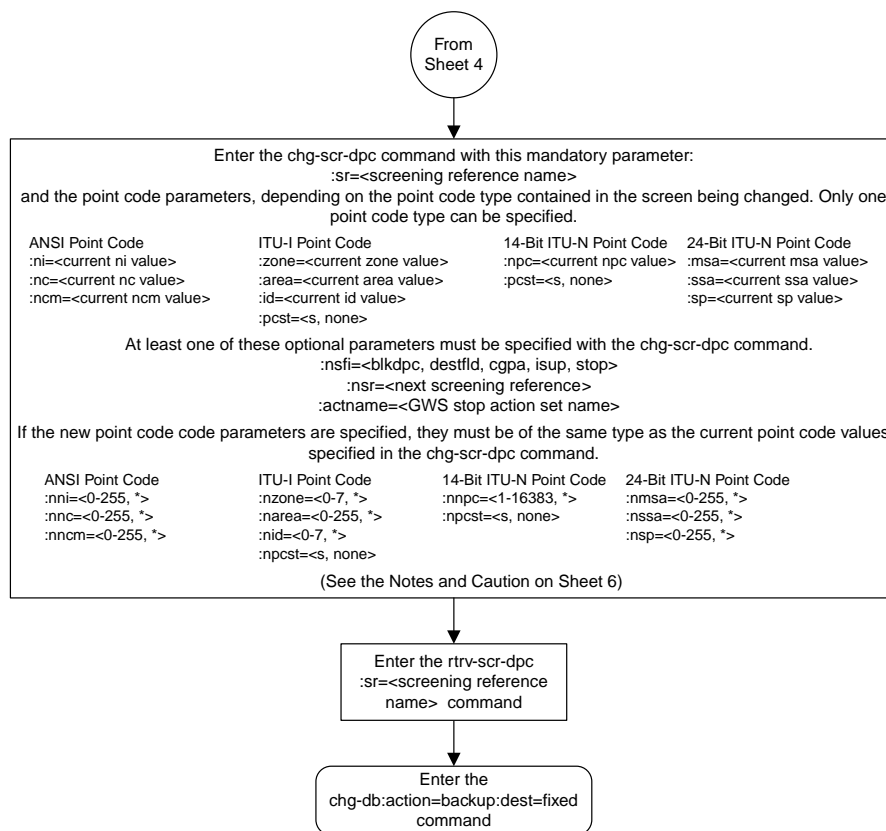




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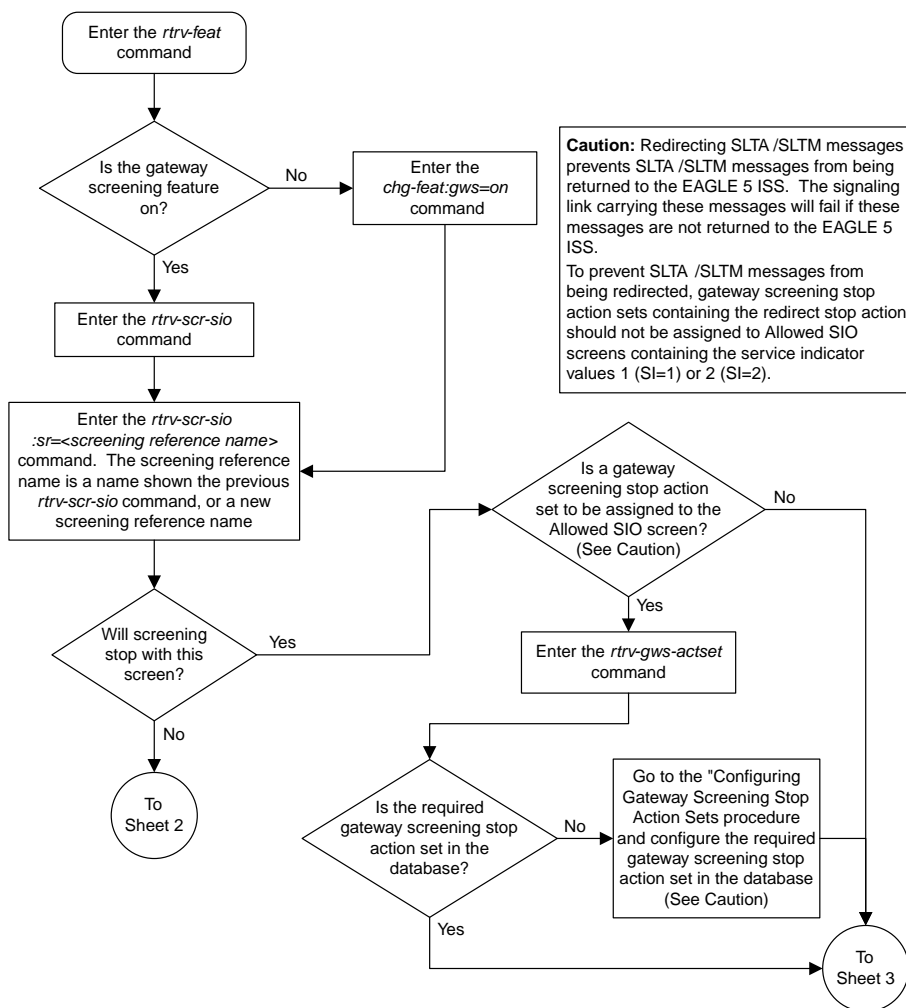




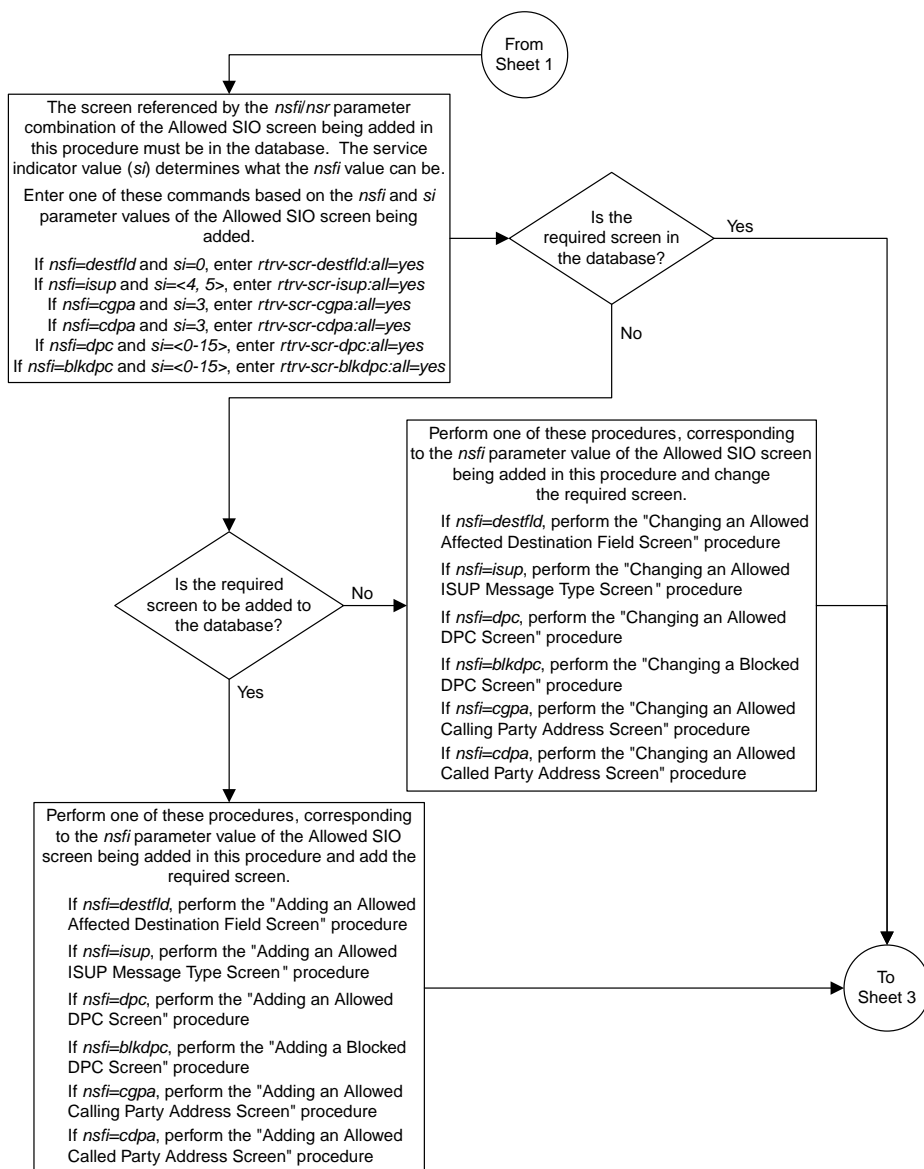
**Notes:**

1. A range of values can be specified for the *ni*, *nc*, or *ncm* parameters by inserting double ampersands (&&) between the parameter values defining the range. For example, to specify the range 025 to 200 for the *ni* parameter, enter 025&&200 for the *ni* parameter value.
  2. The asterisk (\*) specifies the entire range of values for that parameter.  
For more information about specifying a range of values and about using the asterisk, see the "Gateway Screening Attributes" section and the "Specifying a Range of Values" section. The "Gateway Screening Attributes" section is in the *Database Administration Manual - Gateway Screening*. The "Specifying a Range of Values" section is in the "Changing an Allowed DPC Screen" procedure in the *Database Administration Manual - Gateway Screening*.
  3. The *nsr* parameter can be specified, and must be specified, if the *nsfi* parameter value is either *blkdpc*, *destfld*, *cgpa*, or *isup*.
  4. The *actname* parameter is optional and can be specified only with the *nsfi=stop* parameter. If the *actname* parameter is specified, the *actname* parameter value is one of the gateway screening stop action set names shown in the *rtrv-gws-actset* output on Sheet 1.
  5. To change an ITU-I or 14-bit ITU-N spare point code to a non-spare point code, both the *pcst=s* and *npcst=none* parameters must be specified with the *chg-scr-dpc* command.
  6. To change an ITU-I or 14-bit ITU-N non-spare point code to a spare point code, the *npcst=s* parameter must be specified with the *chg-scr-dpc* command. The *pcst* parameter does not have to be specified.
  7. If the current point code in the screen being changed is either an ITU-I or 14-bit ITU-N spare point code, the *pcst=s* parameter must be specified with the *chg-scr-dpc* command.
  8. If the current point code in the screen being changed is either an ITU-I or 14-bit ITU-N non-spare point code, the *pcst* parameter does not have to be specified with the *chg-scr-dpc* command. If the *pcst* parameter is specified for a screen containing either an ITU-I or 14-bit ITU-N non-spare point code, the *pcst* parameter value must be *none*.
- Caution:** Redirecting SLTA /SLTM messages causes SLTA /SLTM messages not to be returned to the EAGLE 5 ISS. The signaling link will fail if the SLTA /STM messages are not returned to the EAGLE 5 ISS.
- To prevent SLTA /SLTM messages from being redirected, gateway screening stop action sets containing redirect stop action should not be assigned to Allowed DPC screens containing the EAGLE 5 ISS's point code.

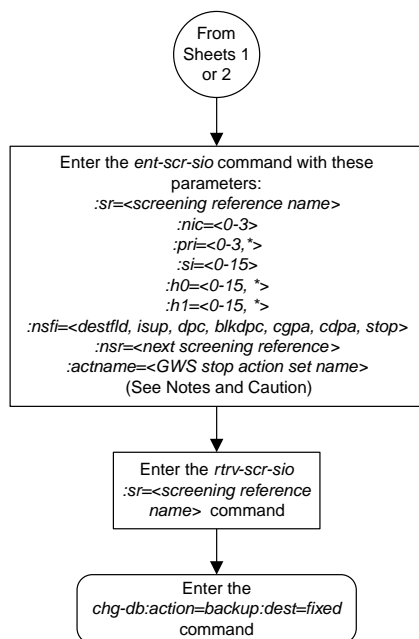
## Adding an Allowed SIO Screen



Sheet 1 of 3



Sheet 2 of 3

**Notes:**

1. A range of values can be specified for the *pri*, *h0*, or *h1* parameters by inserting double ampersands (&&) between the parameter values defining the range. For example, to specify the range 0 to 3 for the *pri* parameter, enter 0&&3 for the *pri* parameter value.

2. The asterisk (\*) specifies the entire range of values for that parameter.

For more information about specifying a range of values and about using the asterisk, see the "Gateway Screening Attributes" section in Chapter 2 and the "Specifying a Range of Values" and "Specifying H0 and H1 Values" sections in this procedure.

3. The *nsr* parameter can be specified only, and must be specified, if the *nsfi* parameter value is either *destfld*, *isup*, *dpc*, *blkdp*, *cgpa*, or *cdpa*.

4. The *actname* parameter is optional and can be specified only with the *nsfi=stop* parameter. If the *actname* parameter is specified, the *actname* parameter value is one of the gateway screening stop action set names shown in the *rtrv-gws-actset* output on Sheet 1.

5. The NSFI and service indicator values can be entered only in the following combinations:

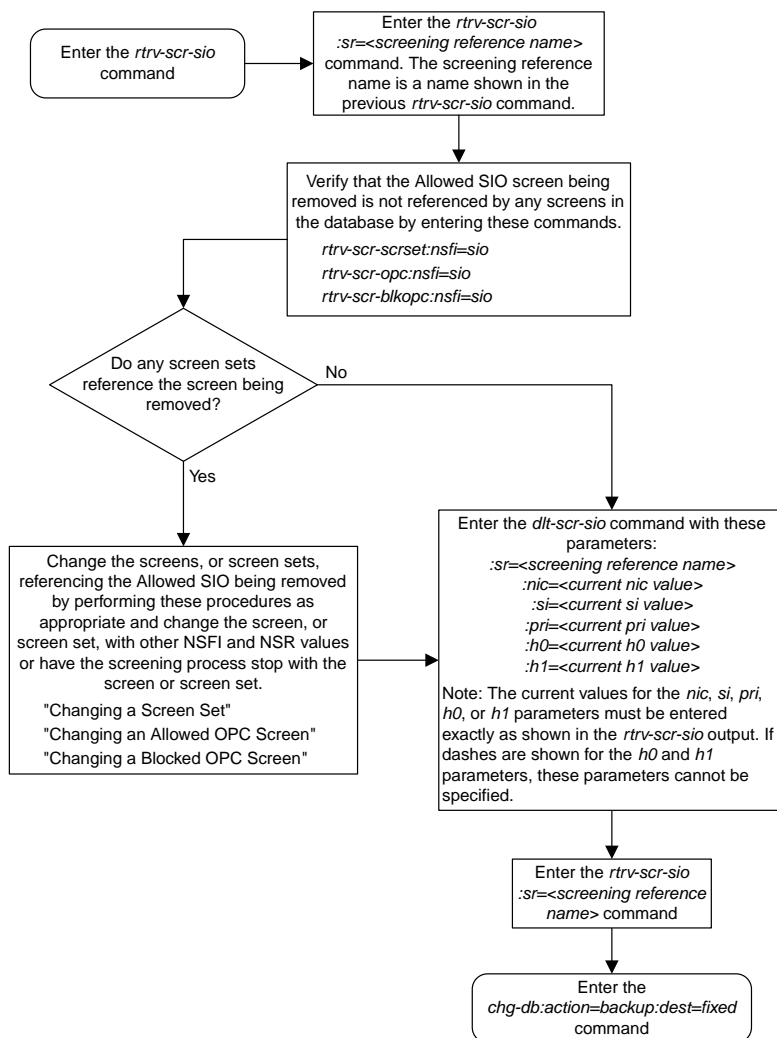
SI Value	NSFI Value
0	destfld, dpc, blkdp
3	cgpa, cdpa, dpc, blkdp
4, 5	isup, dpc, blkdp
1, 2, 6-15	dpc, blkdp

6. The *h0* and *h1* parameters can be specified, and must be specified, only if the *si* values are either 0, 1, or 2.

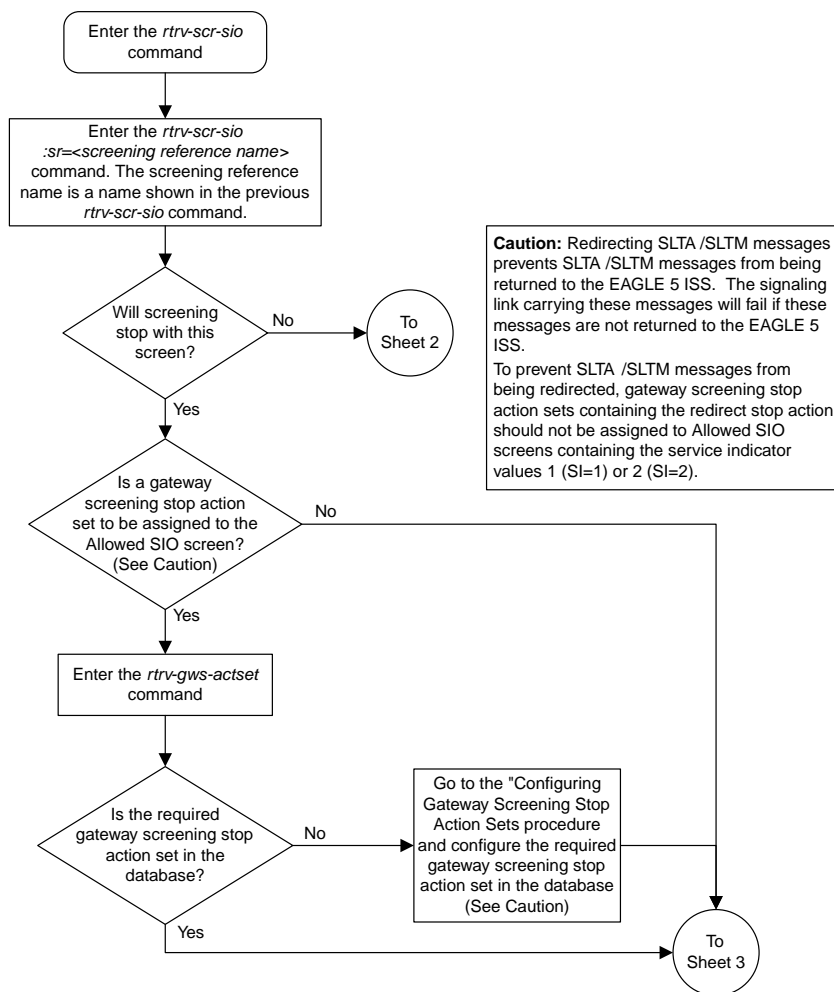
**Caution:** Redirecting SLTA /SLTM messages prevents SLTA /SLTM messages from being returned to the EAGLE 5 ISS. The signaling link carrying these messages will fail if these messages are not returned to the EAGLE 5 ISS.

To prevent SLTA /SLTM messages from being redirected, gateway screening stop action sets containing the redirect stop action should not be assigned to Allowed SIO screens containing the service indicator values 1 (SI=1) or 2 (SI=2).

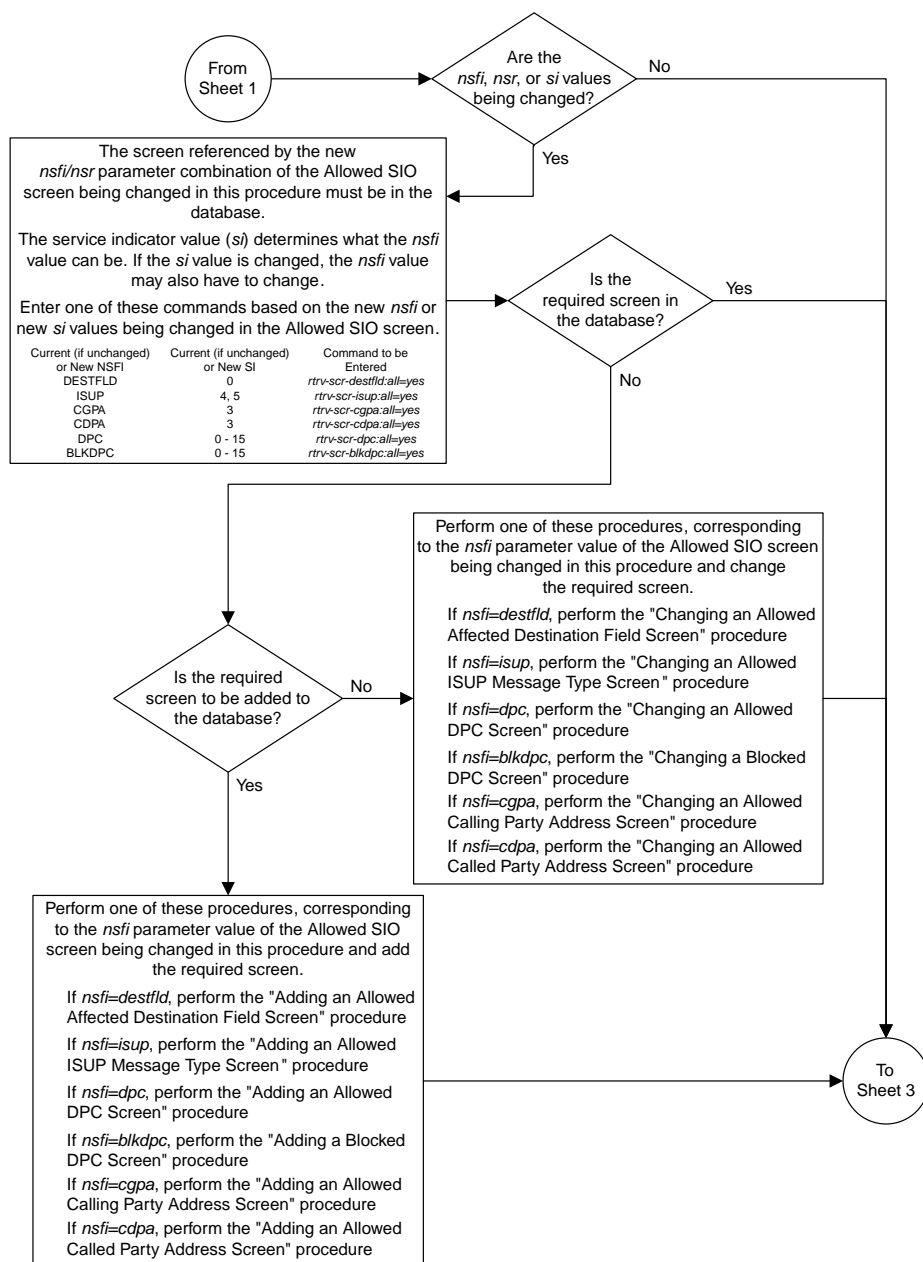
## Removing an Allowed SIO Screen



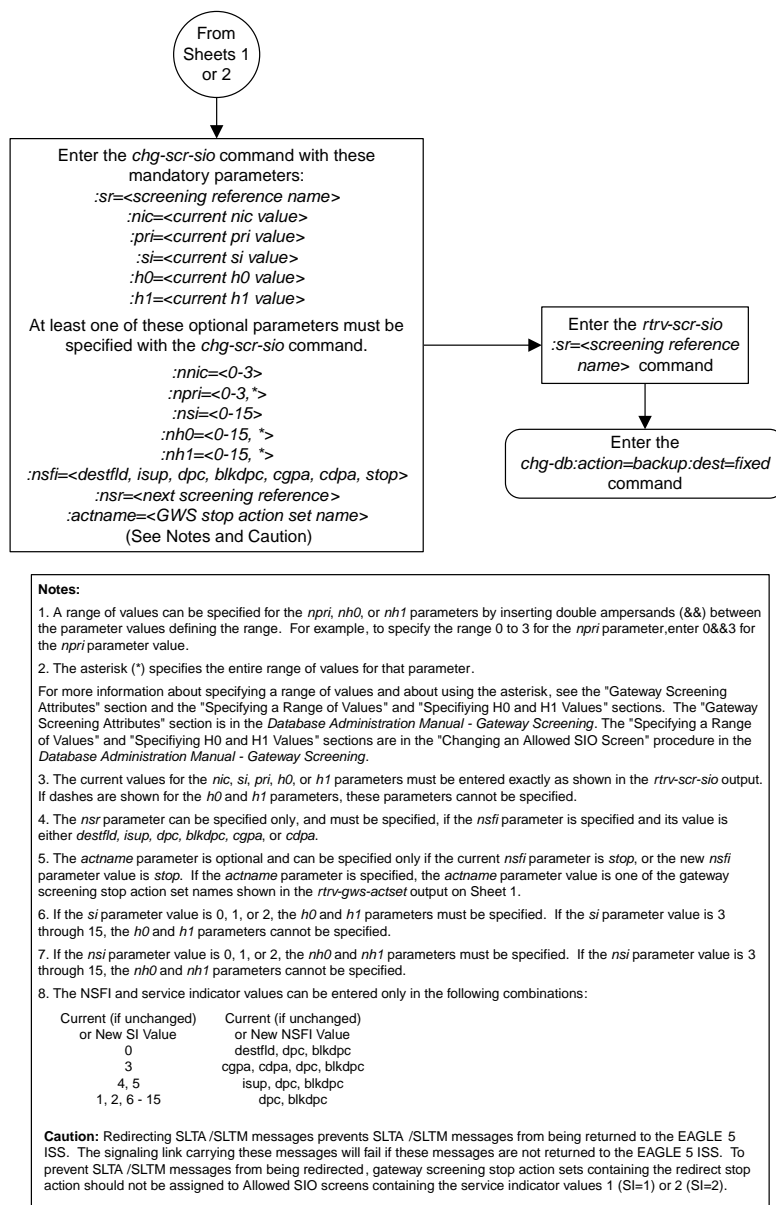
## Changing an Allowed SIO Screen



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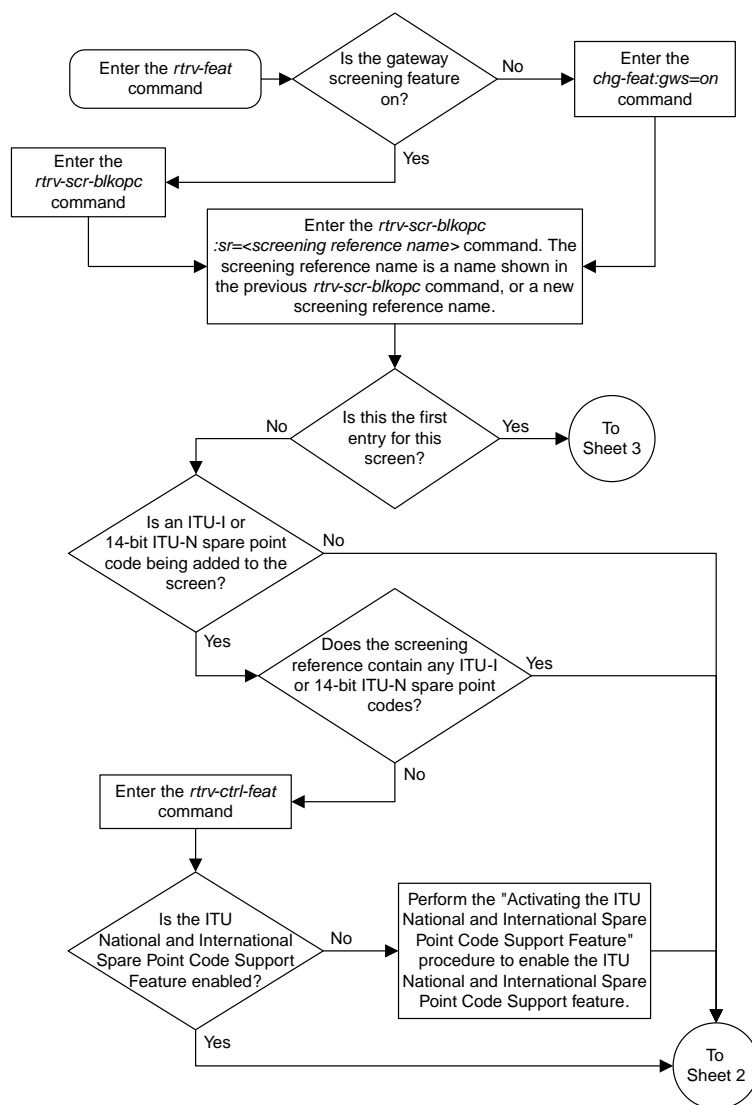


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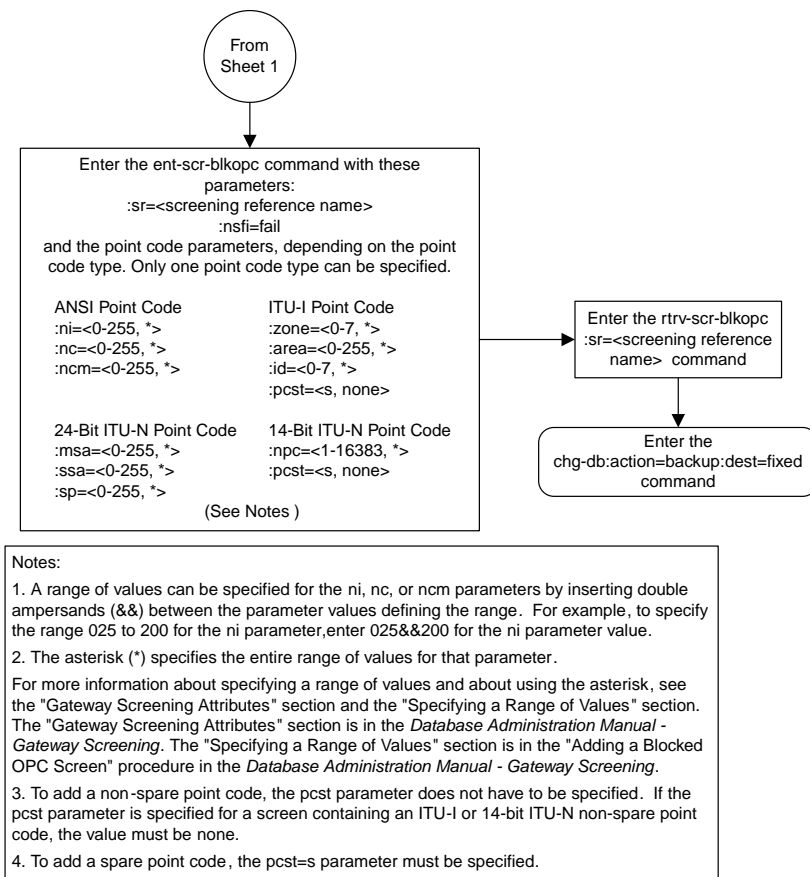


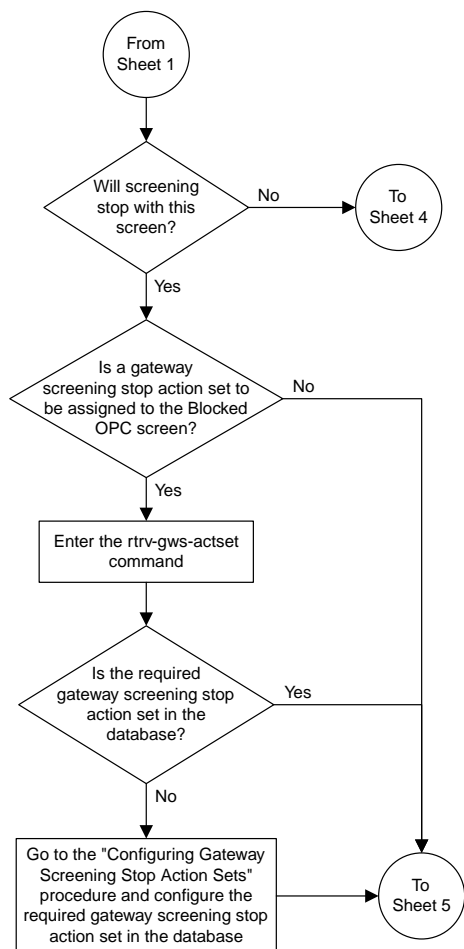


## Adding a Blocked OPC Screen

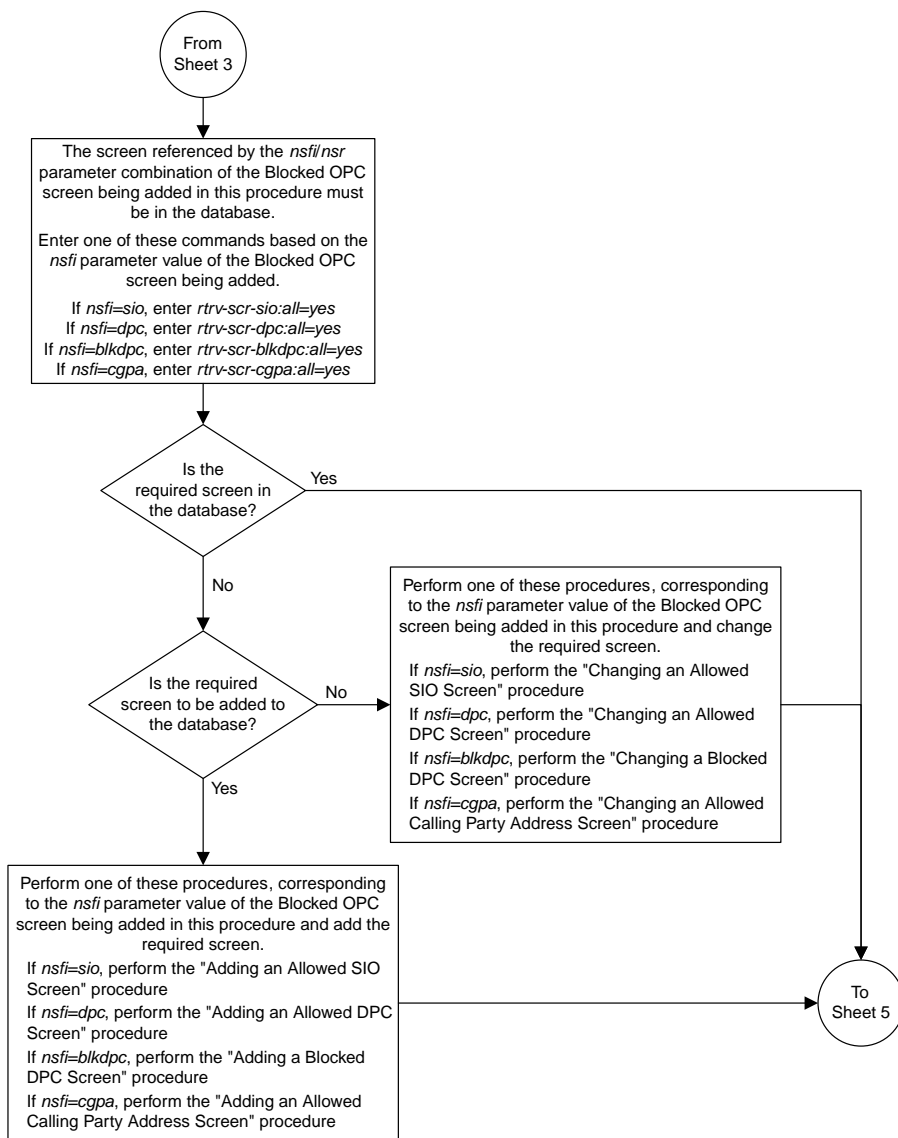


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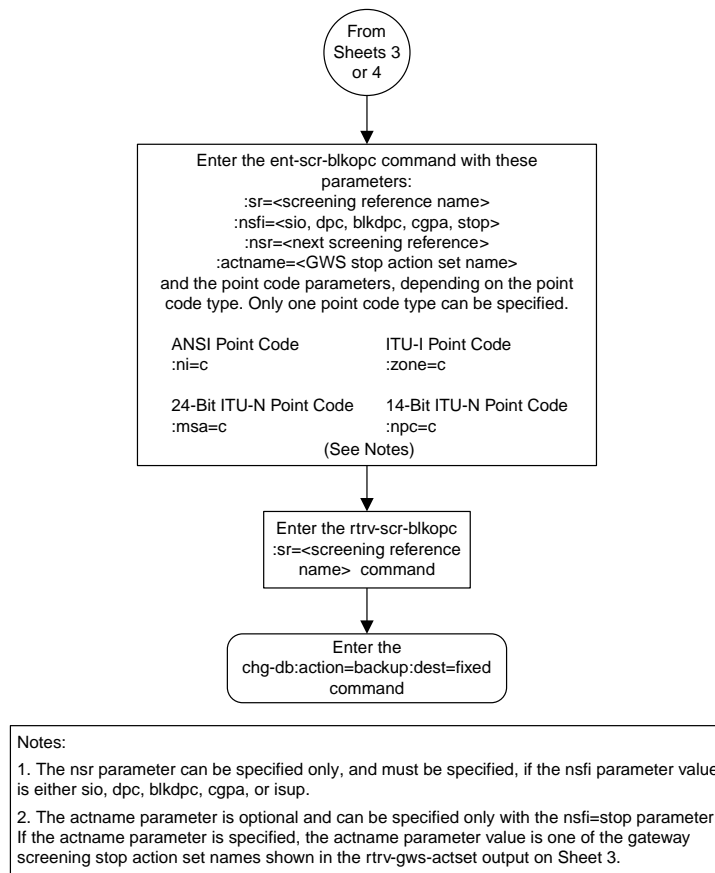




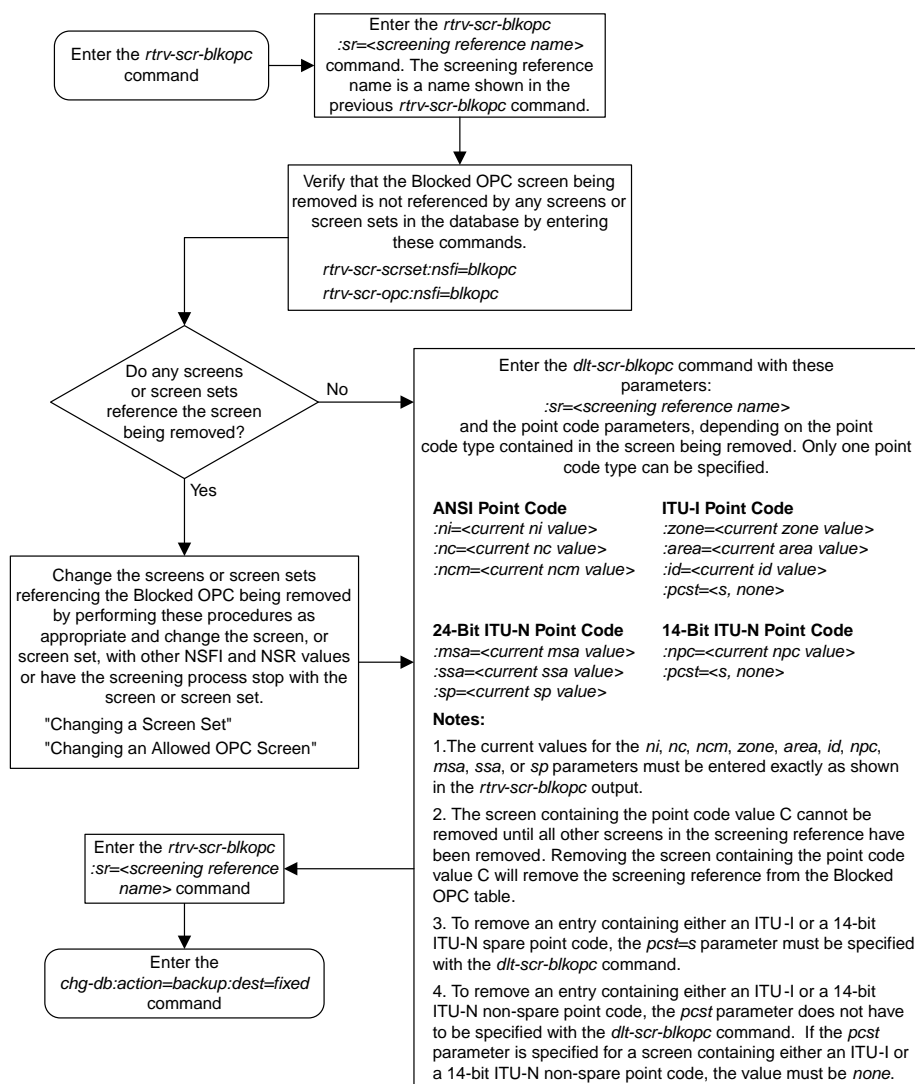
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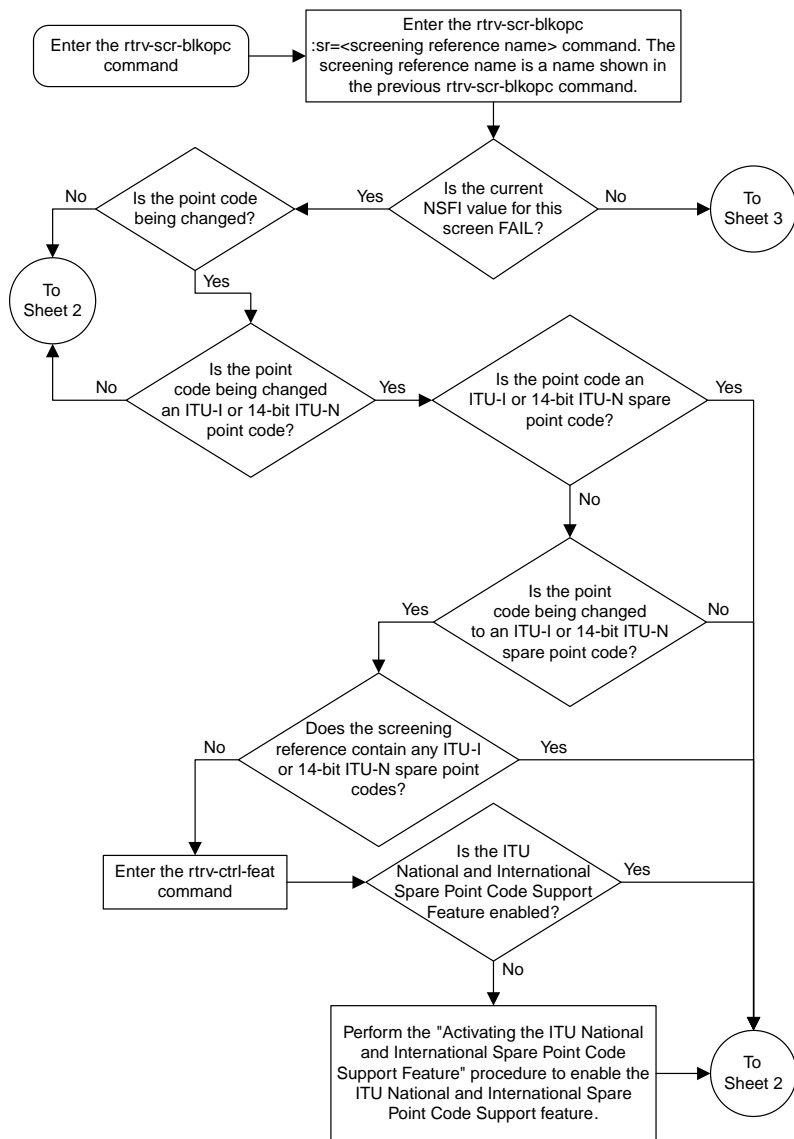
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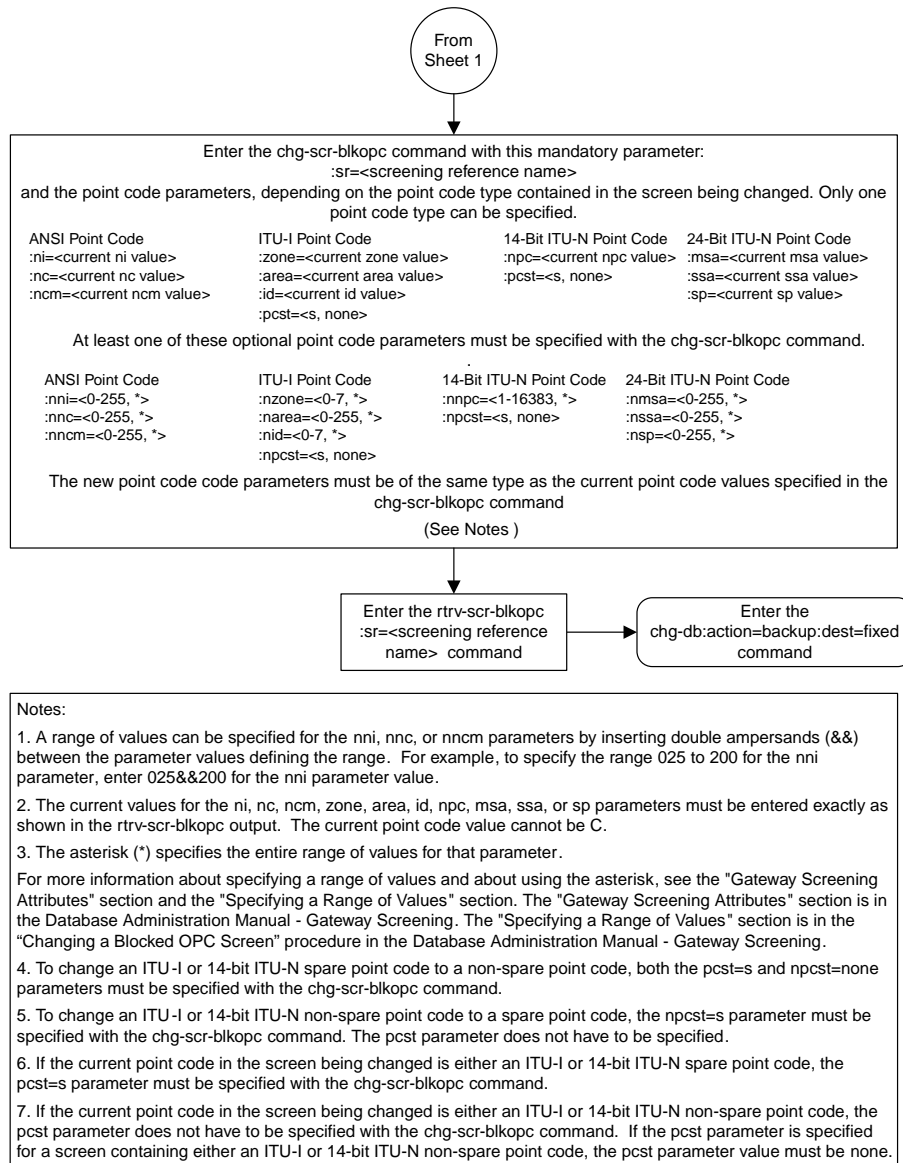
## Removing a Blocked OPC Screen



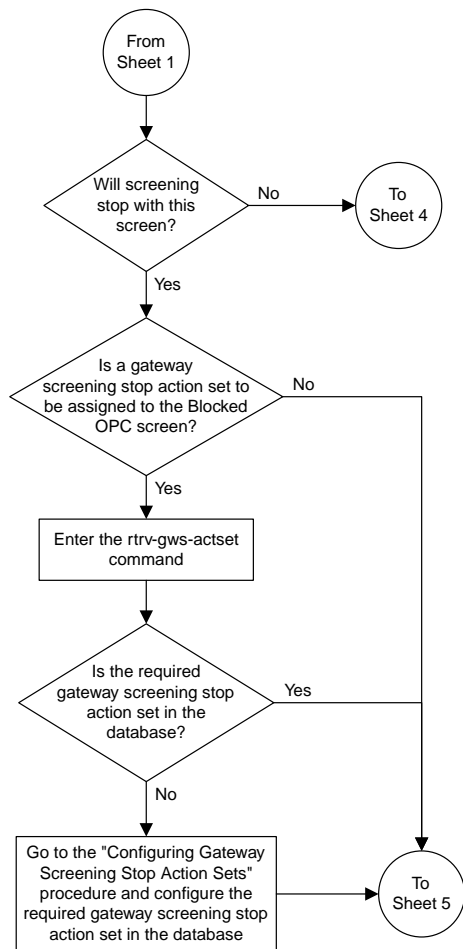
## Changing a Blocked OPC Screen



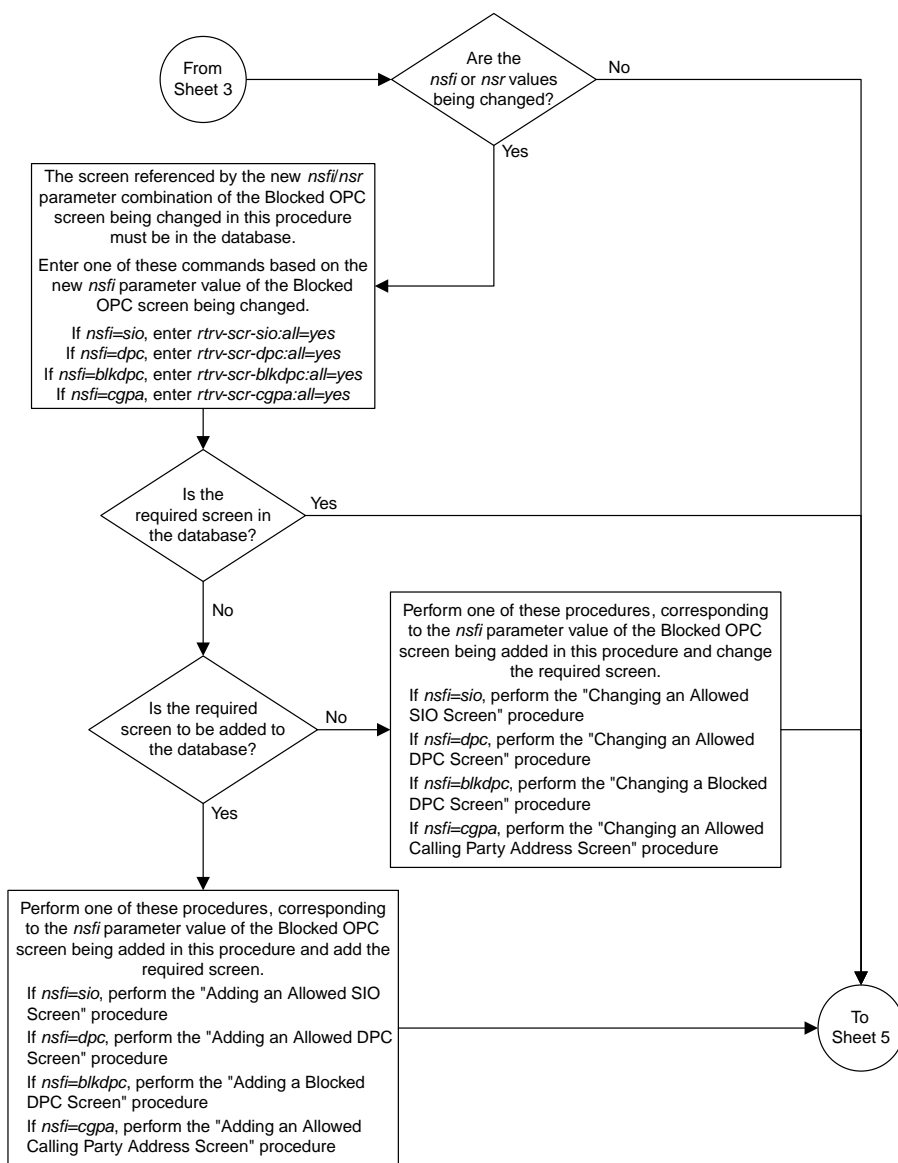
Sheet 1 of 5



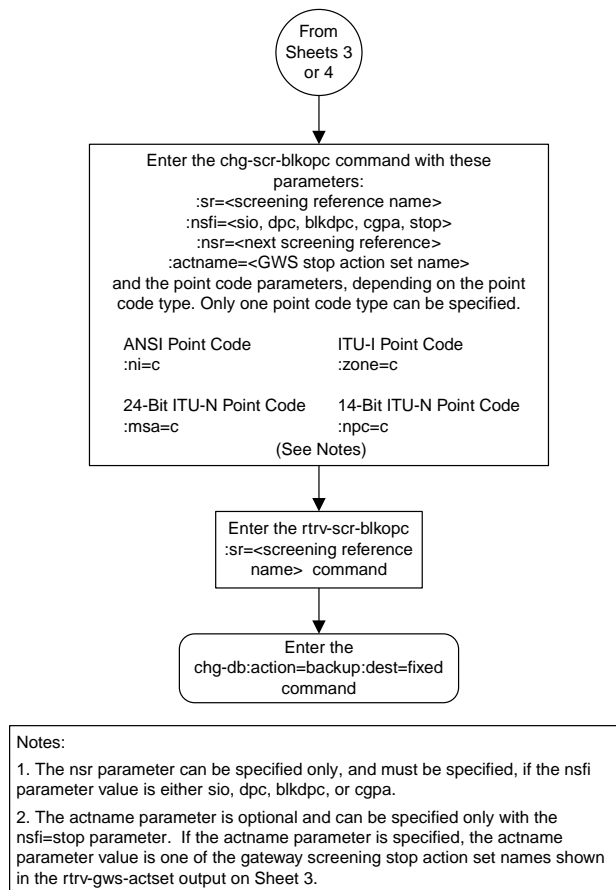




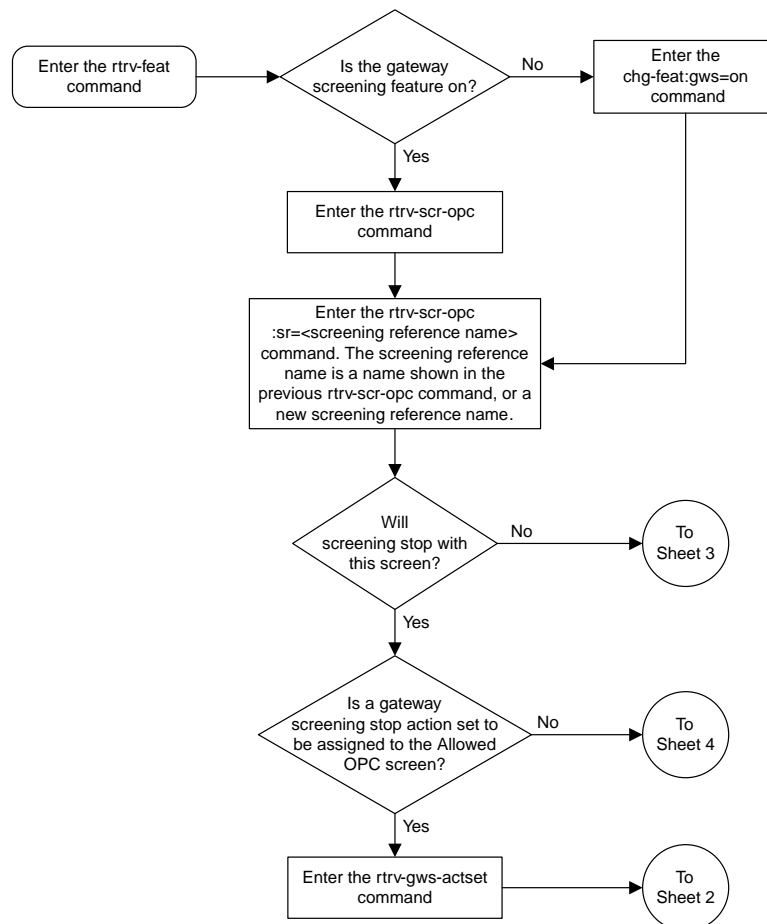
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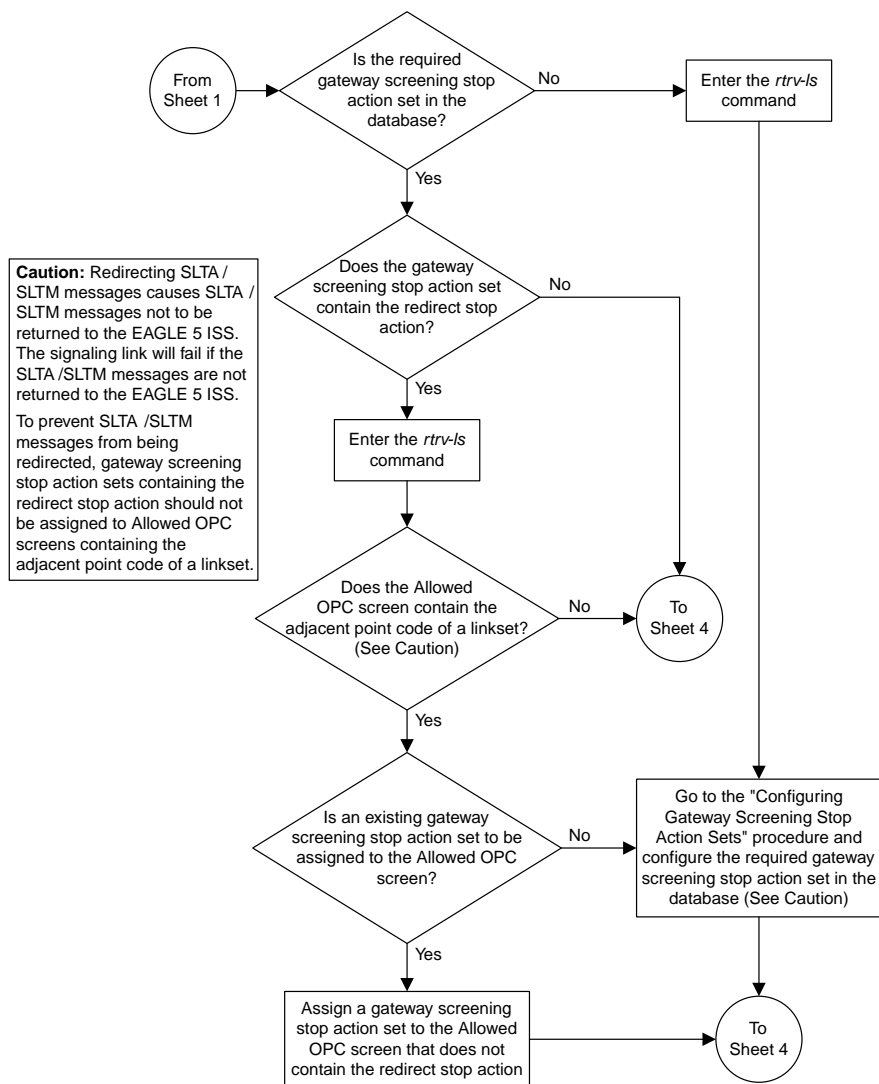


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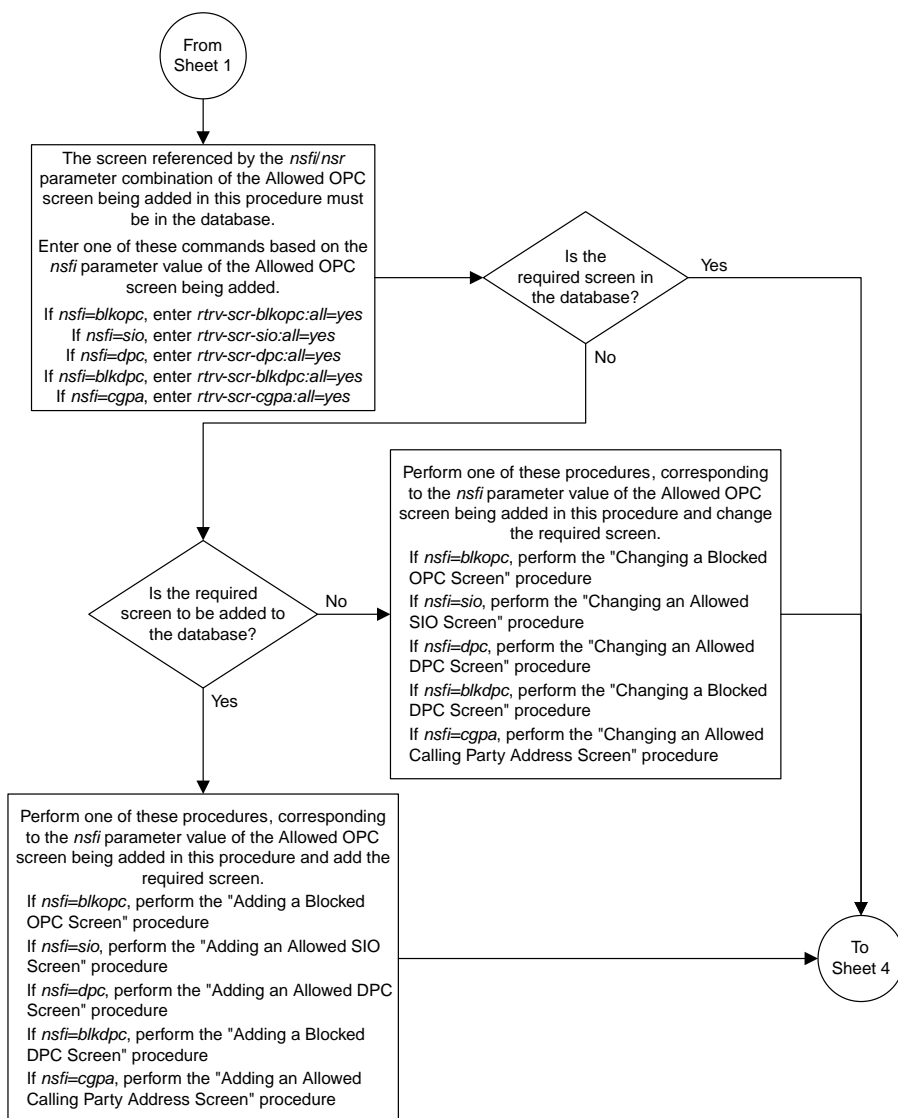


## Adding an Allowed OPC Screen

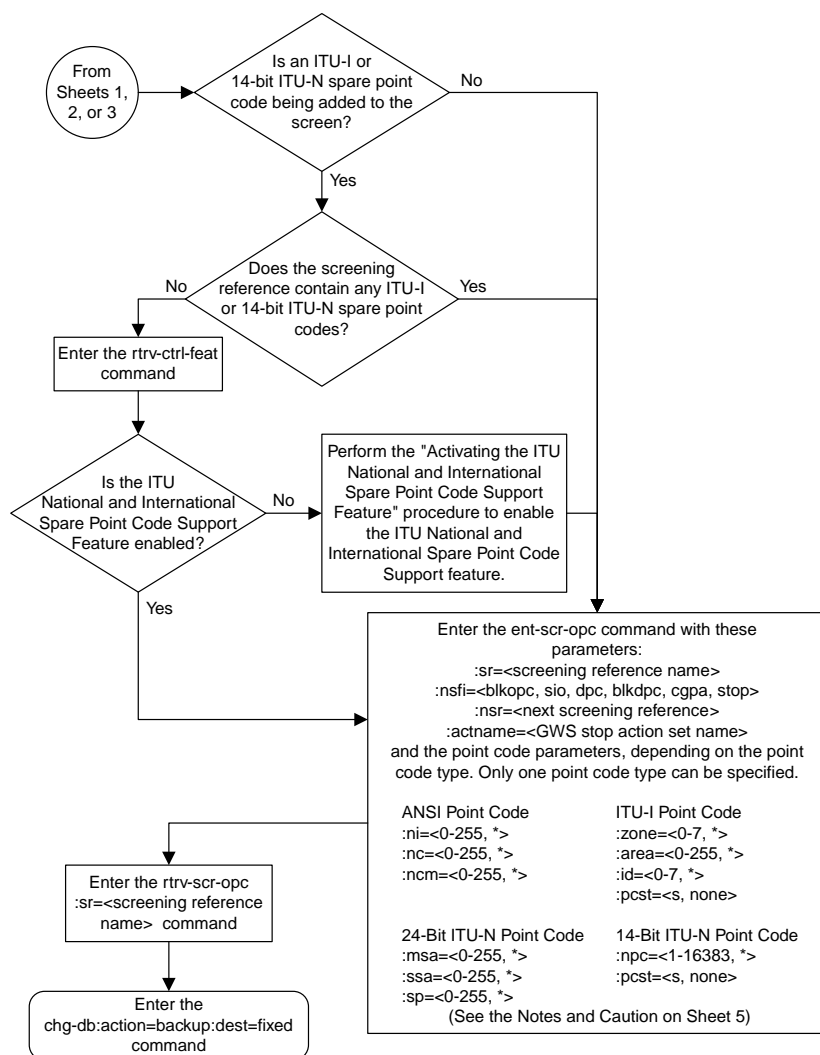




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**Notes:**

1. A range of values can be specified for the *ni*, *nc*, or *ncm* parameters by inserting double ampersands (&&) between the parameter values defining the range. For example, to specify the range 025 to 200 for the *ni* parameter, enter 025&&200 for the *ni* parameter value.

2. The asterisk (\*) specifies the entire range of values for that parameter.

For more information about specifying a range of values and about using the asterisk, see the "Gateway Screening Attributes" section and the "Specifying a Range of Values" section. The "Gateway Screening Attributes" section is in the *Database Administration Manual - Gateway Screening*. The "Specifying a Range of Values" section is in the "Adding an Allowed OPC Screen" procedure in the *Database Administration Manual - Gateway Screening*.

3. The *nsr* parameter can be specified only, and must be specified, if the *nsfi* parameter value is either *blkopc*, *sio*, *dpc*, *blkdpc*, or *cgpa*.

4. The *actname* parameter is optional and can be specified only with the *nsfi=stop* parameter. If the *actname* parameter is specified, the *actname* parameter value is one of the gateway screening stop action set names shown in the *rtrv-gws-actset* output on Sheet 1.

5. To add a non-spare point code, the *pcst* parameter does not have to be specified. If the *pcst* parameter is specified for a screen containing an ITU-I or 14-bit ITU-N non-spare point code, the value must be *none*.

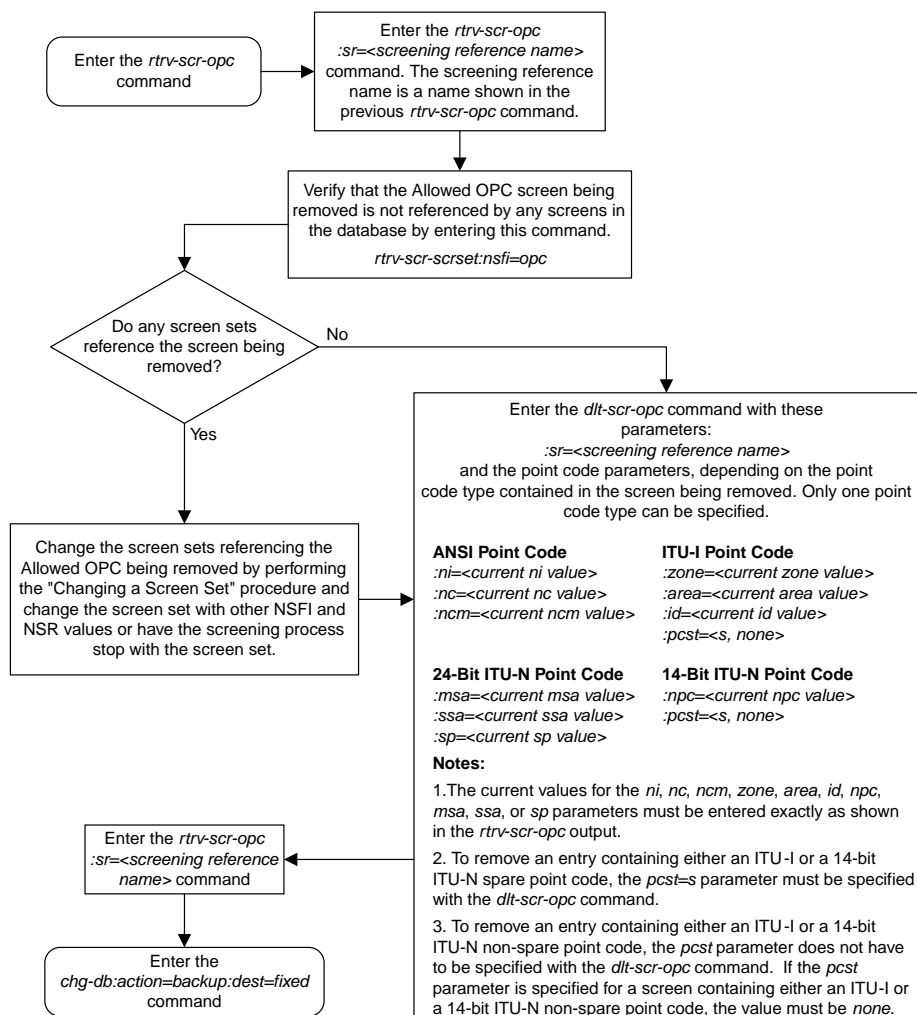
6. To add a spare point code, the *pcst=s* parameter must be specified.

**Caution:** Redirecting SLTA/SLTM messages causes SLTA/SLTM messages not to be returned to the EAGLE 5 ISS. The signaling link will fail if the SLTA/SLTM messages are not returned to the EAGLE 5 ISS.

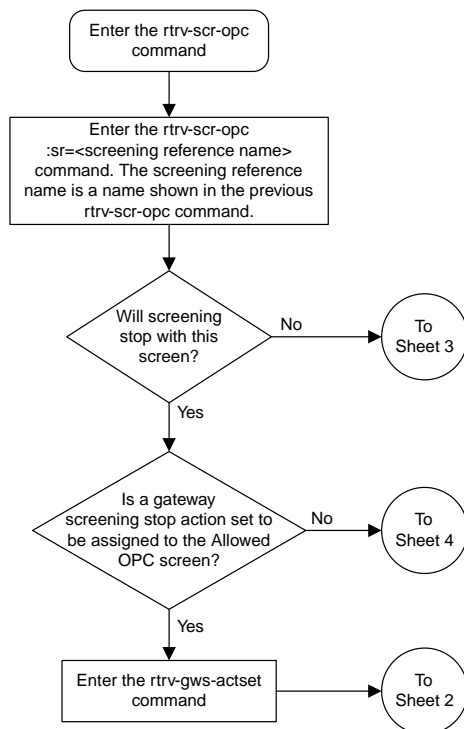
To prevent SLTA/SLTM messages from being redirected, gateway screening stop action sets containing the redirect stop action should not be assigned to Allowed OPC screens containing the adjacent point code of a linkset.



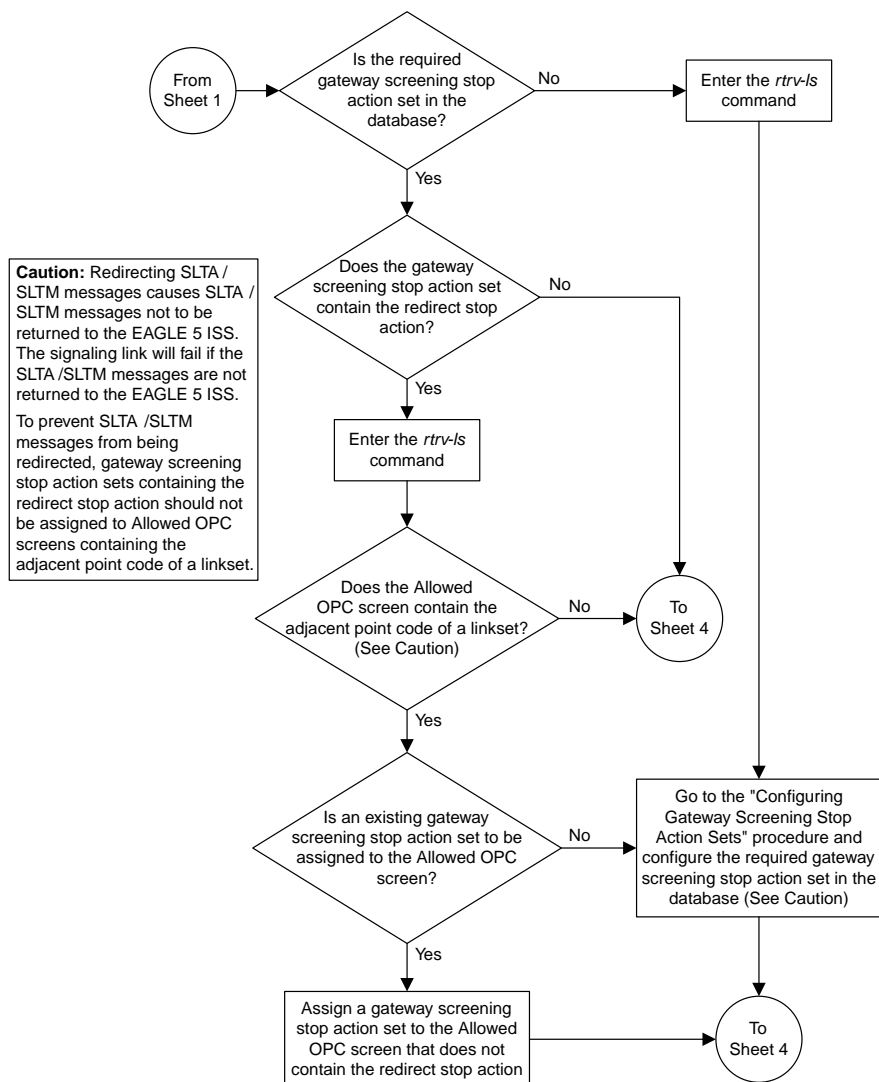
## Removing an Allowed OPC Screen



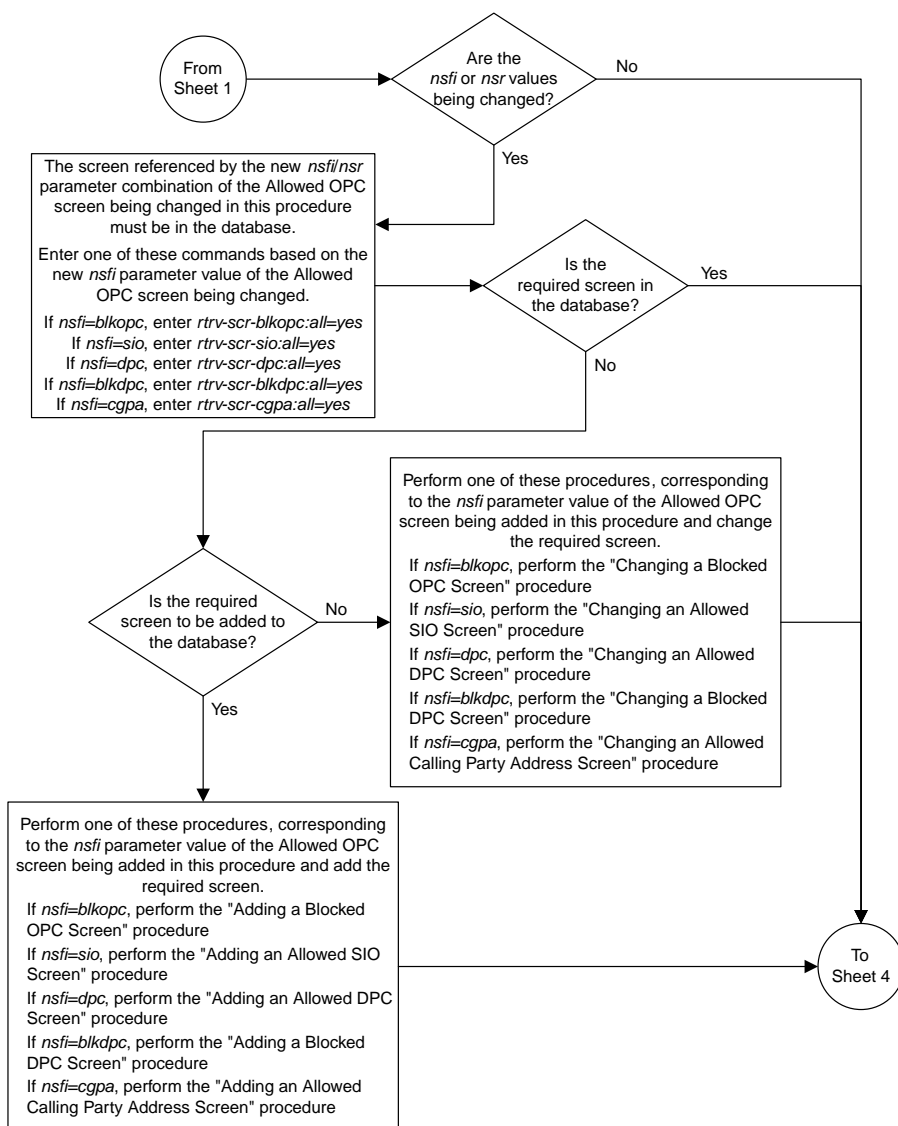
## Changing an Allowed OPC Screen



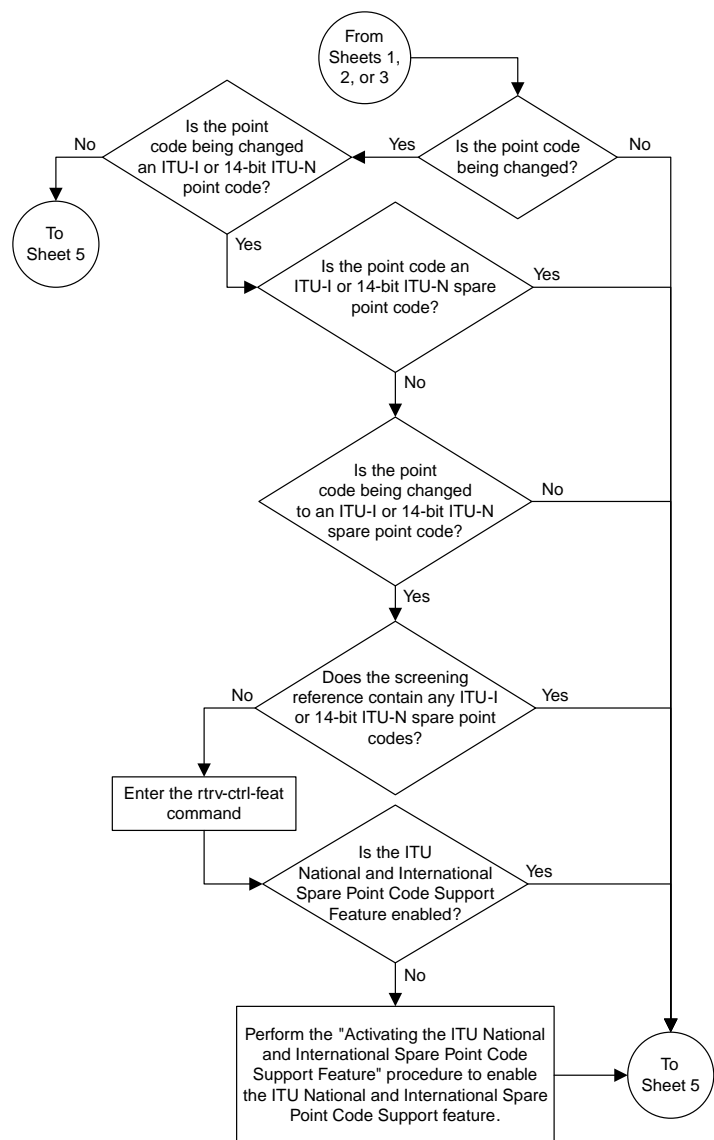
Sheet 1 of 6

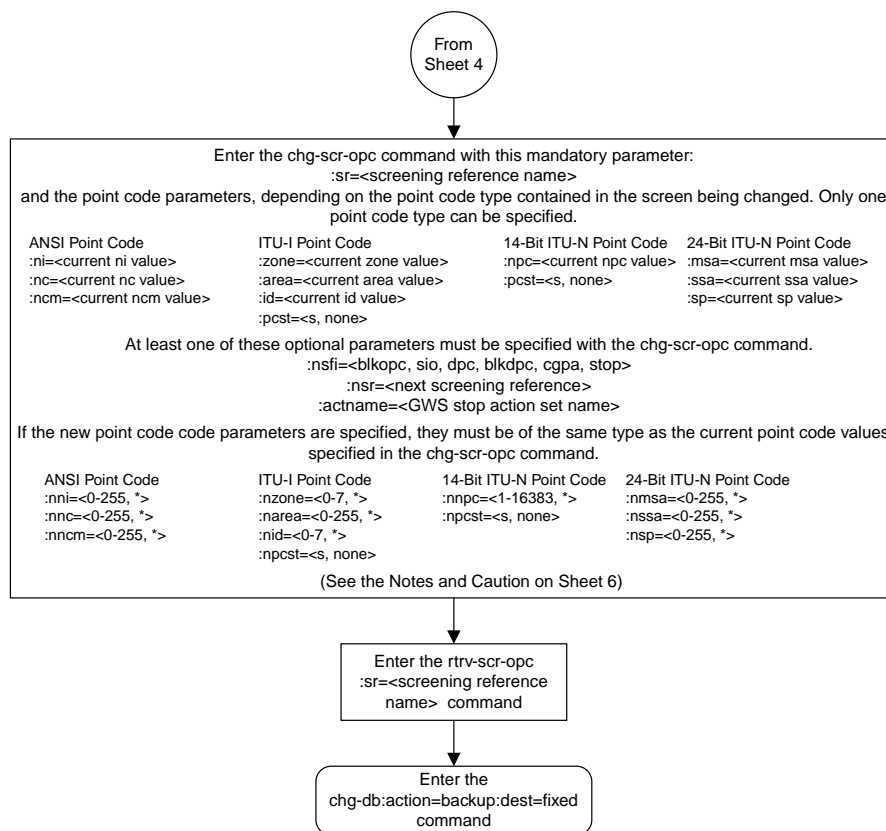


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**Notes:**

1. A range of values can be specified for the *ni*, *nc*, or *ncm* parameters by inserting double ampersands (&&) between the parameter values defining the range. For example, to specify the range 025 to 200 for the *ni* parameter, enter 025&&200 for the *ni* parameter value.

2. The asterisk (\*) specifies the entire range of values for that parameter.

For more information about specifying a range of values and about using the asterisk, see the "Gateway Screening Attributes" section and the "Specifying a Range of Values" section. The "Gateway Screening Attributes" section is in the *Database Administration Manual - Gateway Screening*. The "Specifying a Range of Values" section is in the "Changing an Allowed OPC Screen" procedure in the *Database Administration Manual - Gateway Screening*.

3. The *nsr* parameter can be specified, and must be specified, if the *nsfi* parameter value is either *blkopc*, *sio*, *dpc*, *blkdpc*, or *cgpa*.

4. The *actname* parameter is optional and can be specified only with the *nsfi=stop* parameter. If the *actname* parameter is specified, the *actname* parameter value is one of the gateway screening stop action set names shown in the *rtrv-gws-actset* output on Sheet 1.

5. To change an ITU-I or 14-bit ITU-N spare point code to a non-spare point code, both the *pcst=s* and *npcst=none* parameters must be specified with the *chg-scr-opc* command.

6. To change an ITU-I or 14-bit ITU-N non-spare point code to a spare point code, the *npcst=s* parameter must be specified with the *chg-scr-opc* command. The *pcst* parameter does not have to be specified.

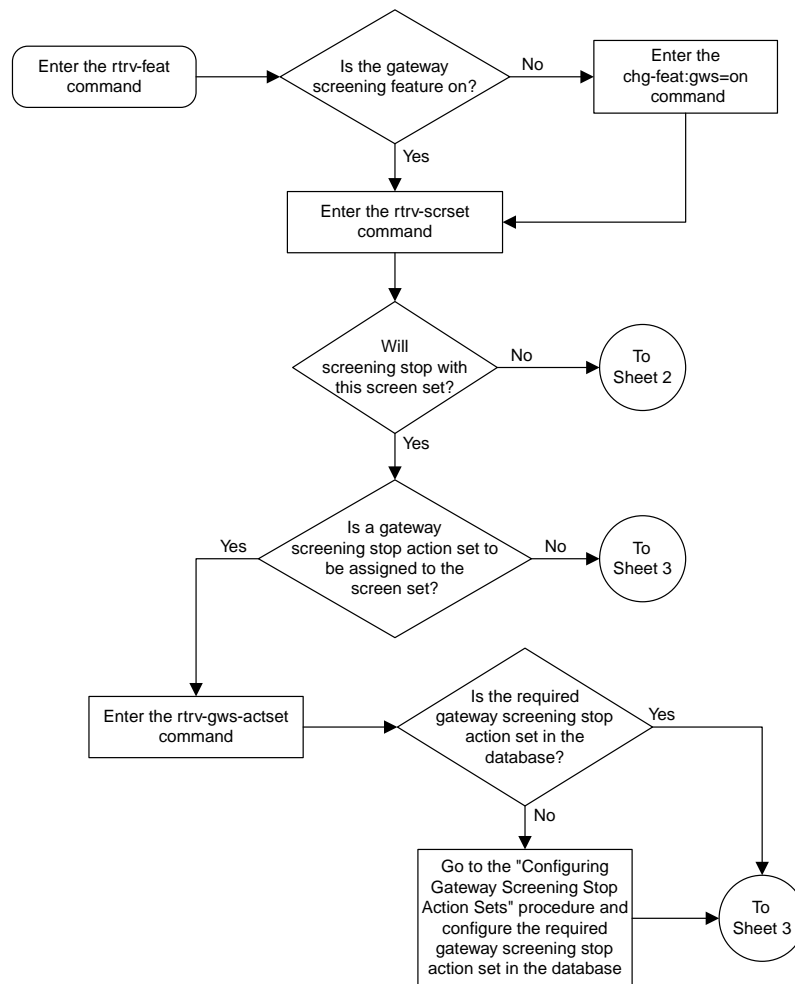
7. If the current point code in the screen being changed is either an ITU-I or 14-bit ITU-N spare point code, the *pcst=s* parameter must be specified with the *chg-scr-opc* command.

8. If the current point code in the screen being changed is either an ITU-I or 14-bit ITU-N non-spare point code, the *pcst* parameter does not have to be specified with the *chg-scr-opc* command. If the *pcst* parameter is specified for a screen containing either an ITU-I or 14-bit ITU-N non-spare point code, the *pcst* parameter value must be *none*.

**Caution:** Redirecting SLTA /SLTM messages causes SLTA /SLTM messages not to be returned to the EAGLE 5 ISS. The signaling link will fail if the SLTA /STM messages are not returned to the EAGLE 5 ISS.

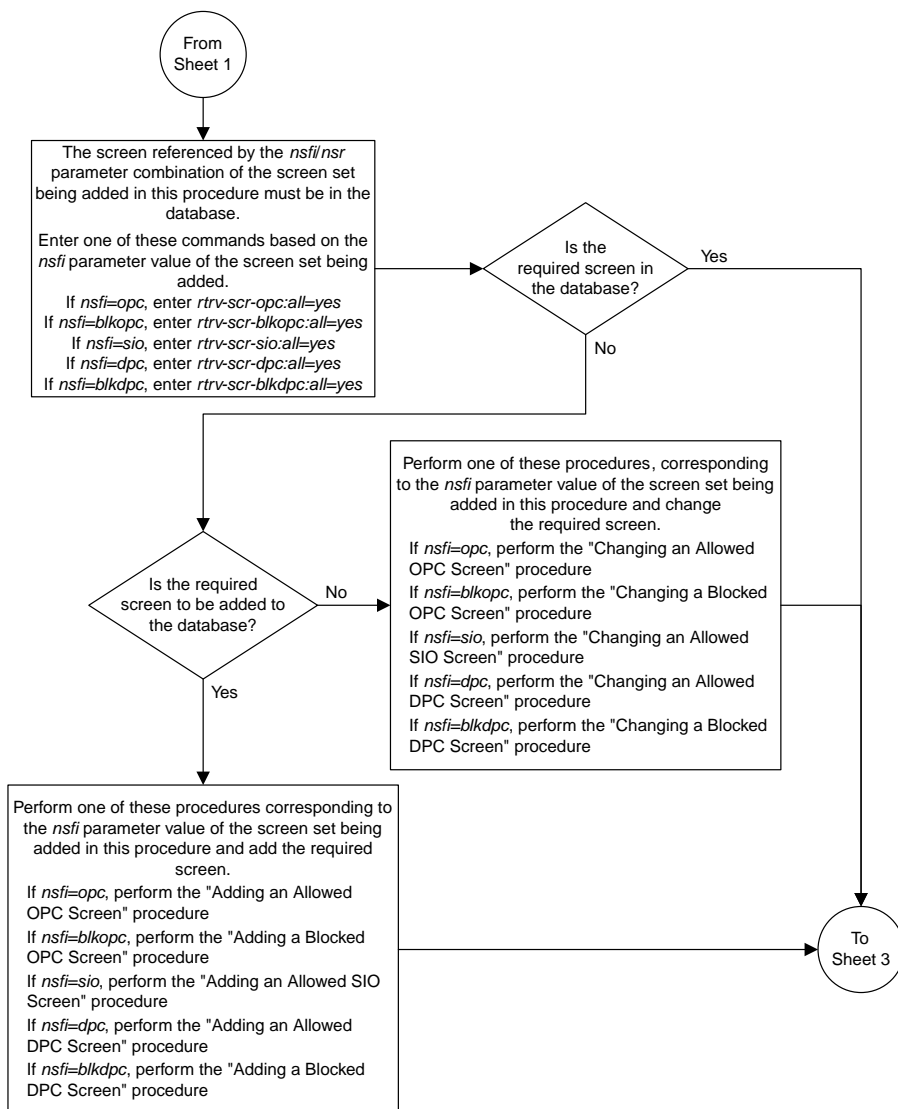
To prevent SLTA /SLTM messages from being redirected, gateway screening stop action sets containing redirect stop action should not be assigned to Allowed OPC screens containing the adjacent point code of a linkset.

## Adding a Screen Set

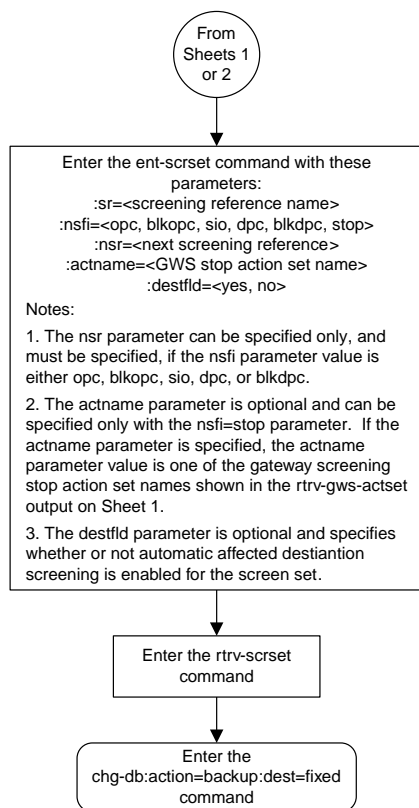


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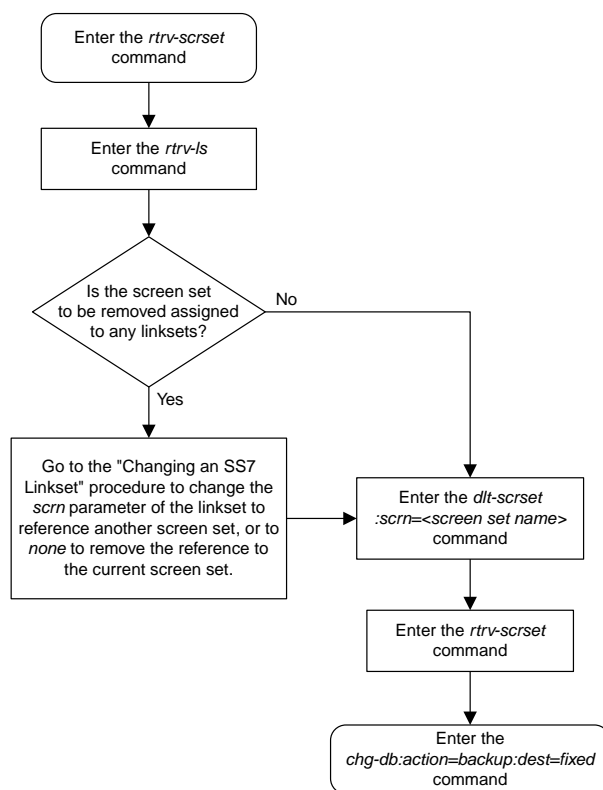




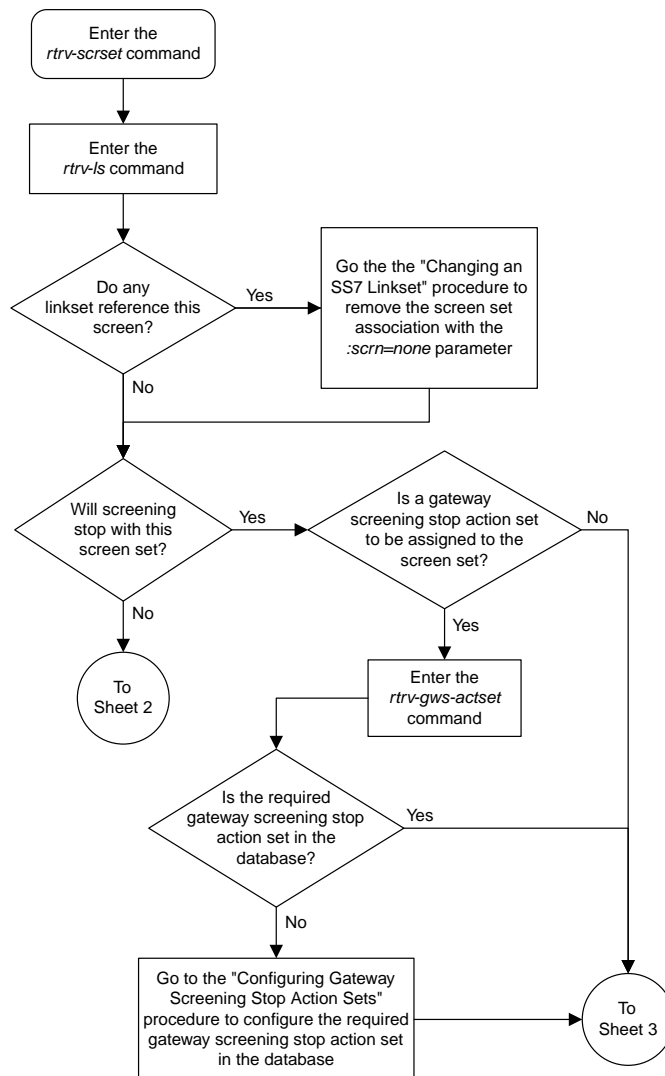
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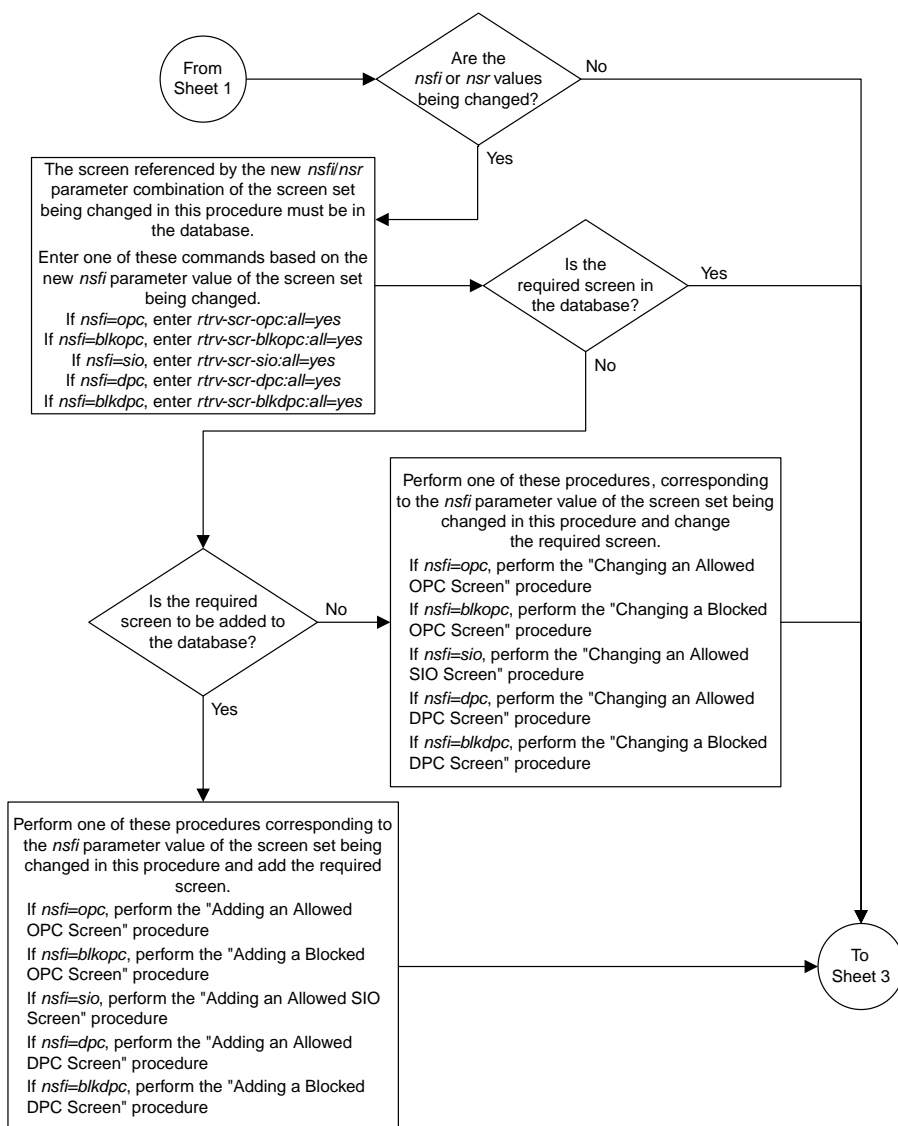
## Removing a Screen Set



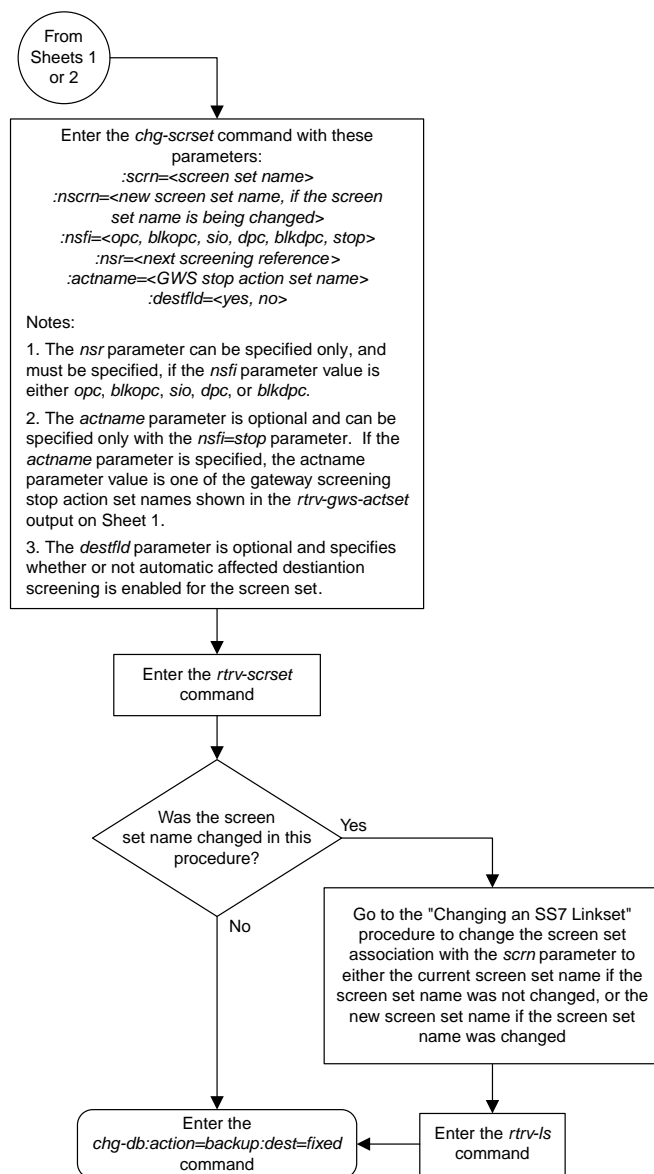
## Changing a Screen Set



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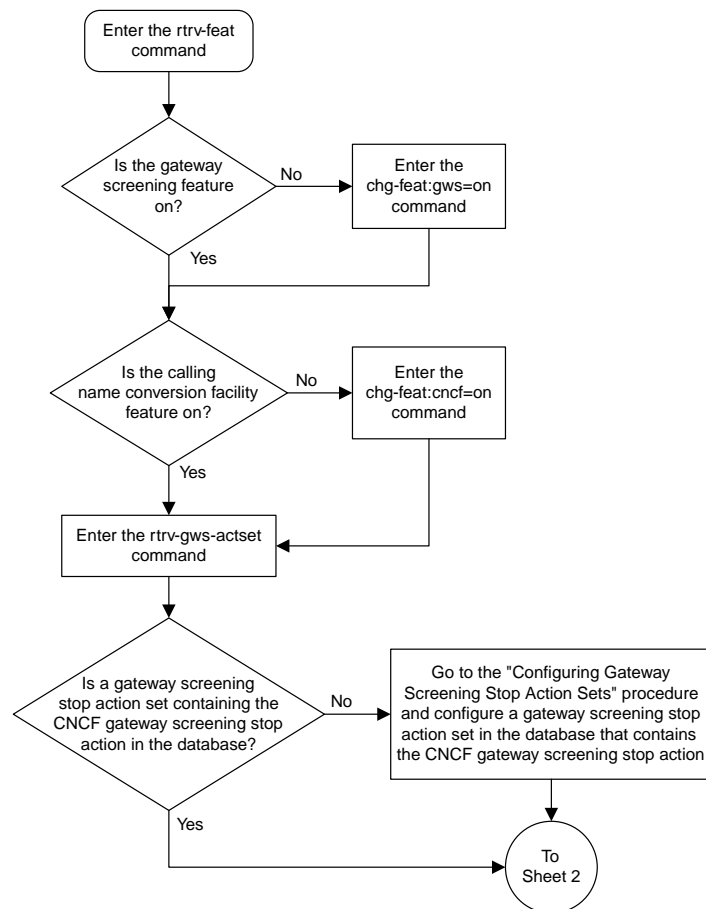


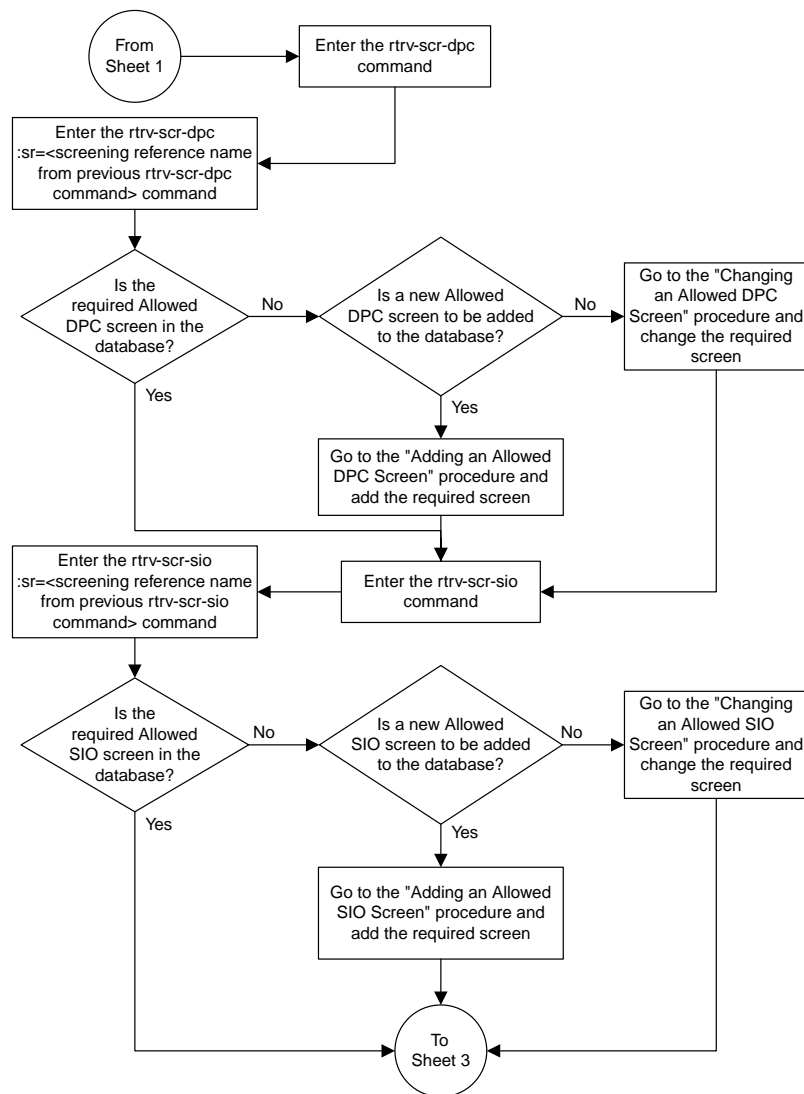
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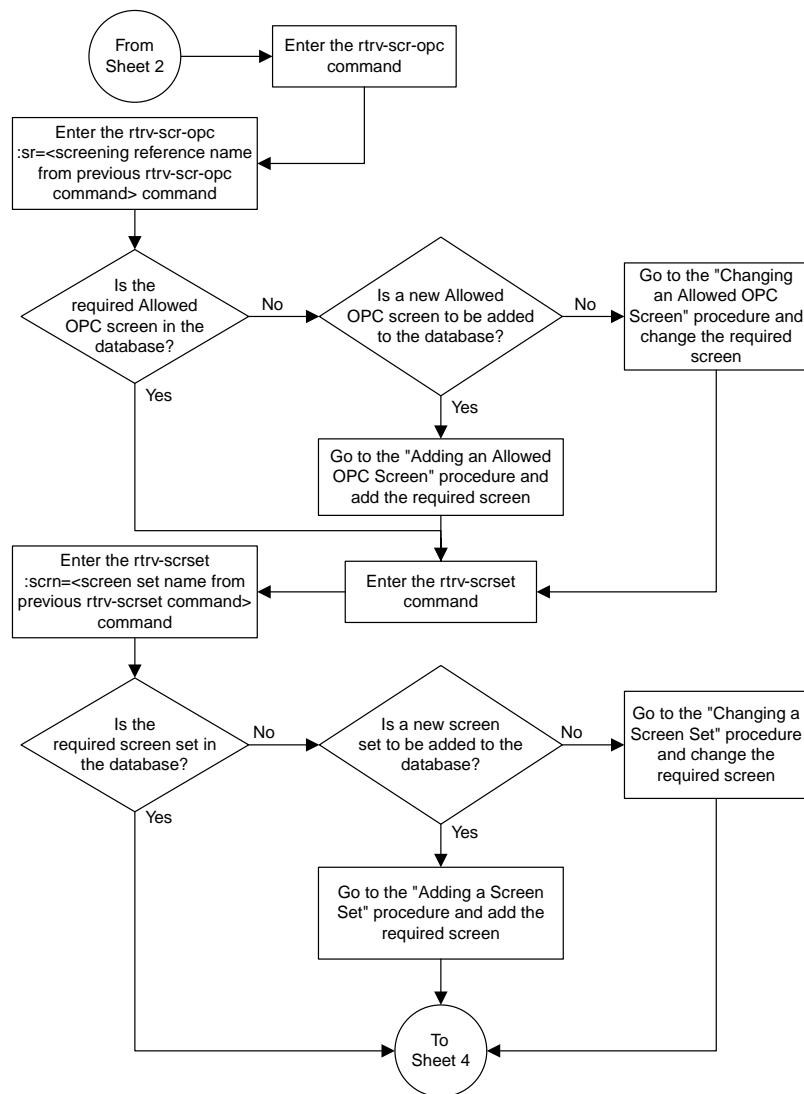
## Configuring the EAGLE 5 ISS for the CNCF Feature



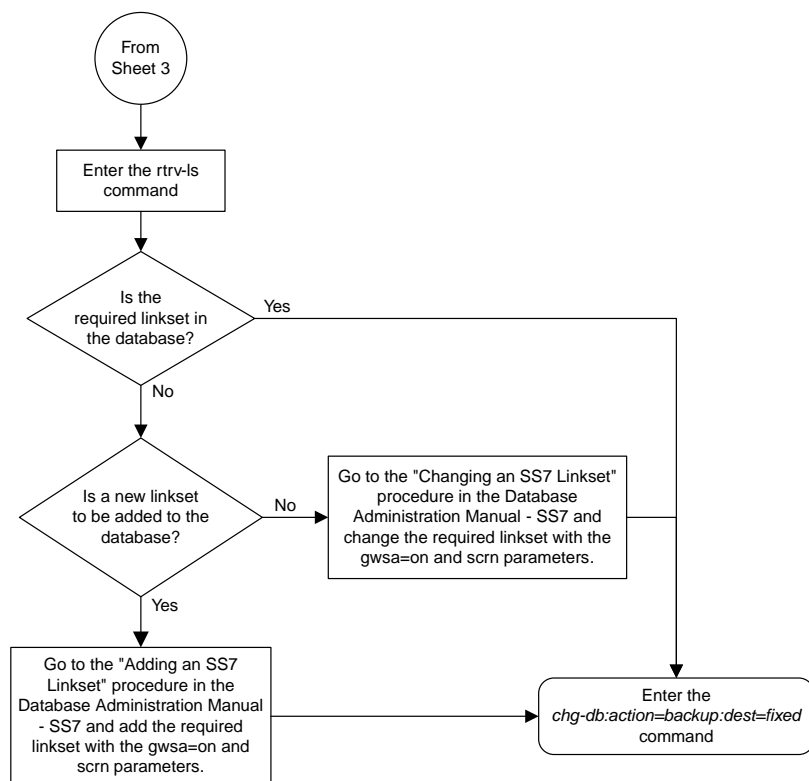


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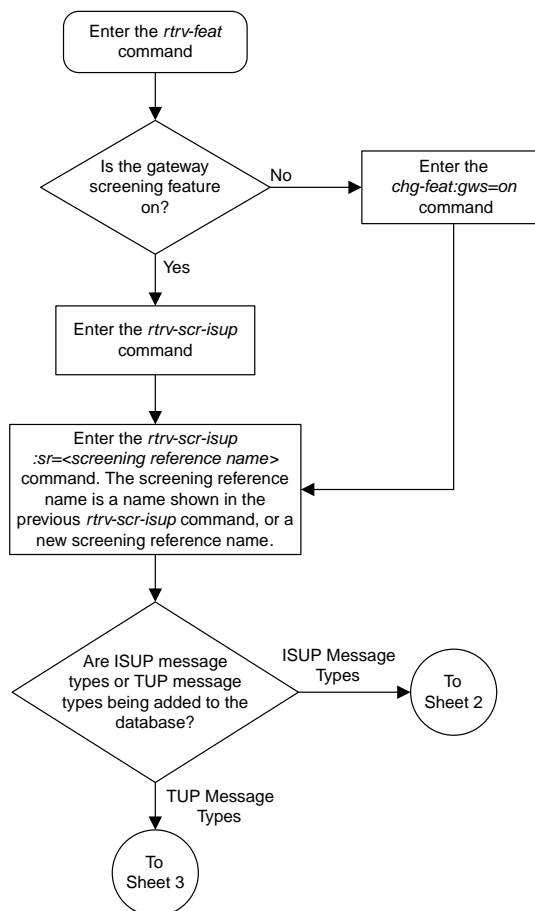


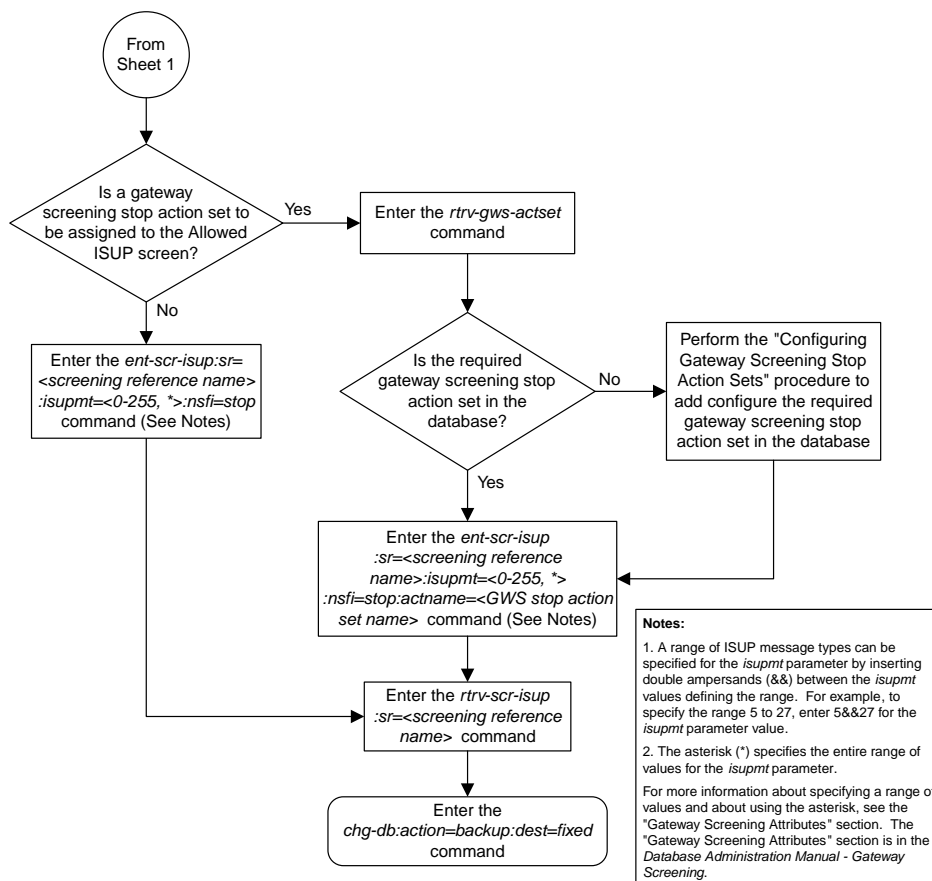
Sheet 3 of 4

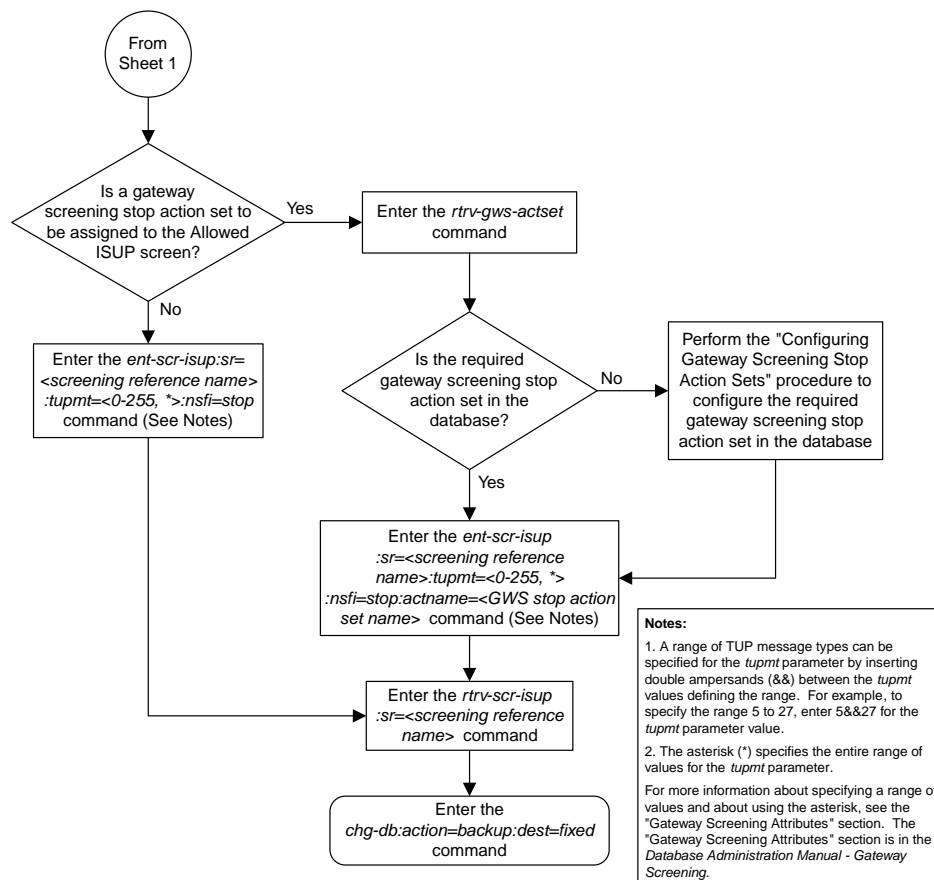


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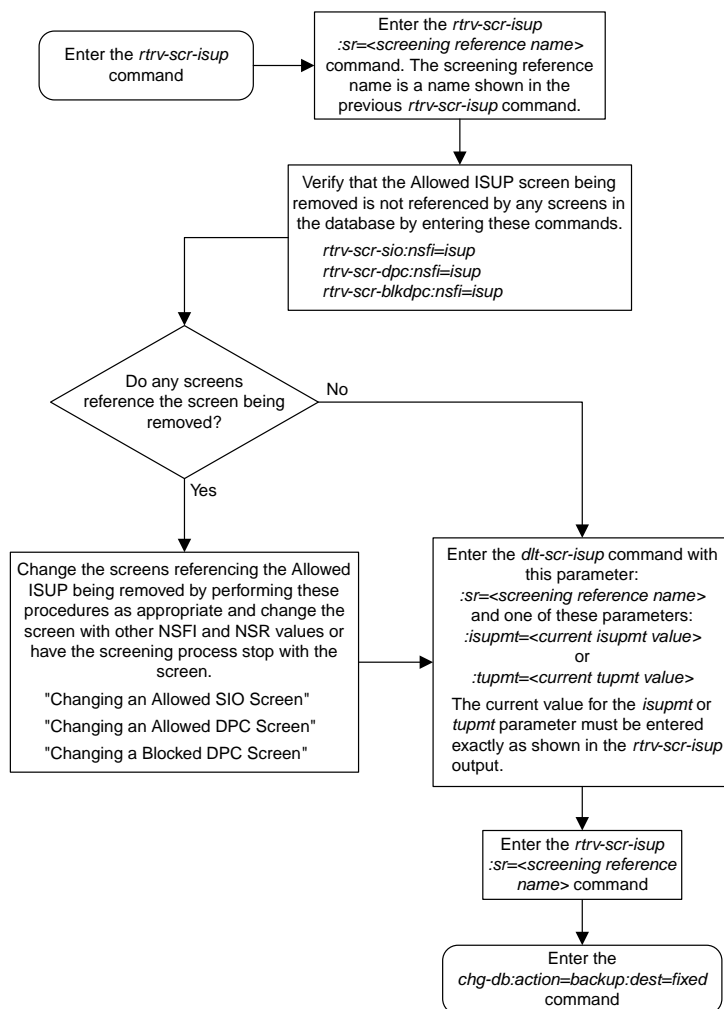
## Adding an Allowed ISUP Message Type Screen



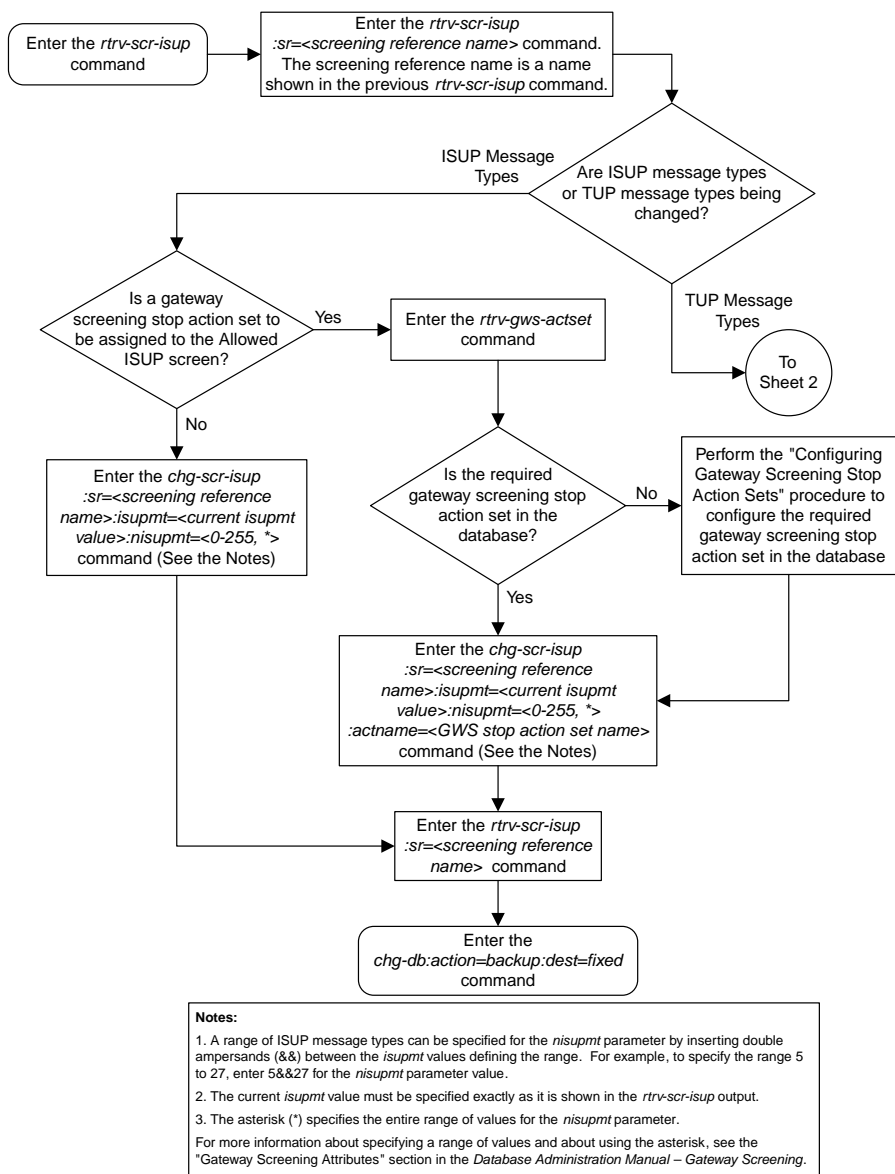


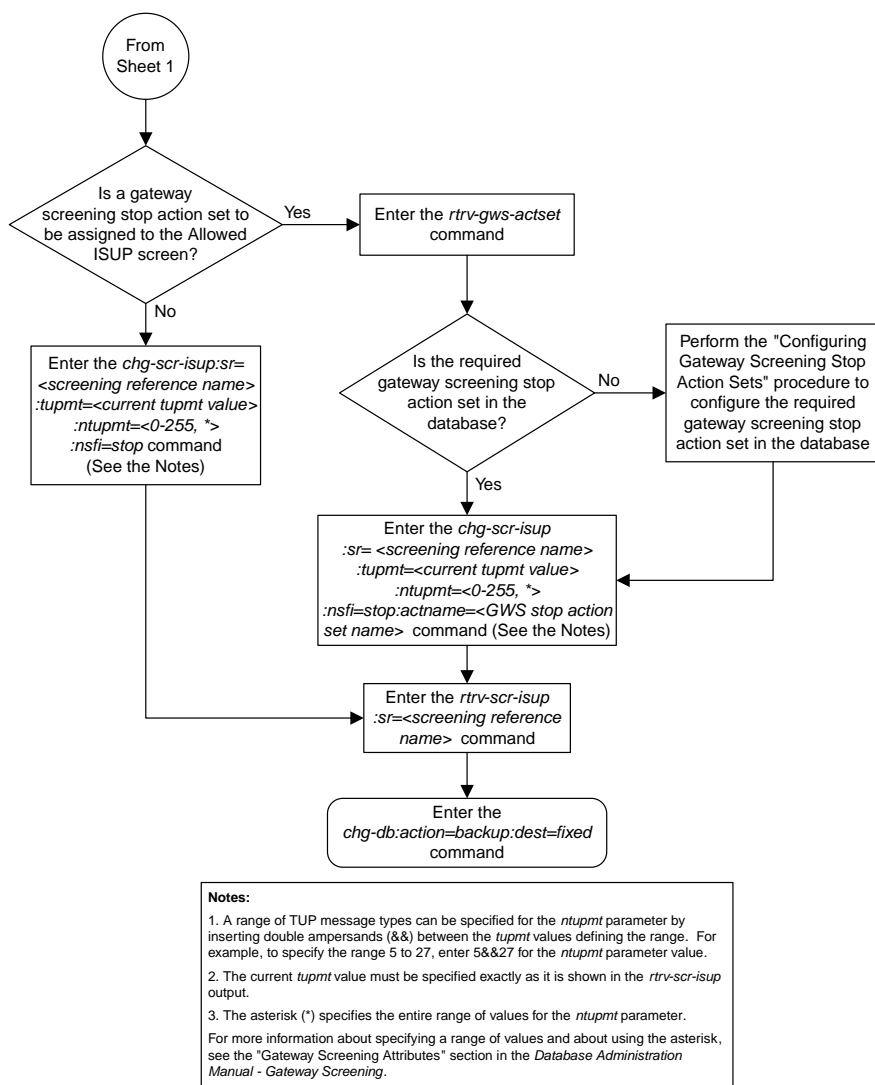


## Removing an Allowed ISUP Message Type Screen



## Changing an Allowed ISUP Message Type Screen







# Chapter 7

## Basic Global Title Translation Configuration Flowcharts

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### Topics:

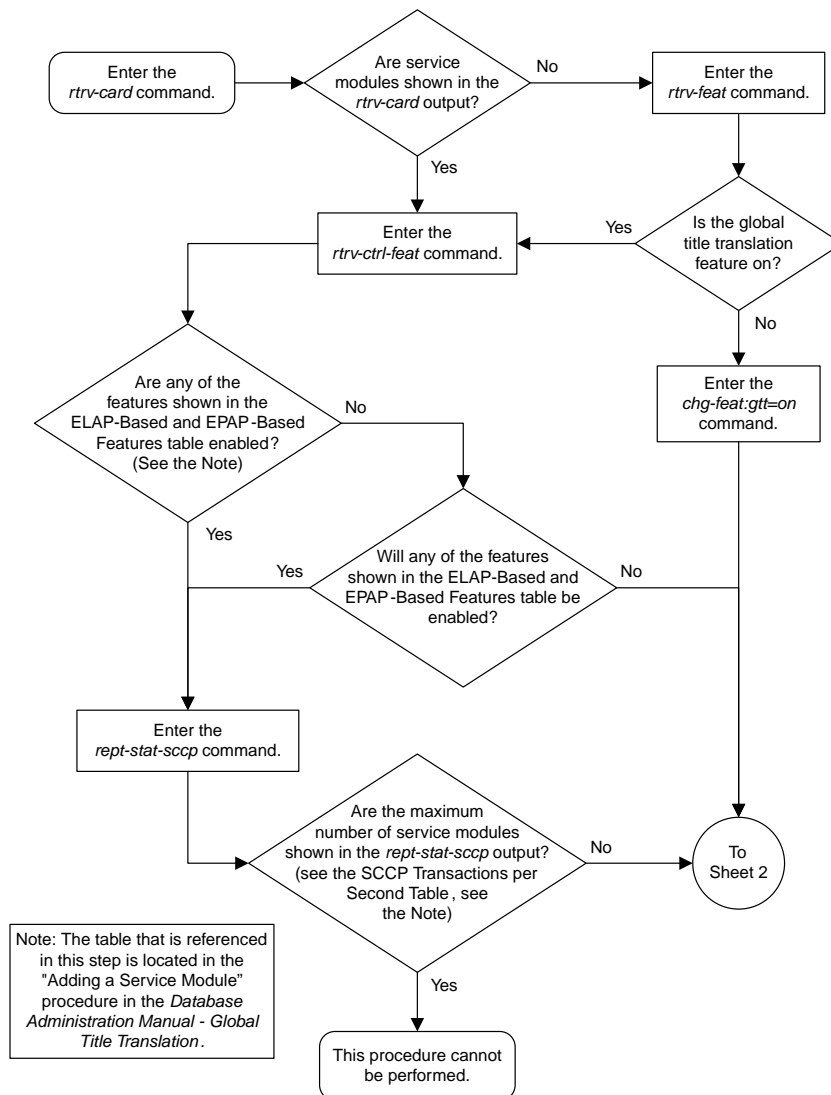
- *Adding a Service Module.....276*
- *Removing a Service Module.....279*
- *Adding a Mapped SS7 Message Translation Type.....280*
- *Removing a Mapped SS7 Message Translation Type.....281*
- *Changing a Mapped SS7 Message Translation Type.....282*
- *Adding a Concerned Signaling Point Code.....283*
- *Removing a Concerned Signaling Point Code..287*
- *Provisioning a Solitary Mated Application.....290*
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- *Provisioning a Load Shared Mated Application.....318*
- *Provisioning a Combined Dominant/Load Shared Mated Application.....329*
- *Removing a Mated Application.....340*
- *Changing the Attributes of a Mated Application.....345*
- *Changing the Mated Application Type.....351*
- *Changing the Weight and In-Service Threshold Values of a Mated Application.....357*
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- *Changing the Relative Cost Values of MRN Entries.....379*
- *Changing MRN Entries with the ESWT Parameter.....380*
- *Changing the Weight and Threshold Values of MRN Entries.....384*

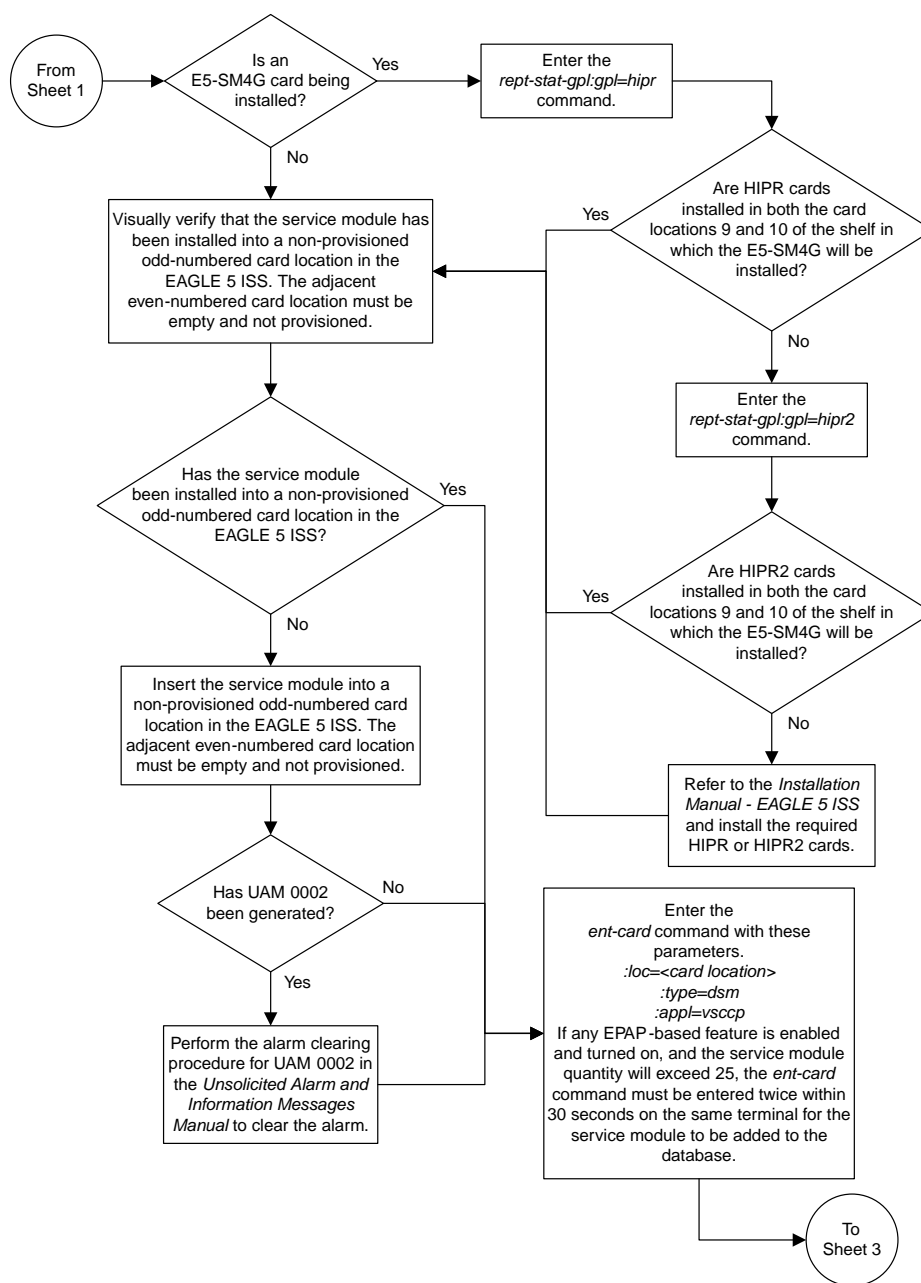
This chapter contains the flowcharts for the procedures to configure the entities that are common to both the Global Title Translation (GTT) and Enhanced Global Title Translation (EGTT) features. These procedures are located in the "Global Title Translation (GTT) Overview" section of the *Database Administration Manual - Global Title Translation*.

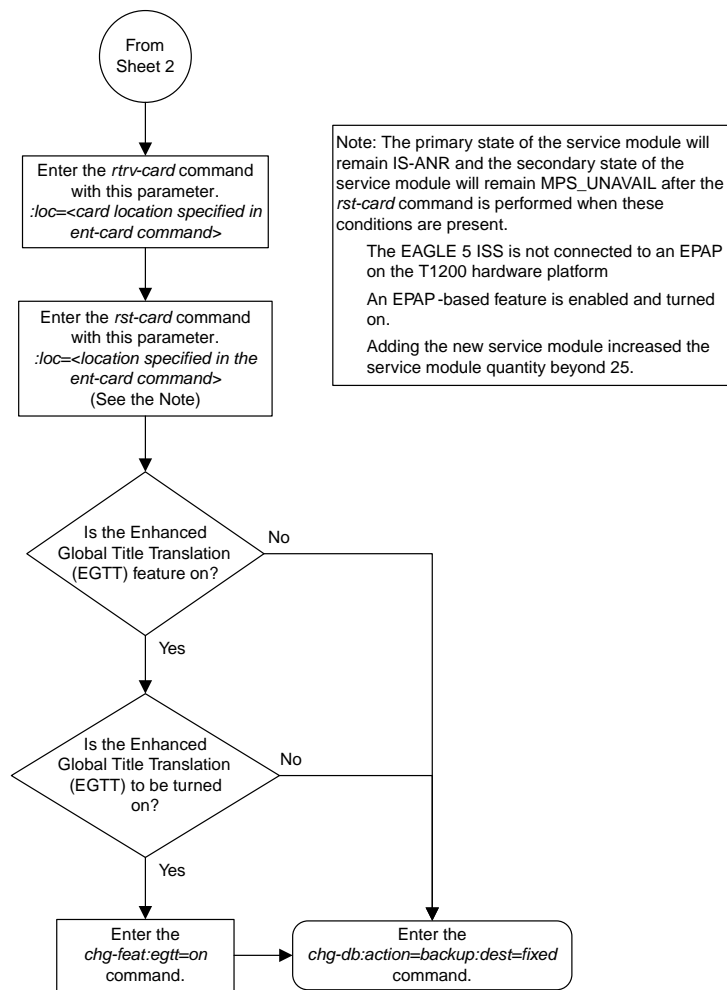
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- *Removing a GT Conversion Table Entry.....394*
- *Changing a GT Conversion Table Entry.....398*
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- *Changing SCCP Class 1 Sequencing Option...406*
- *Changing the SCCP Alarm Thresholds.....408*
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## Adding a Service Module

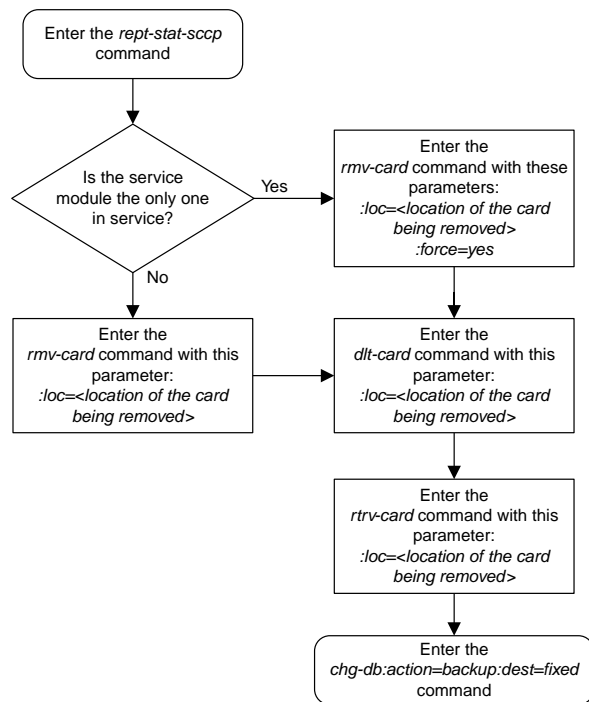




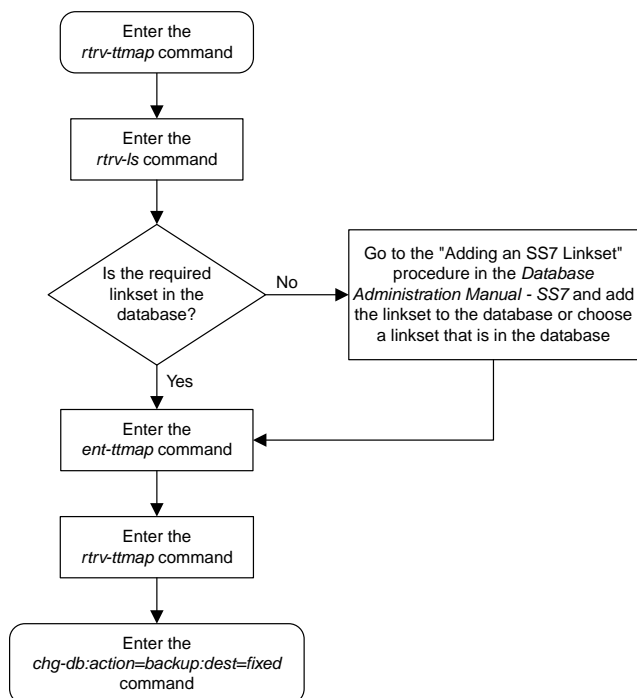


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## Removing a Service Module

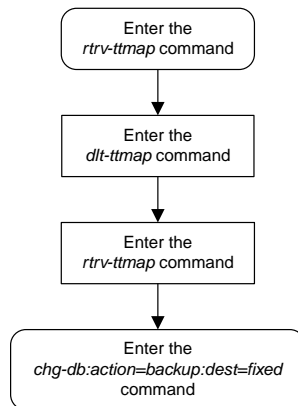


## Adding a Mapped SS7 Message Translation Type

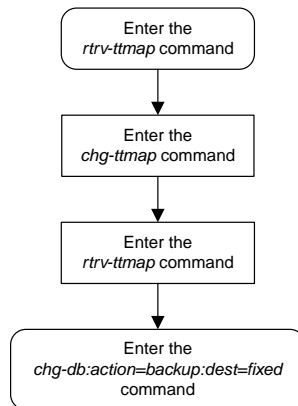




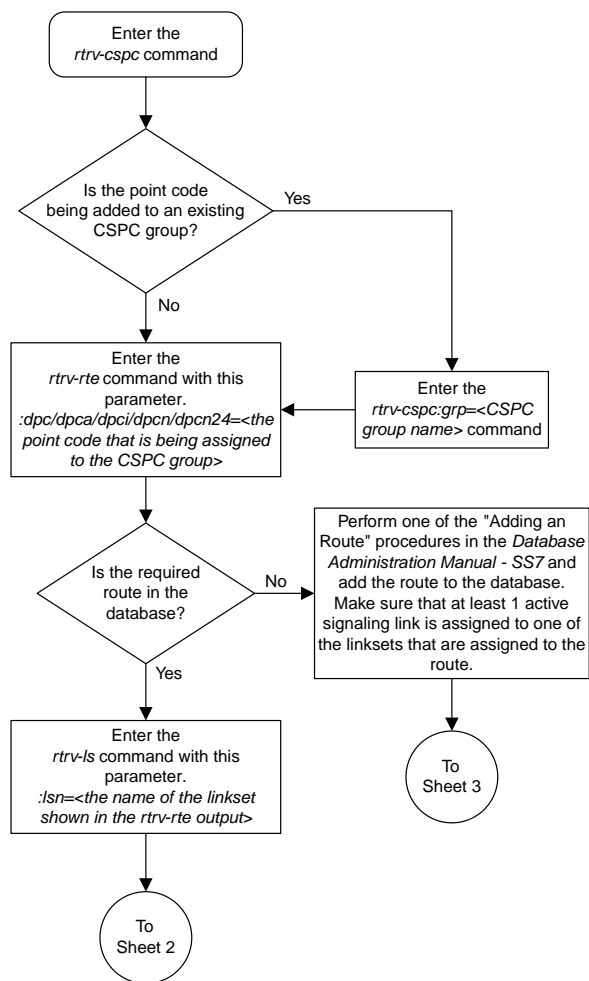
## Removing a Mapped SS7 Message Translation Type



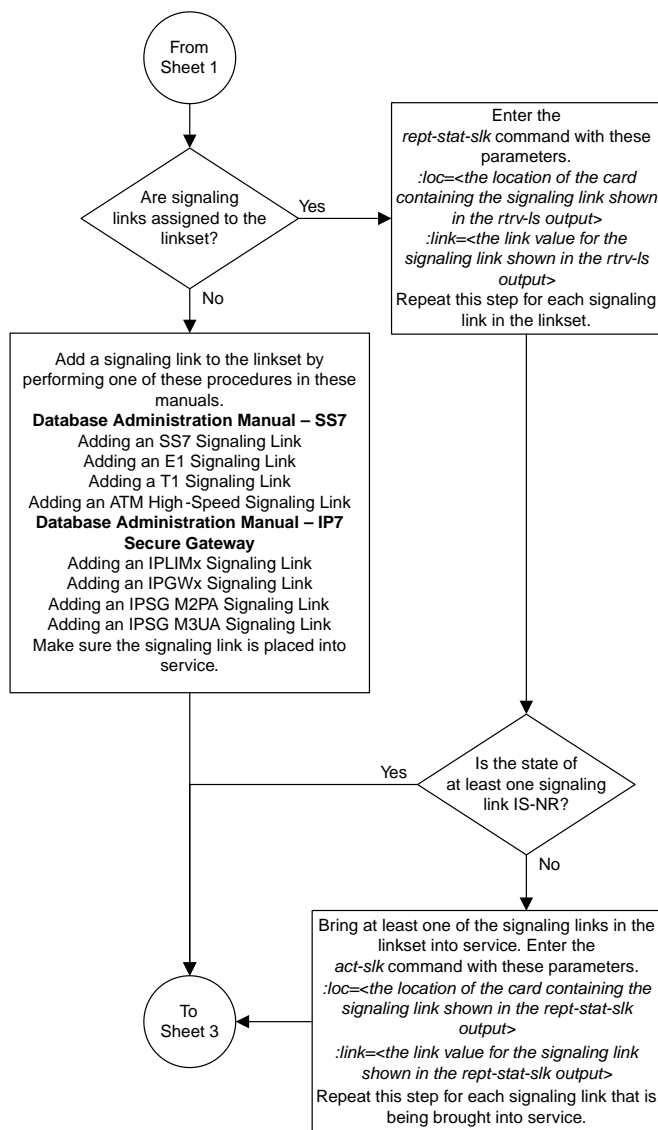
## Changing a Mapped SS7 Message Translation Type



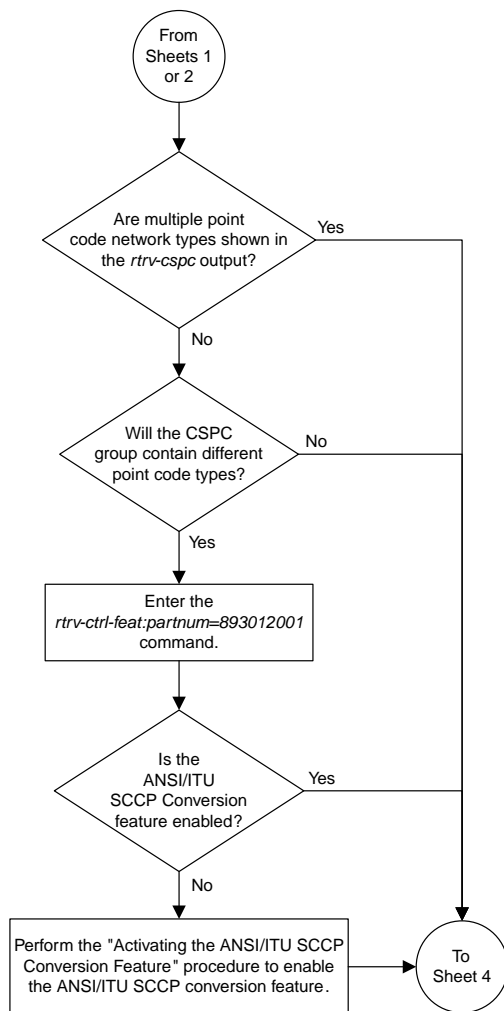
## Adding a Concerned Signaling Point Code



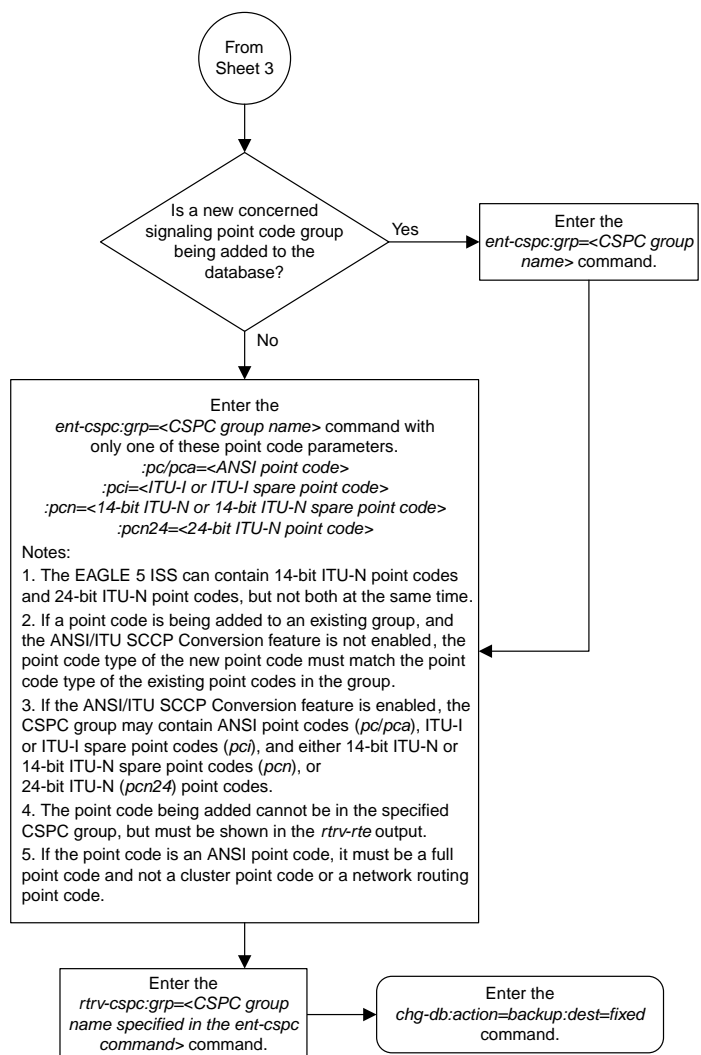
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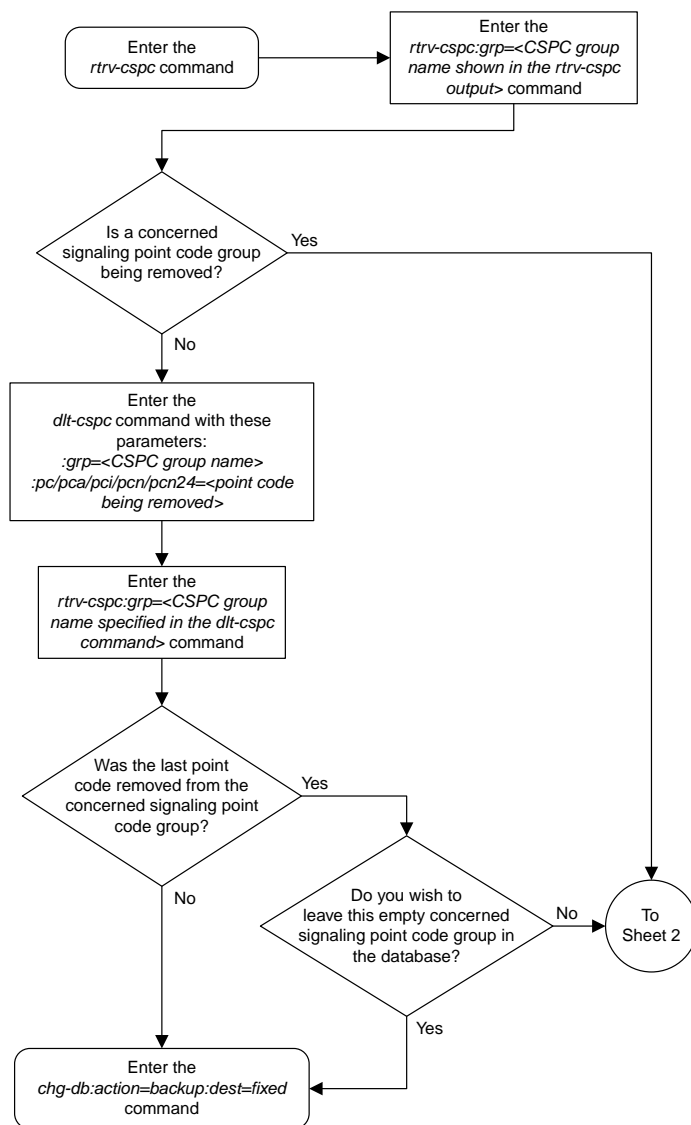


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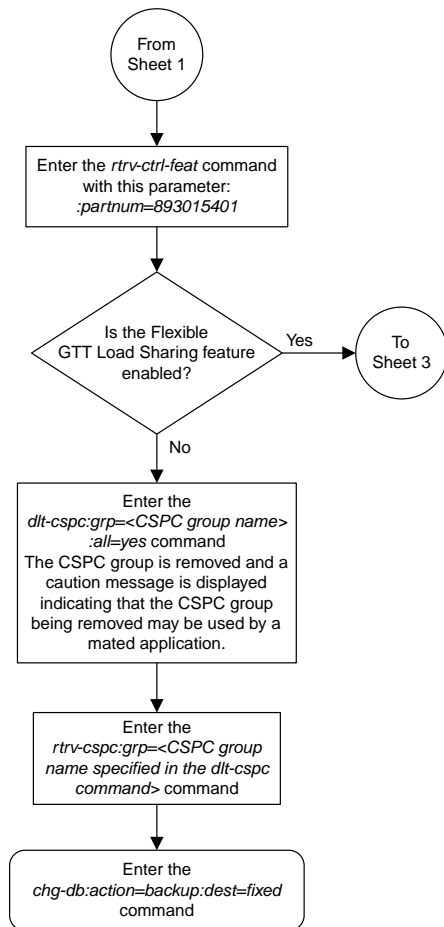


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## Removing a Concerned Signaling Point Code

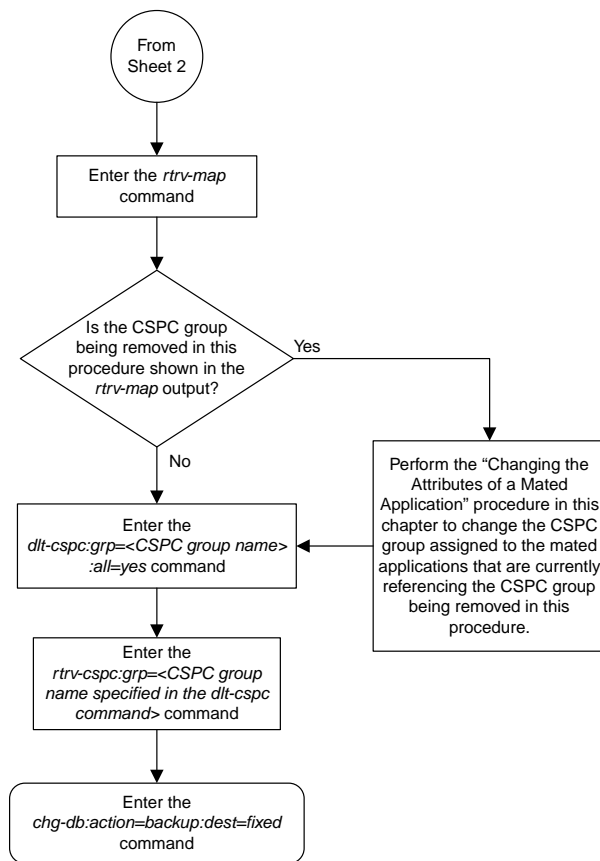


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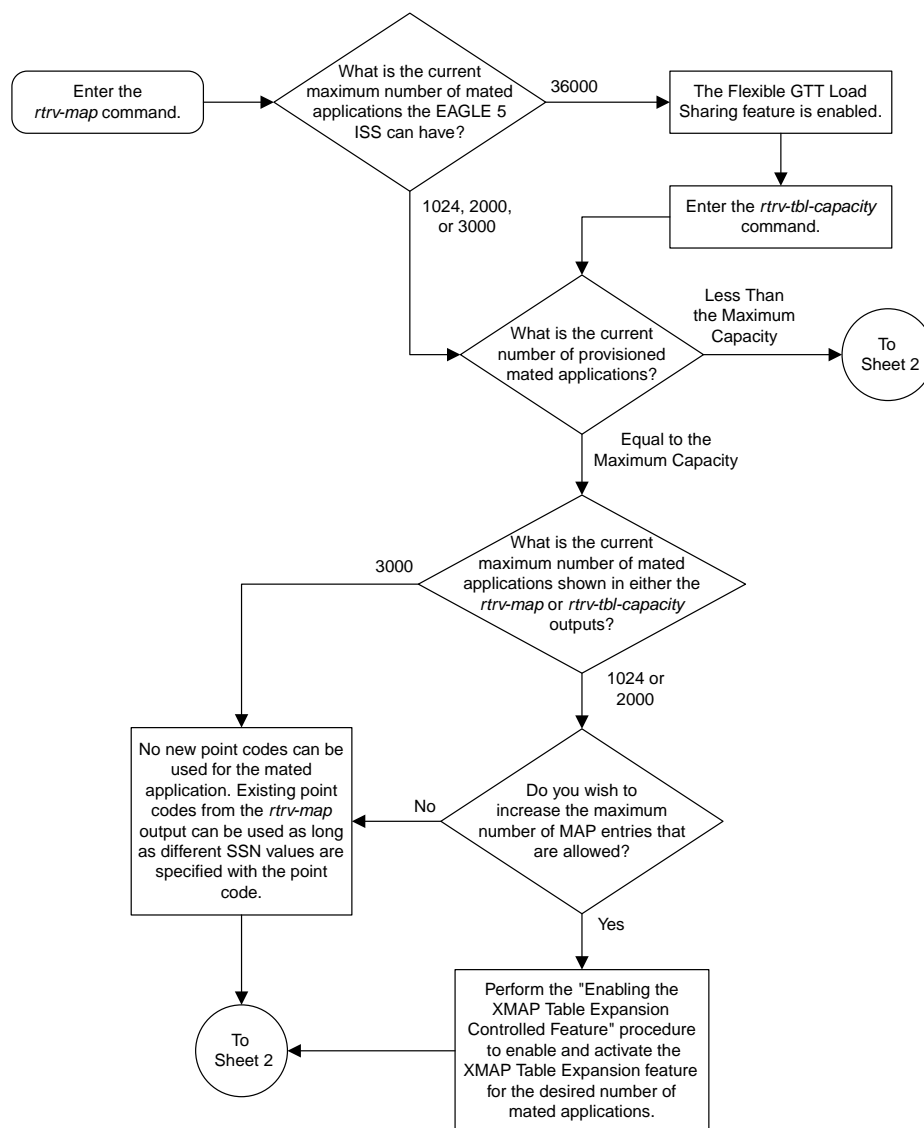
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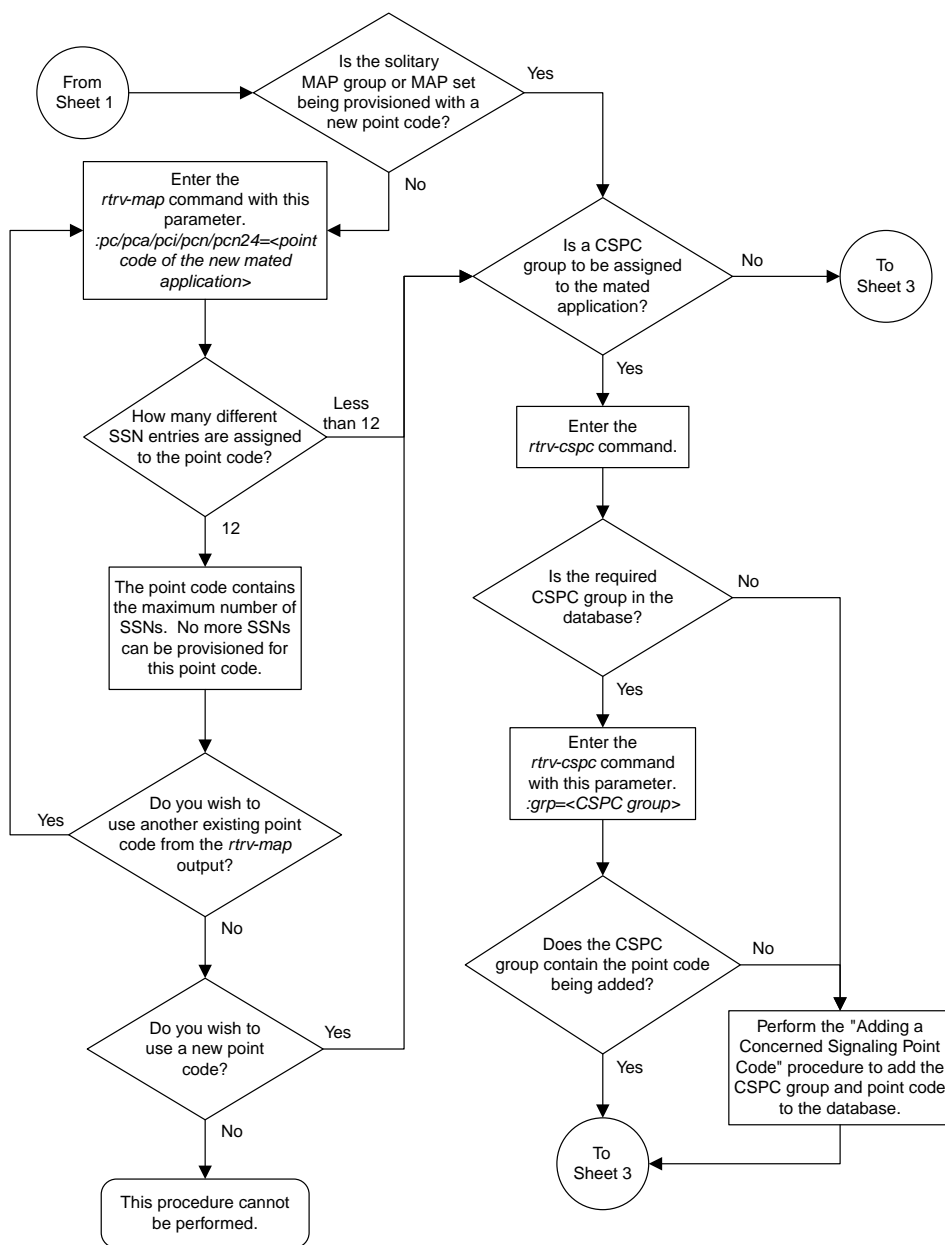




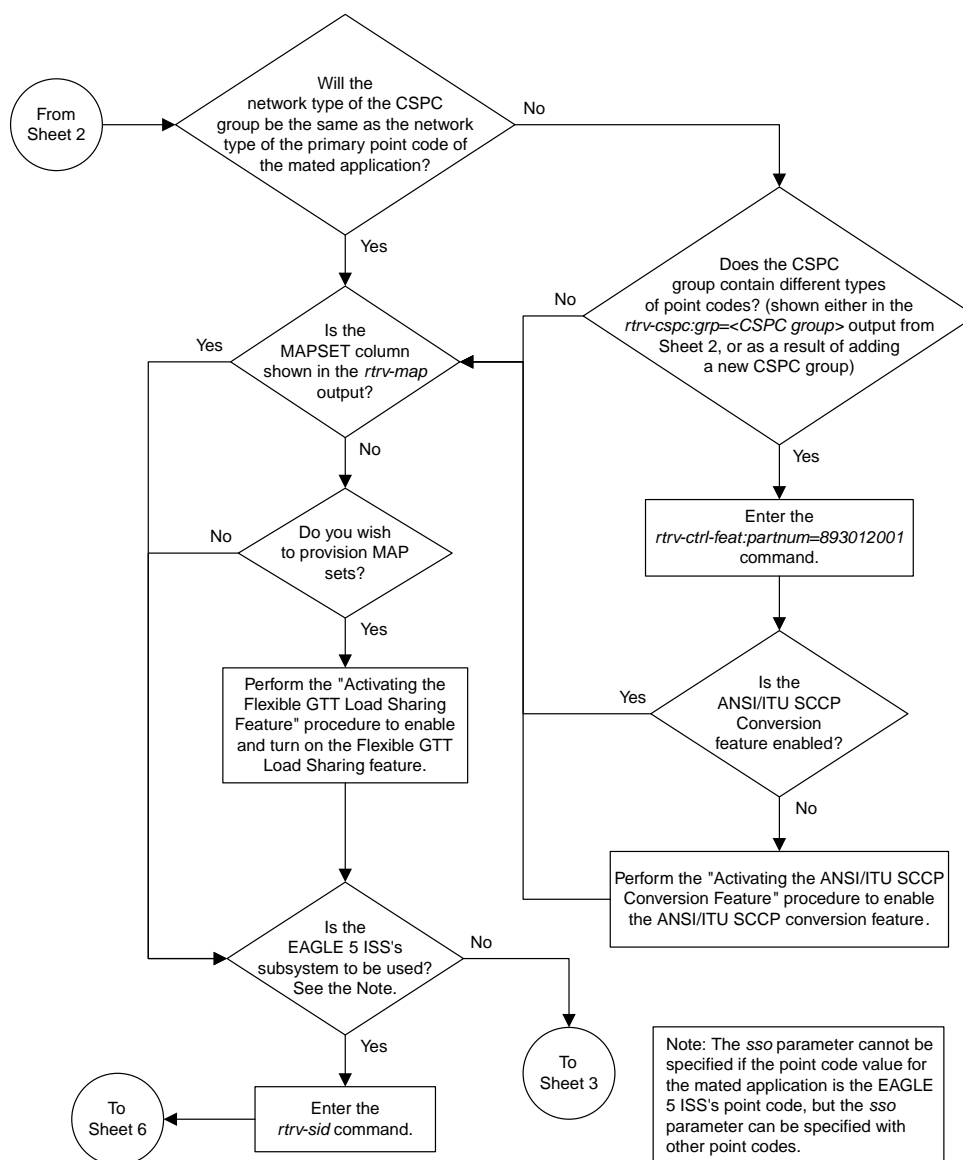
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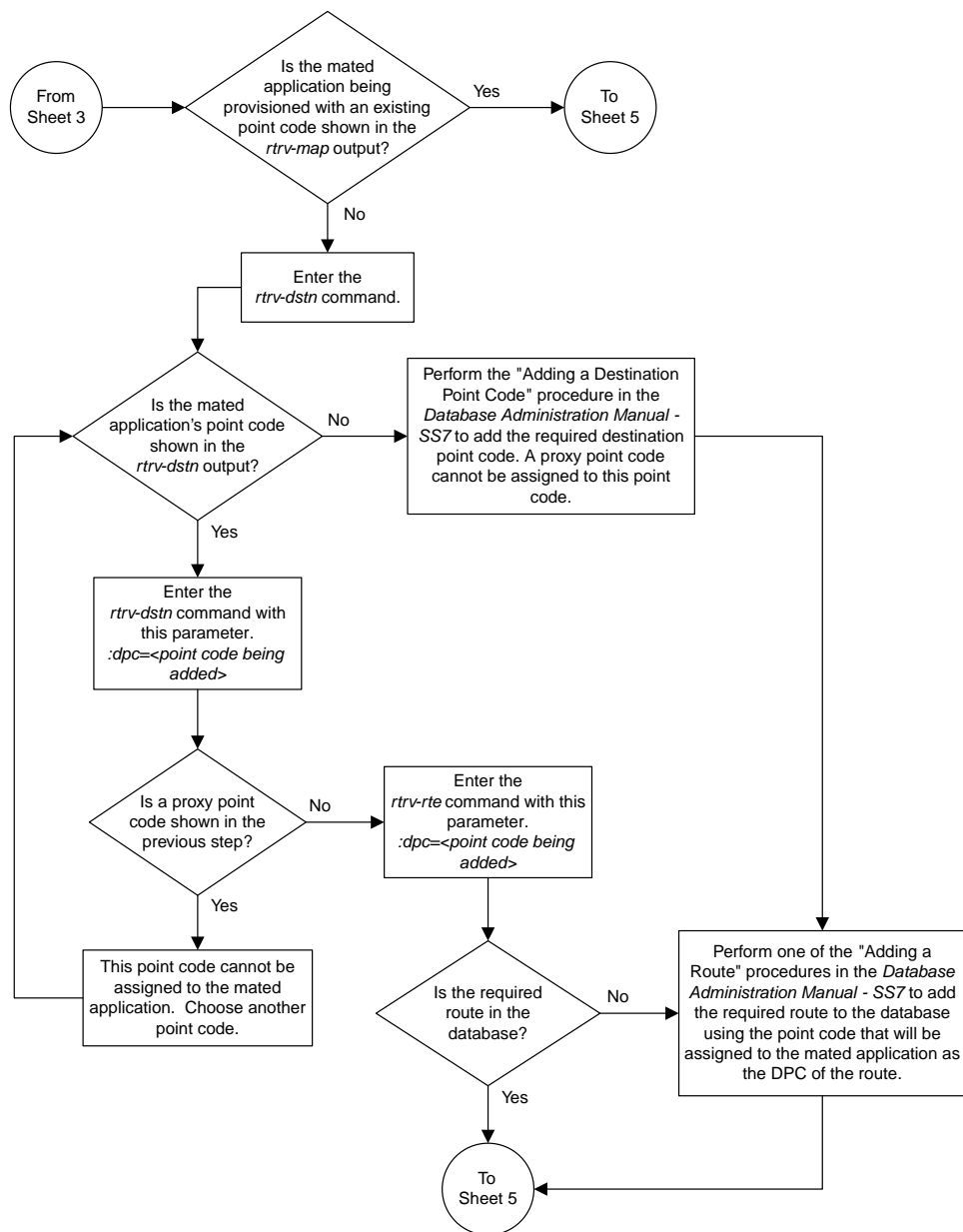
## Provisioning a Solitary Mated Application



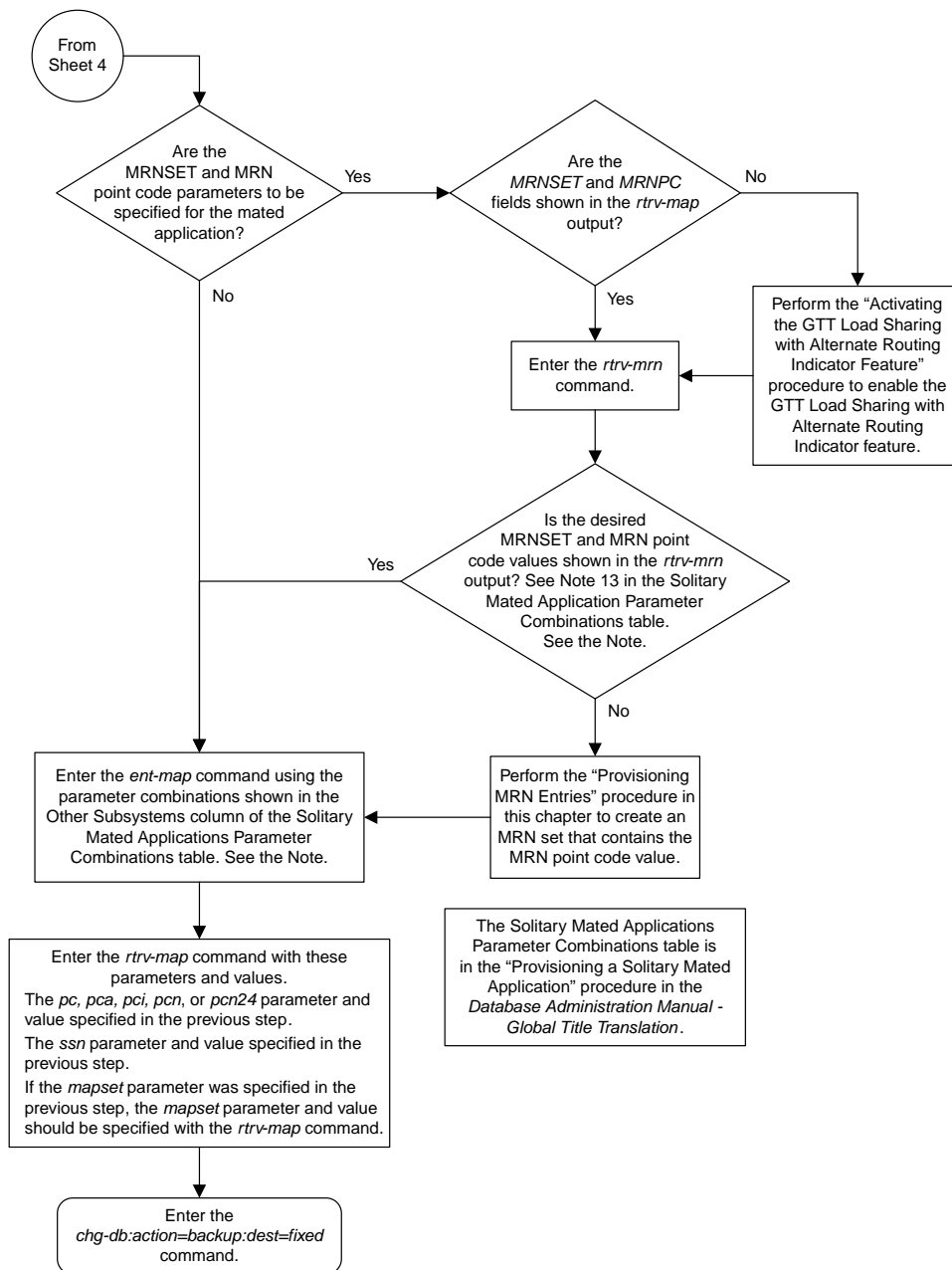


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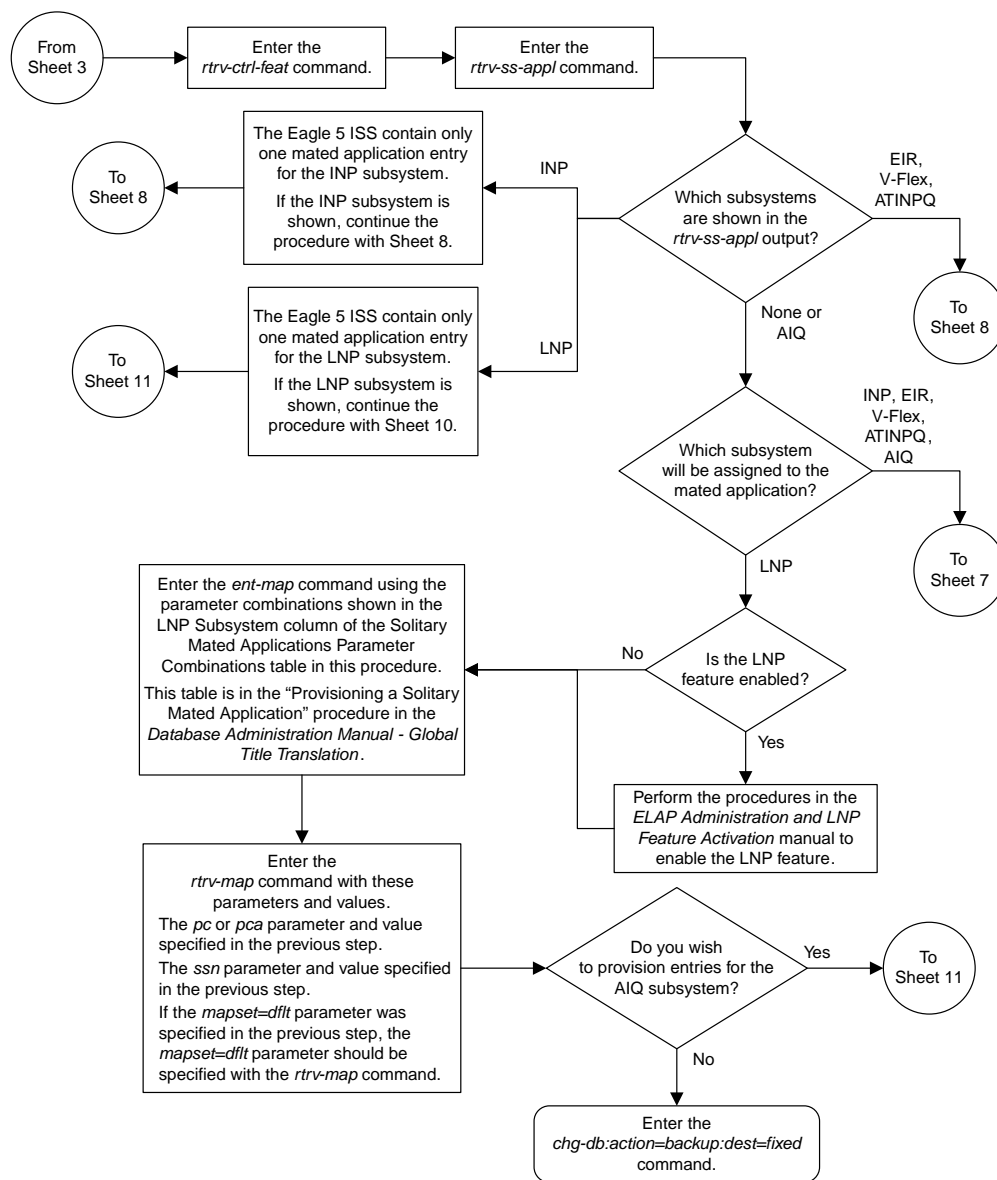


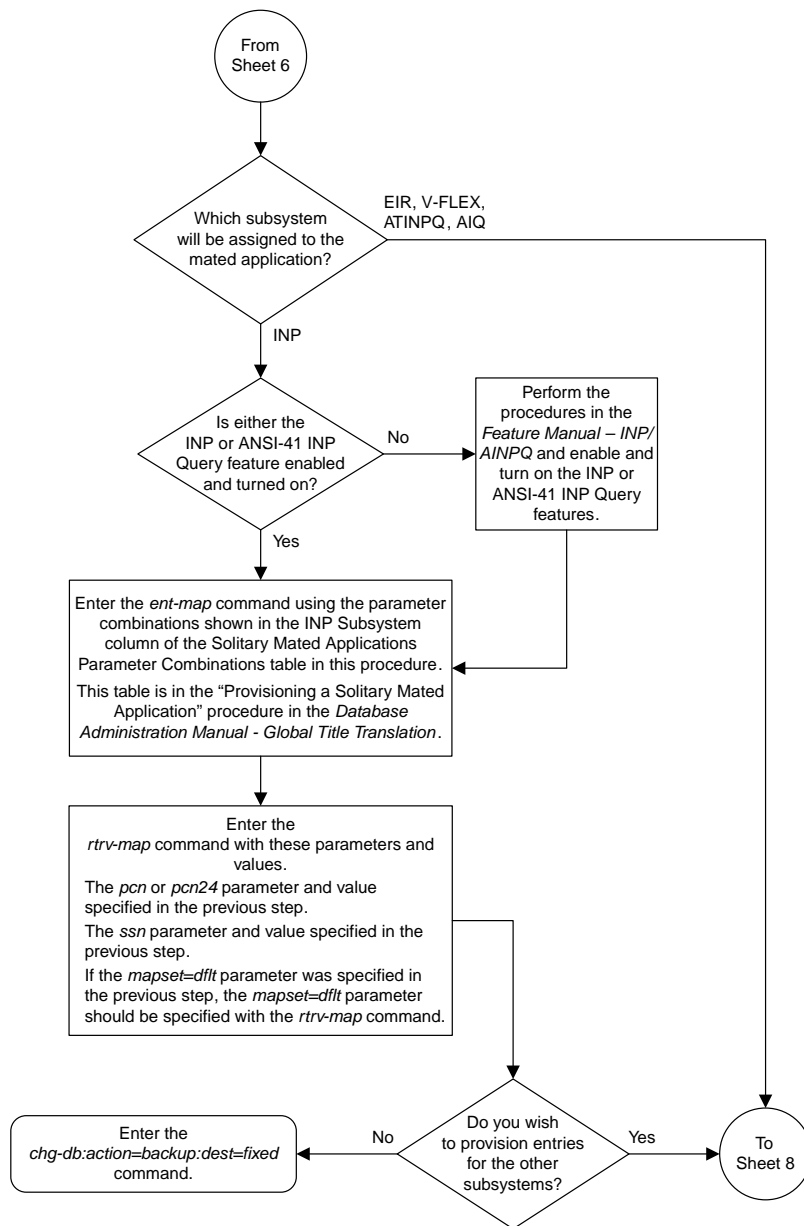


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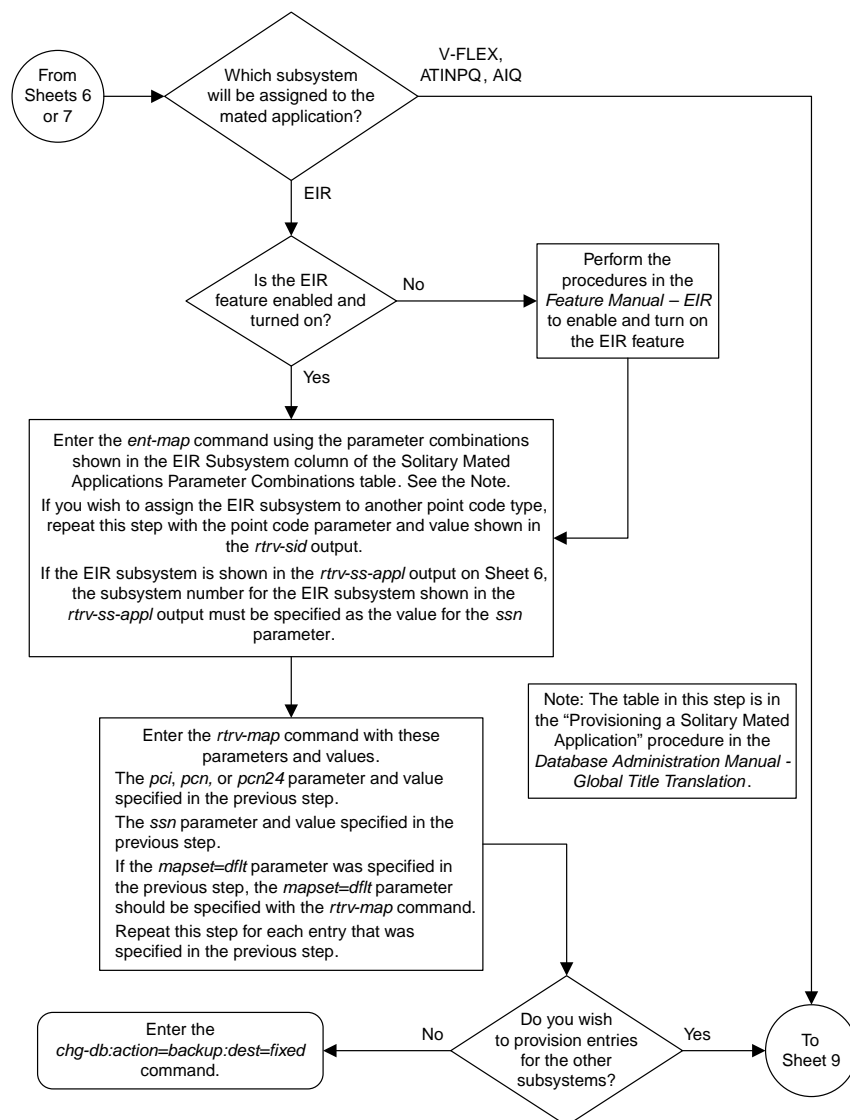
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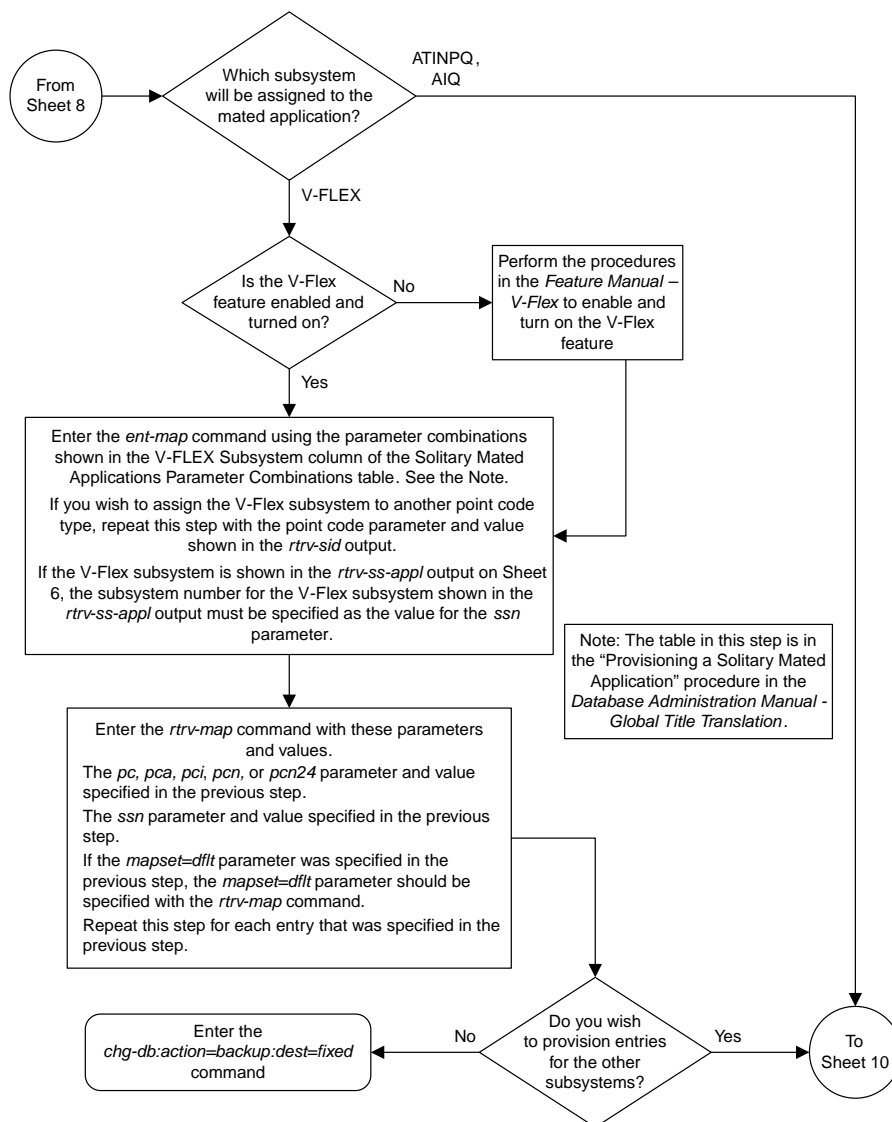


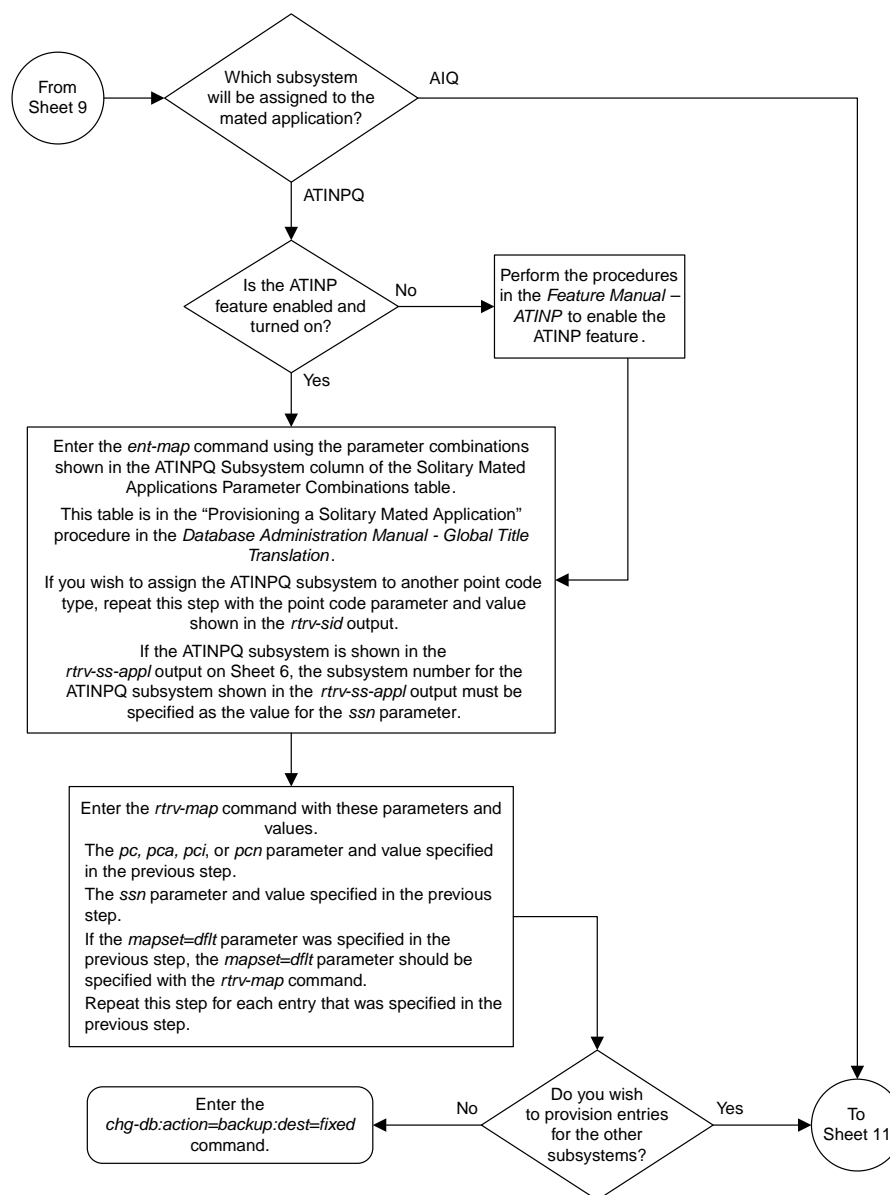


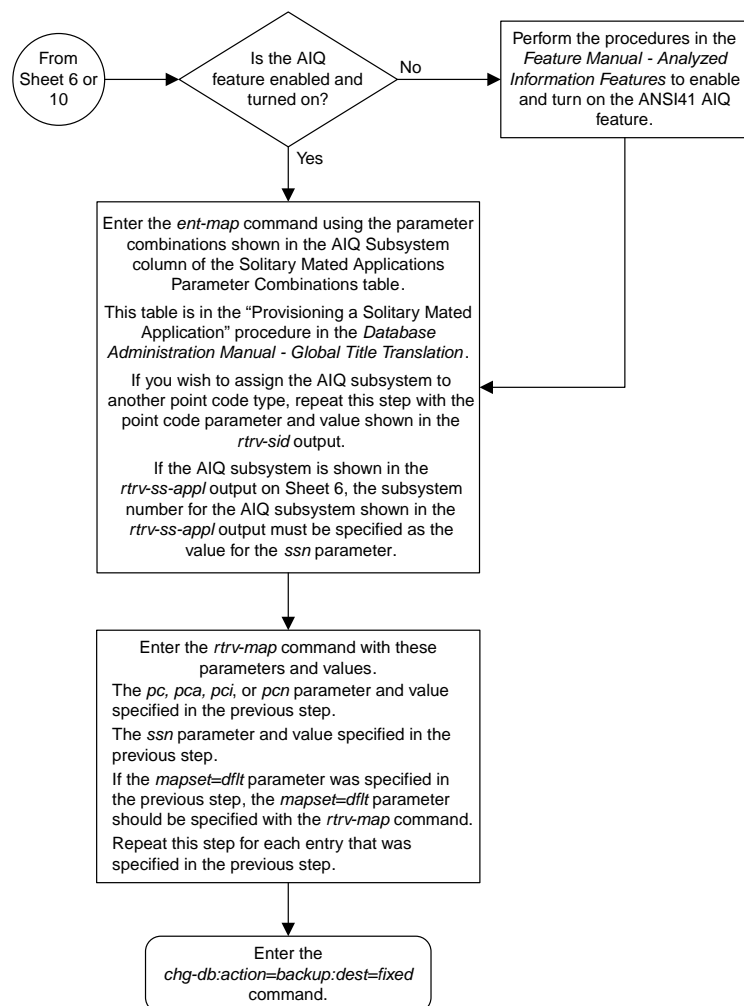
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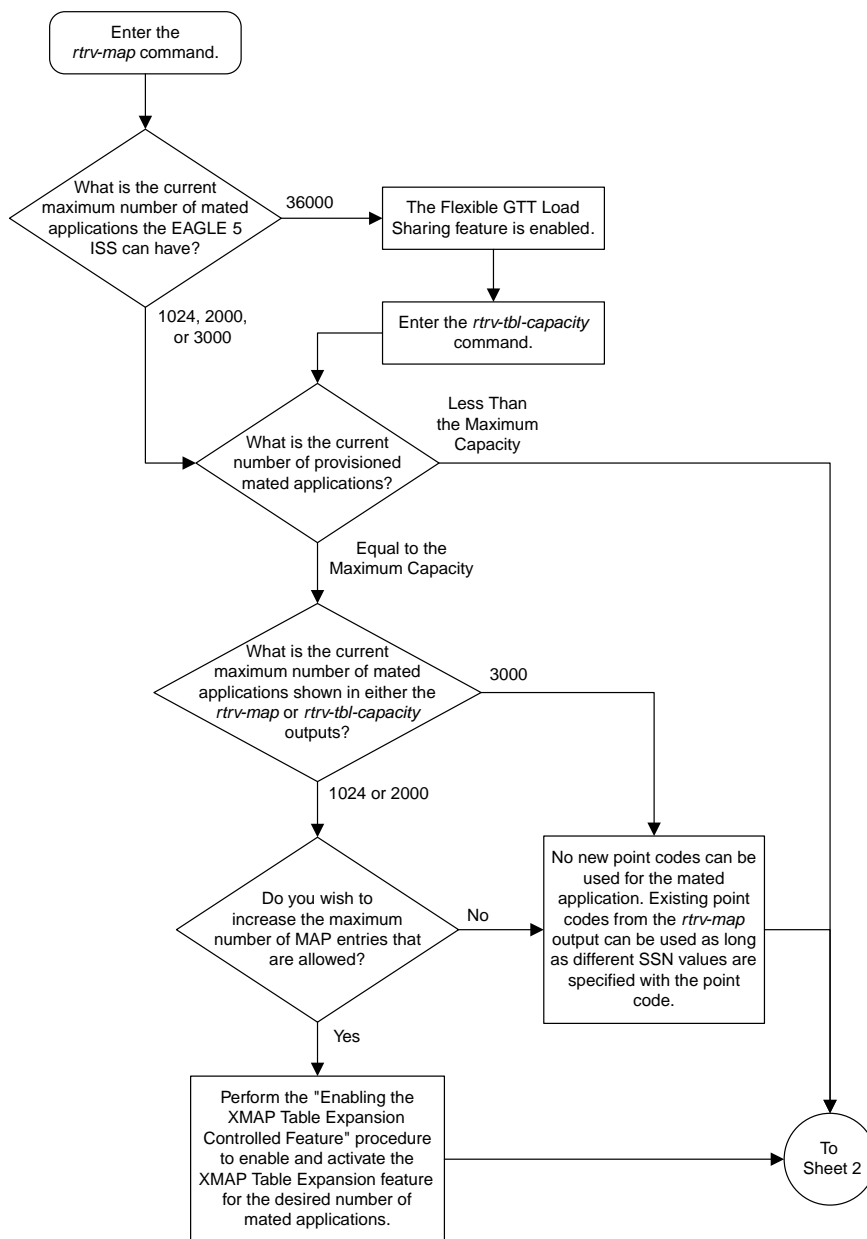




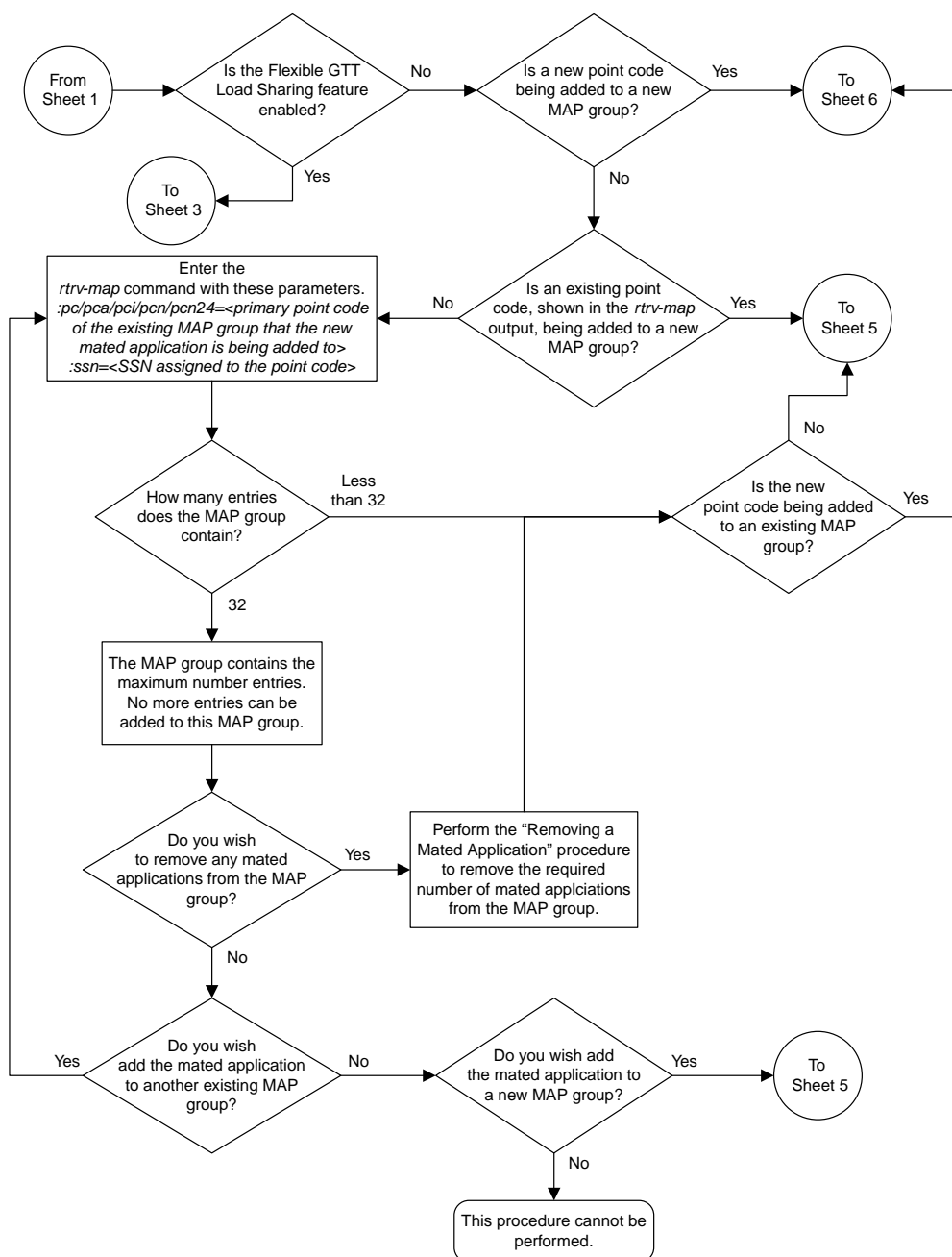




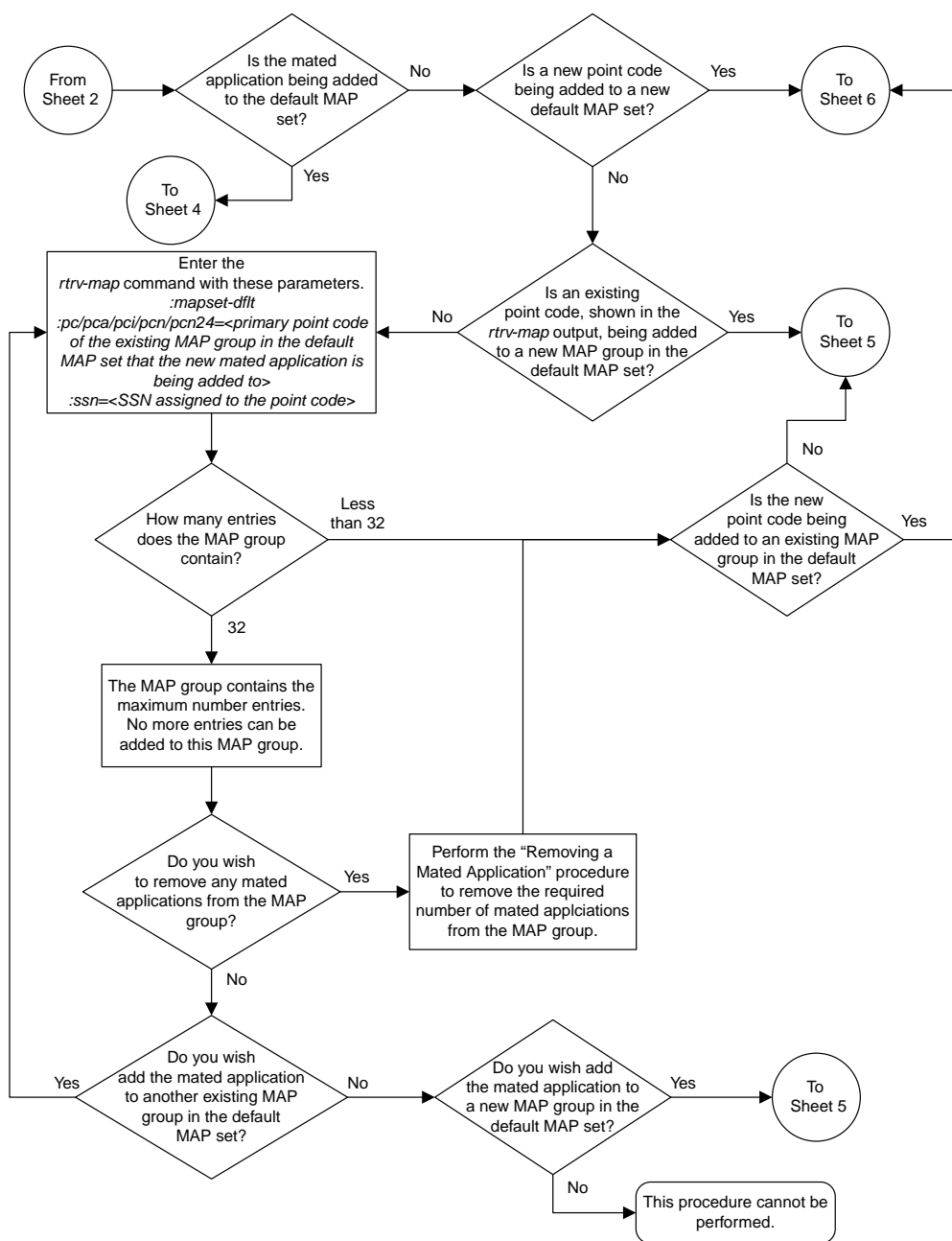
## Provisioning a Dominant Mated Application



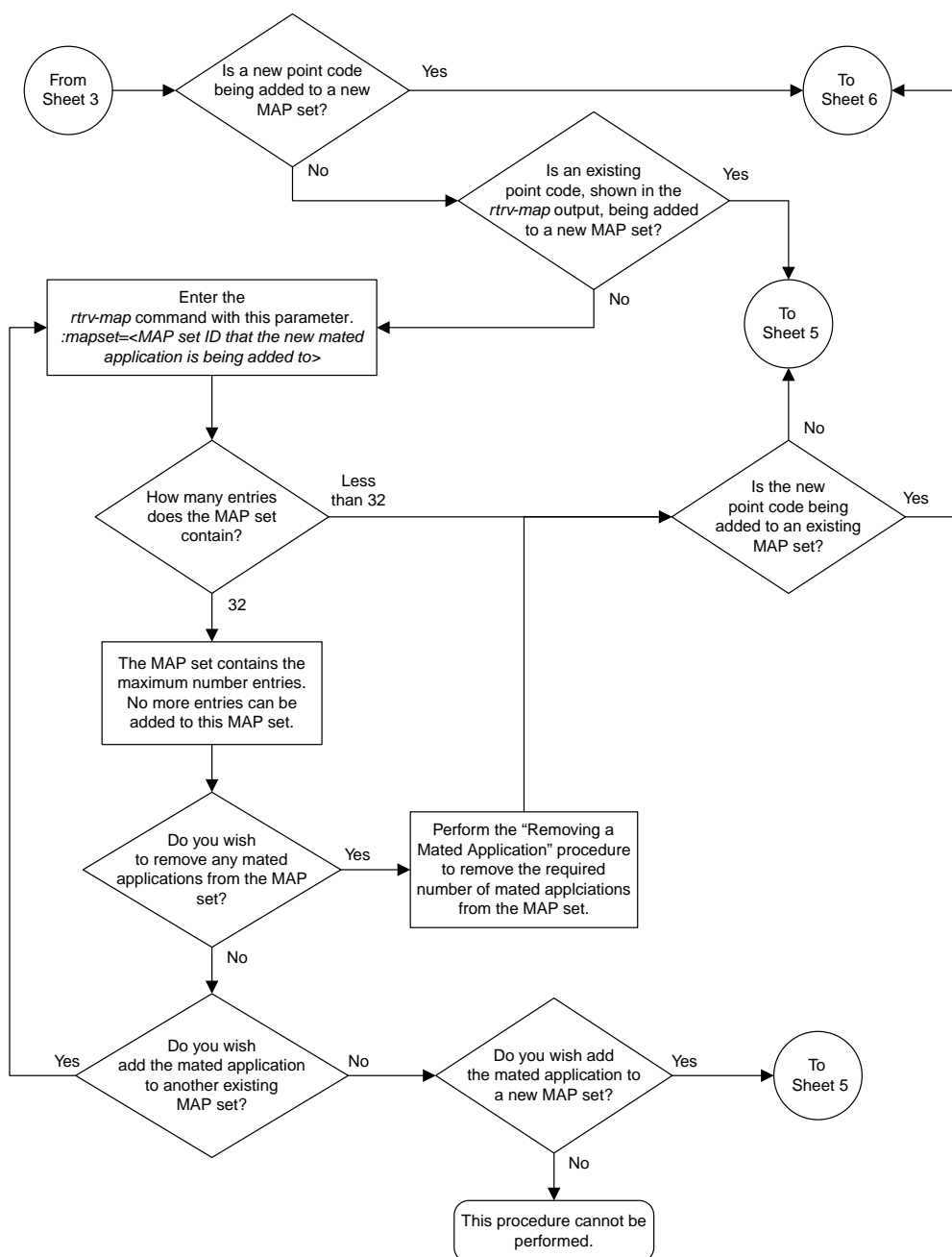
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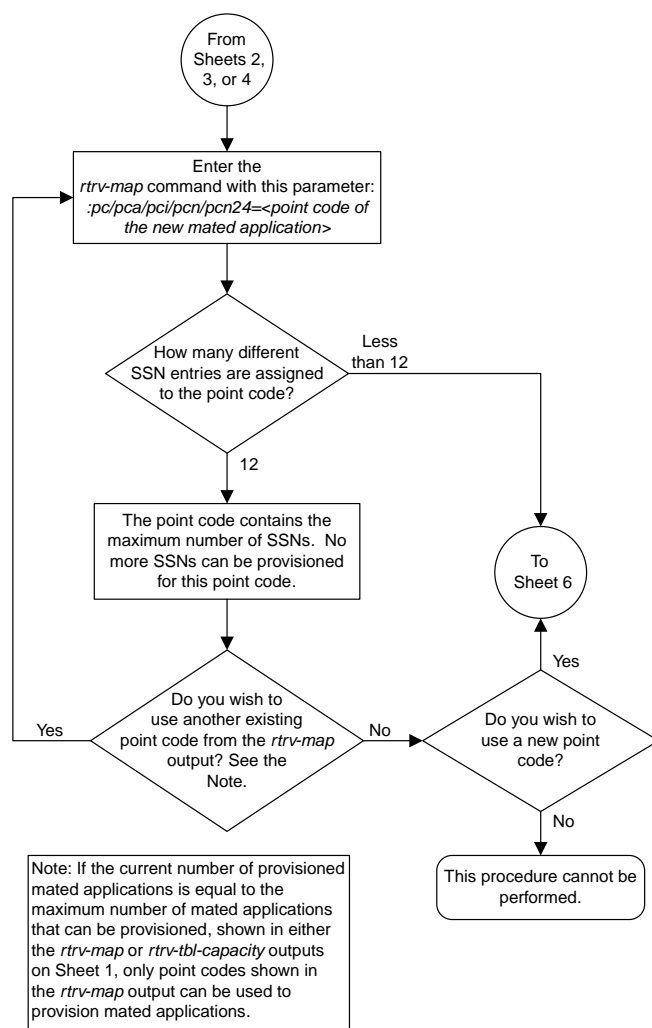


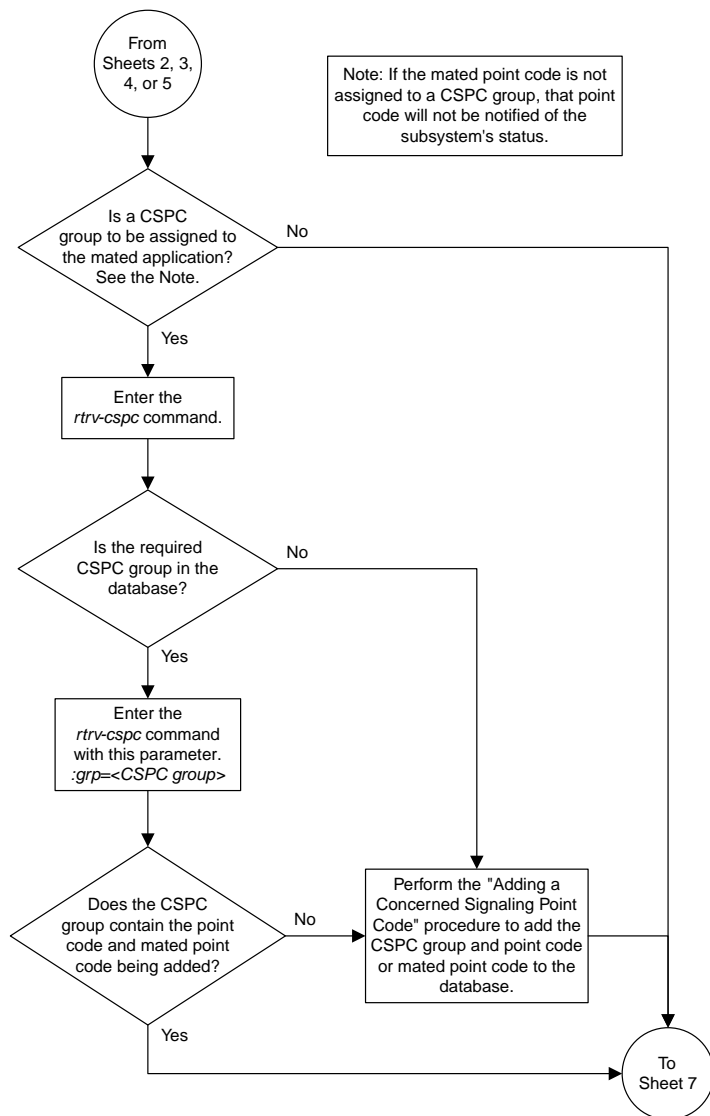
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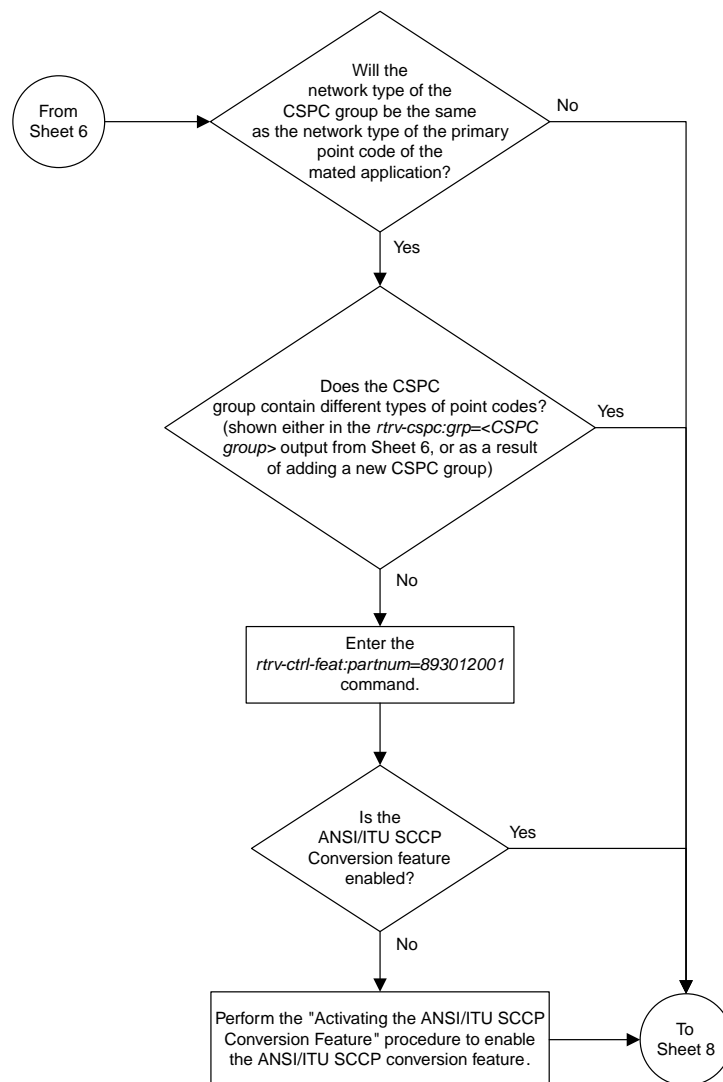
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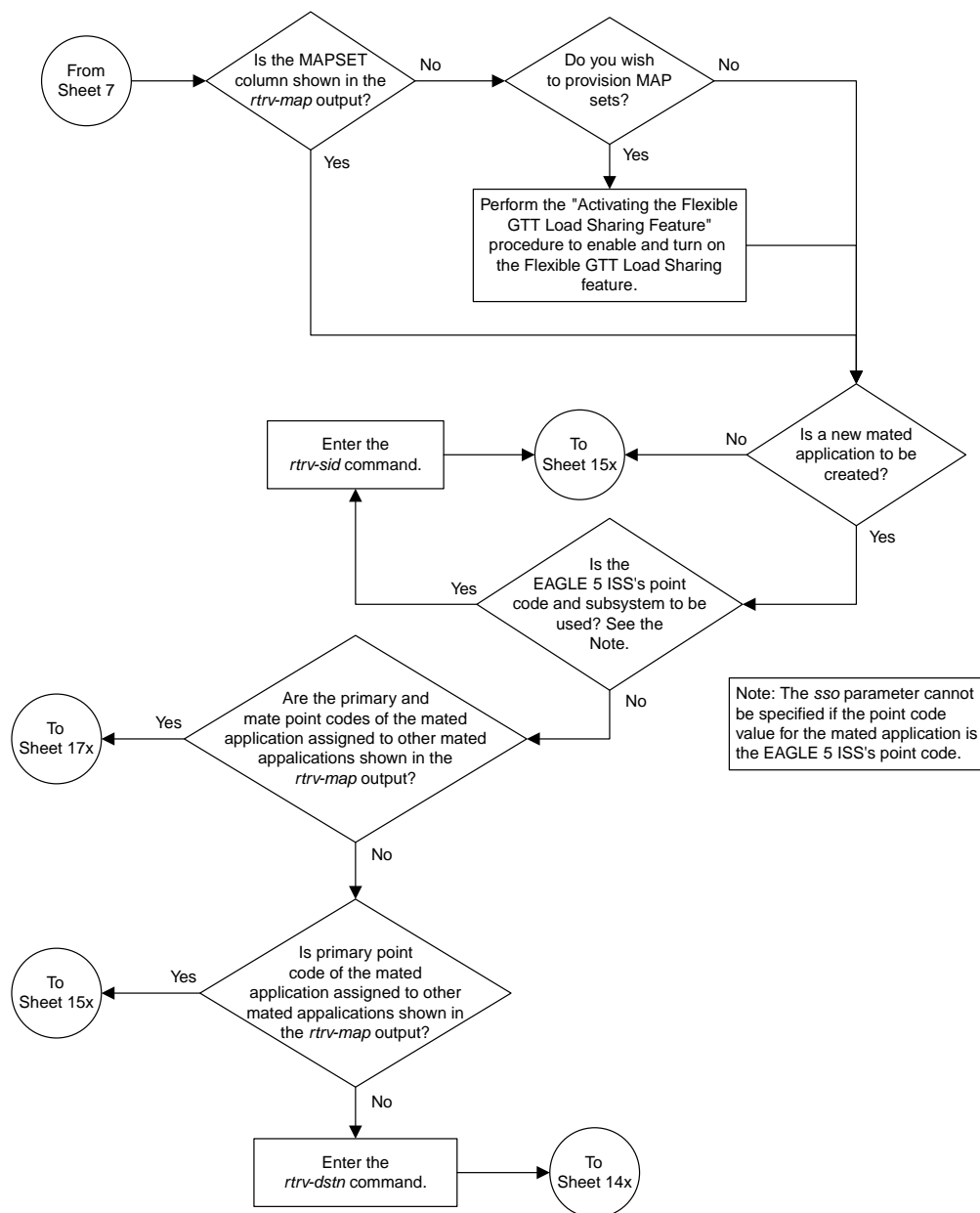


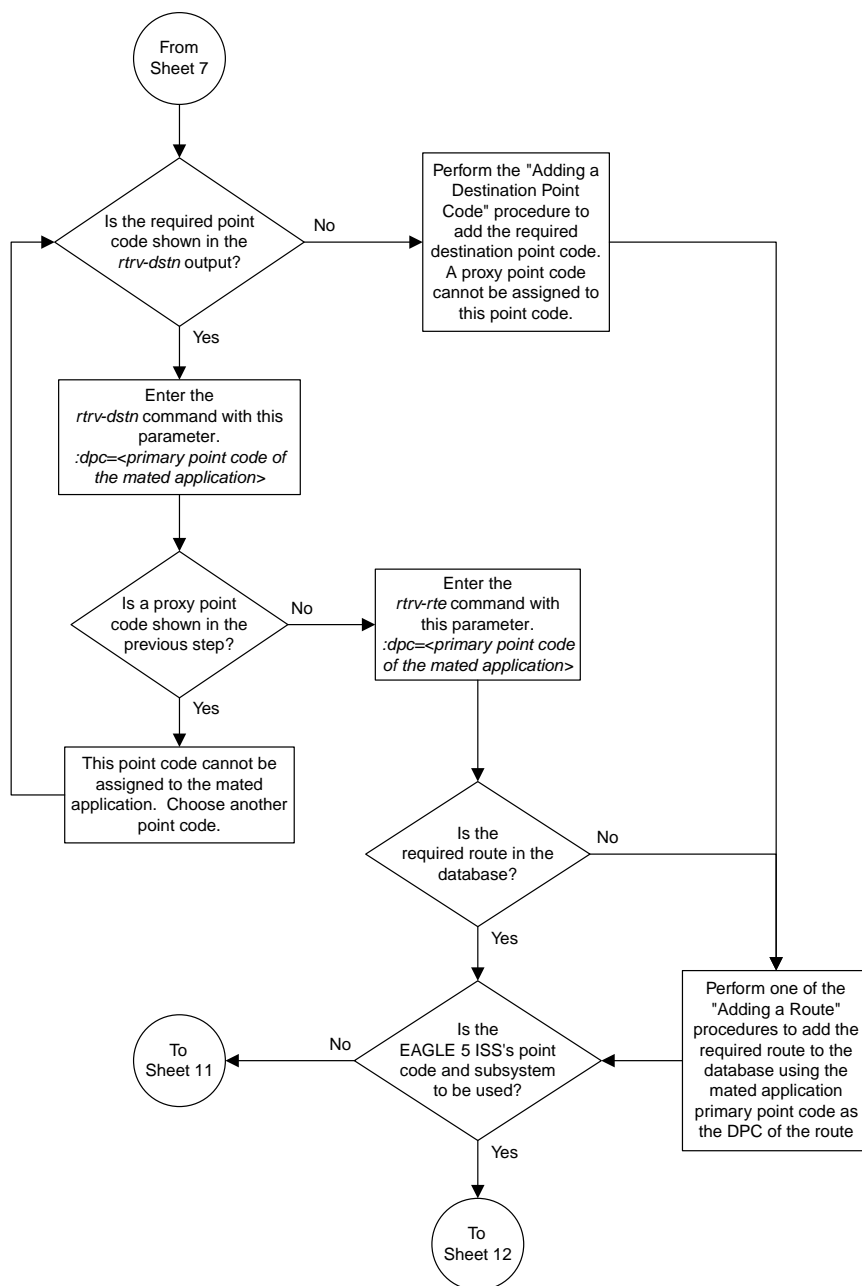


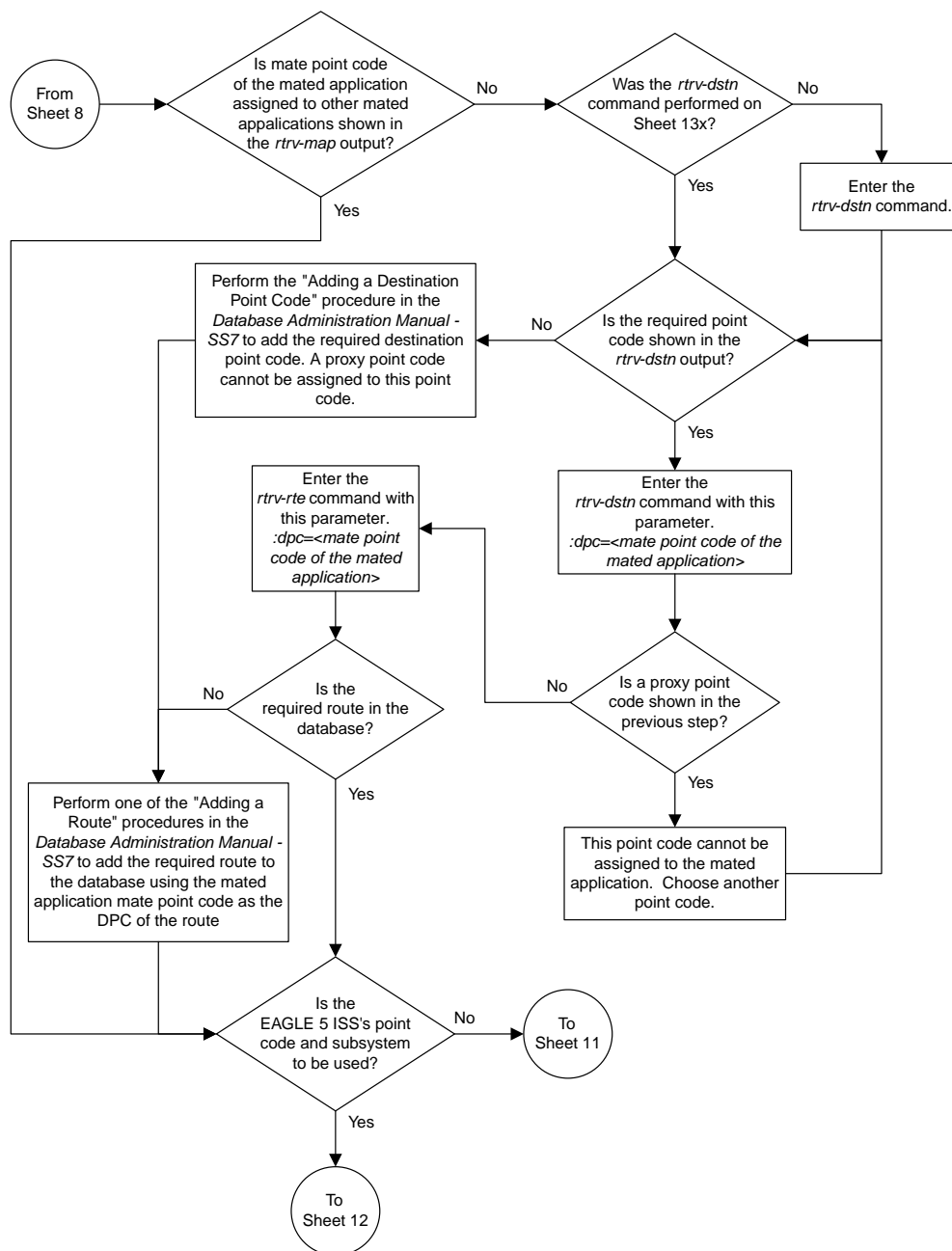
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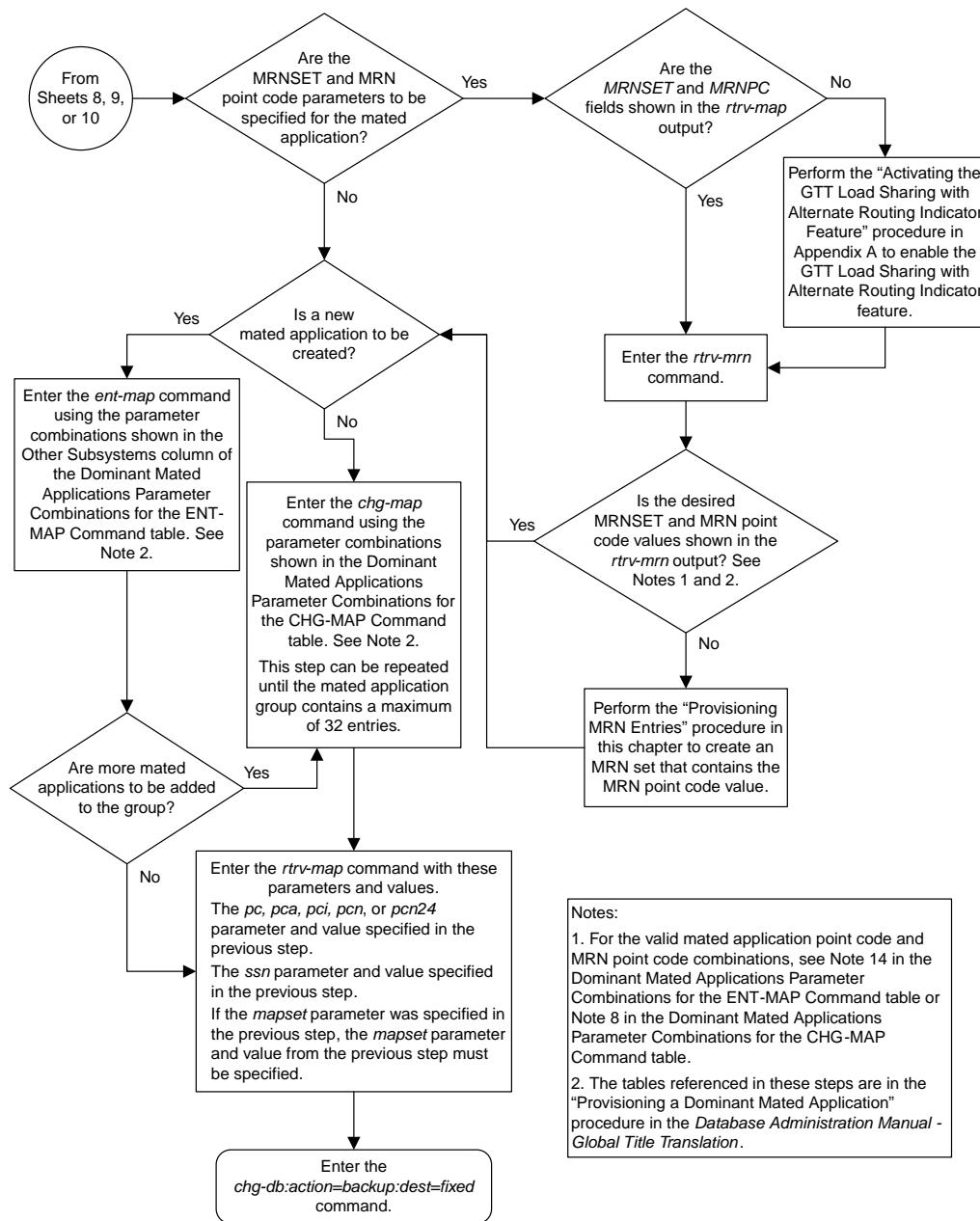
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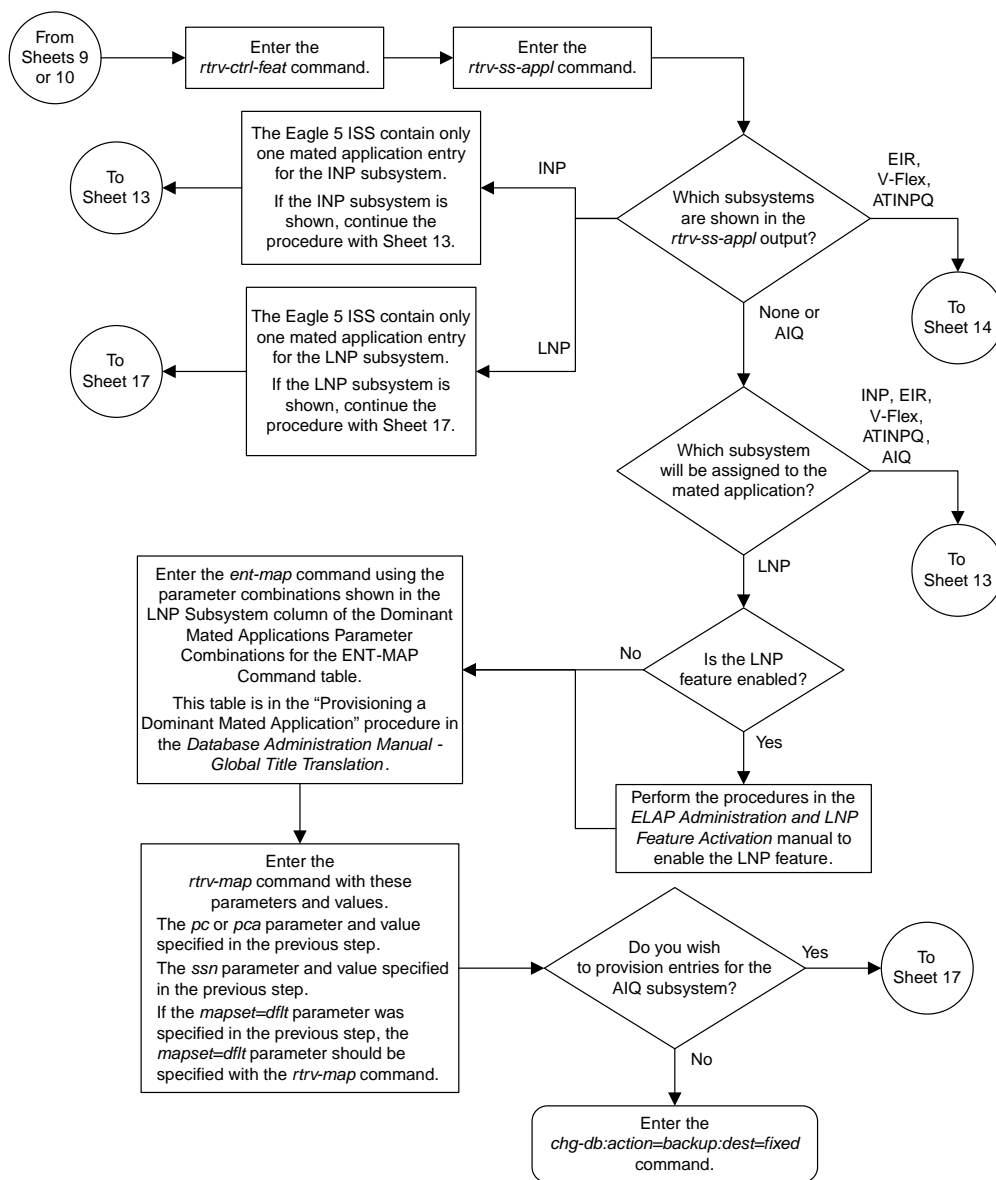




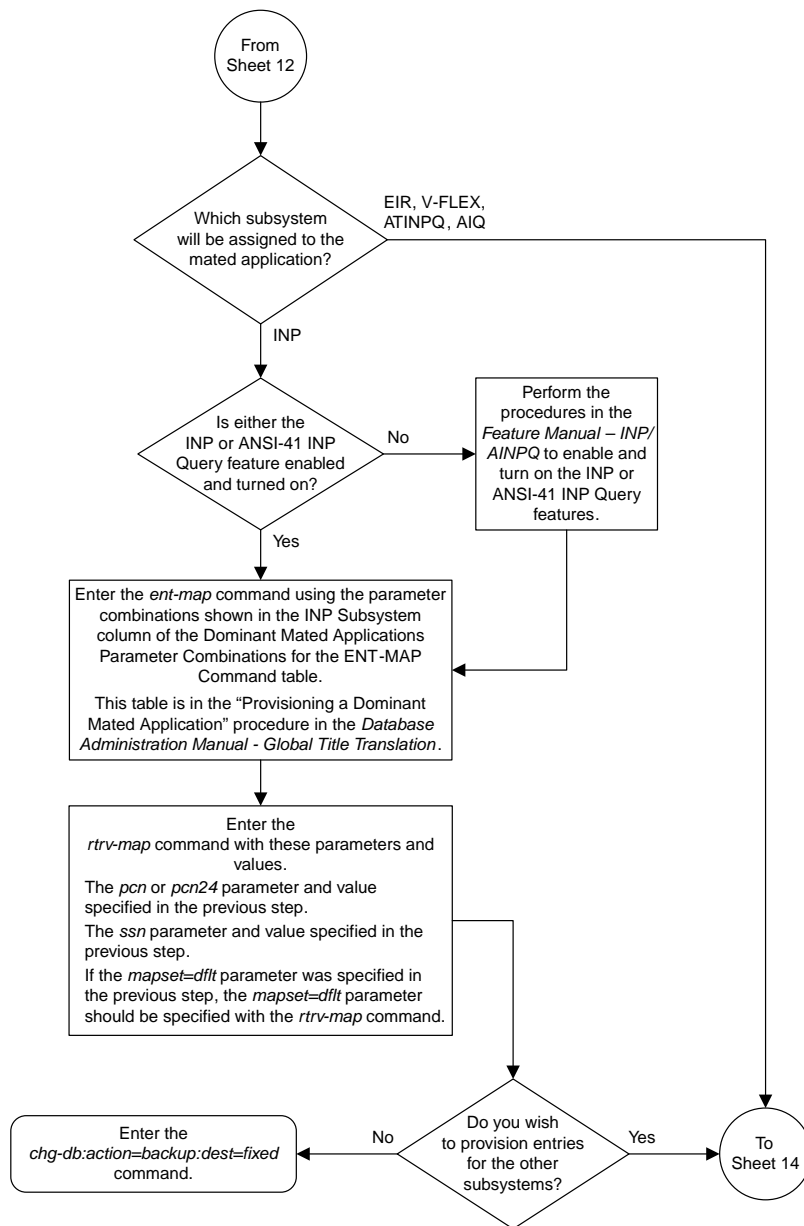


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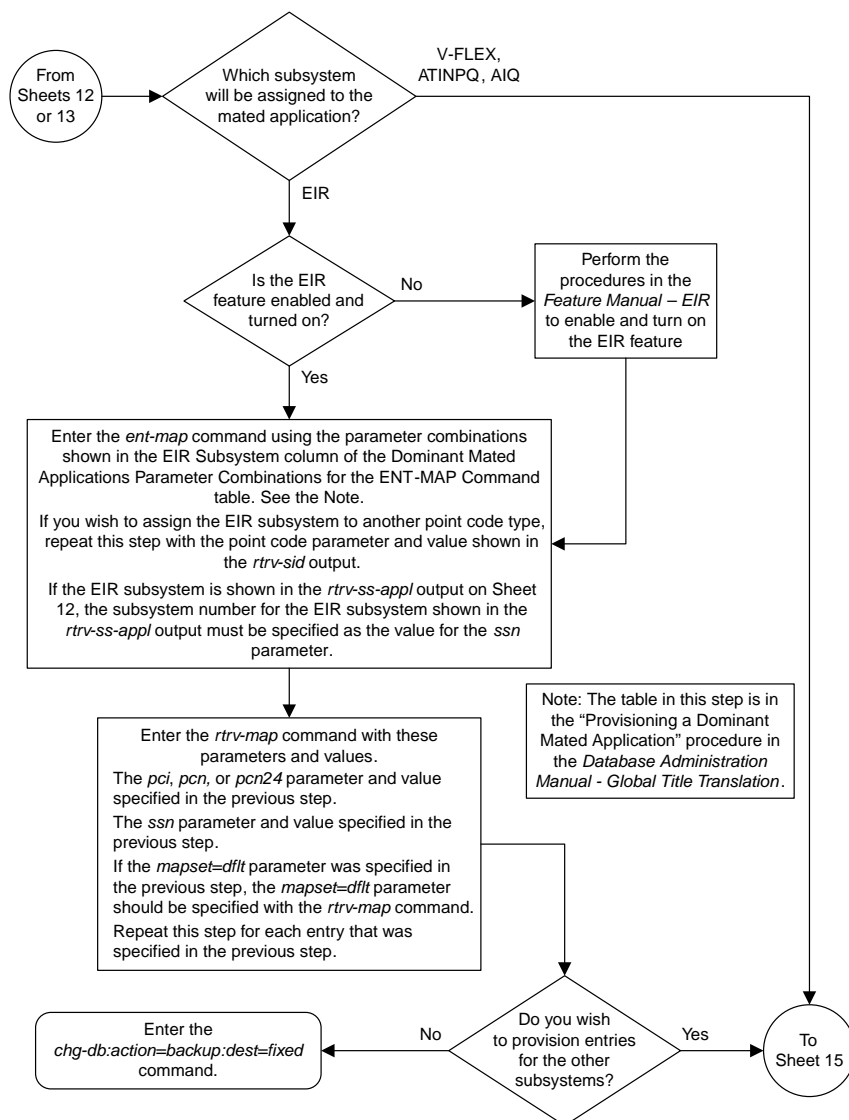


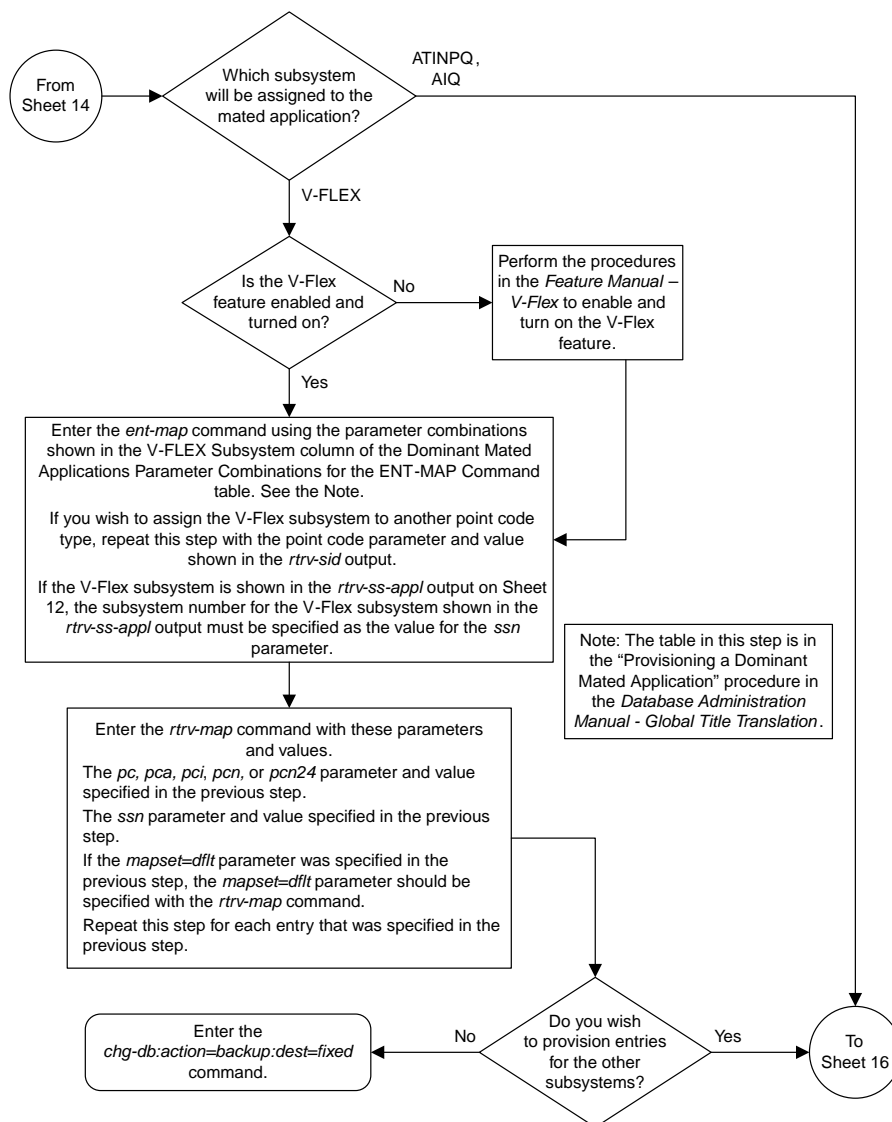




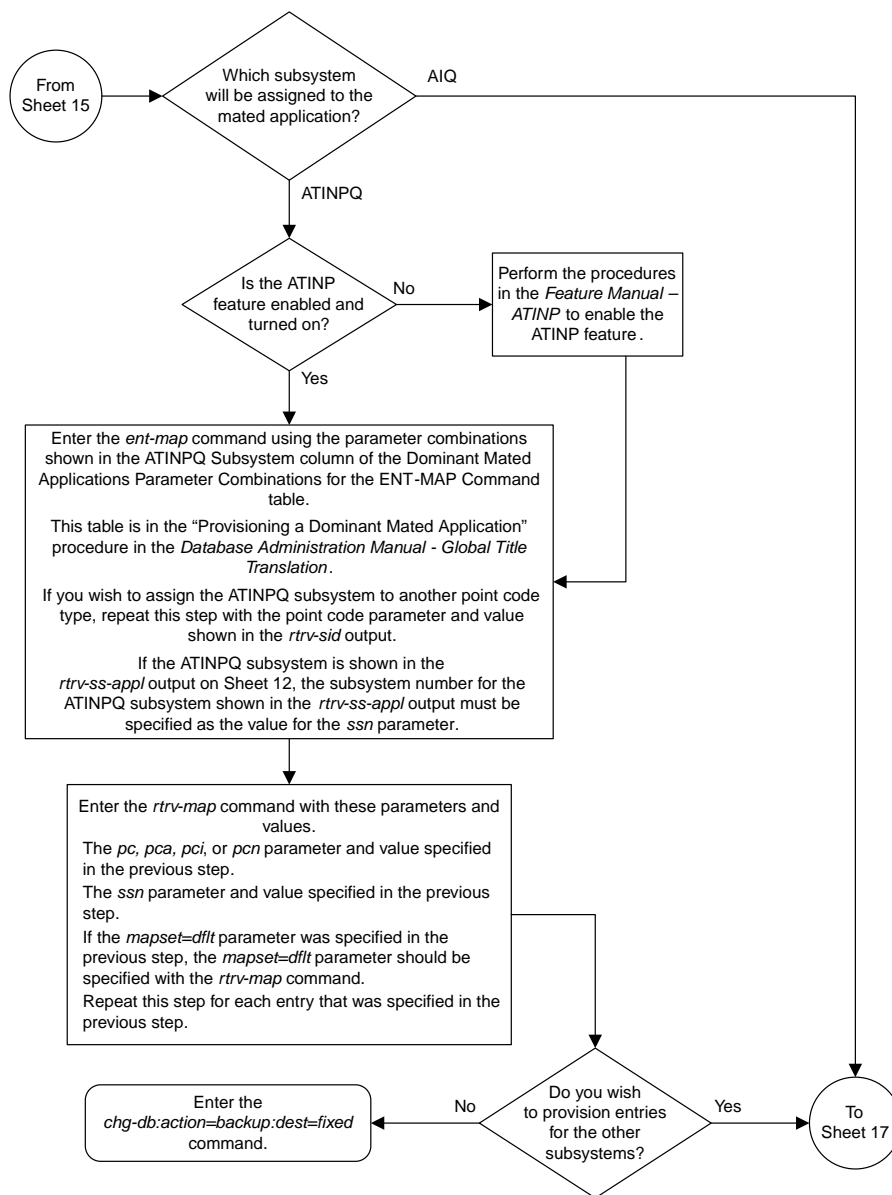


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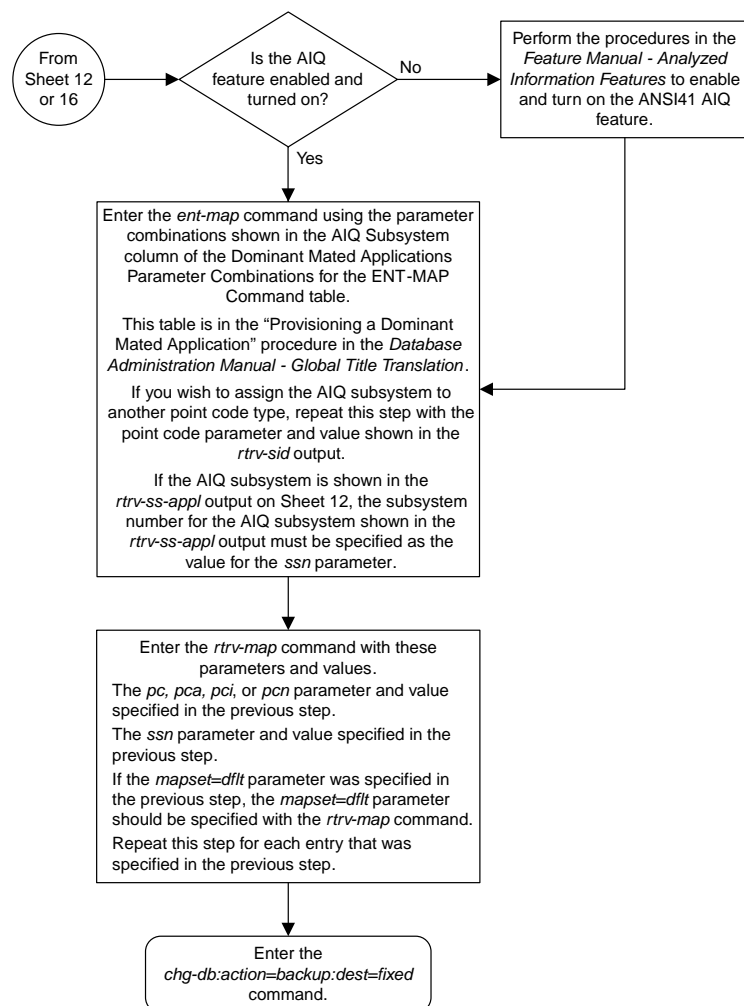




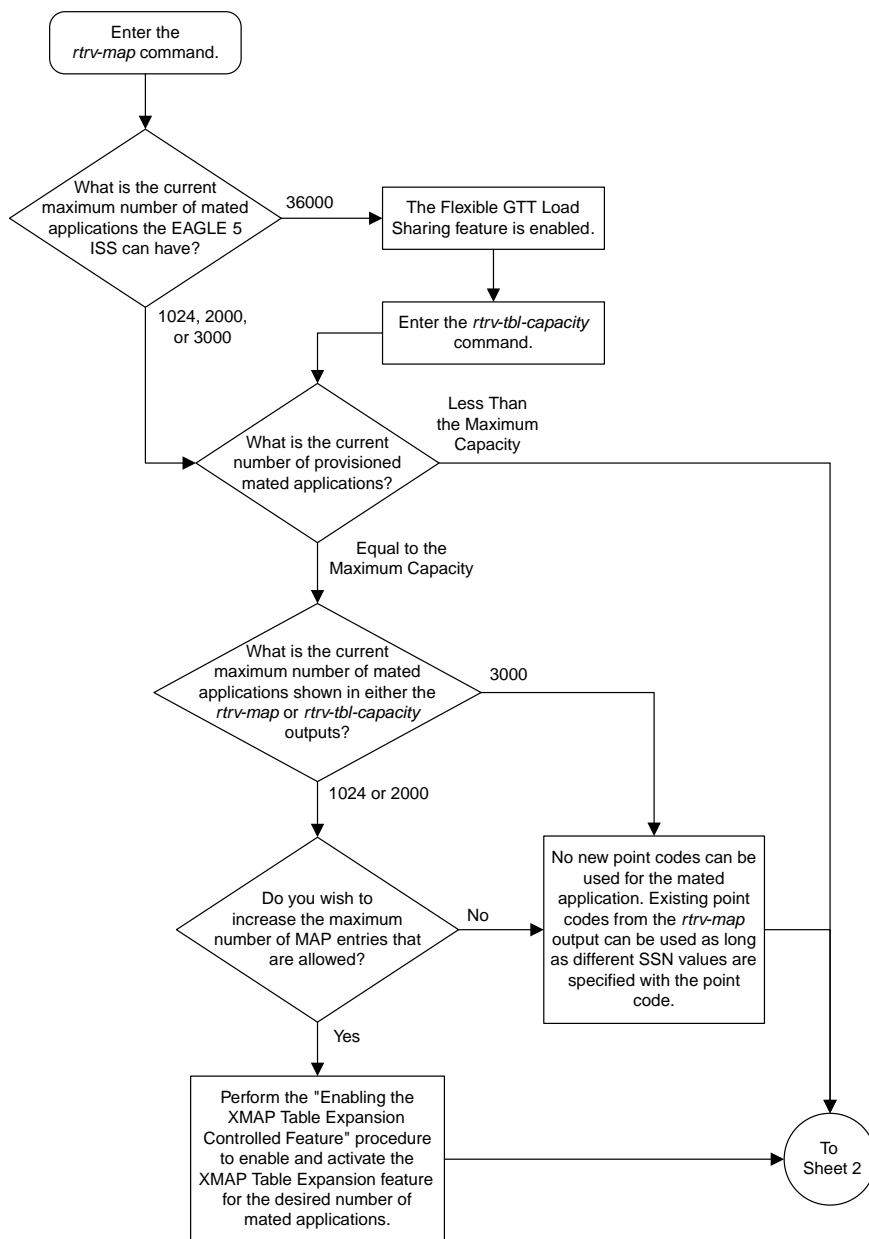
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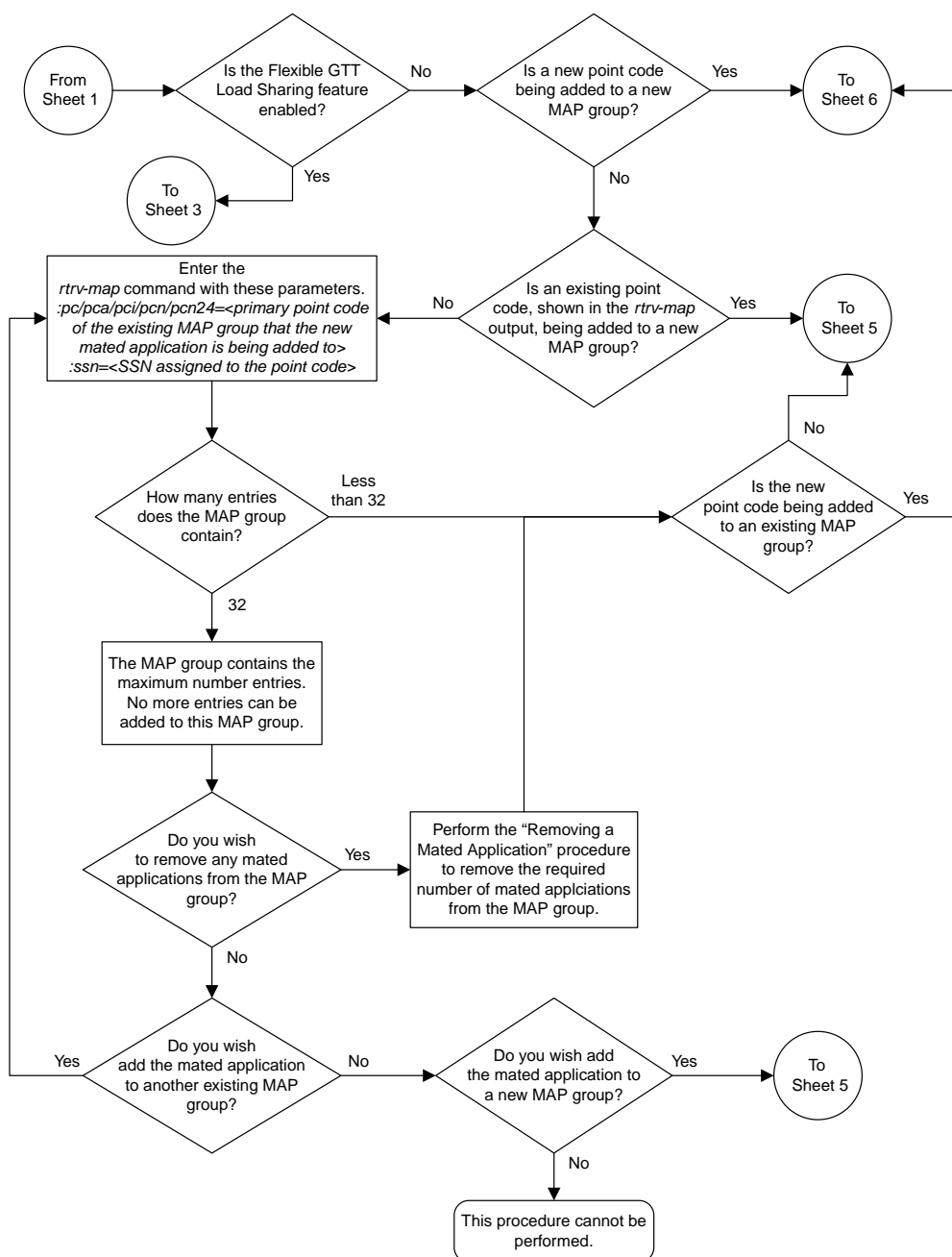
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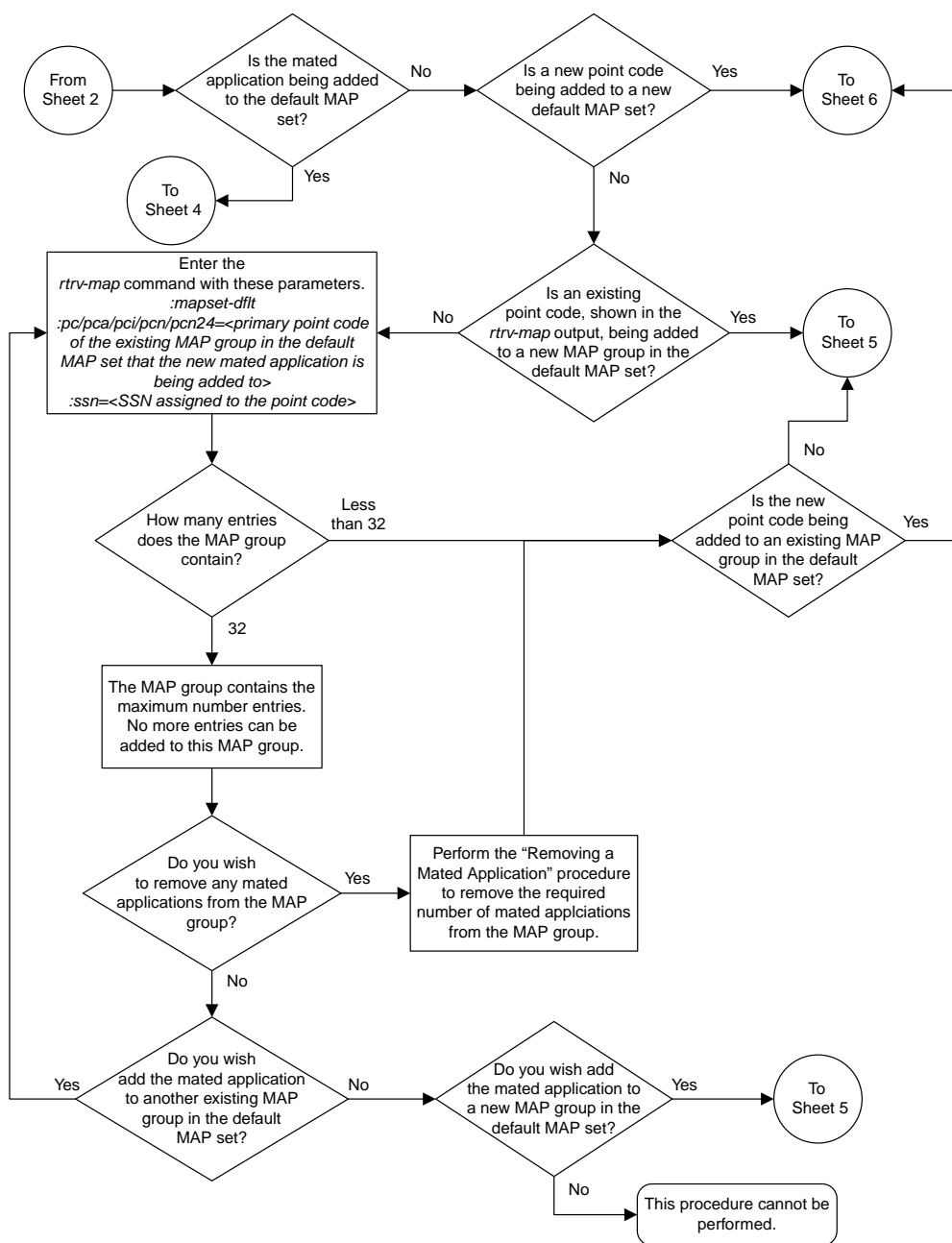
## Provisioning a Load Shared Mated Application



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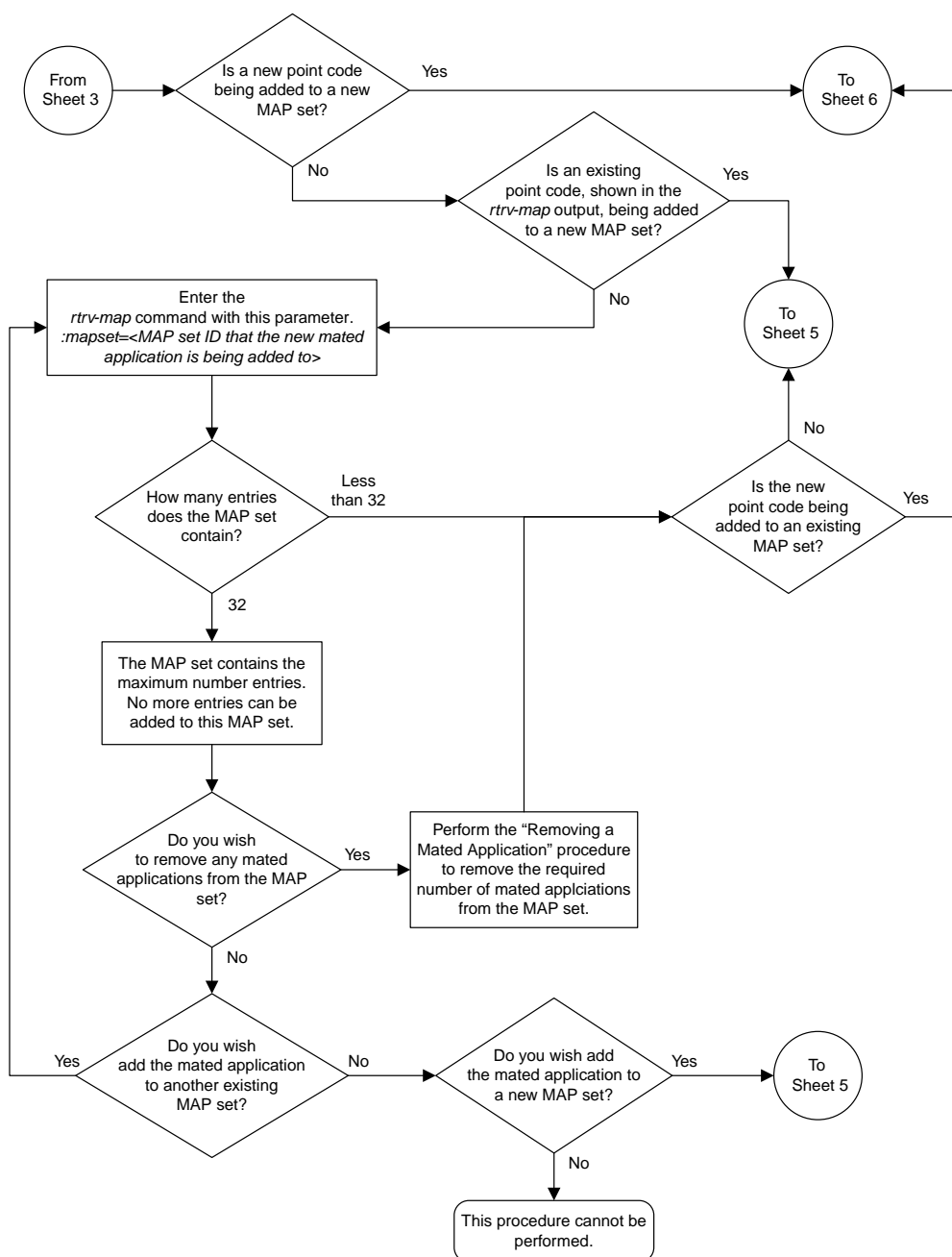


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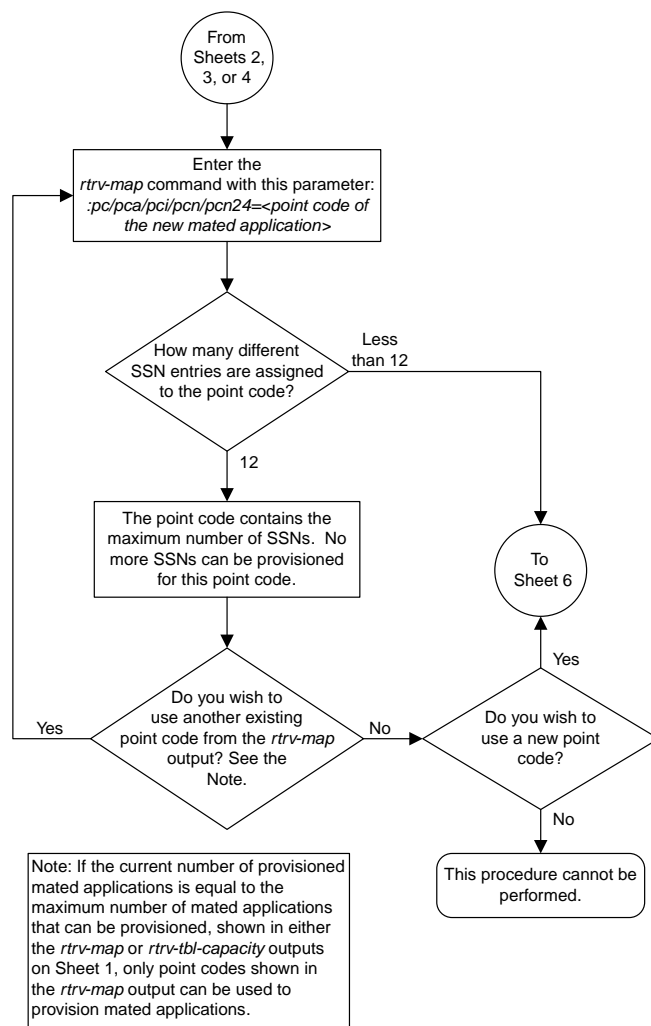


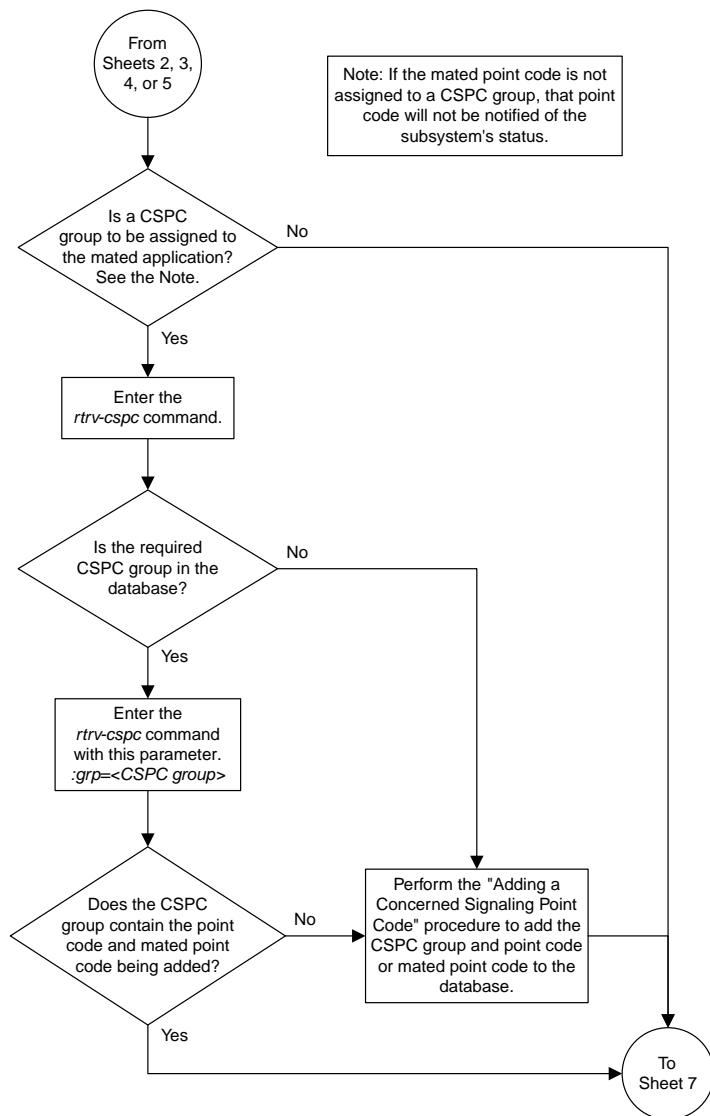
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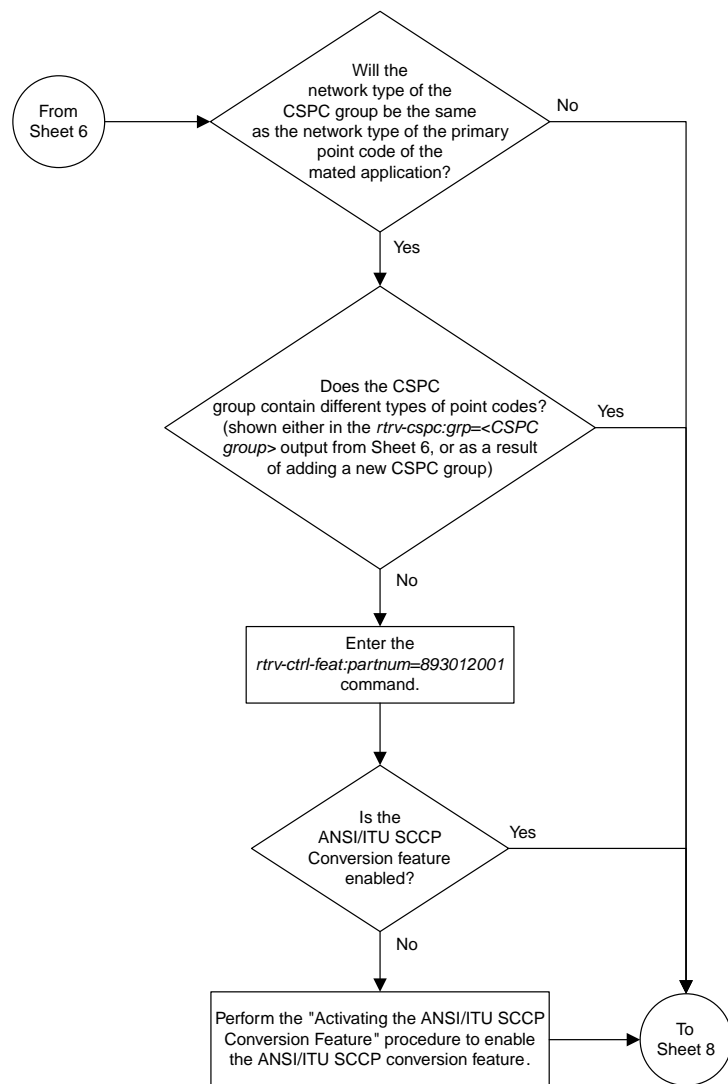


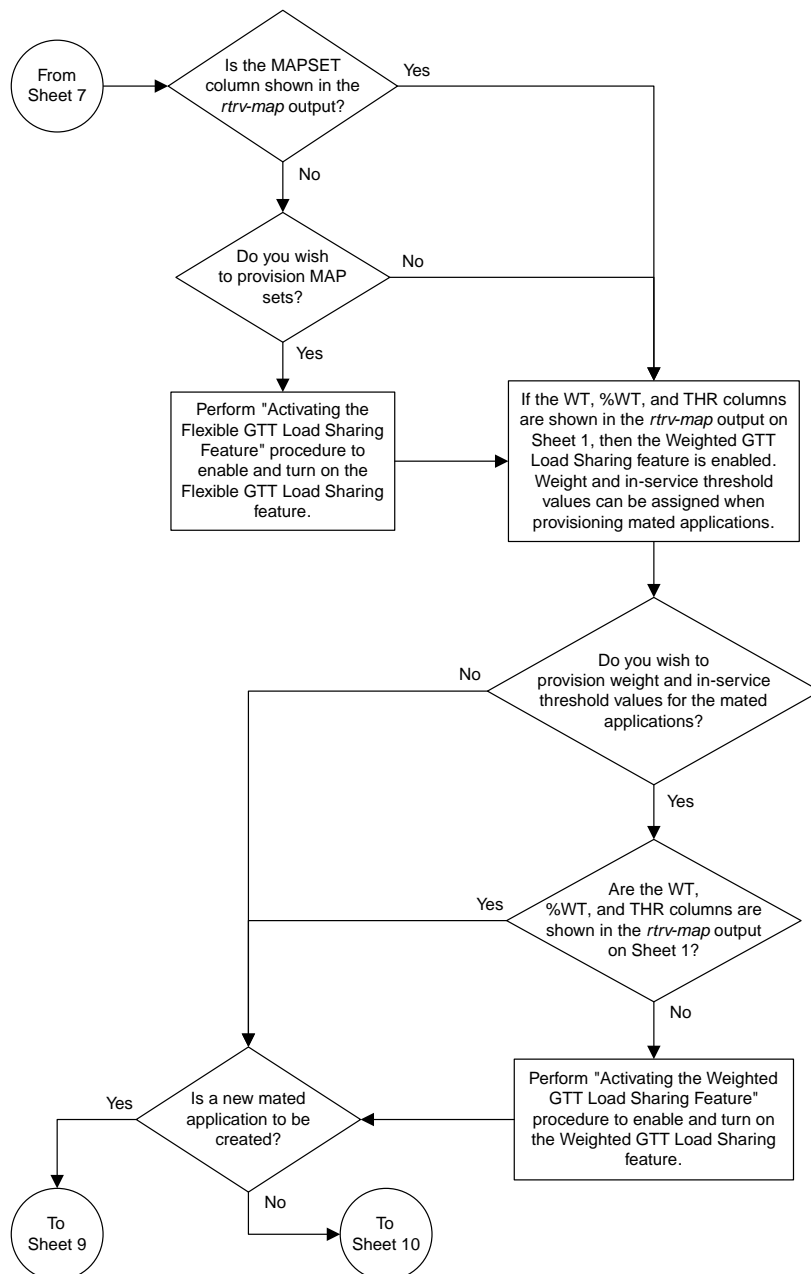


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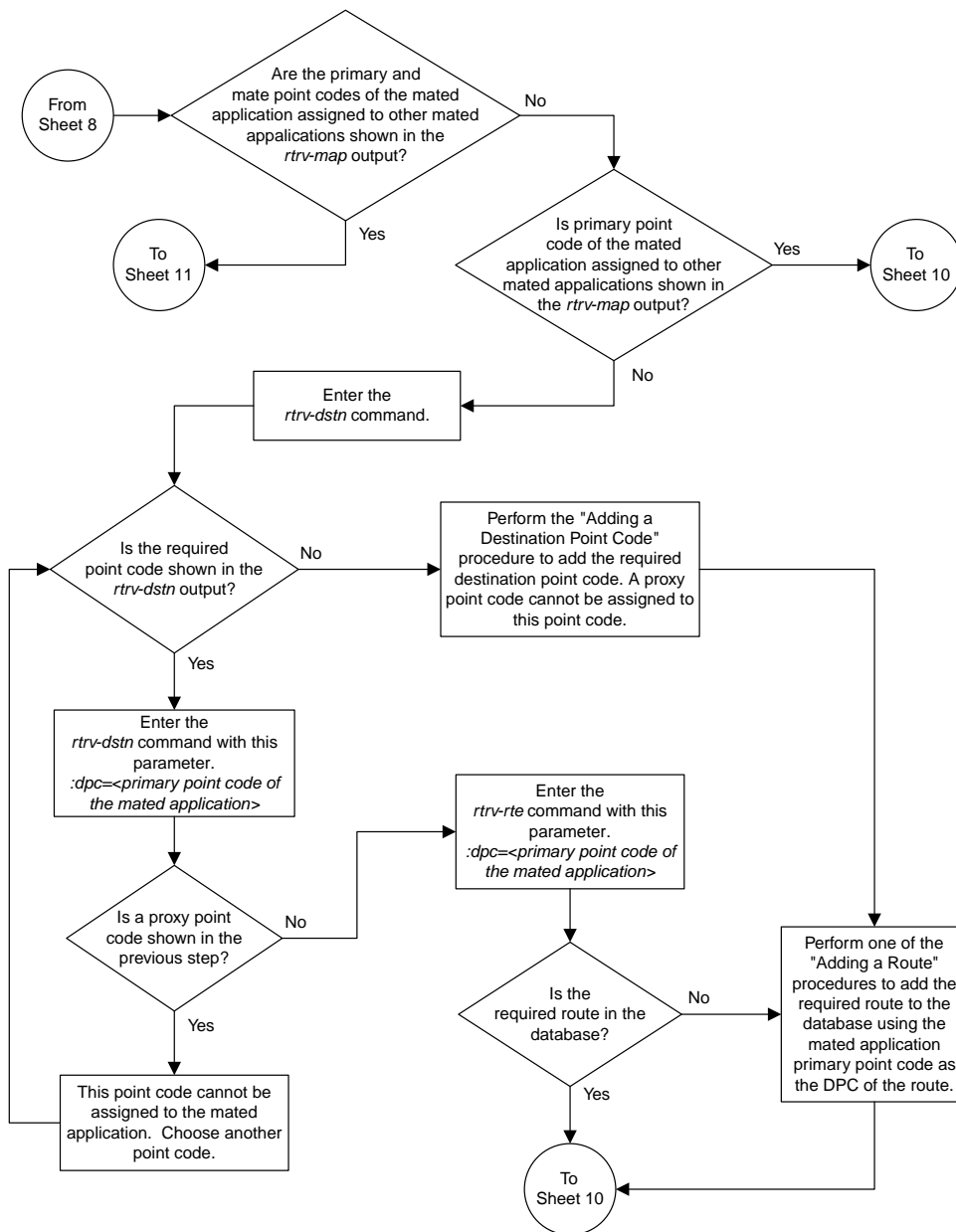




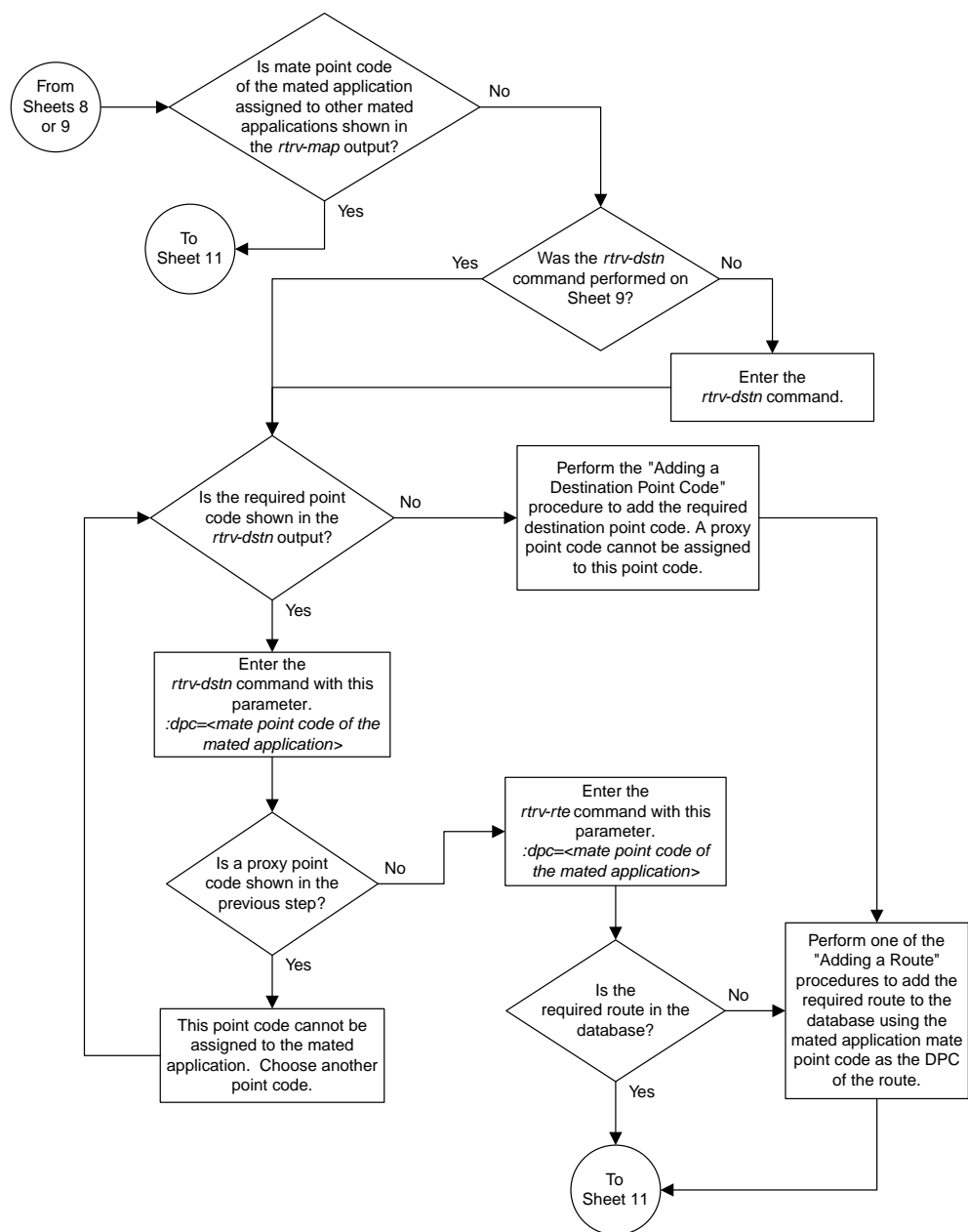




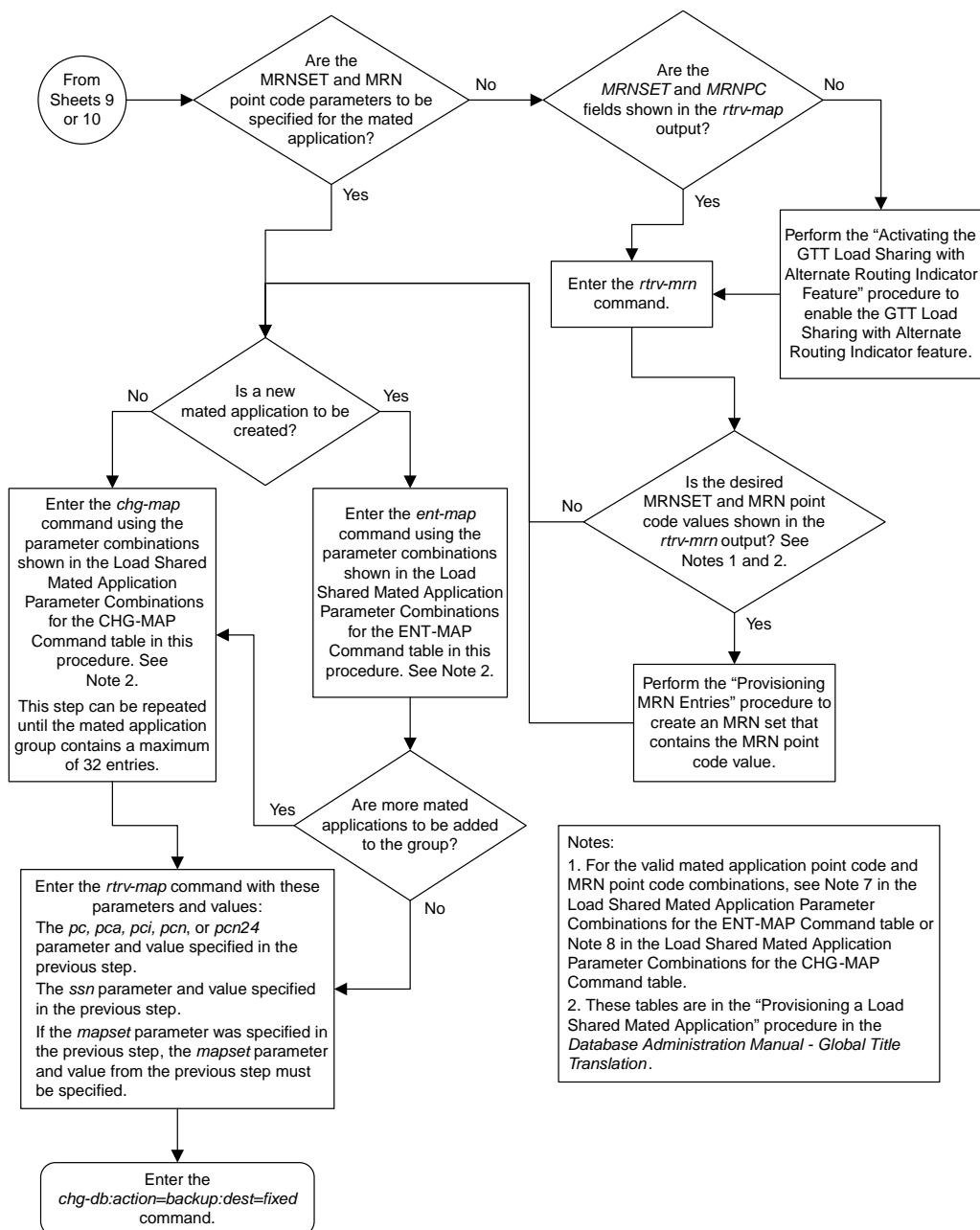
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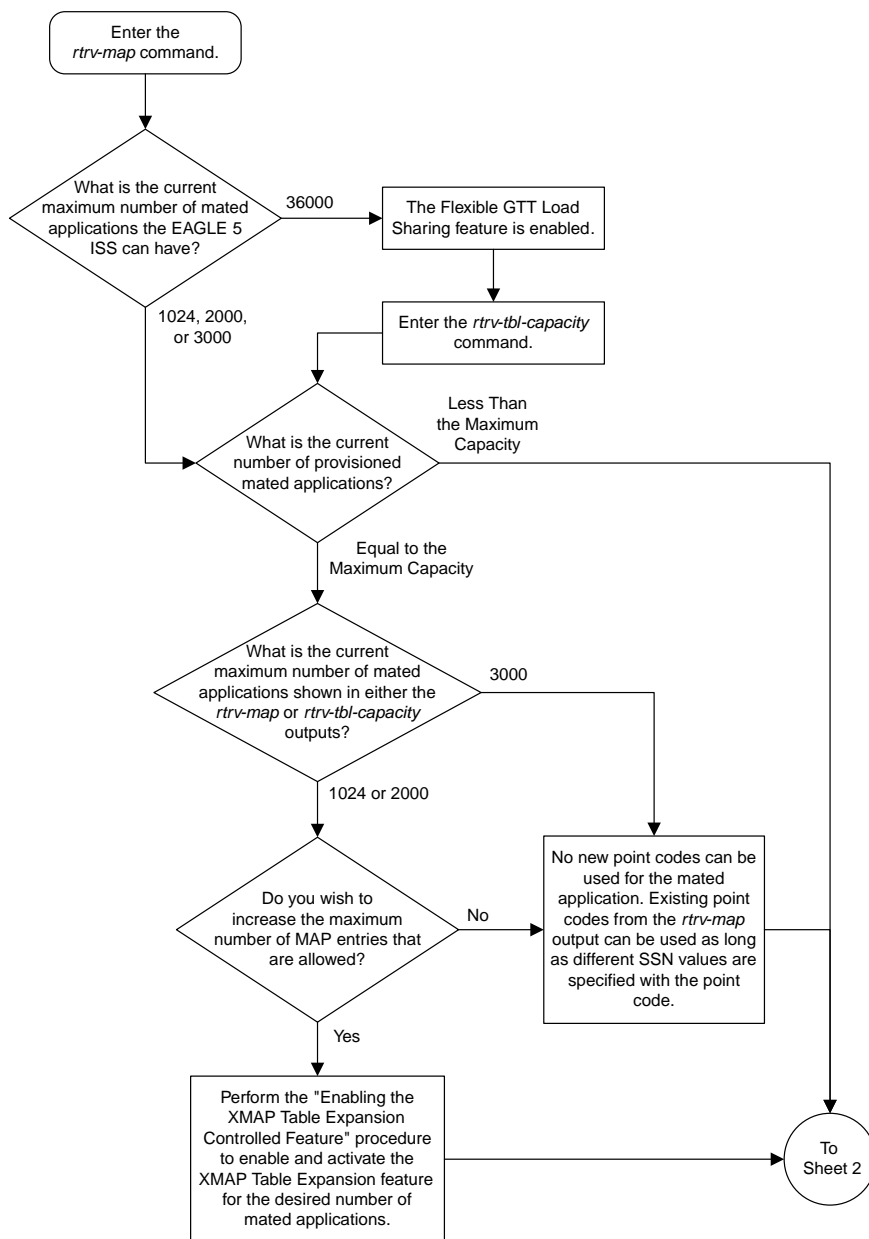


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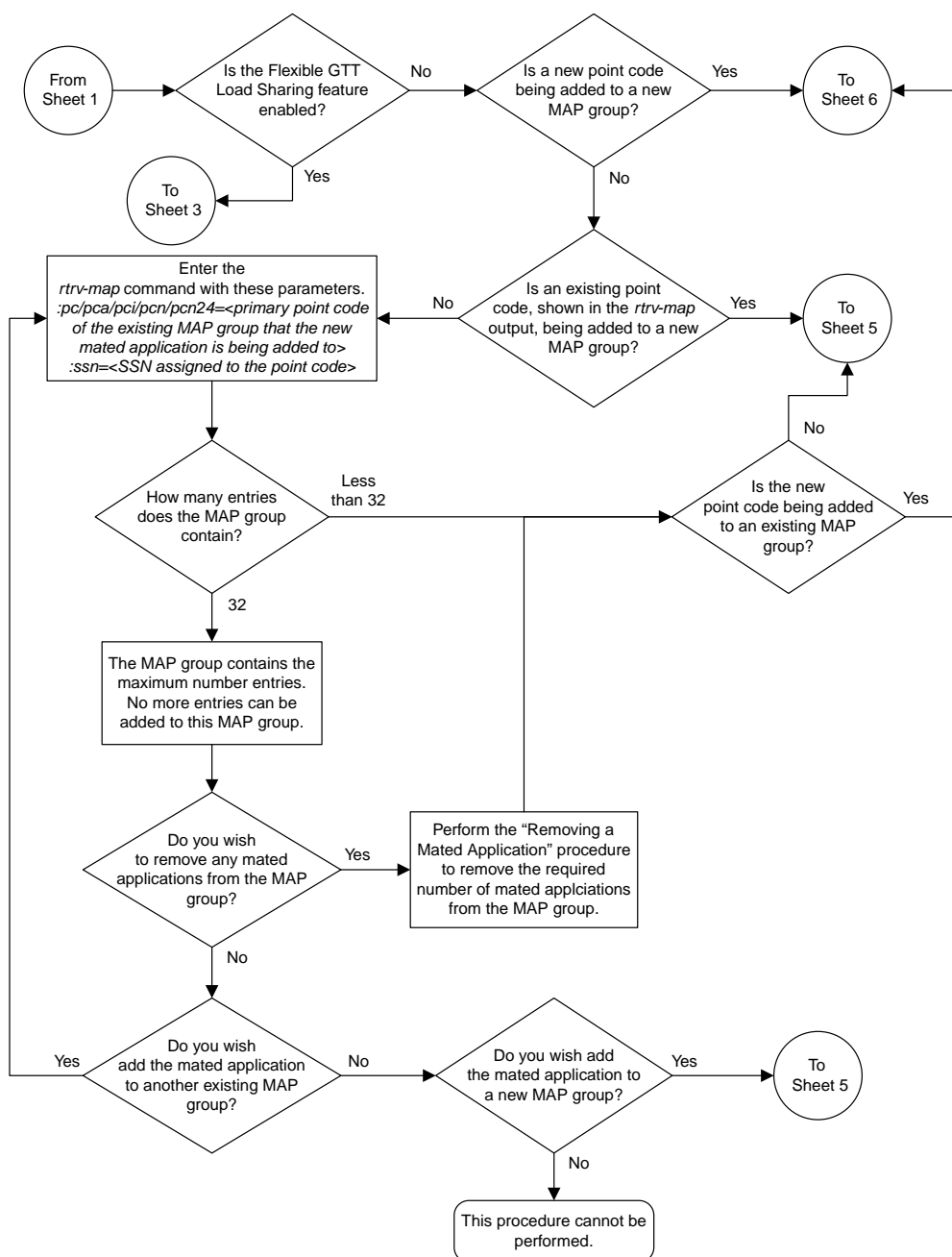




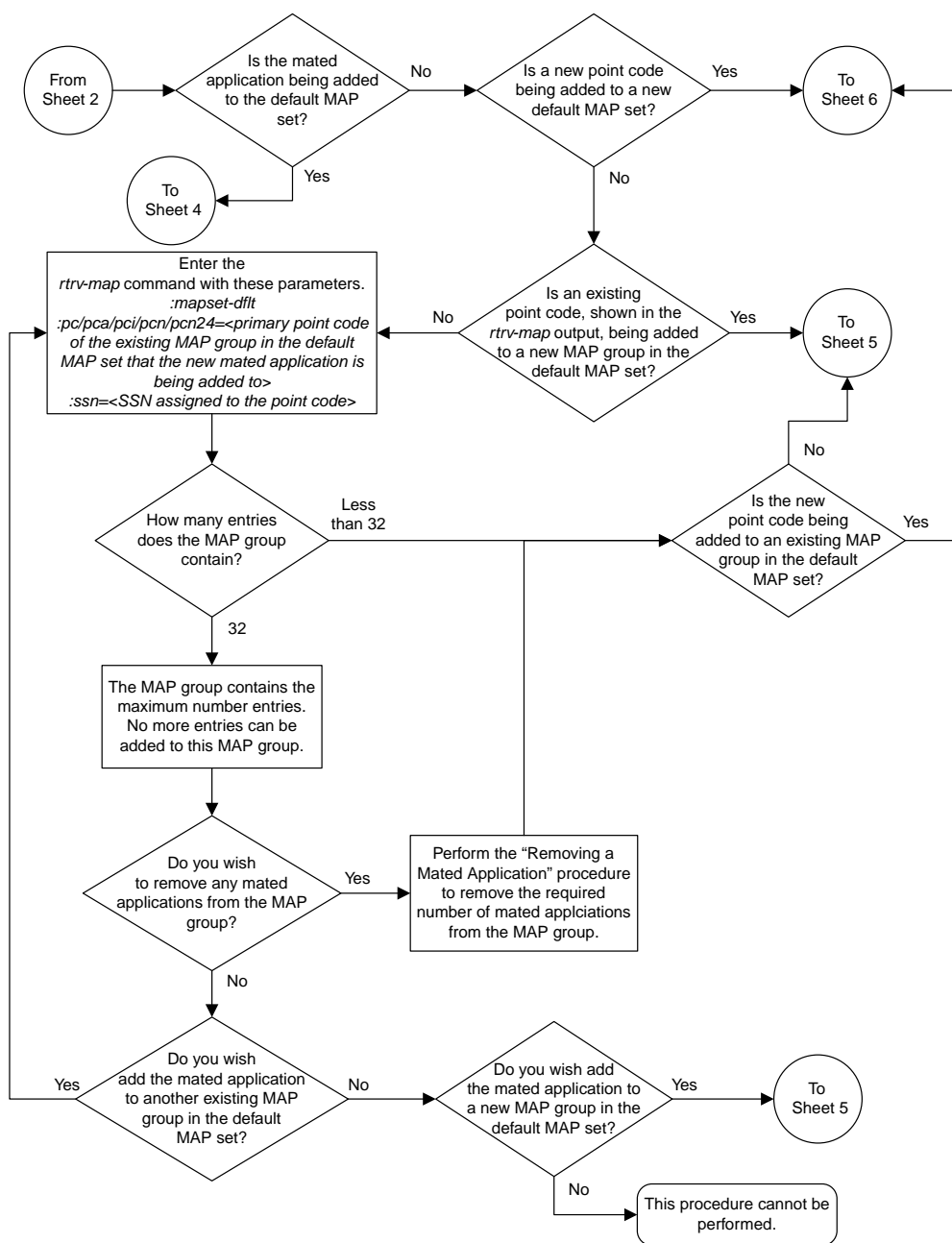
## Provisioning a Combined Dominant/Load Shared Mated Application



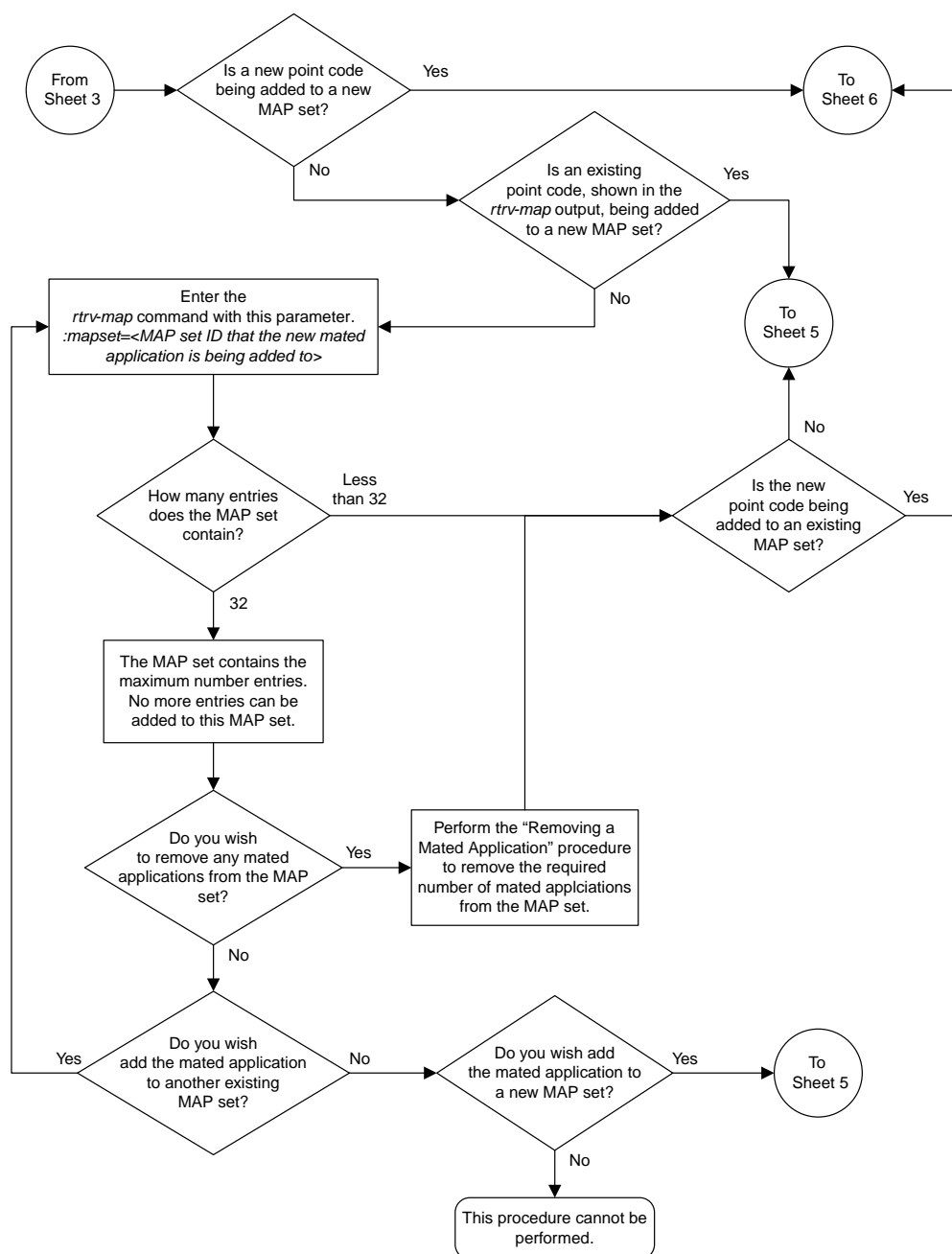
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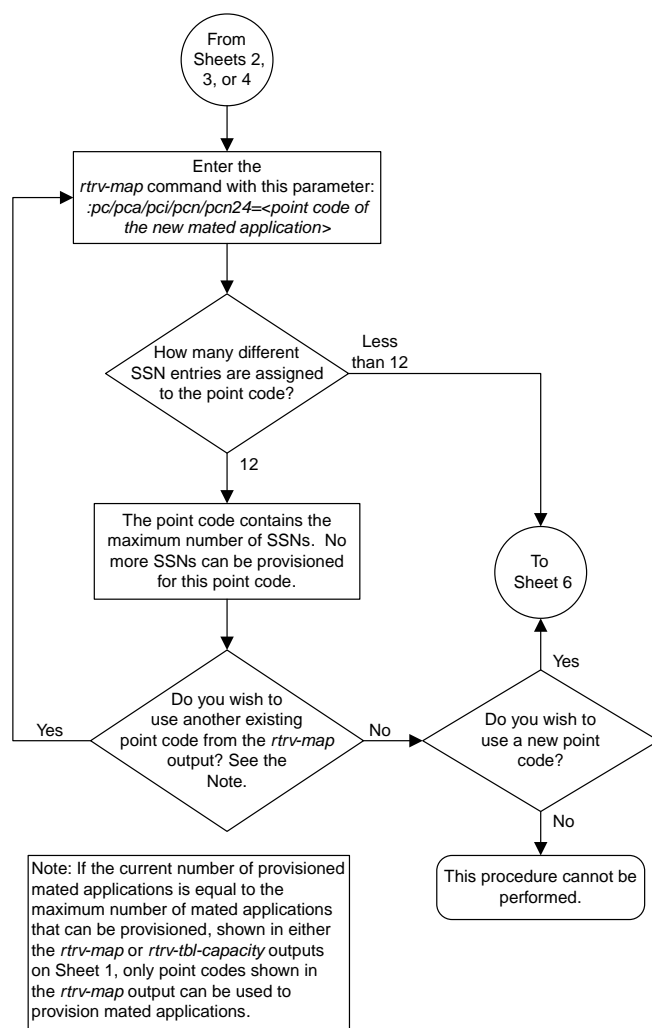
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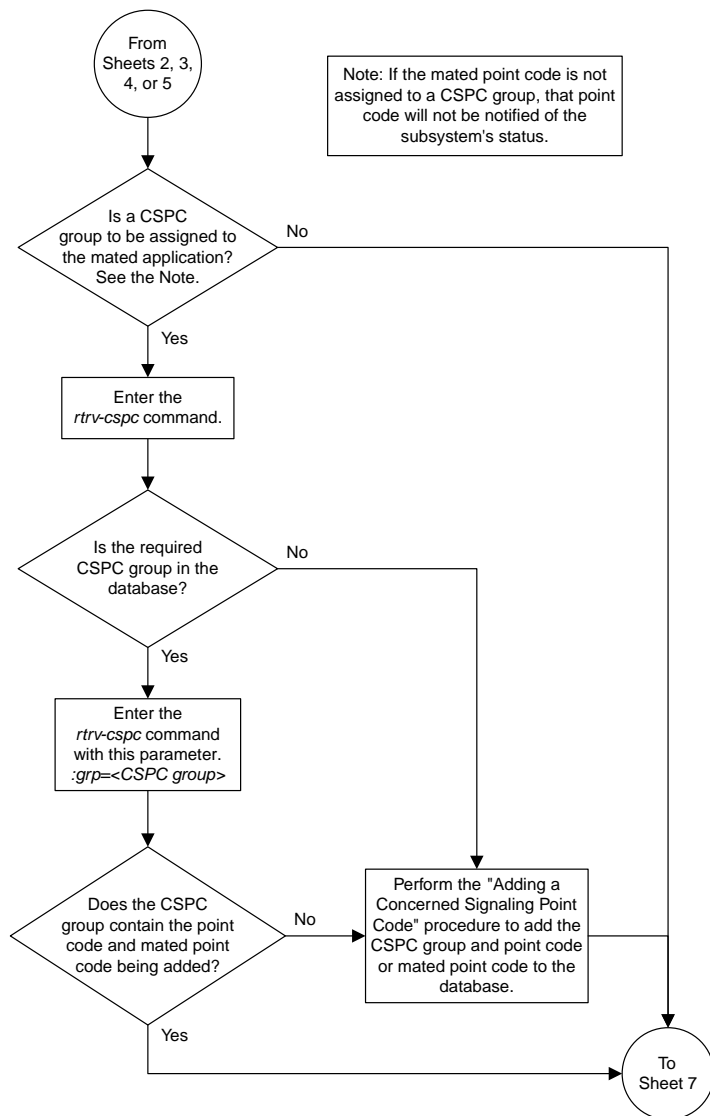


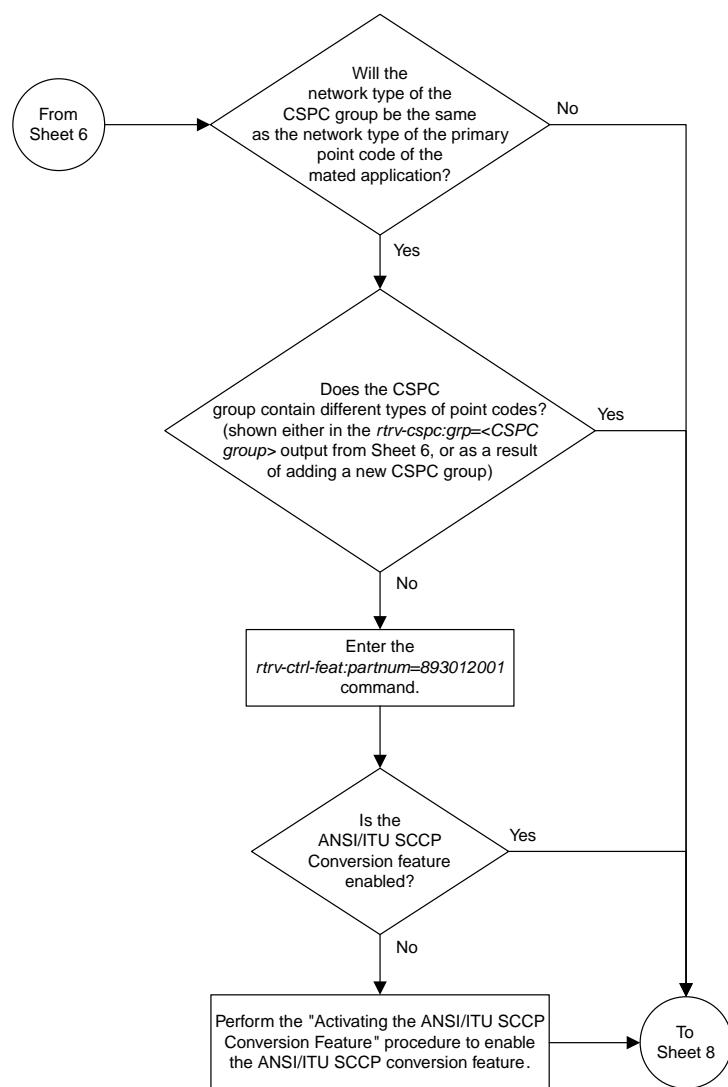
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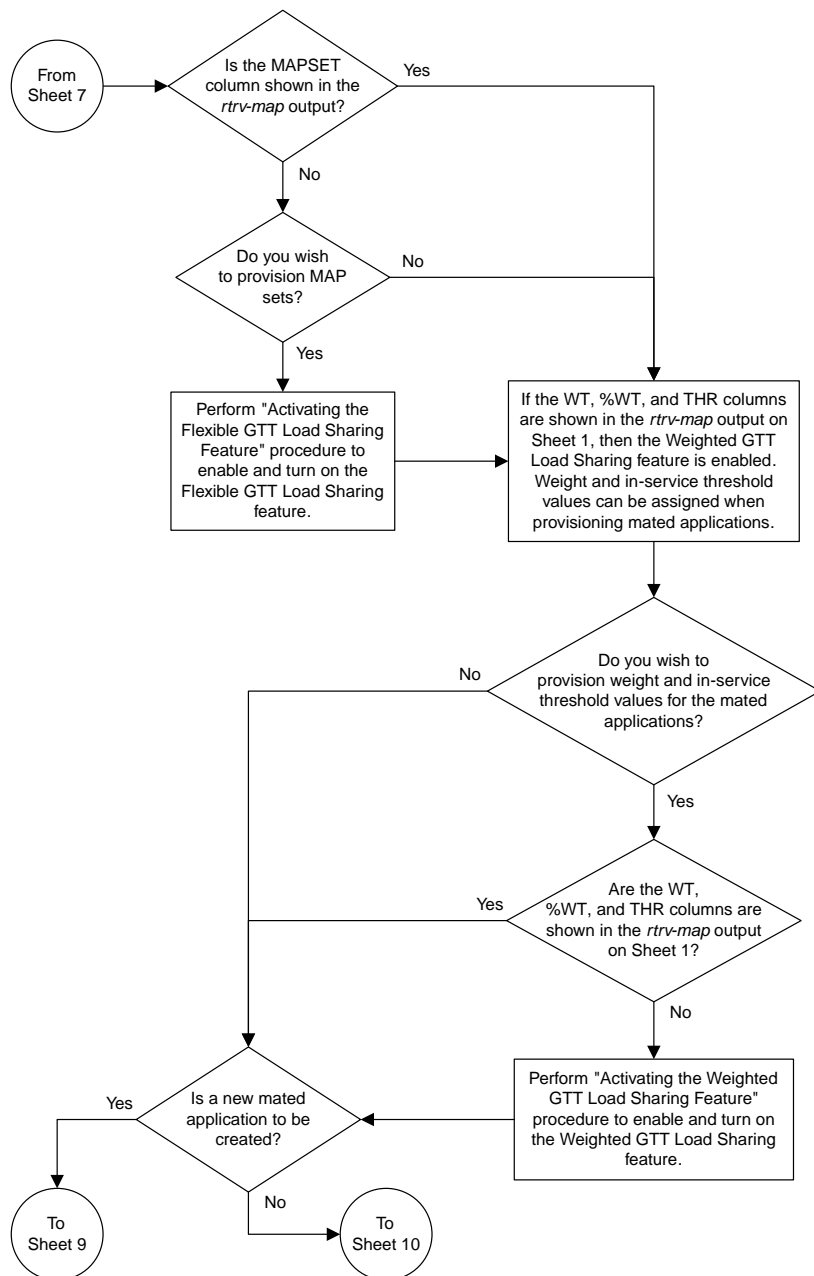


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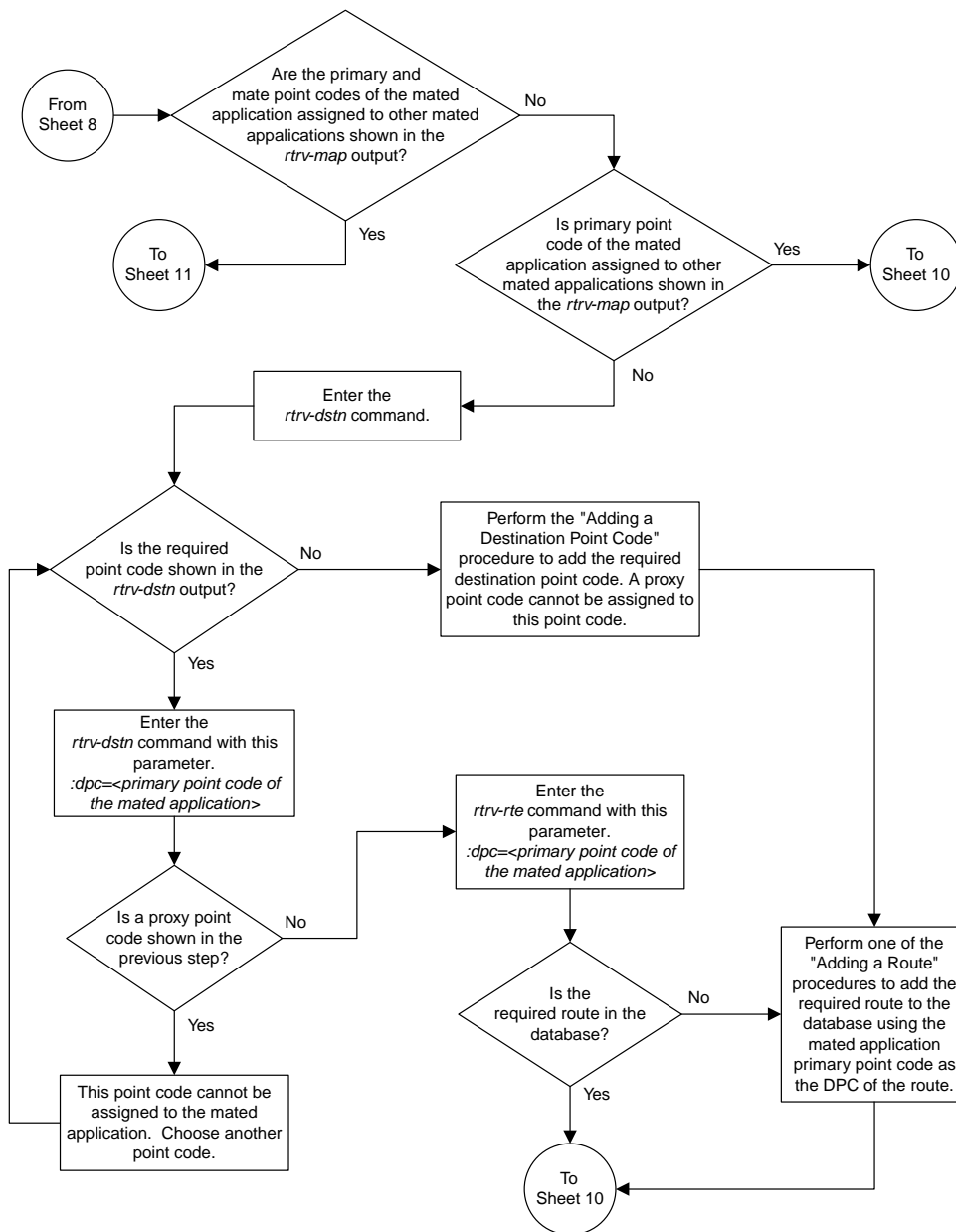




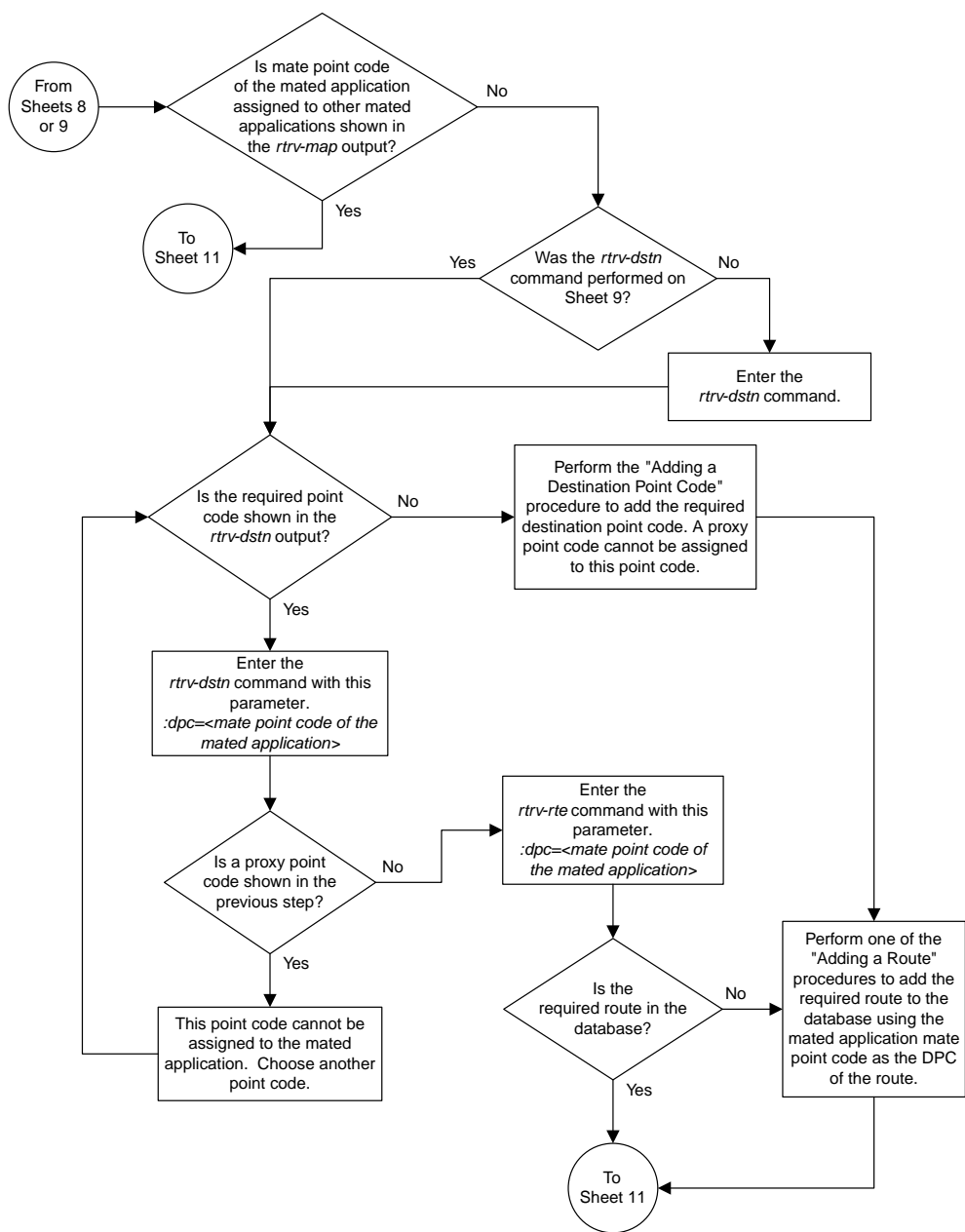


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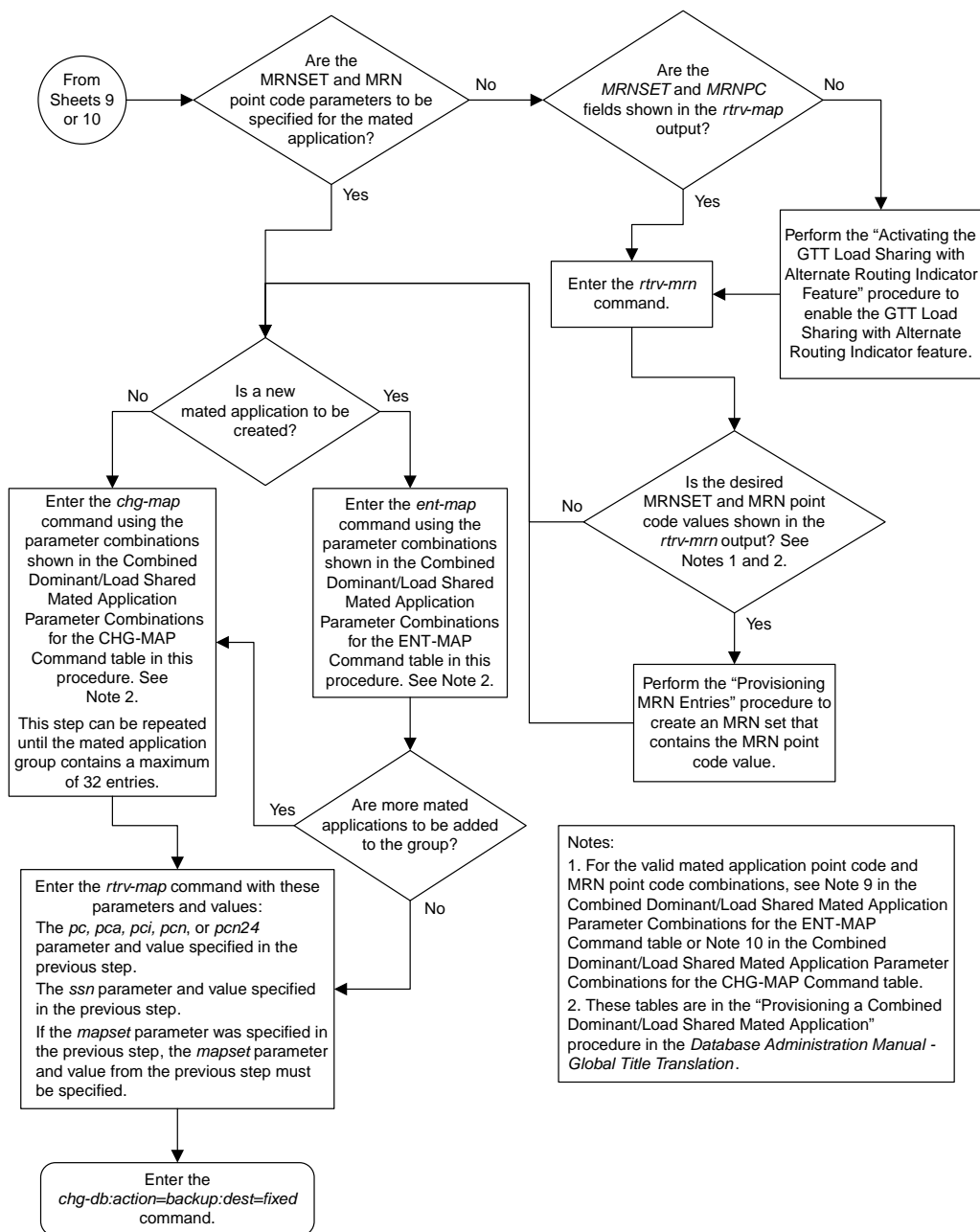




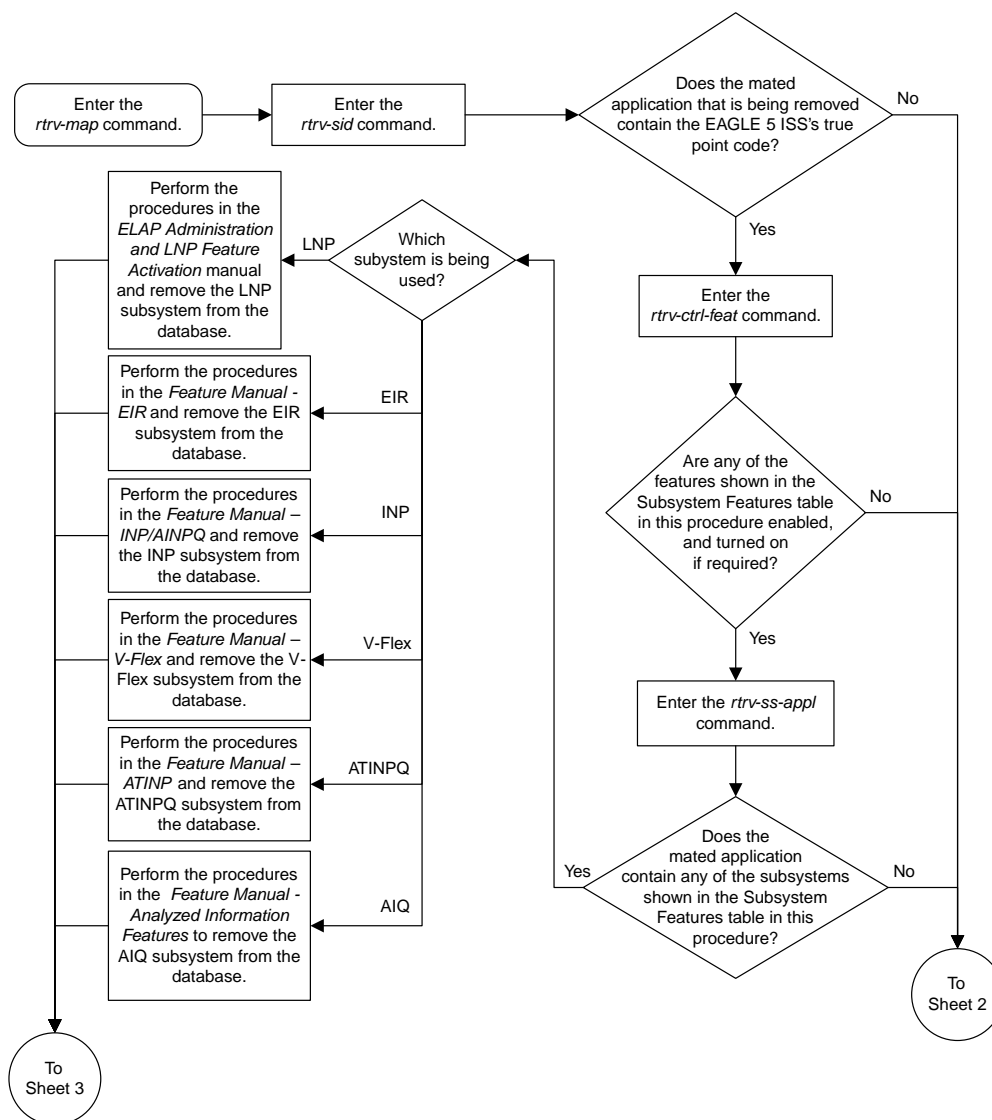
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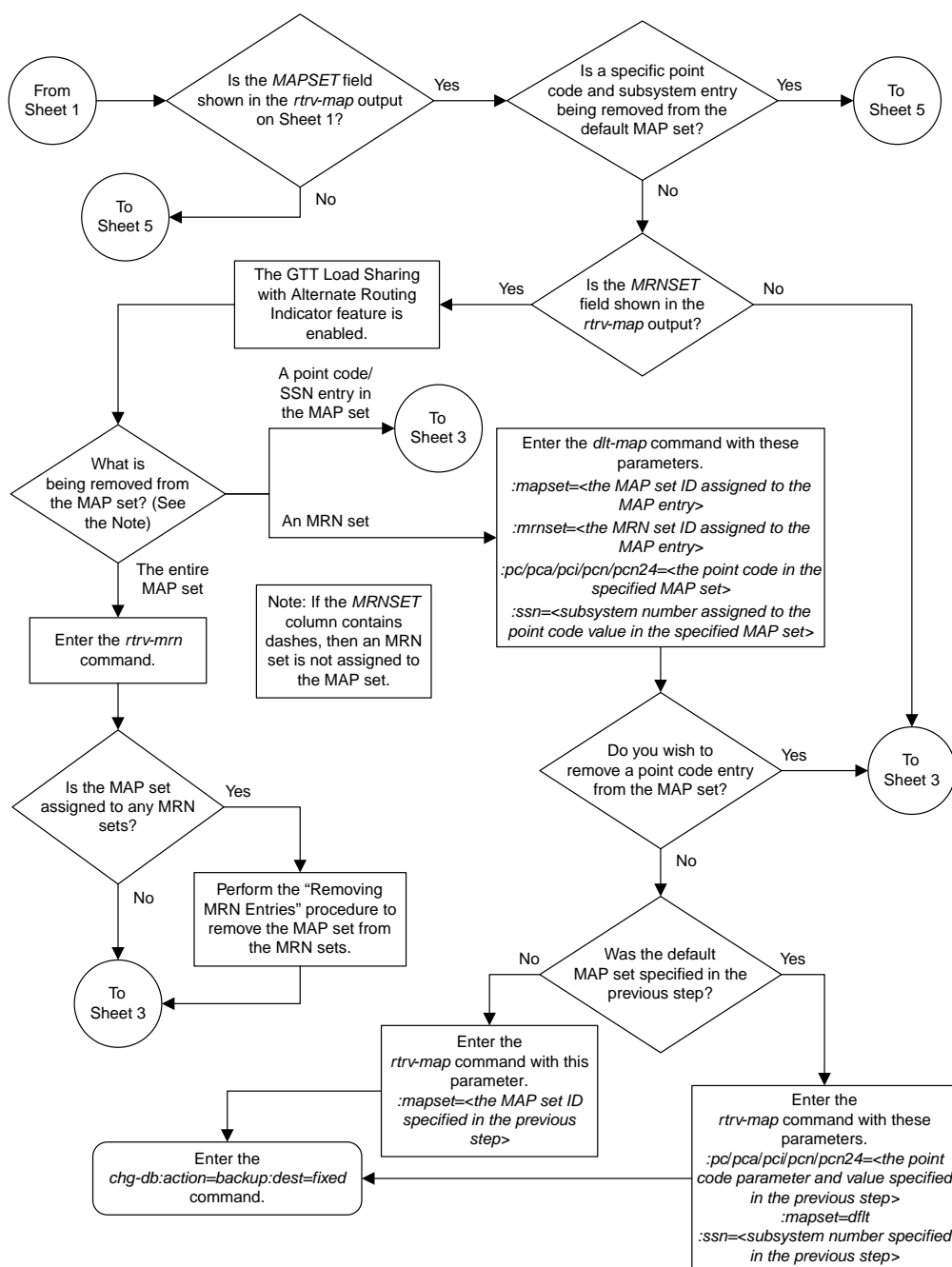


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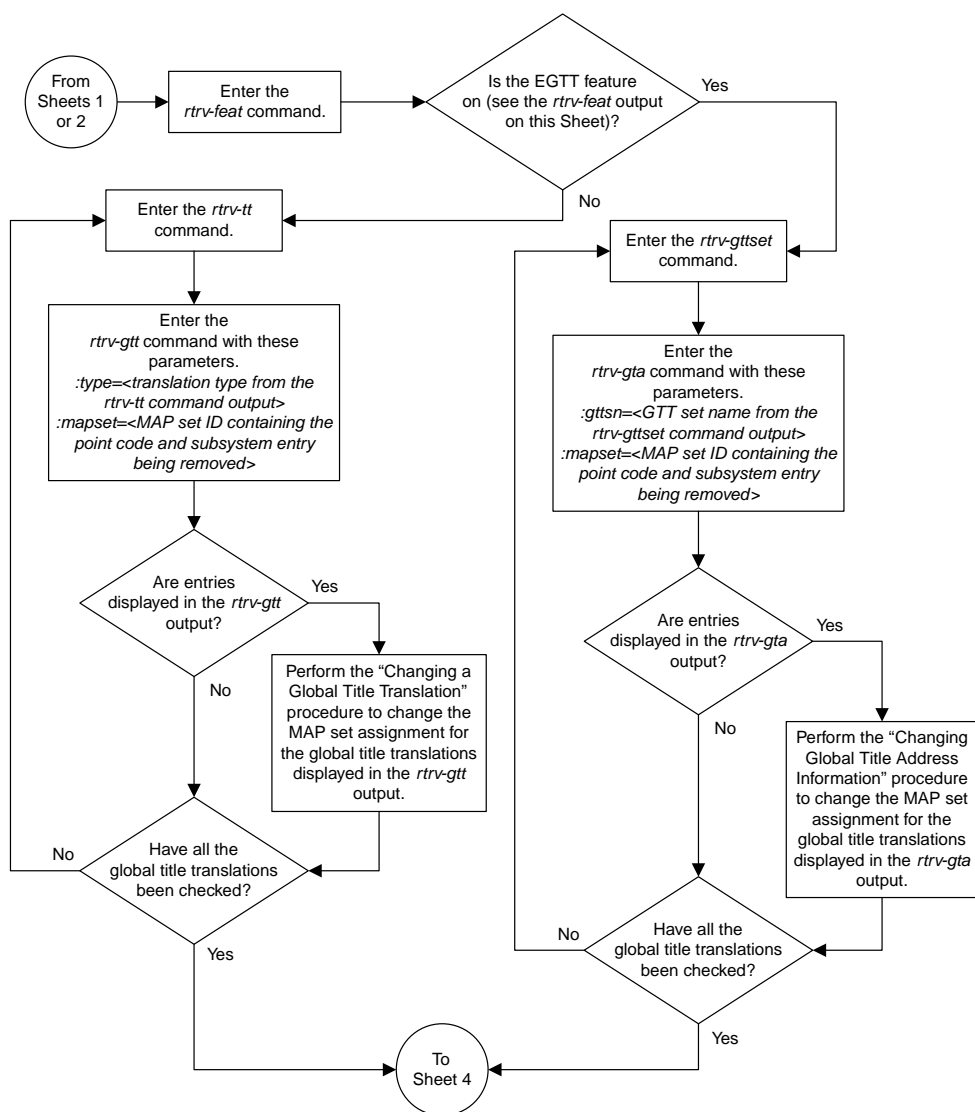


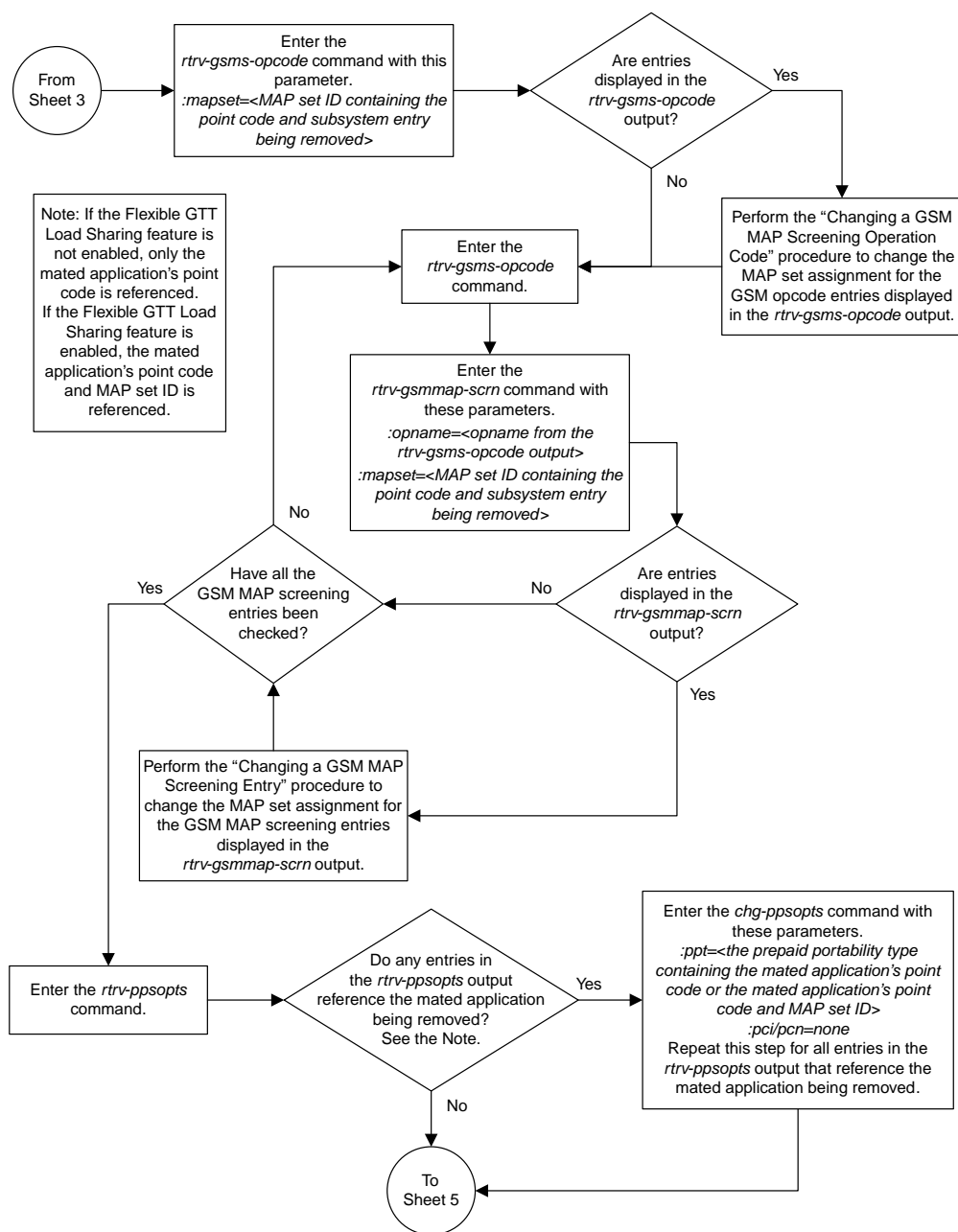
## Removing a Mated Application

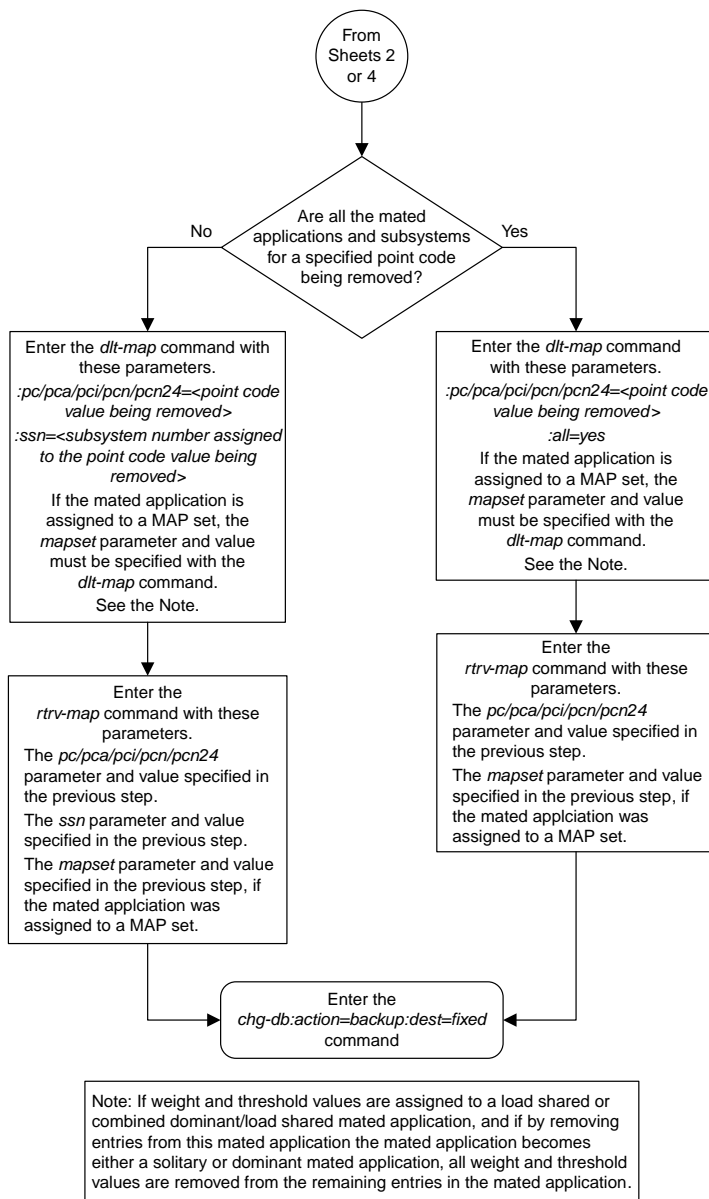




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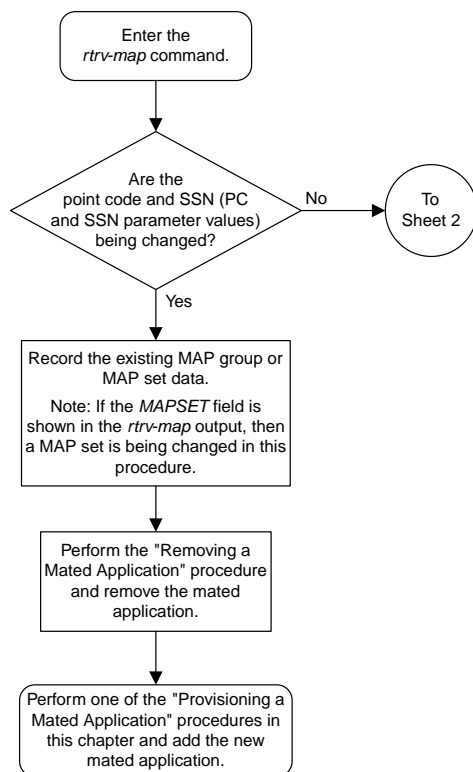


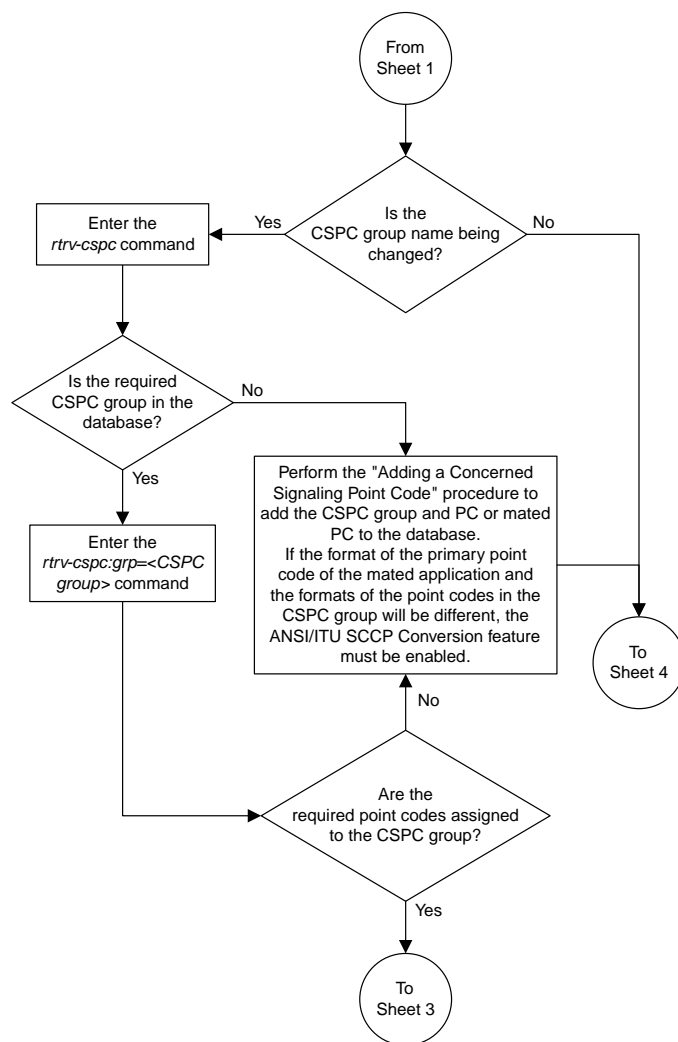




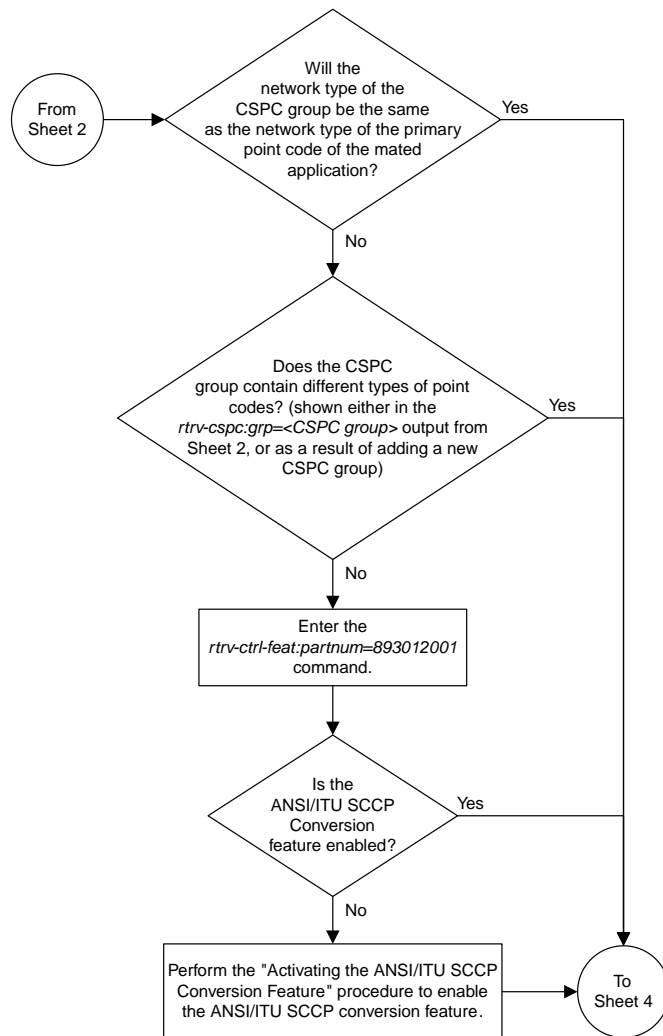


## Changing the Attributes of a Mated Application

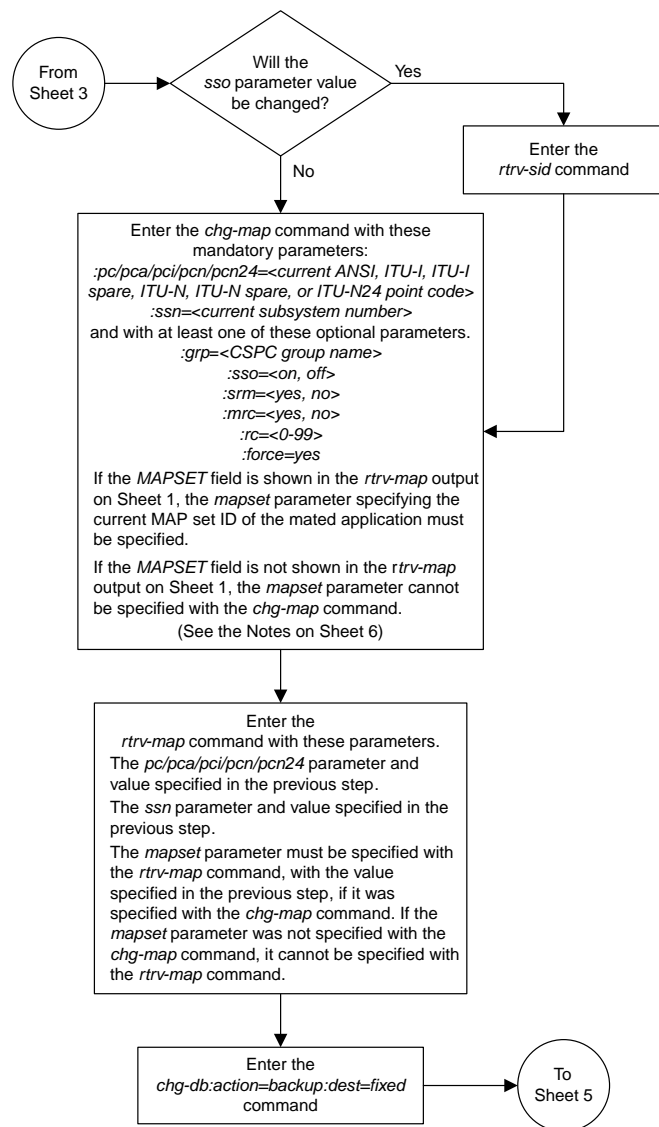


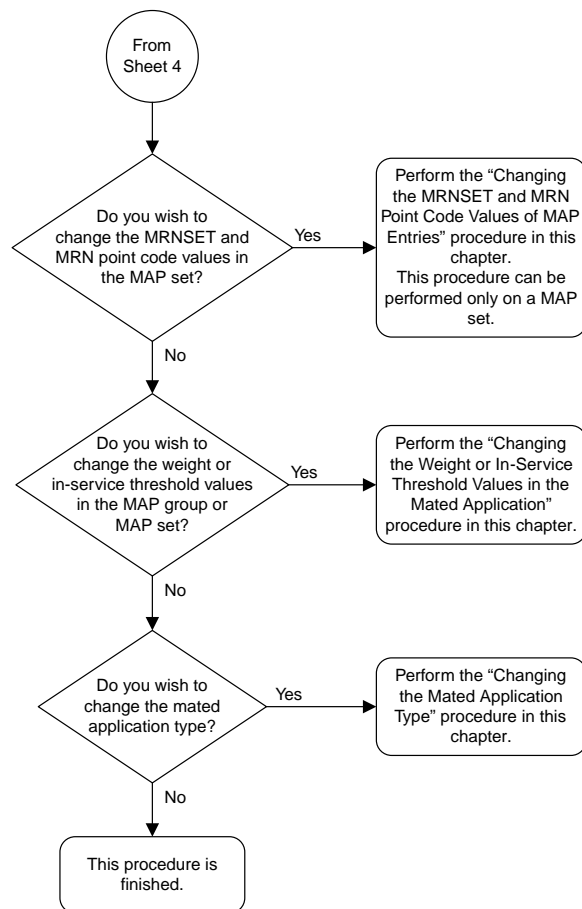


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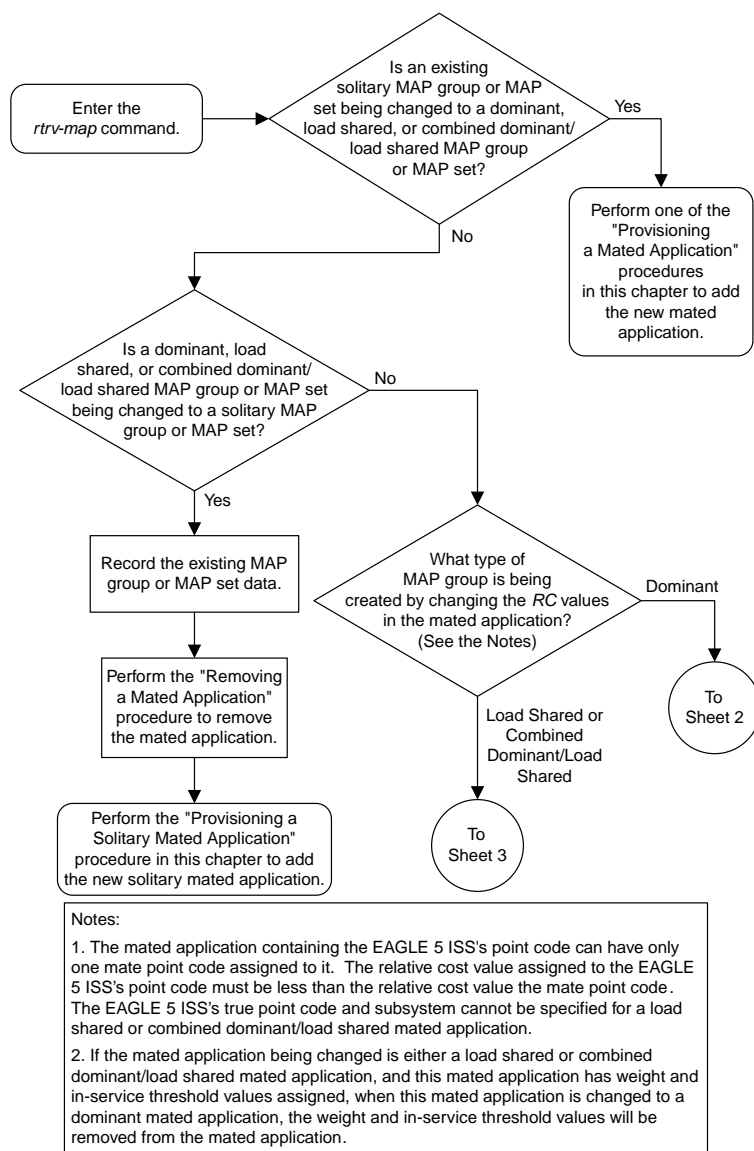


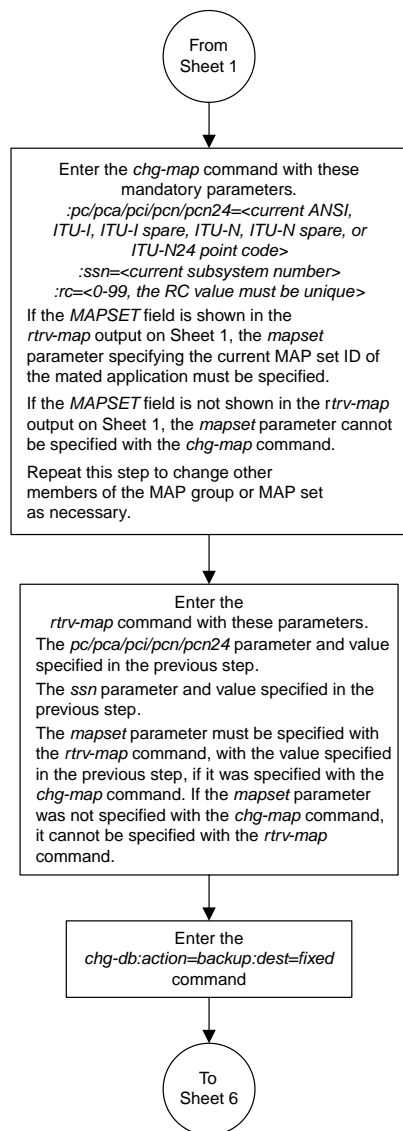


## Notes:

1. A solitary mated application contains only one entry. The *rc* parameter can be specified for a solitary mated application, but is not necessary.
2. A dominant mated application is a MAP group or MAP set whose *rc* entries that are unique. If the *rc* value of a dominant mated application is being changed, make sure that the new *rc* value is unique.
3. A load shared mated application is a MAP group or MAP set whose *rc* entries that are equal. Specifying the *rc* parameter for an entry in a load shared mated application is not necessary. For the load shared mated application to remain a load shared mated application, the *rc* value for any entry cannot be changed to another value.
4. A combined dominant/load shared mated application is a MAP group or MAP set that contains entries with a minimum of two *rc* values that are equal and a minimum of one *rc* value that is different. If the *rc* value of a combined dominant/load shared mated application is being changed, make sure that the mated application contains a minimum of two *rc* values that are equal and a minimum of one *rc* value that is different.
5. The *sso* parameter cannot be specified if the point code value for the mated application is the EAGLE 5 ISS's point code, shown in the *rtrv-sid* output.
6. The format of the point codes in the CSPC group specified with the *grp* parameter must be the same as the primary point code specified with the *chg-map* command only if the ANSI/ITU SCCP Conversion feature is not enabled. If the ANSI/ITU SCCP Conversion feature is enabled, the CSPC group may contain a mixture of point code types (see the "Adding a Concerned Signaling Point Code" procedure in this chapter), and the network type of the CSPC group can be different from the network type of the primary point code of the mated application.
7. The mated application containing the EAGLE 5 ISS's point code, shown in the *rtrv-sid* output, can have only one mate point code assigned to it. The relative cost value assigned to the EAGLE 5 ISS's point code must be less than the relative cost value the mate point code. The EAGLE 5 ISS's true point code and subsystem cannot be specified for a load shared or combined dominant/load shared mated application.
8. The *mapset* parameter can be specified only, and must be specified, if the Flexible GTT Load Sharing feature is enabled. If the *rtrv-map* output contains the *MAPSET* column, the Flexible GTT Load Sharing feature is enabled.
9. If the Flexible GTT Load Sharing feature is enabled, the new *grp*, *mrc*, *srn*, or *sso* values specified in the *chg-map* command are applied to all mated applications containing the point code and SSN specified in the *chg-map* command.
10. The *srn=yes* parameter cannot be specified for mated applications containing ITU point codes (*pci/mpci*, *pcn/mpcn*, or *pcn24/mpcn24* parameter values).
11. The *force=yes* parameter must be specified and can be specified only when the *rc* and either the *srn* or *mrc* parameters are specified.
12. The value of the *mrc* parameter affects traffic only if the mated application is a dominant mated application.
13. The value of the *srn* parameter affects traffic only if the mated application is a dominant or combined dominant/load shared mated application.

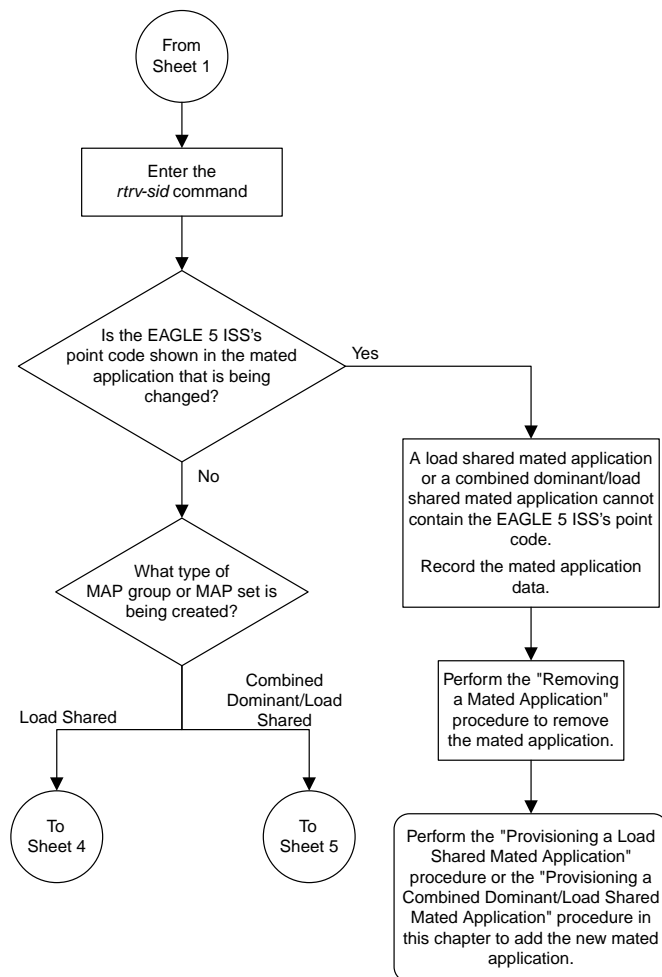
## Changing the Mated Application Type

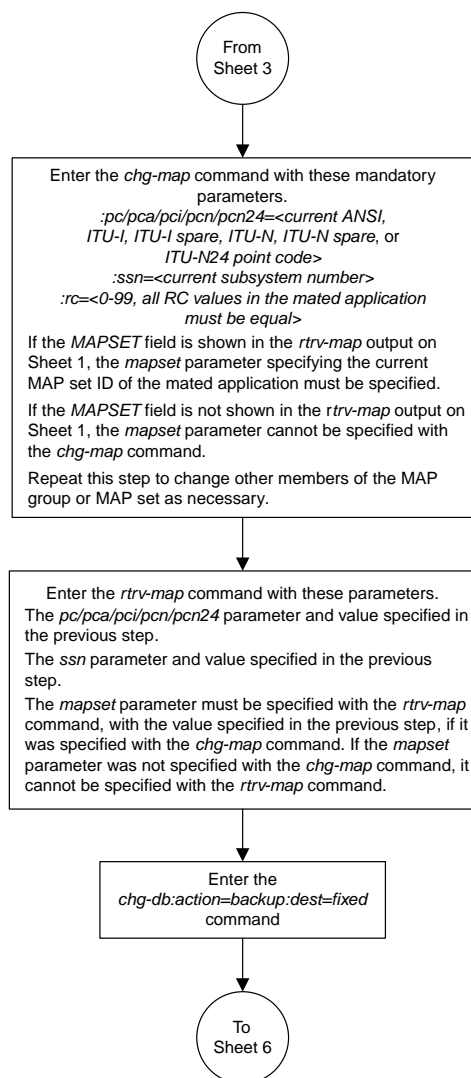




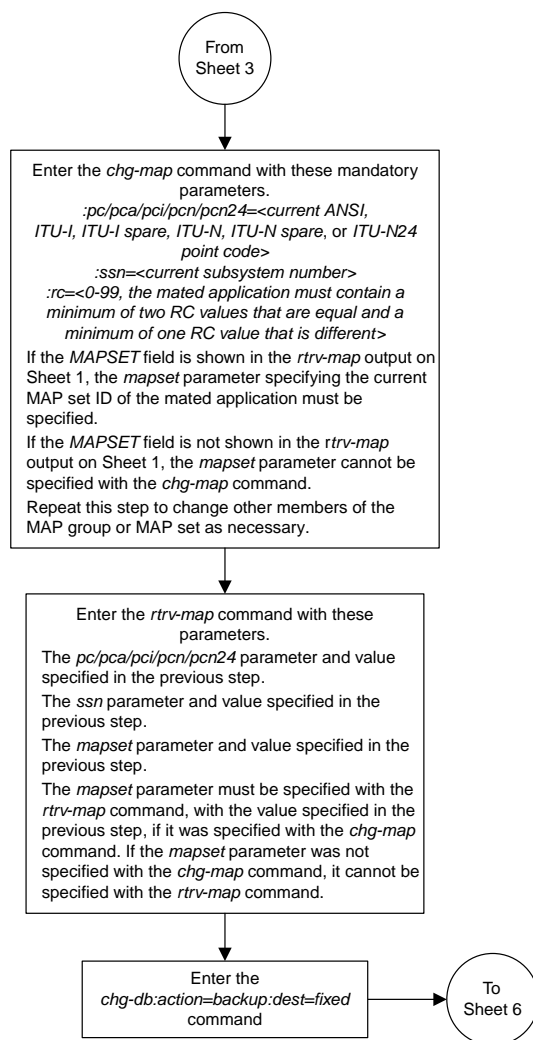
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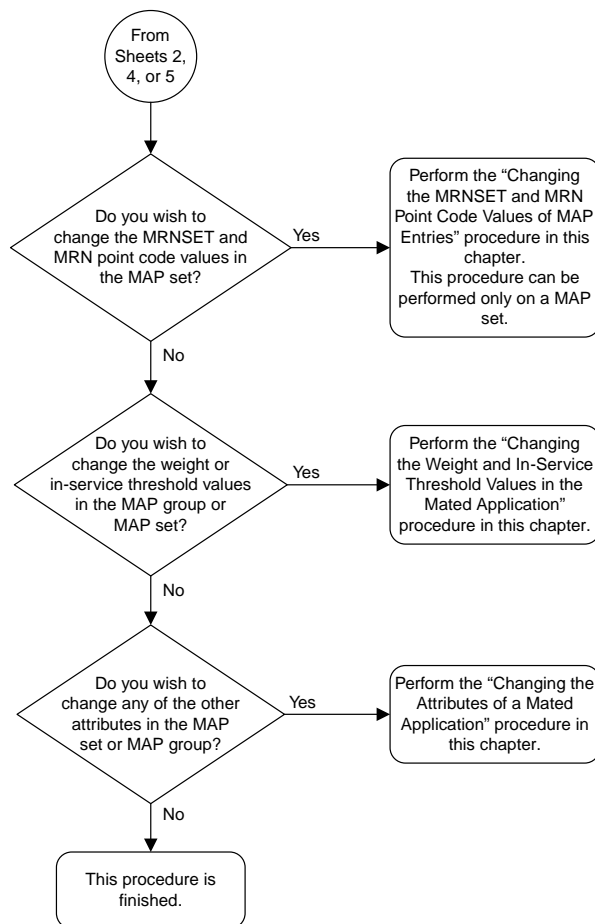




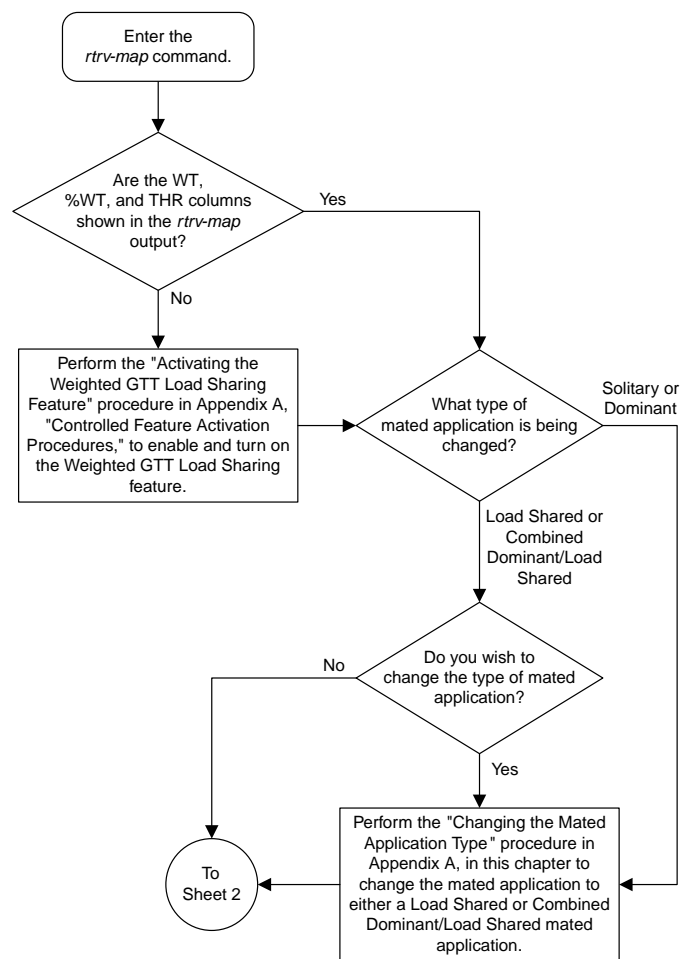


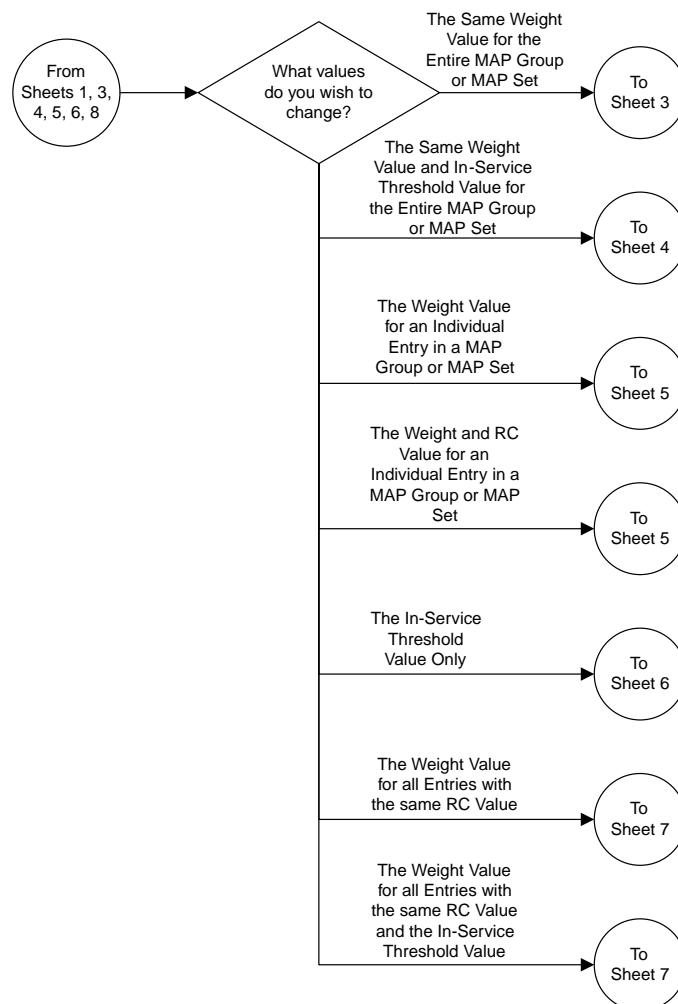
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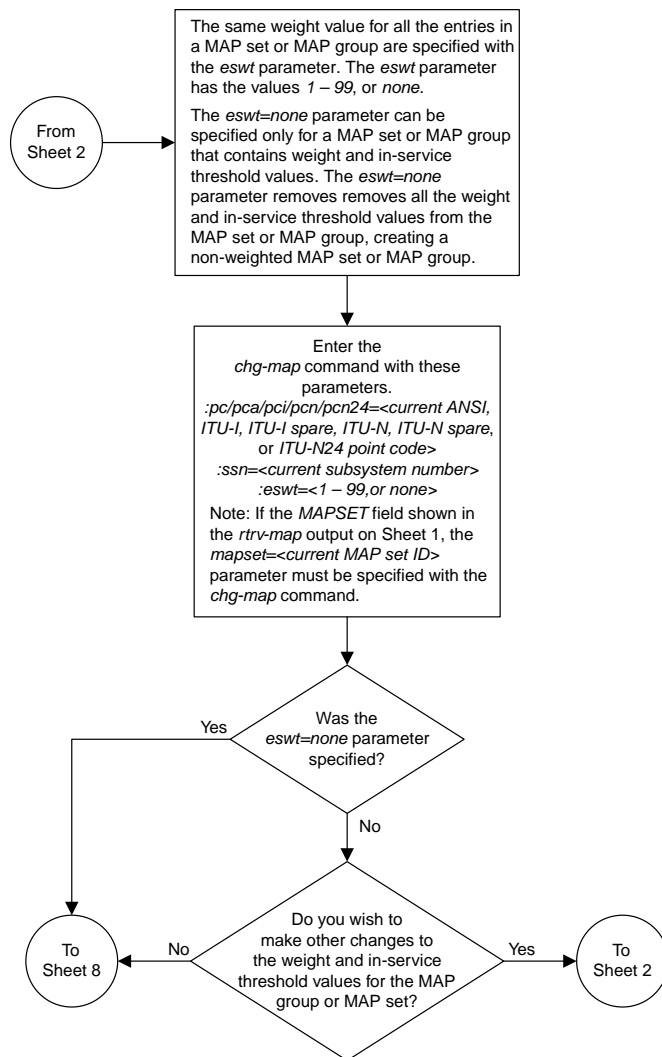


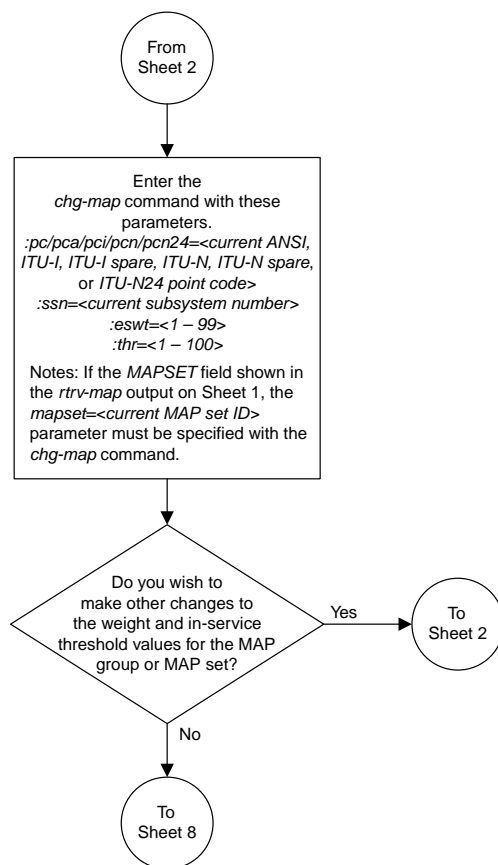


## Changing the Weight and In-Service Threshold Values of a Mated Application

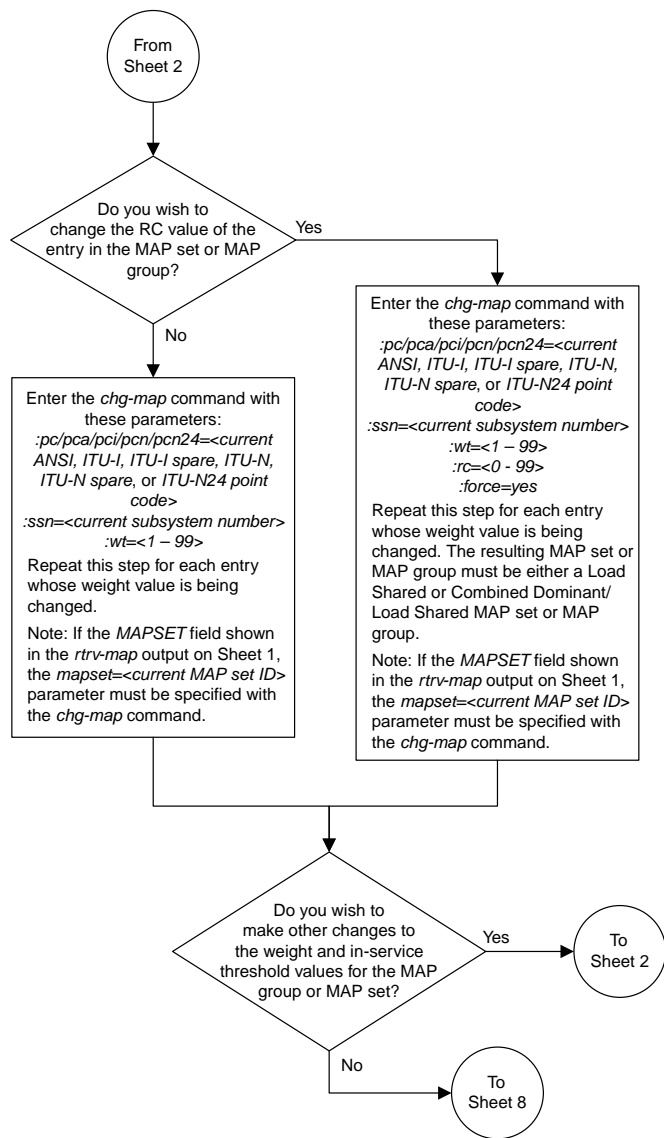


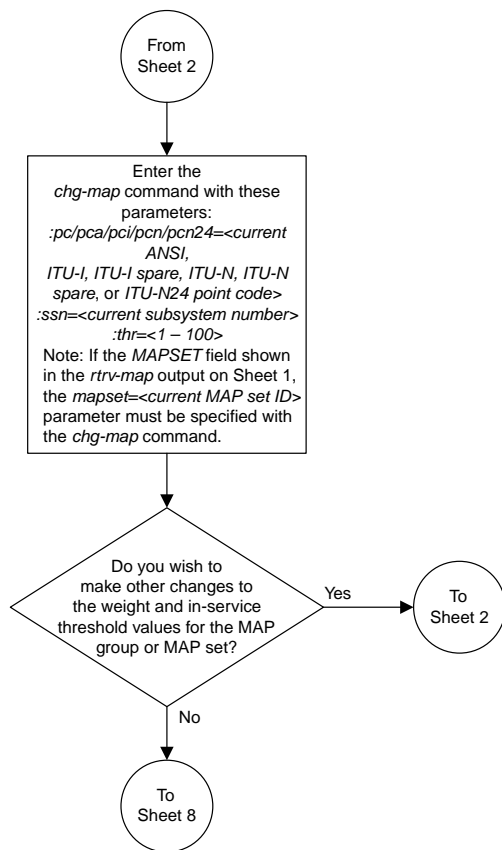


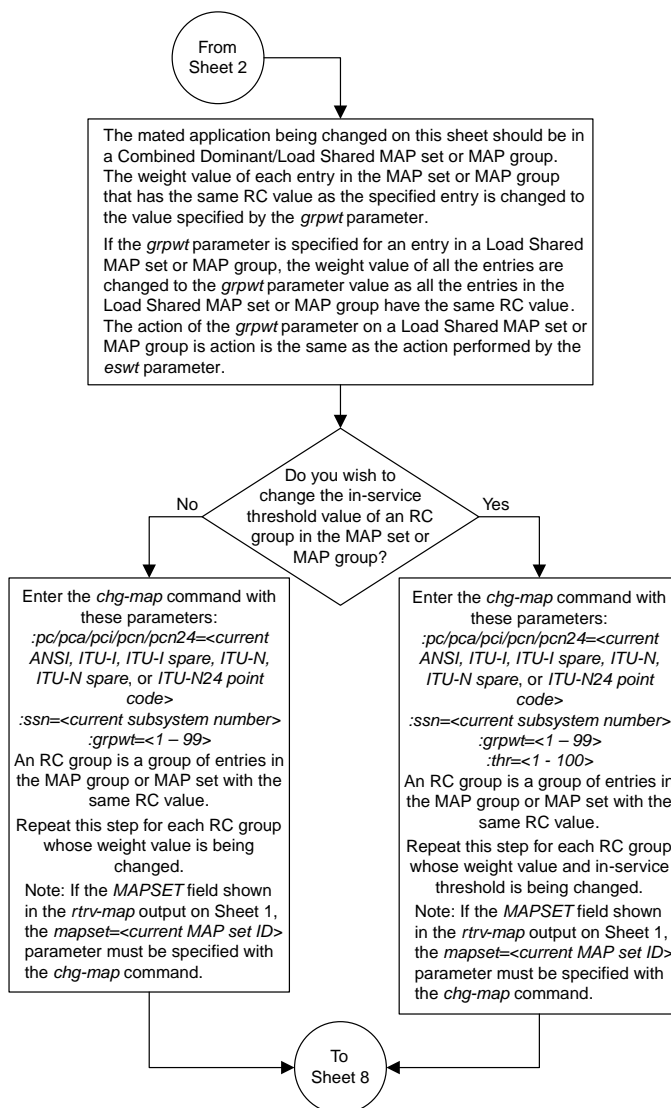


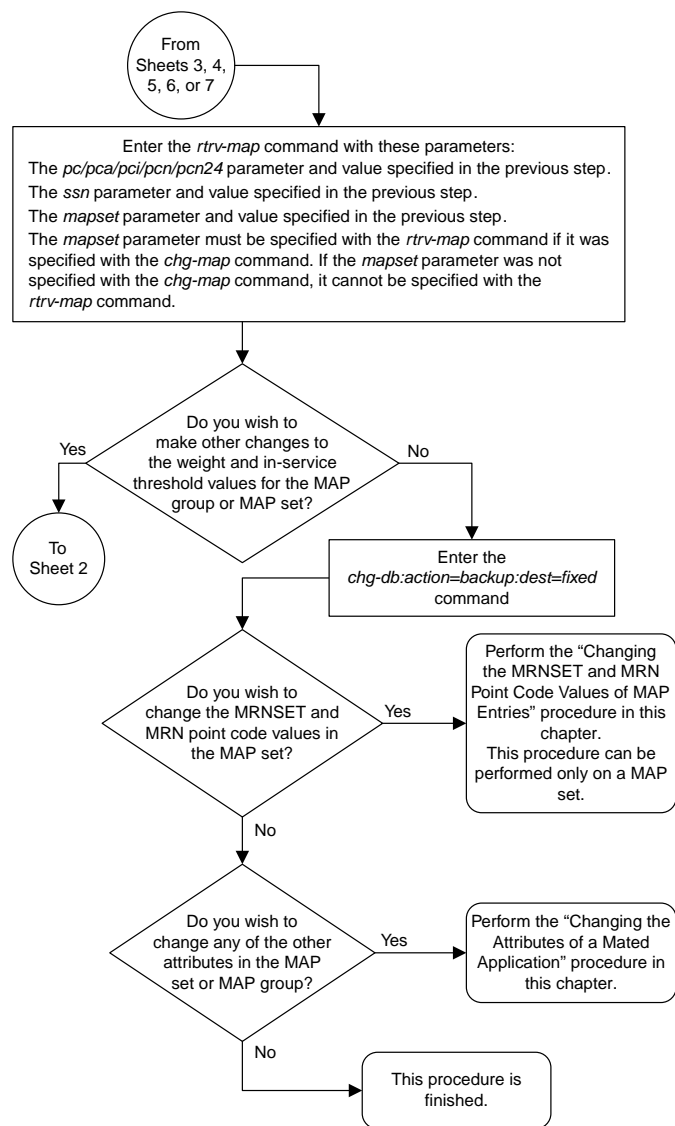




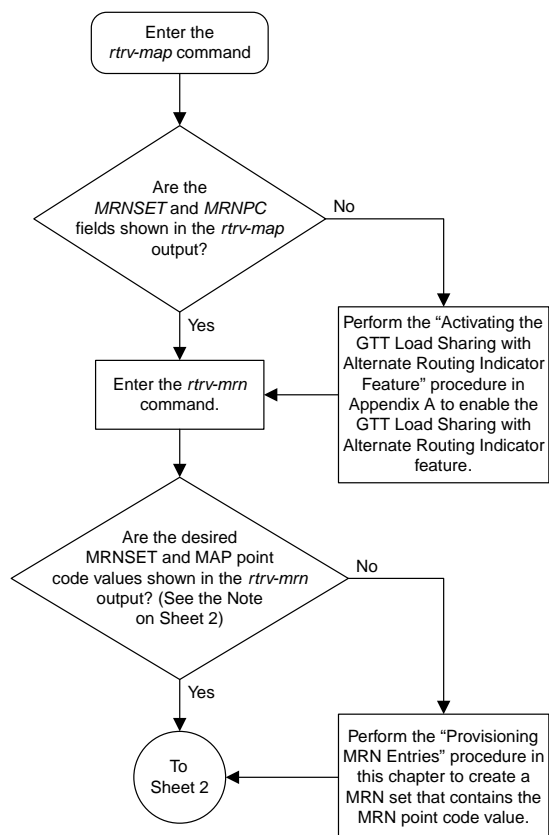


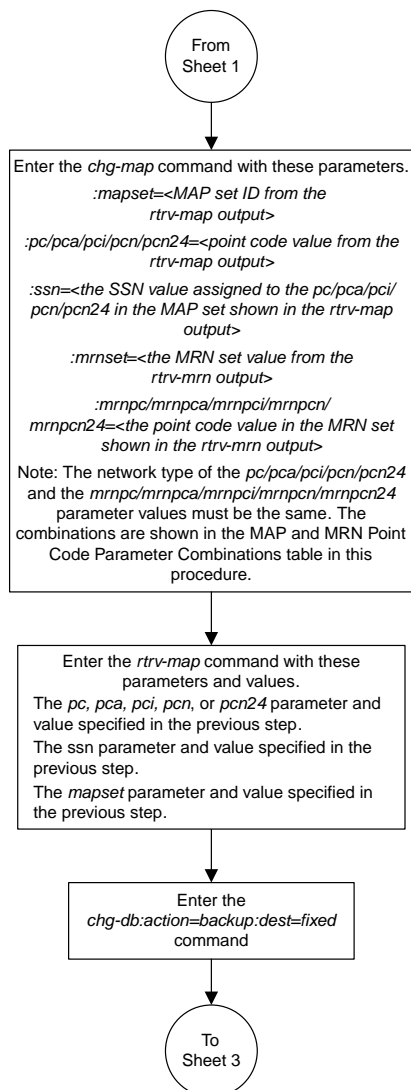




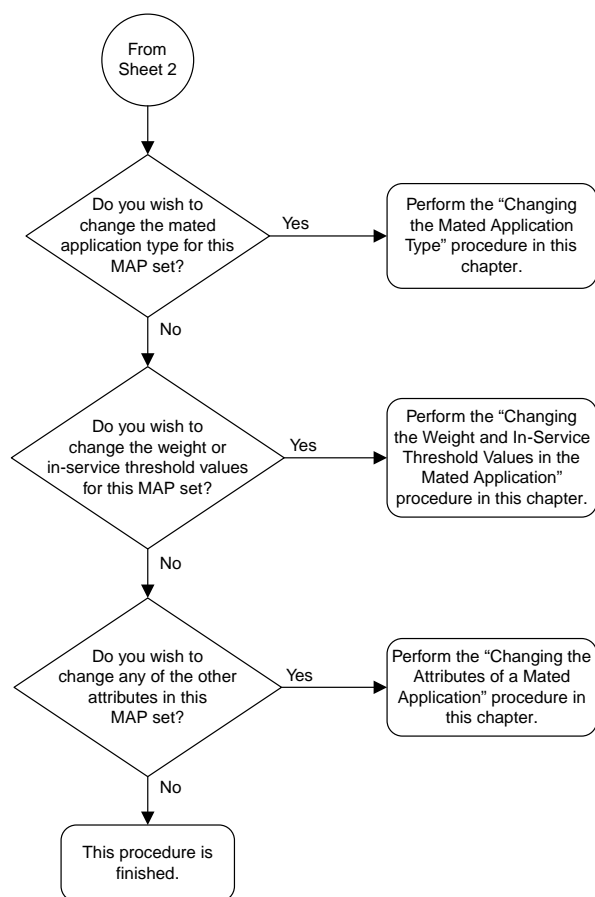


## Changing the MRNSET and MRN Point Code Values of MAP Entries



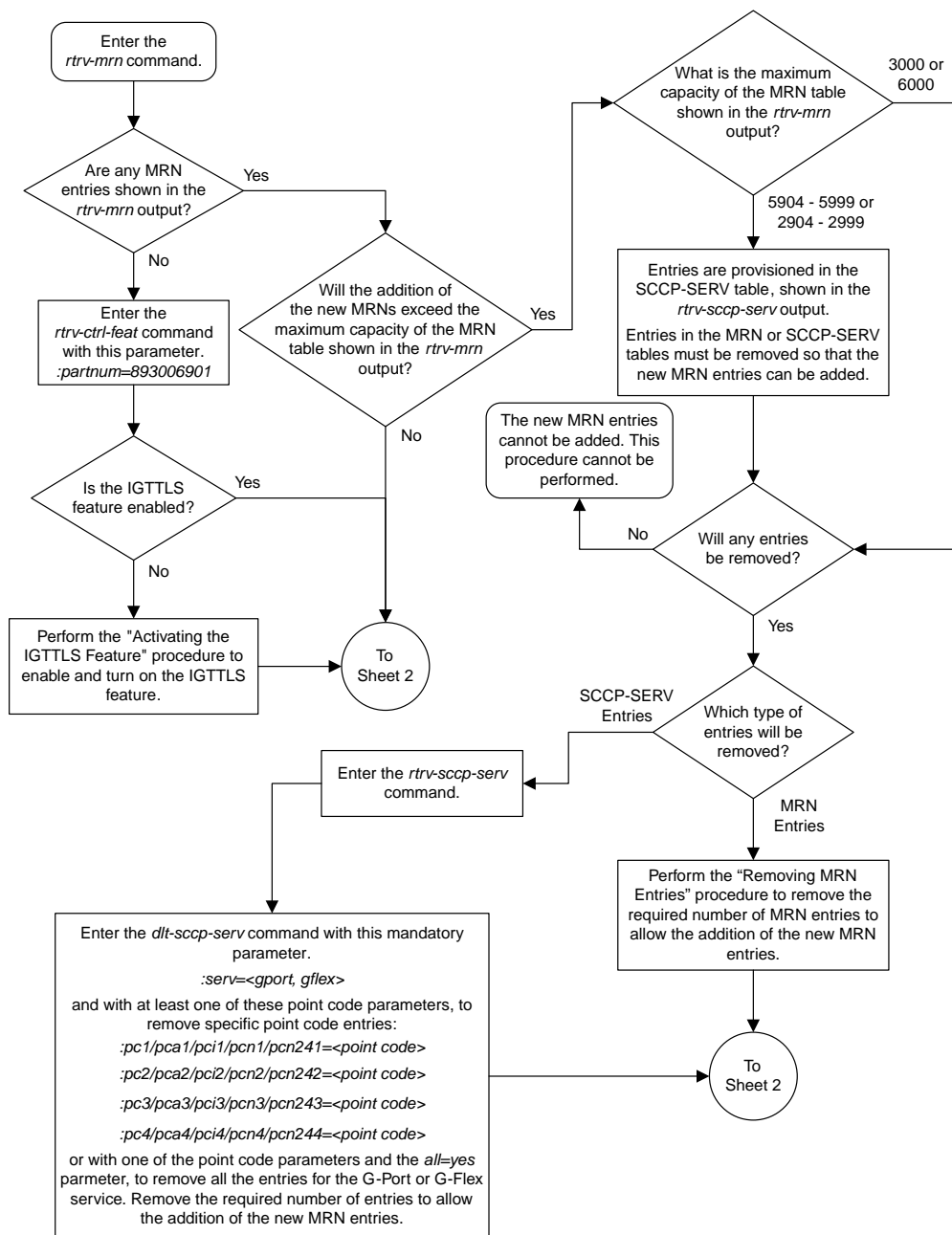


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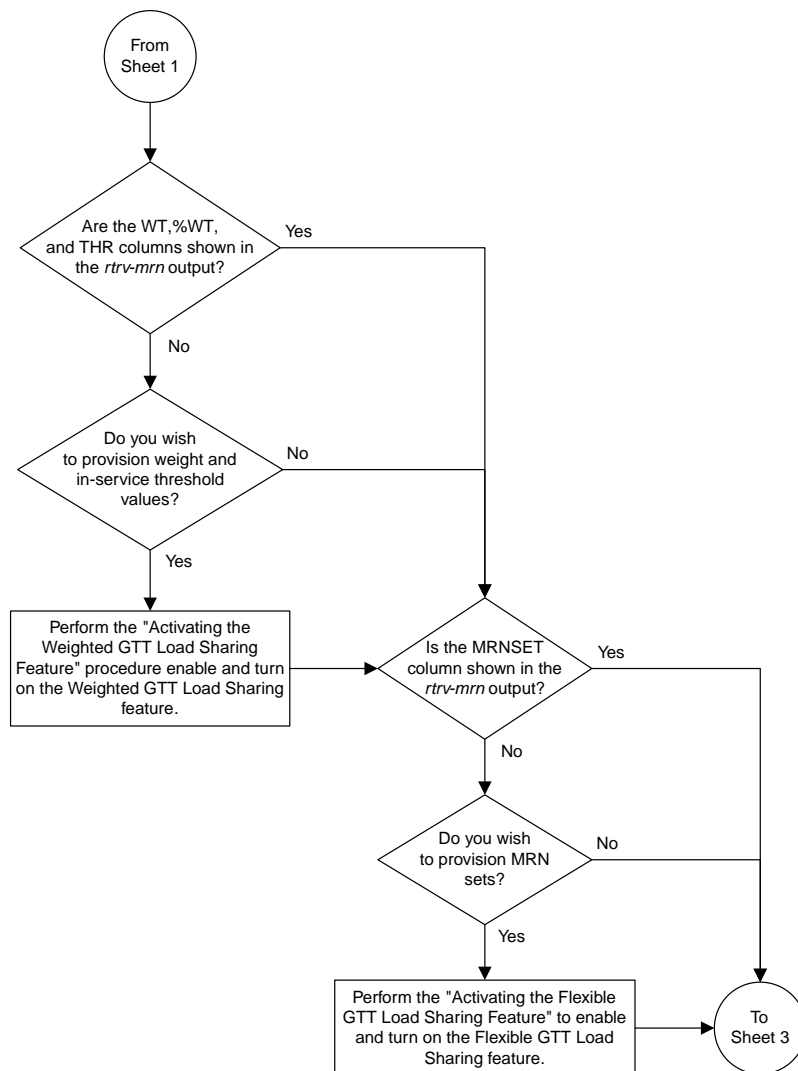
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## Provisioning MRN Entries

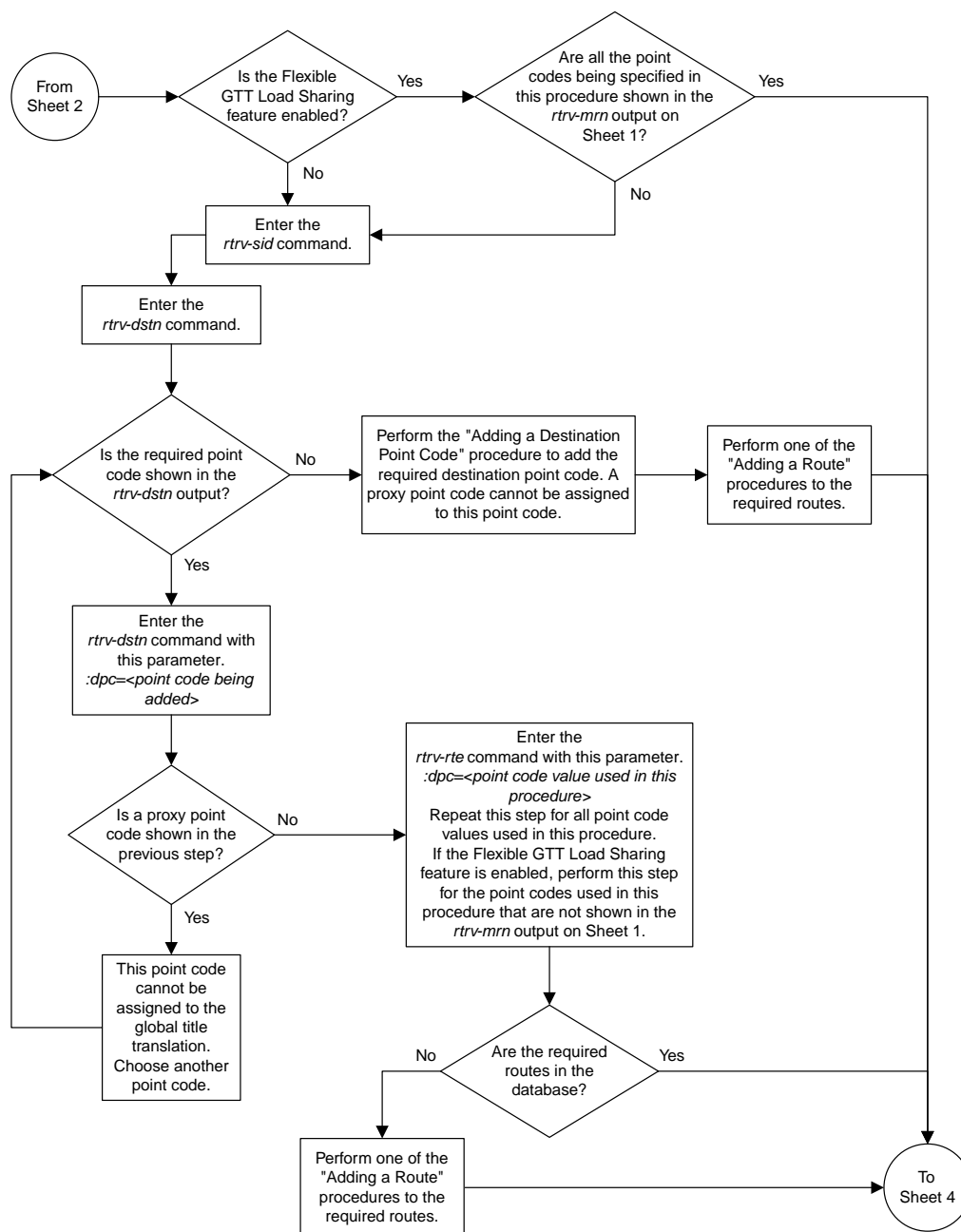


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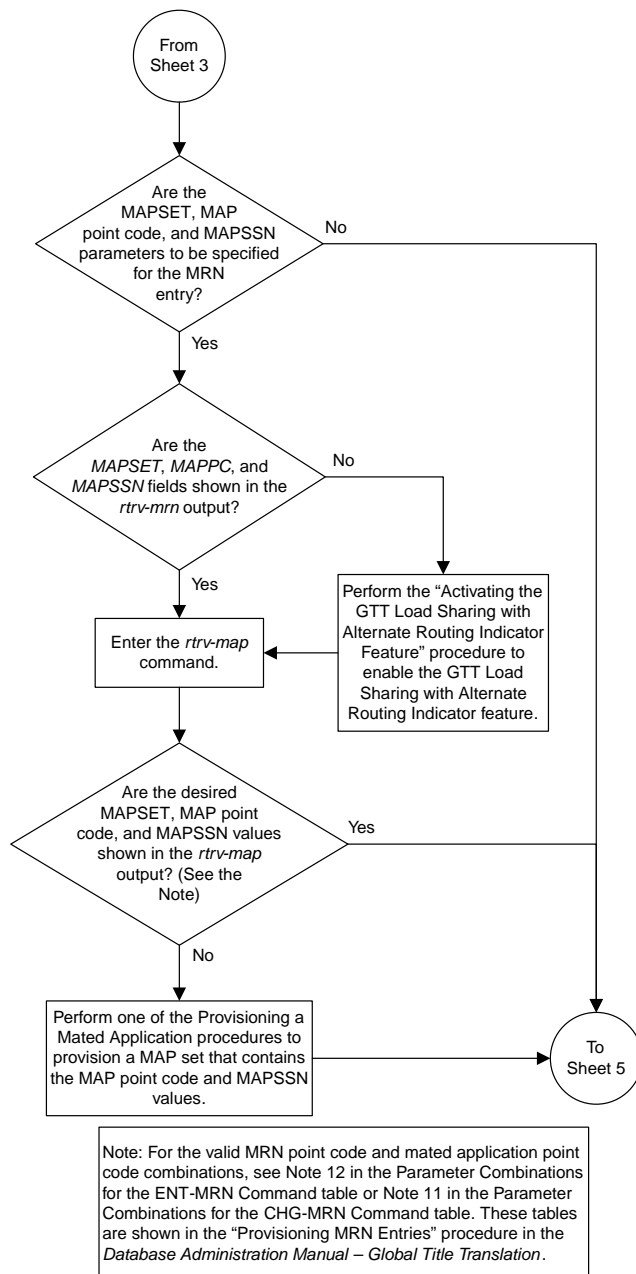


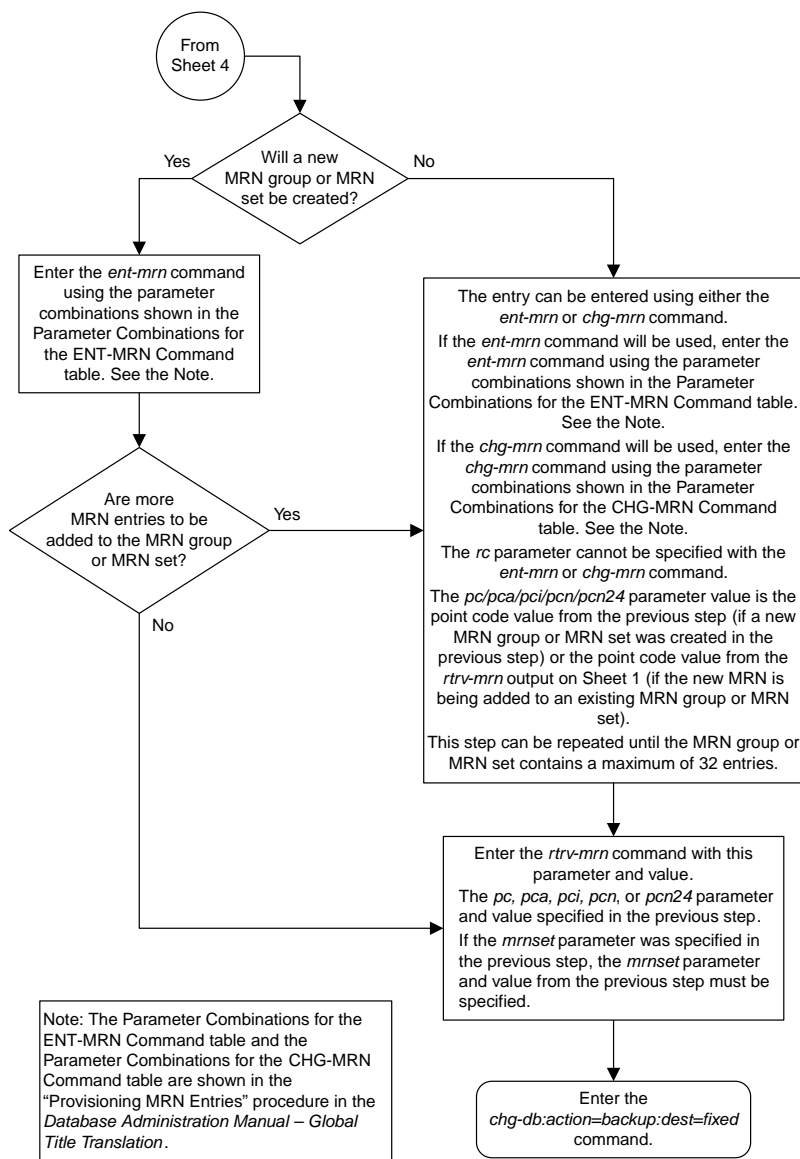


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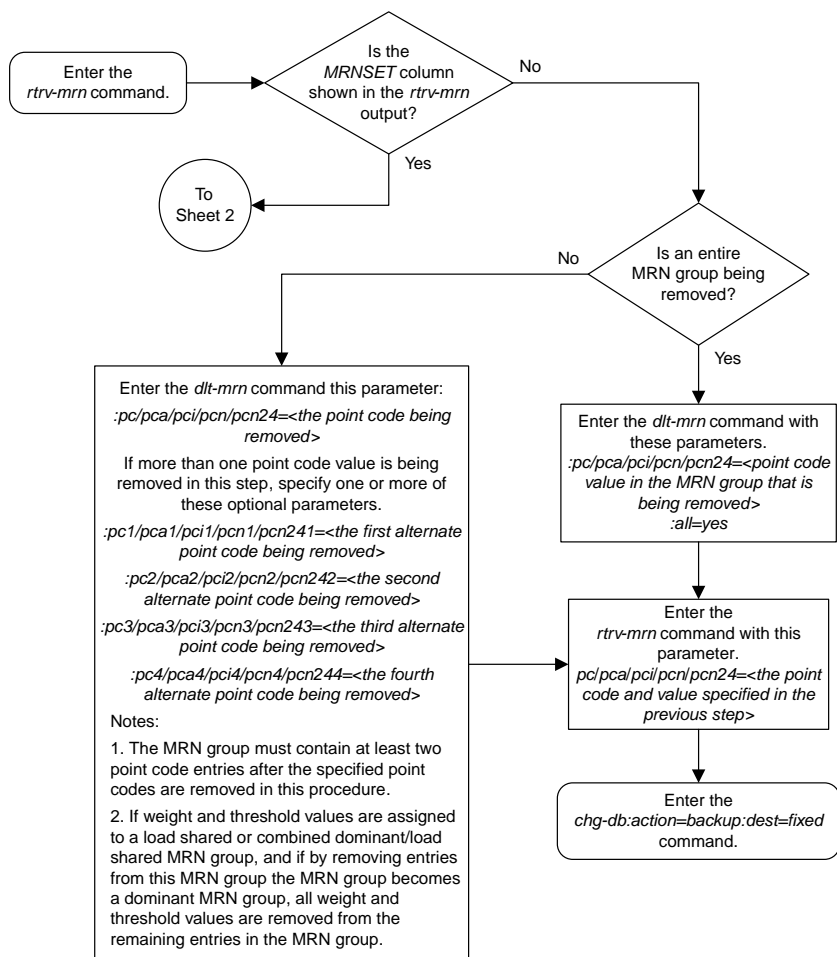


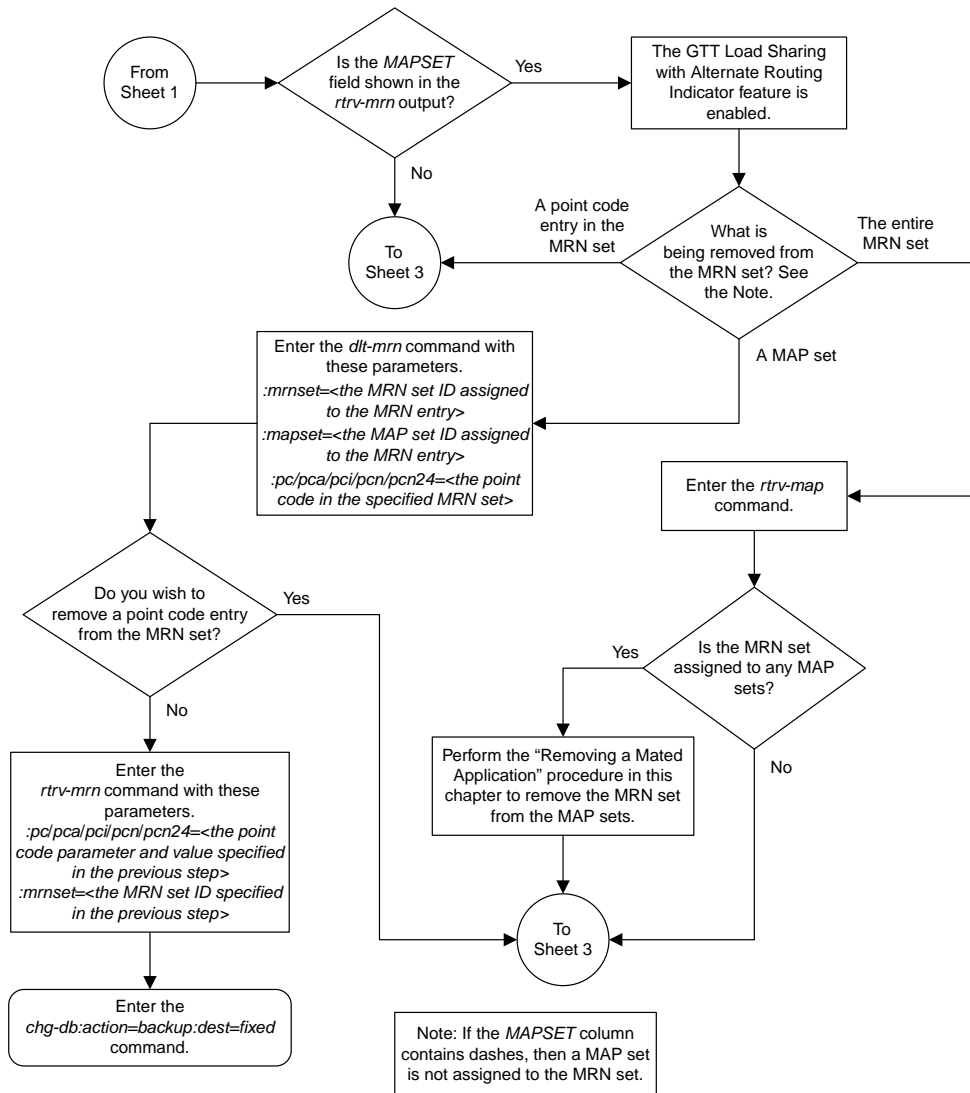
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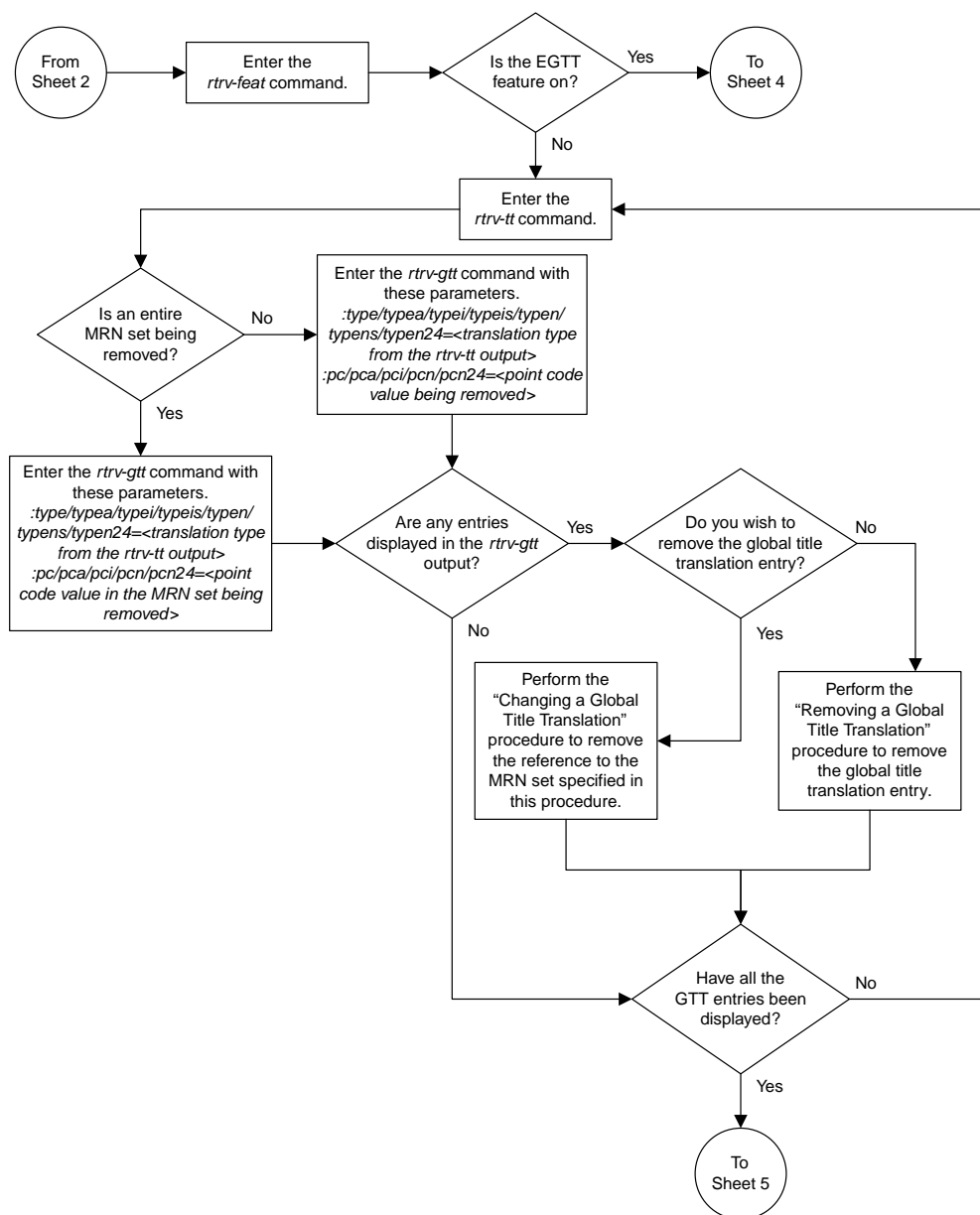




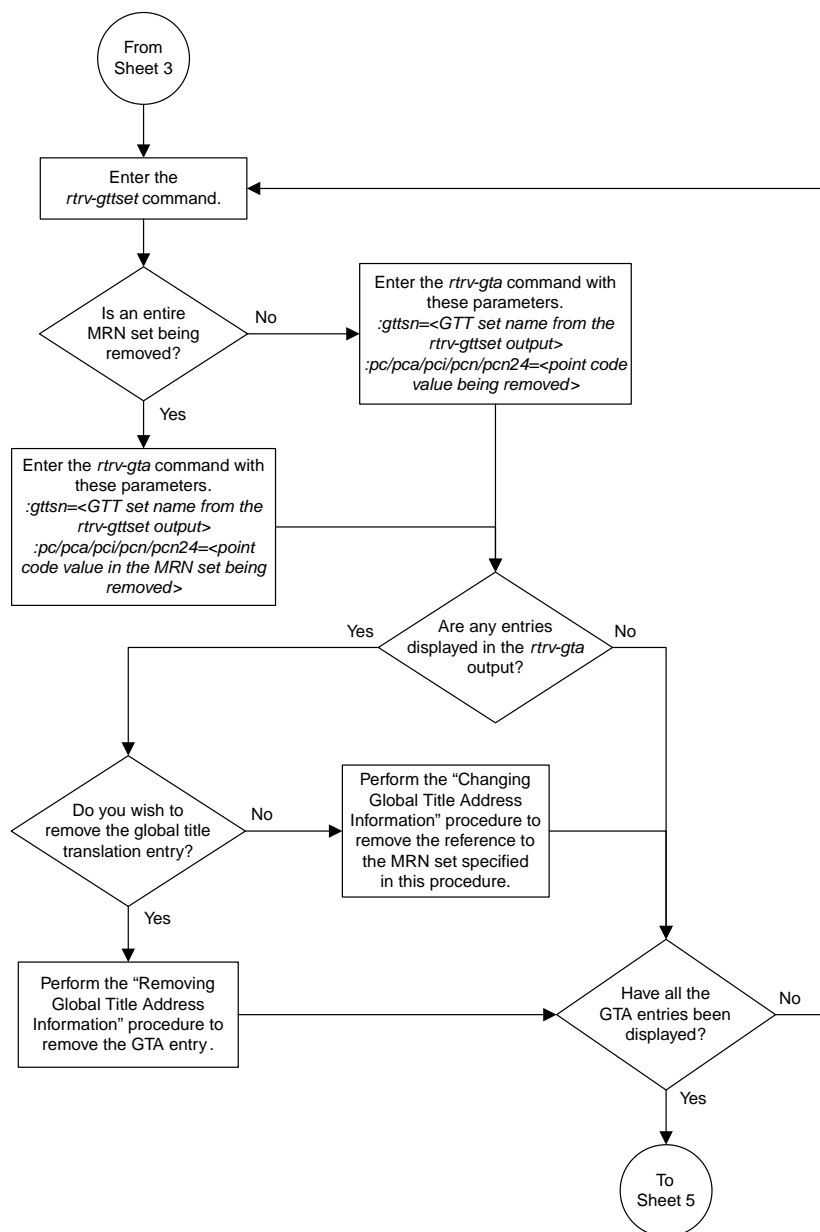
## Removing MRN Entries





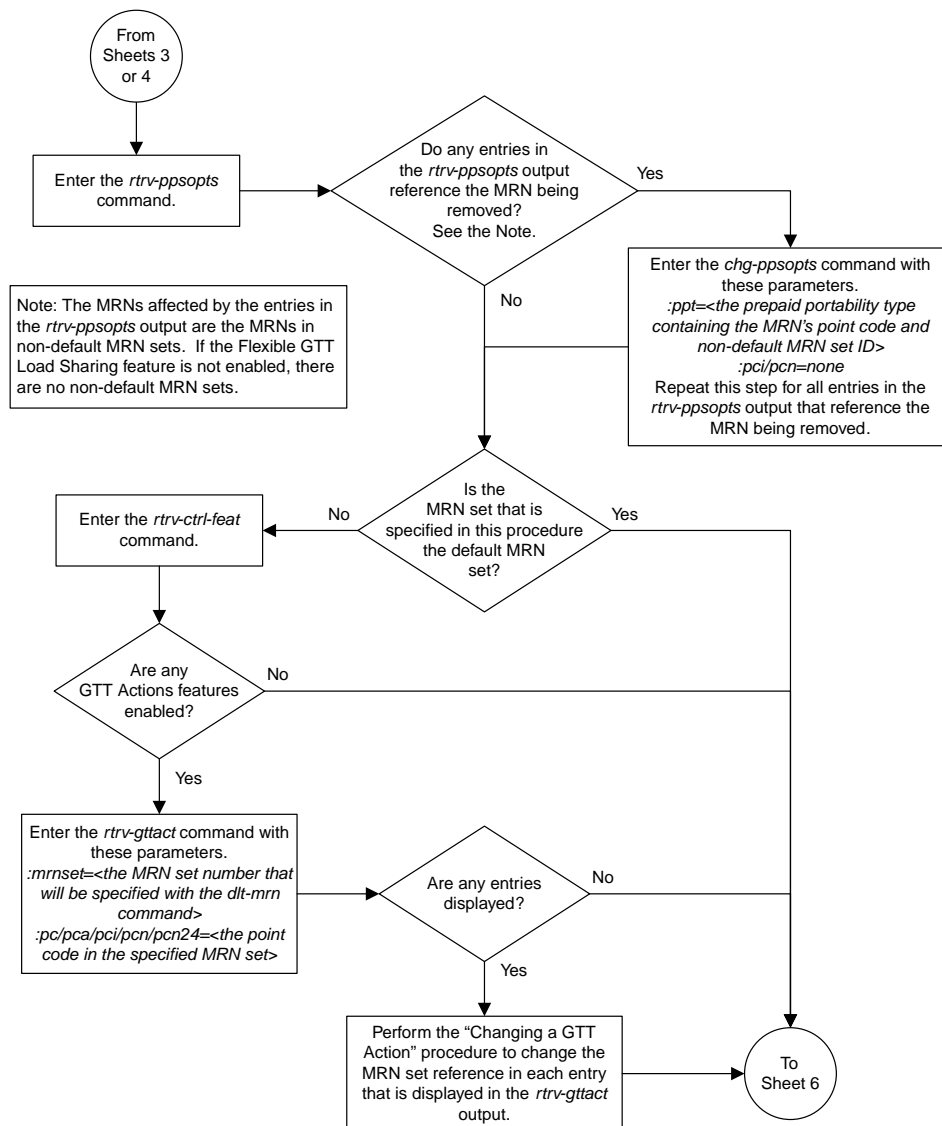


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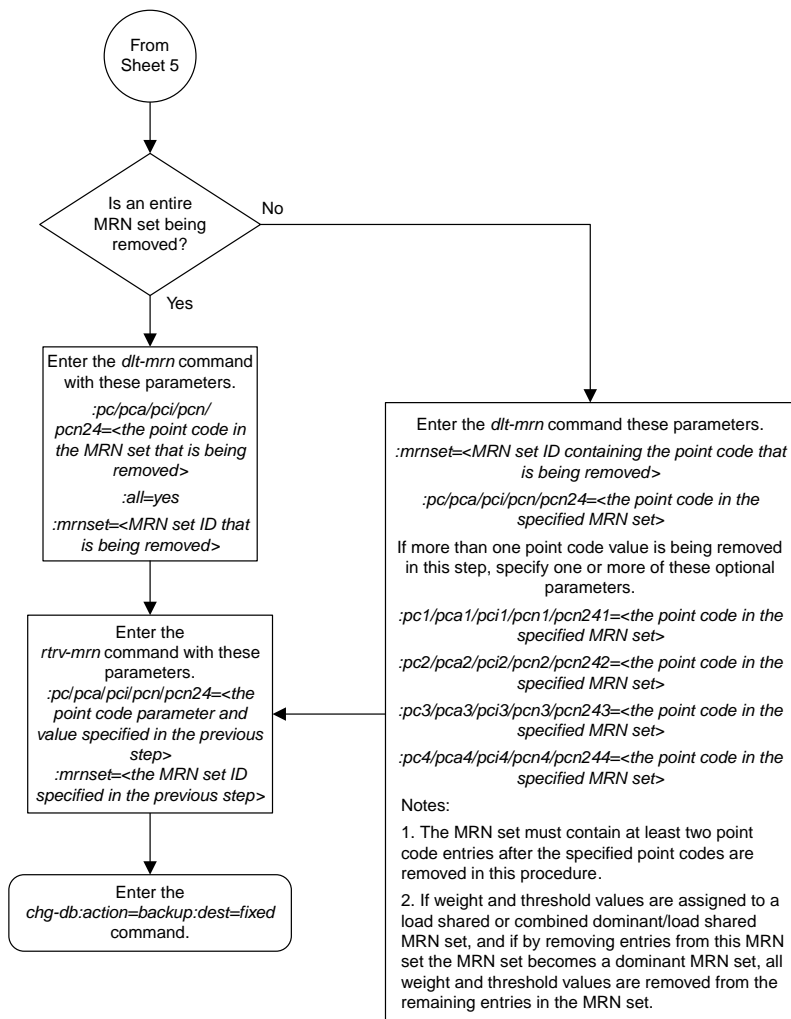


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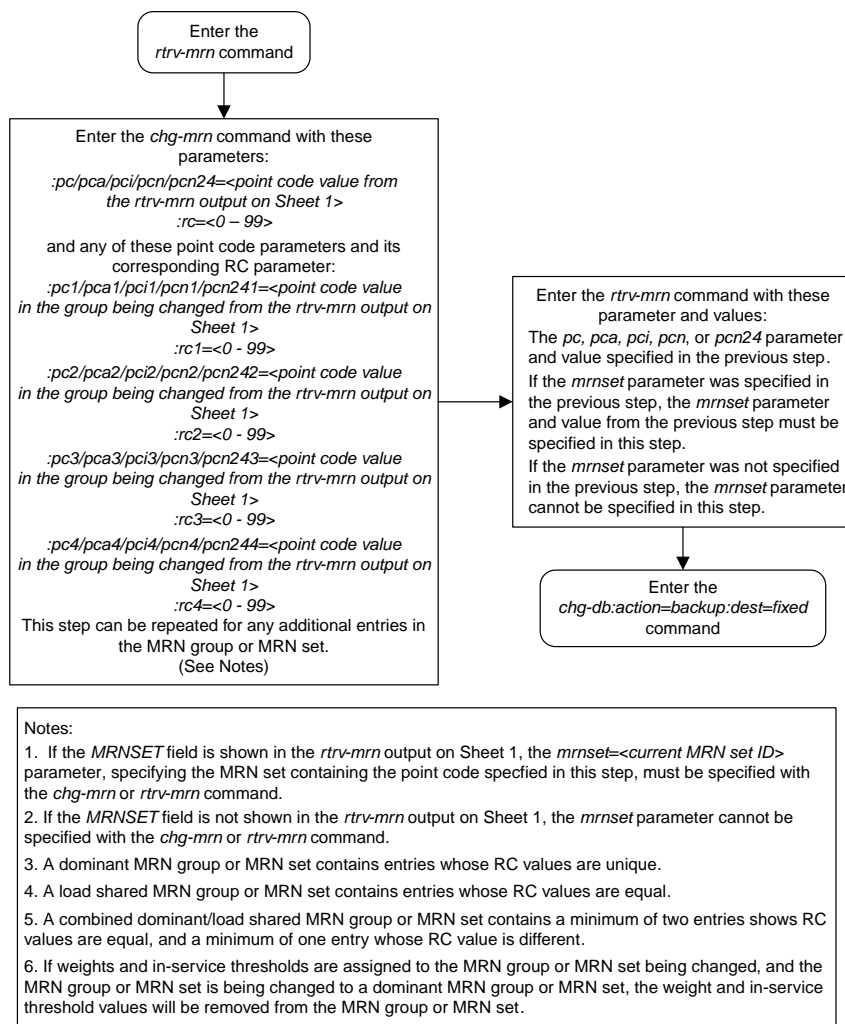




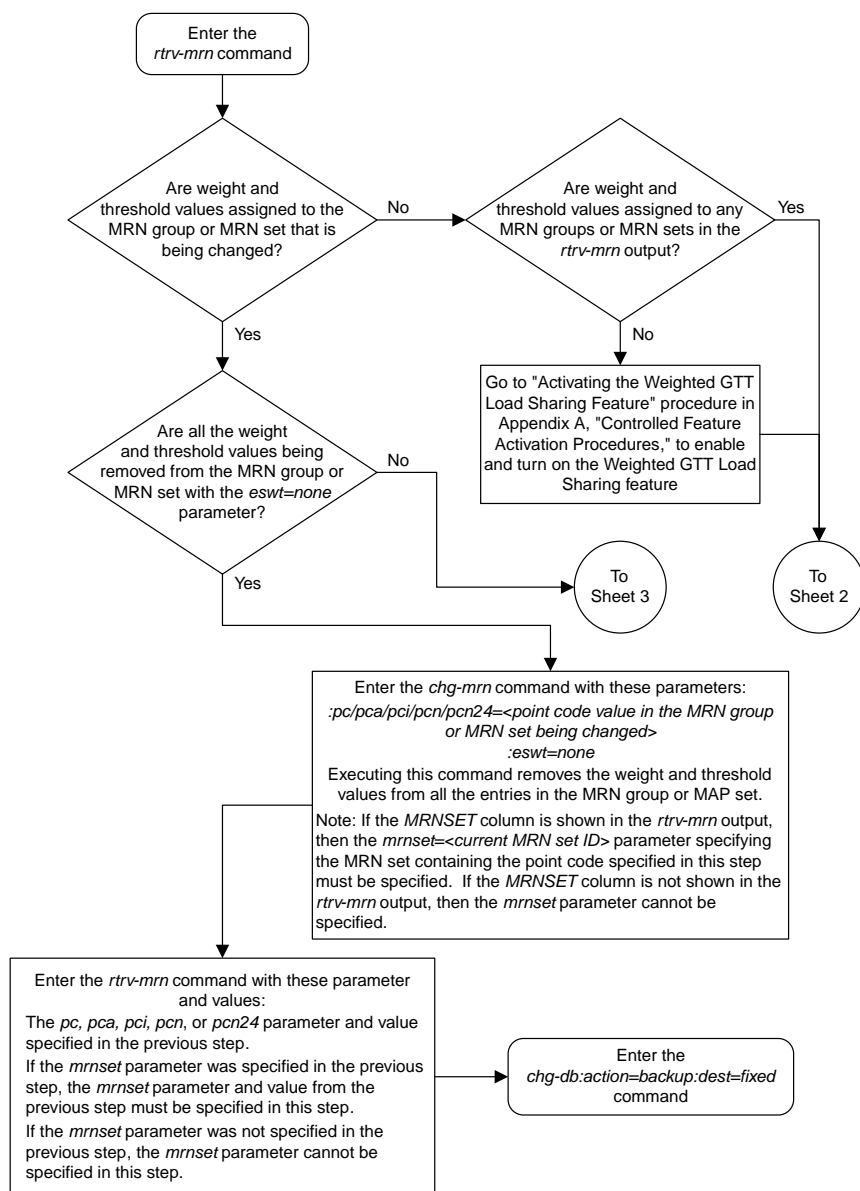
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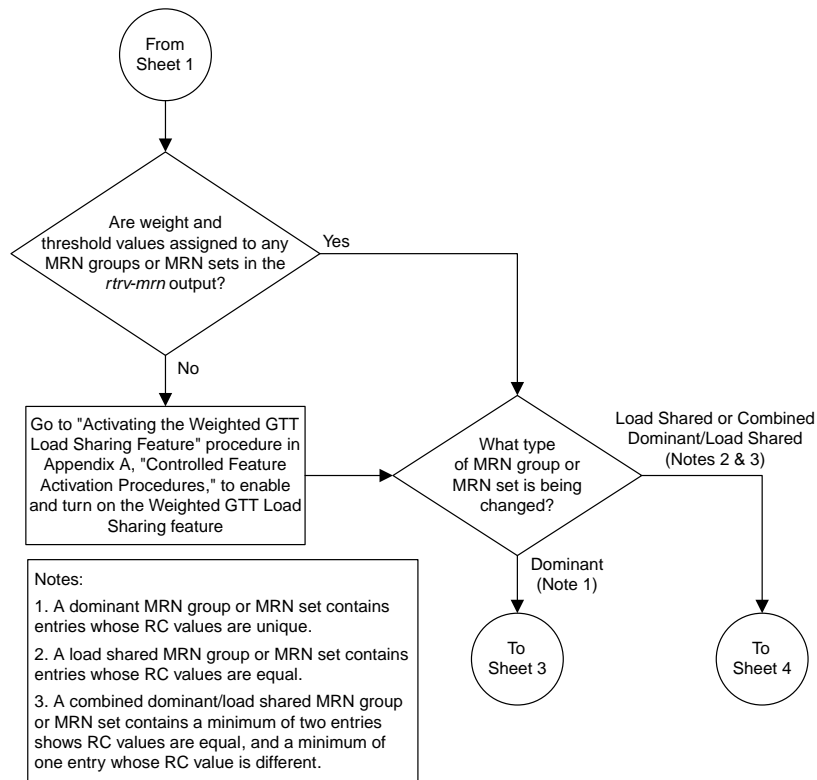
## Changing the Relative Cost Values of MRN Entries

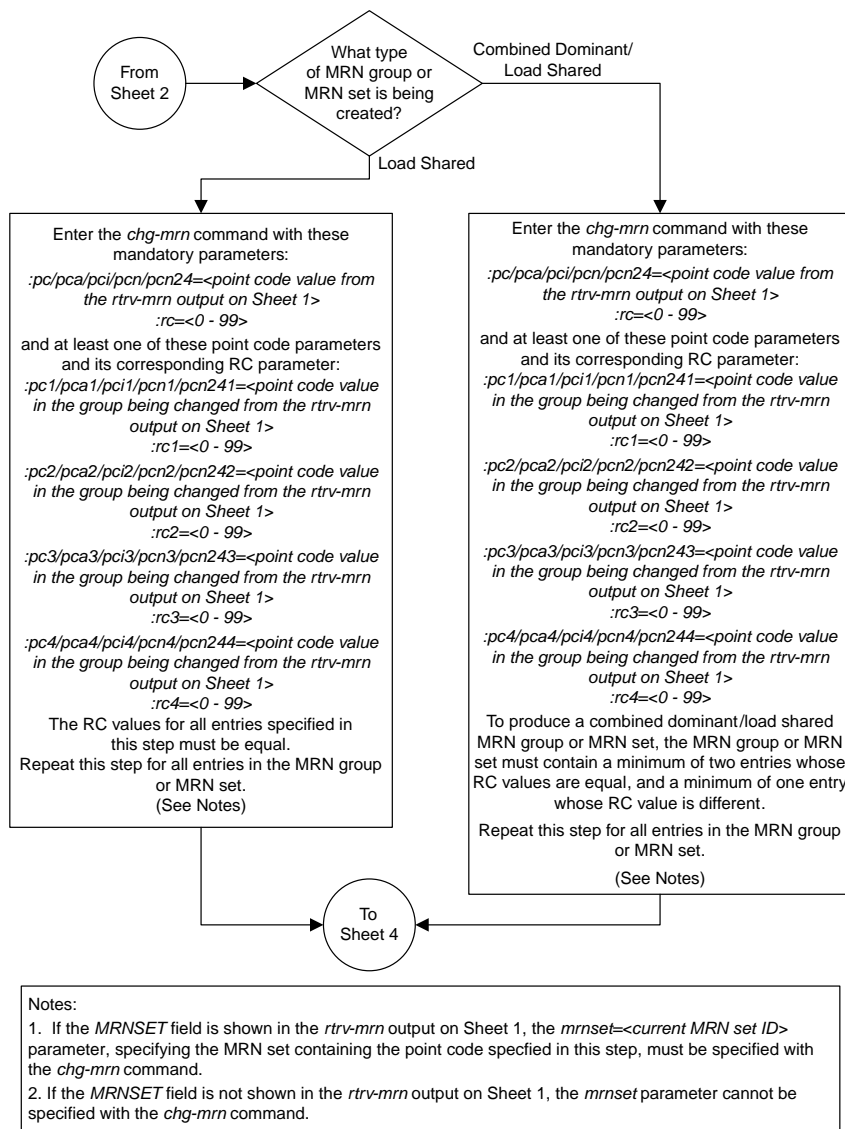


## Changing MRN Entries with the ESWT Parameter

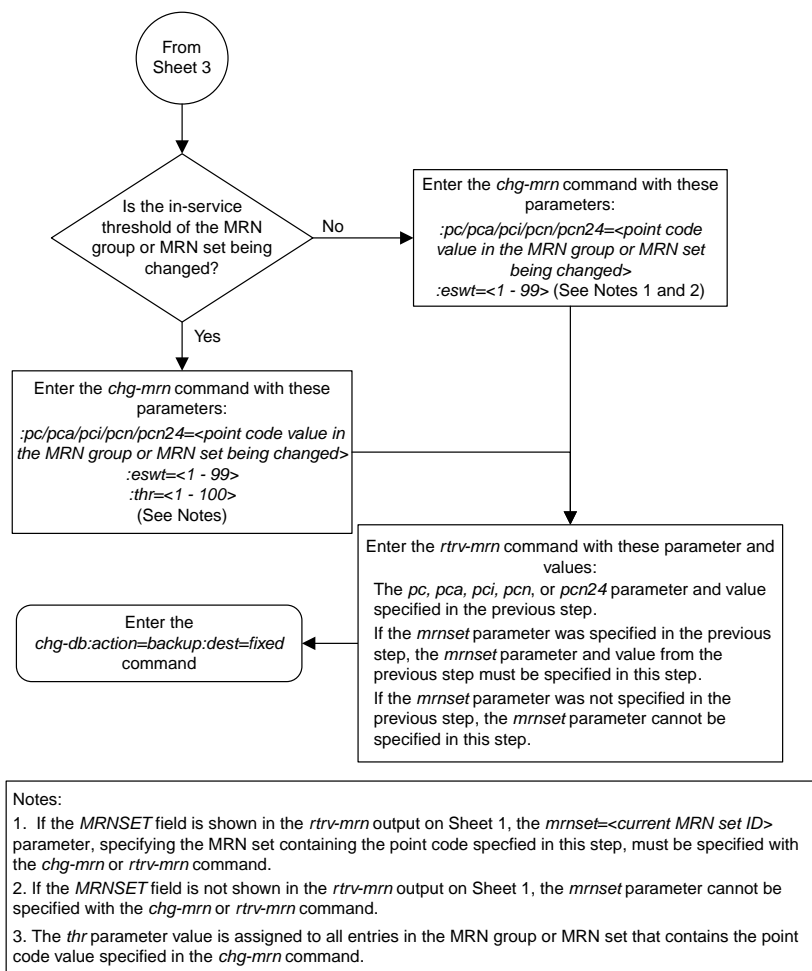


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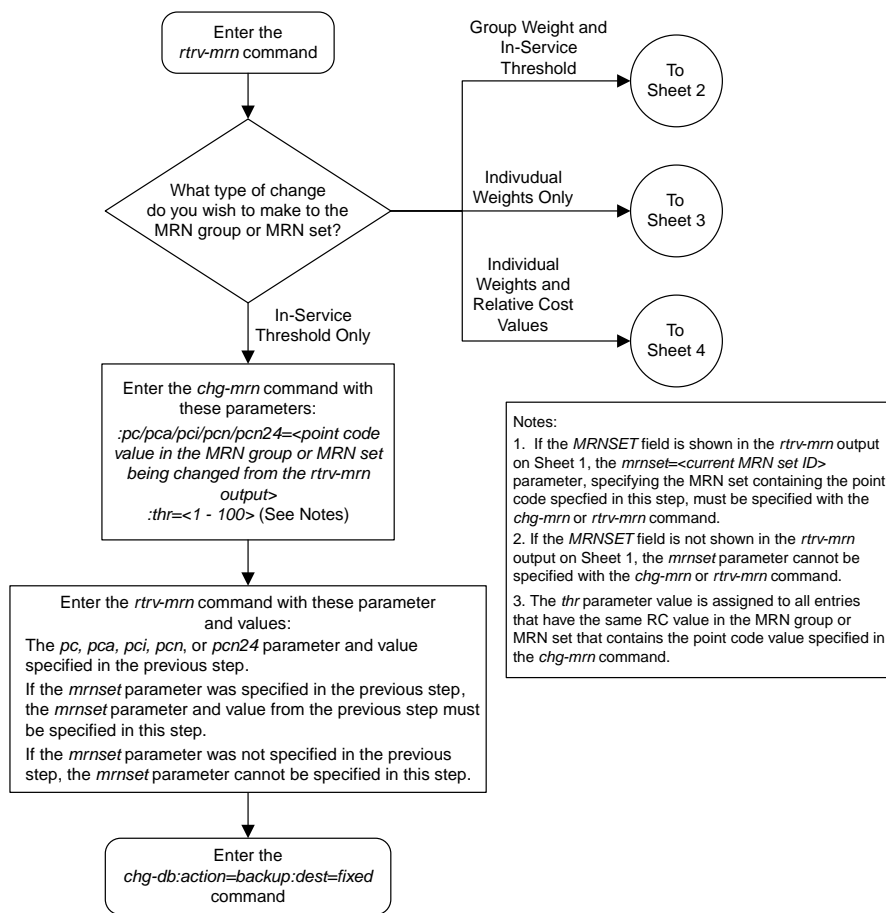




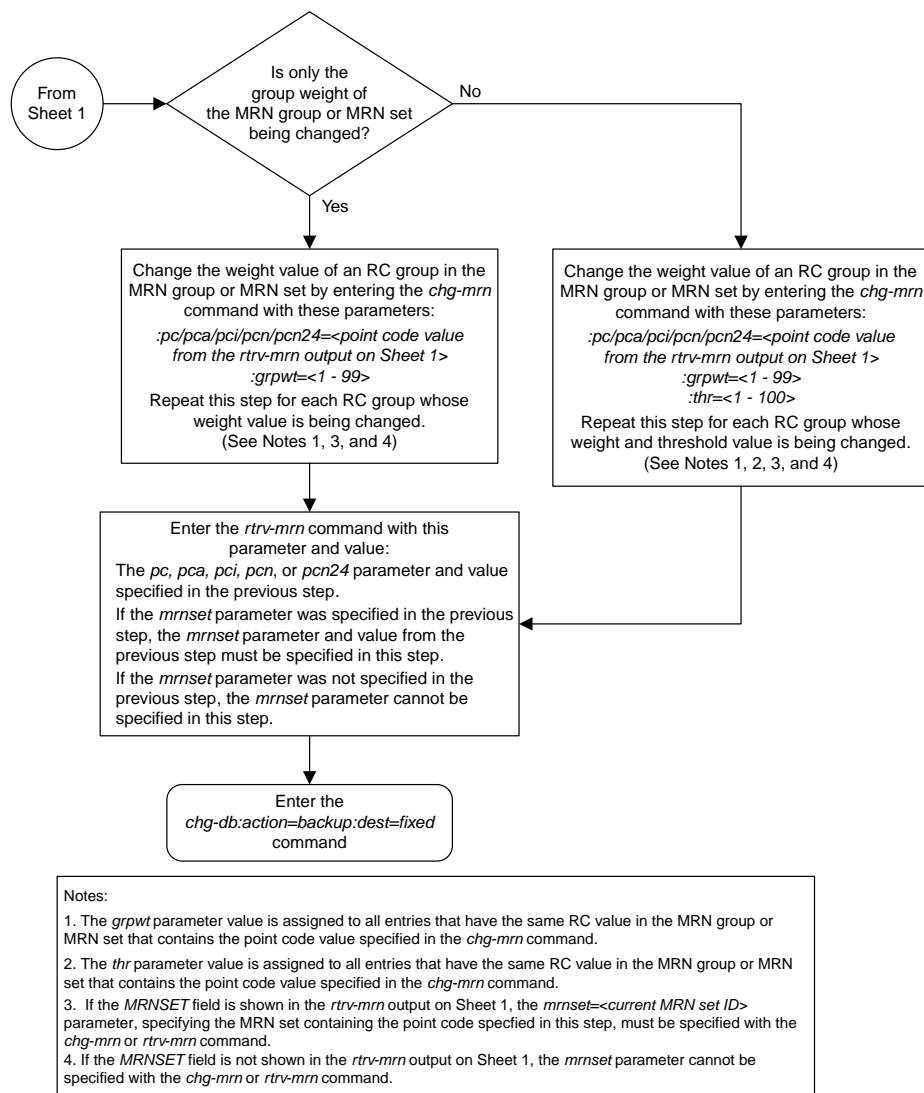
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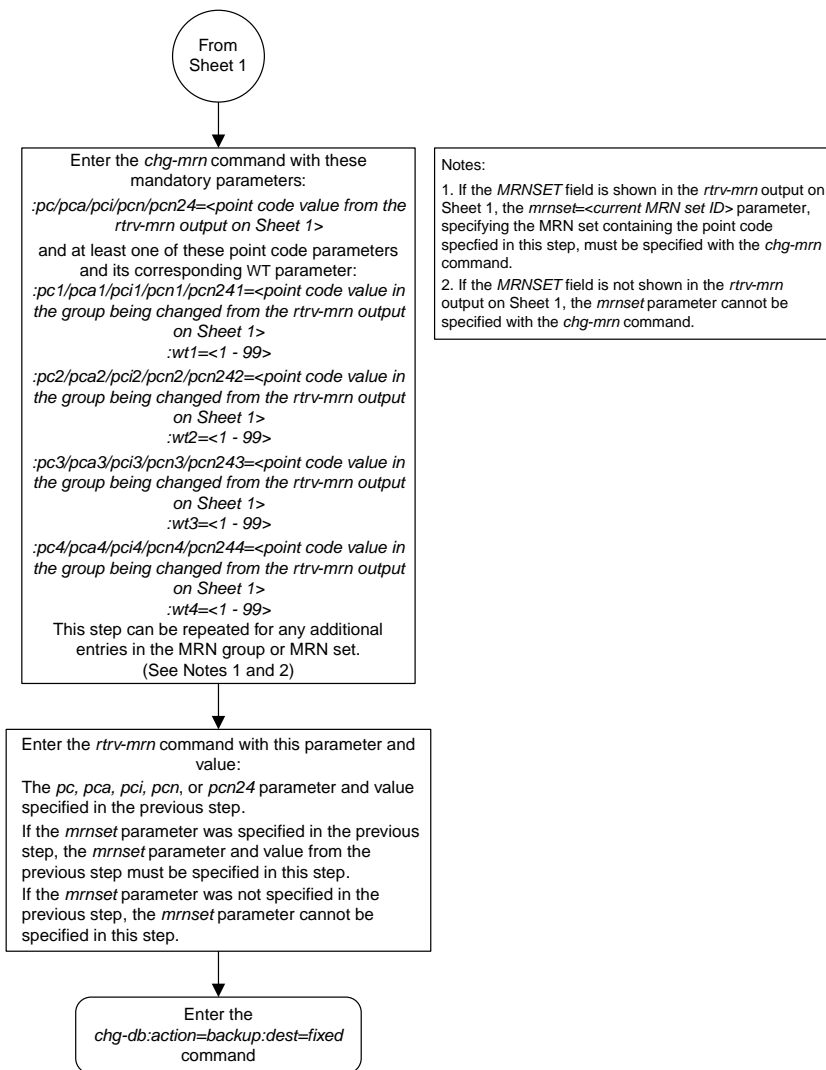


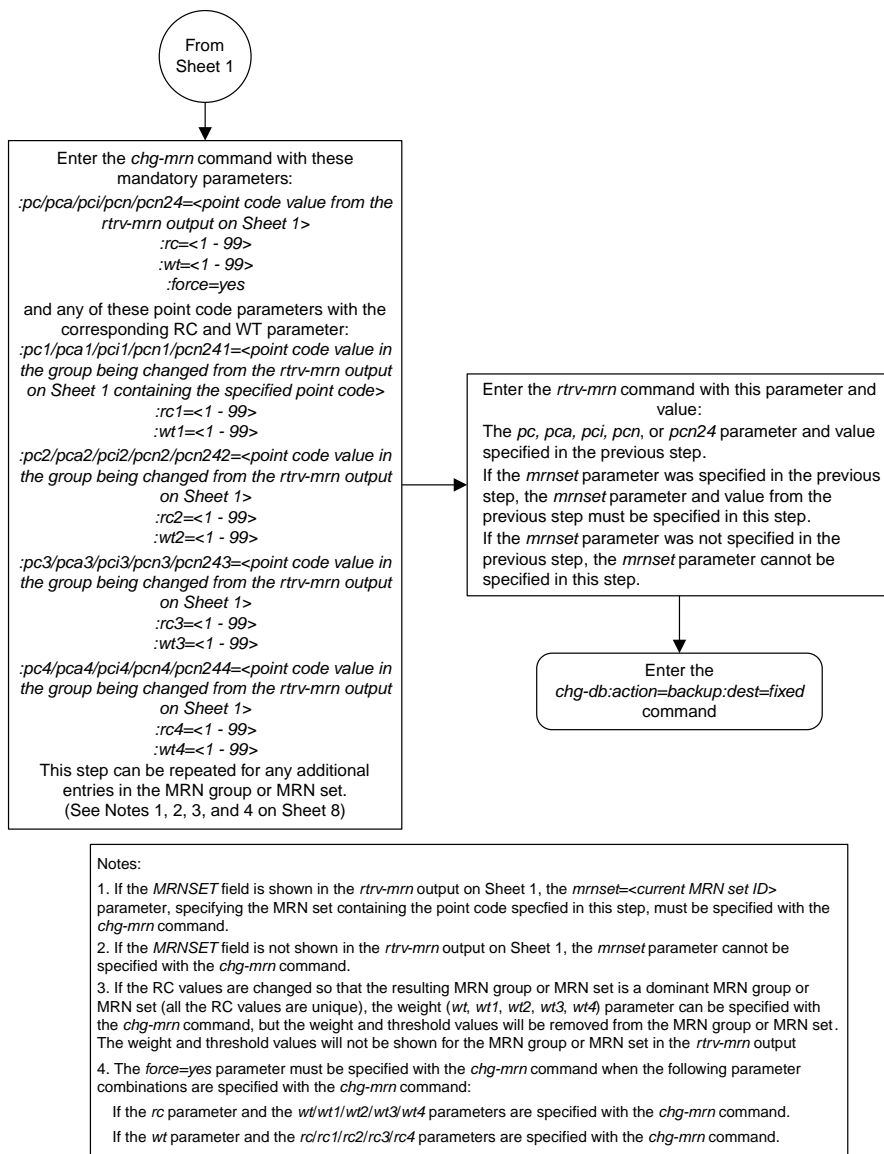
## Changing the Weight and Threshold Values of MRN Entries



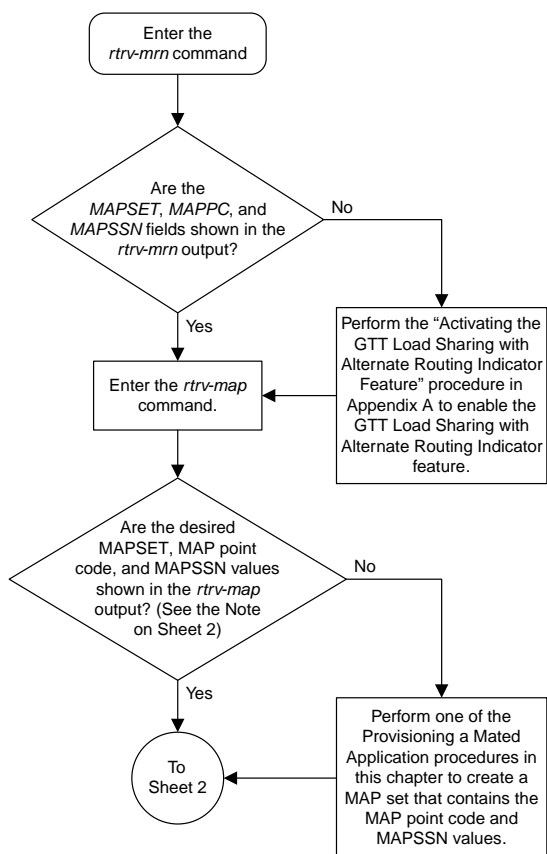


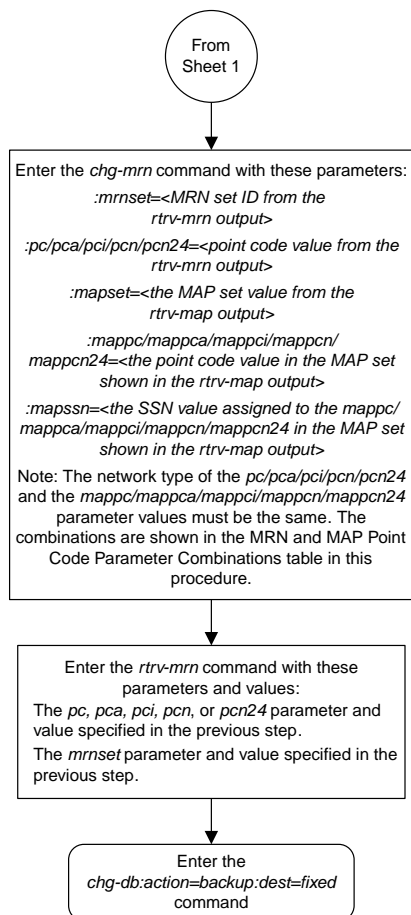




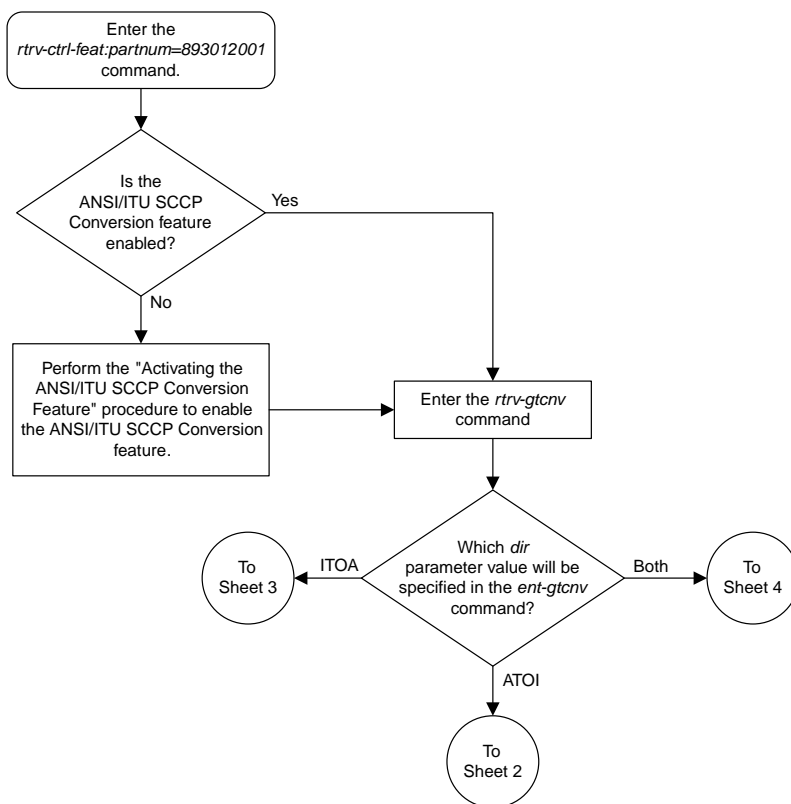


## Changing the MAPSET, MAP Point Code, and MAP SSN Values of MRN Entries

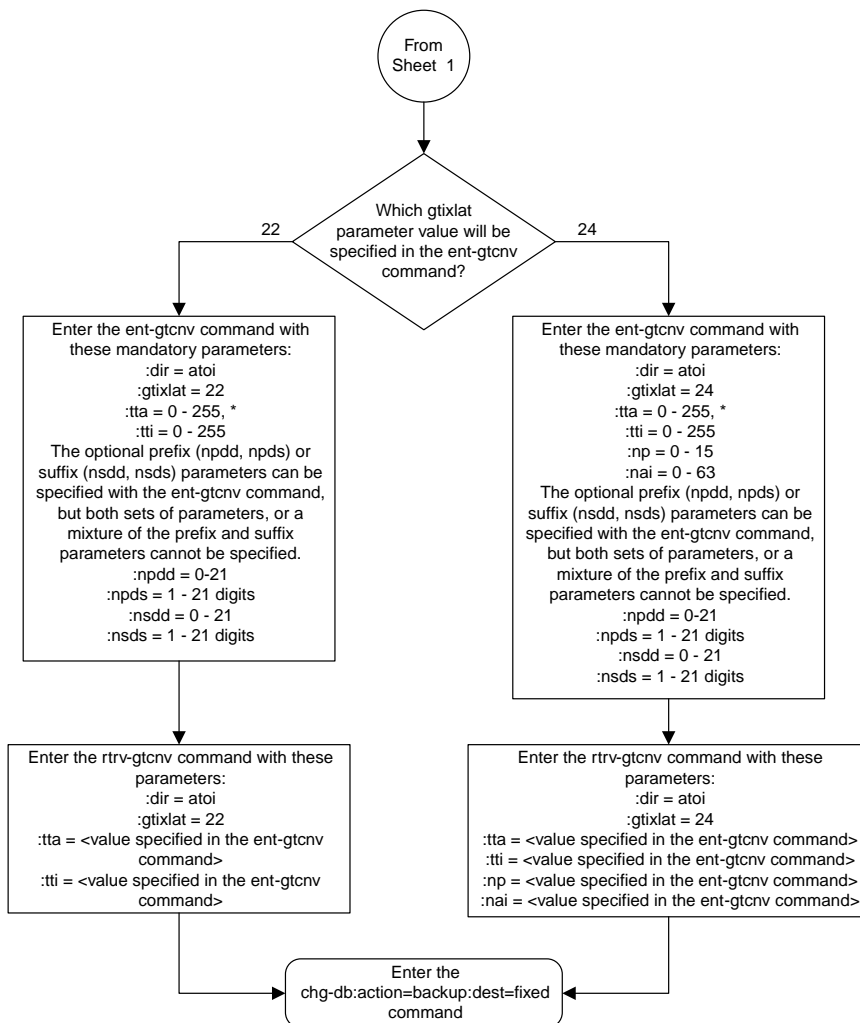


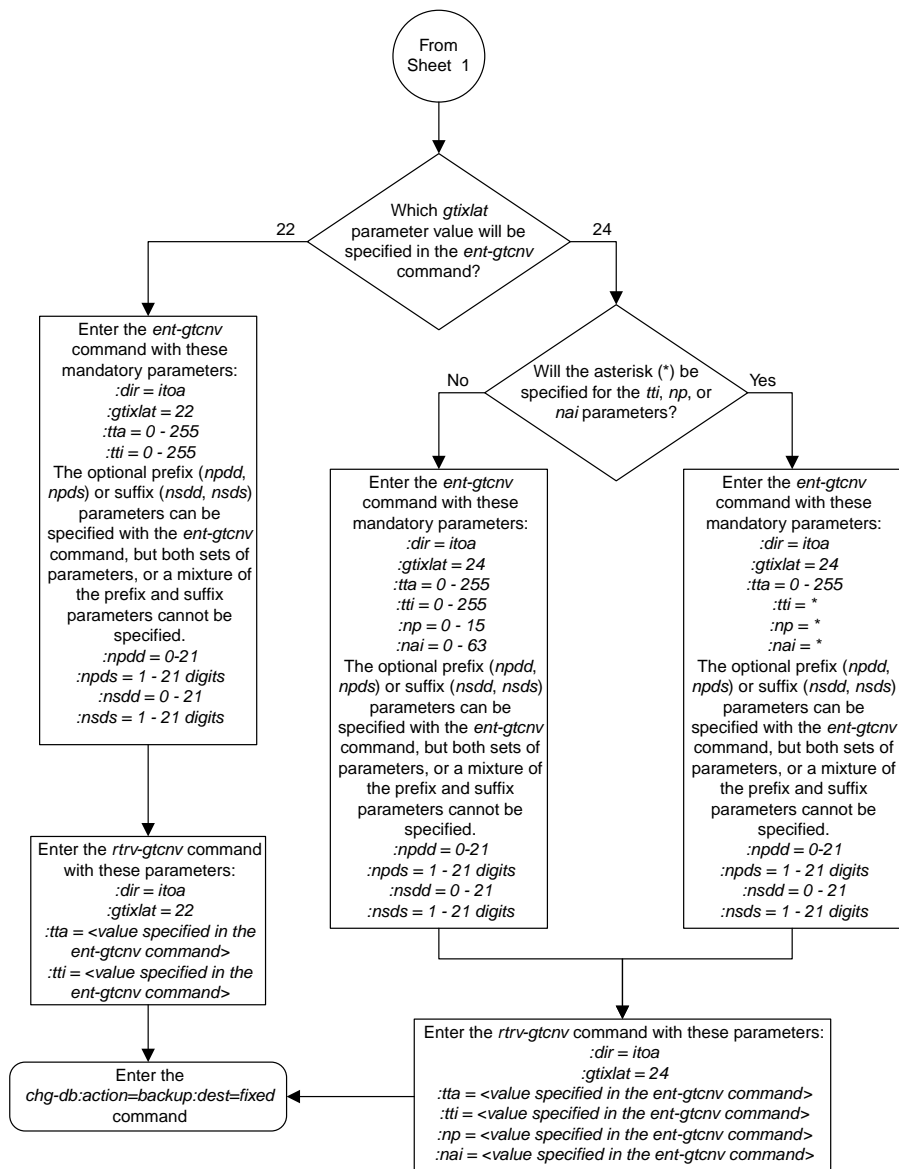


## Adding a GT Conversion Table Entry

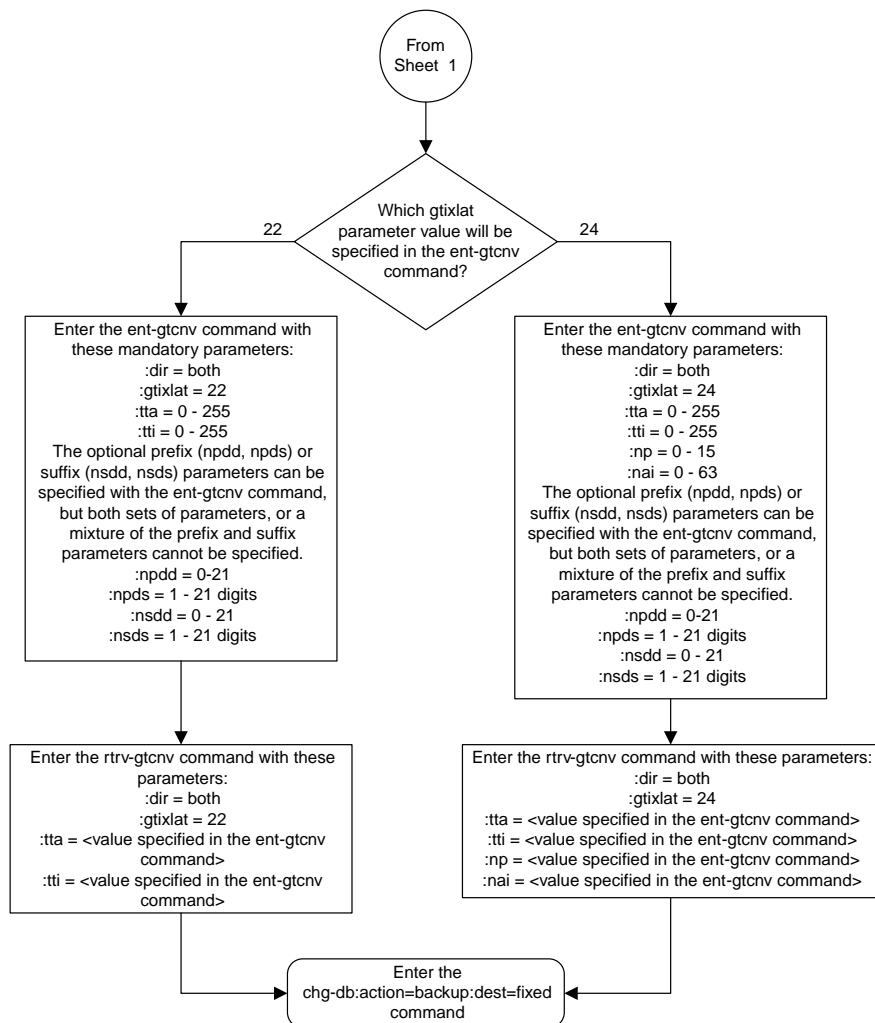


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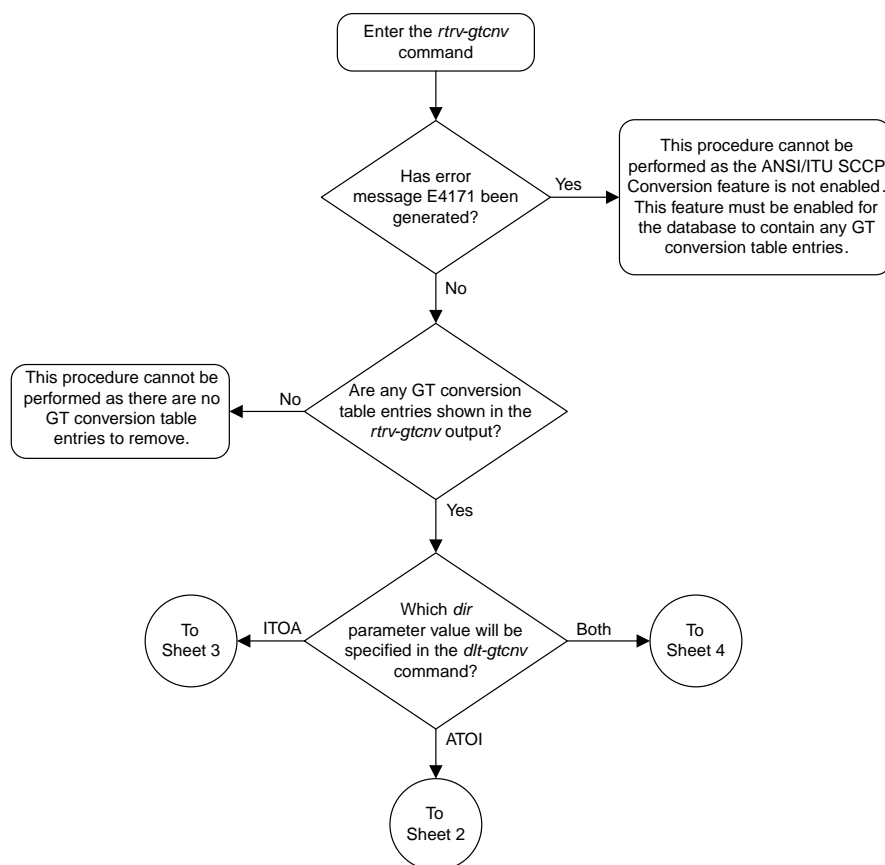


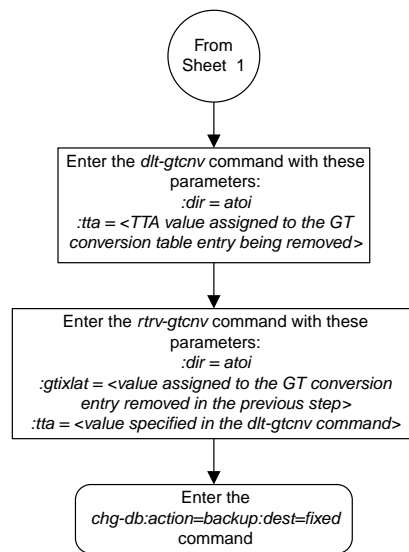


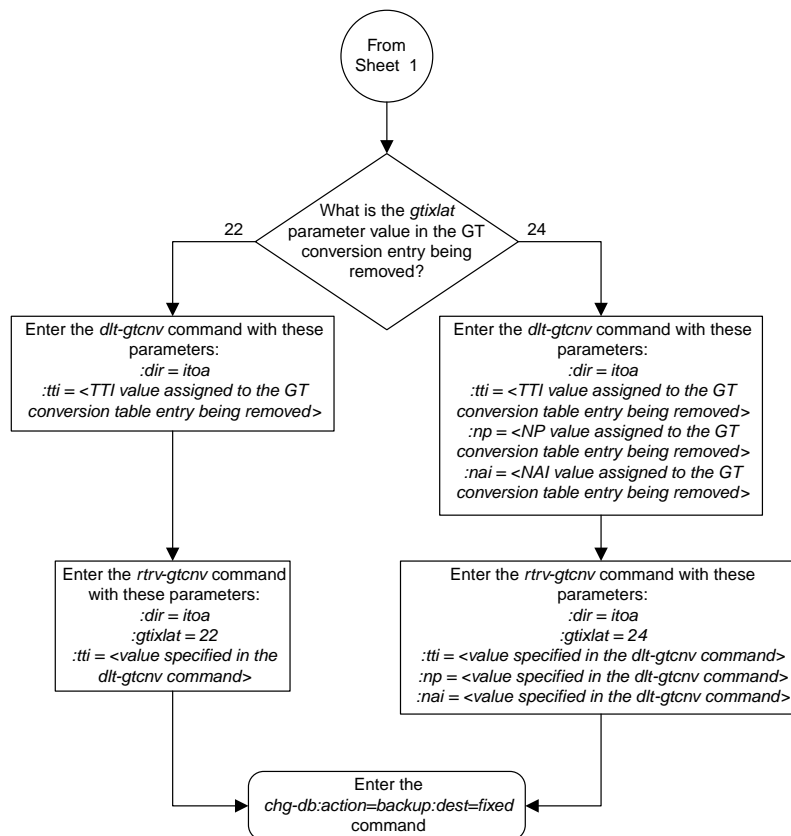


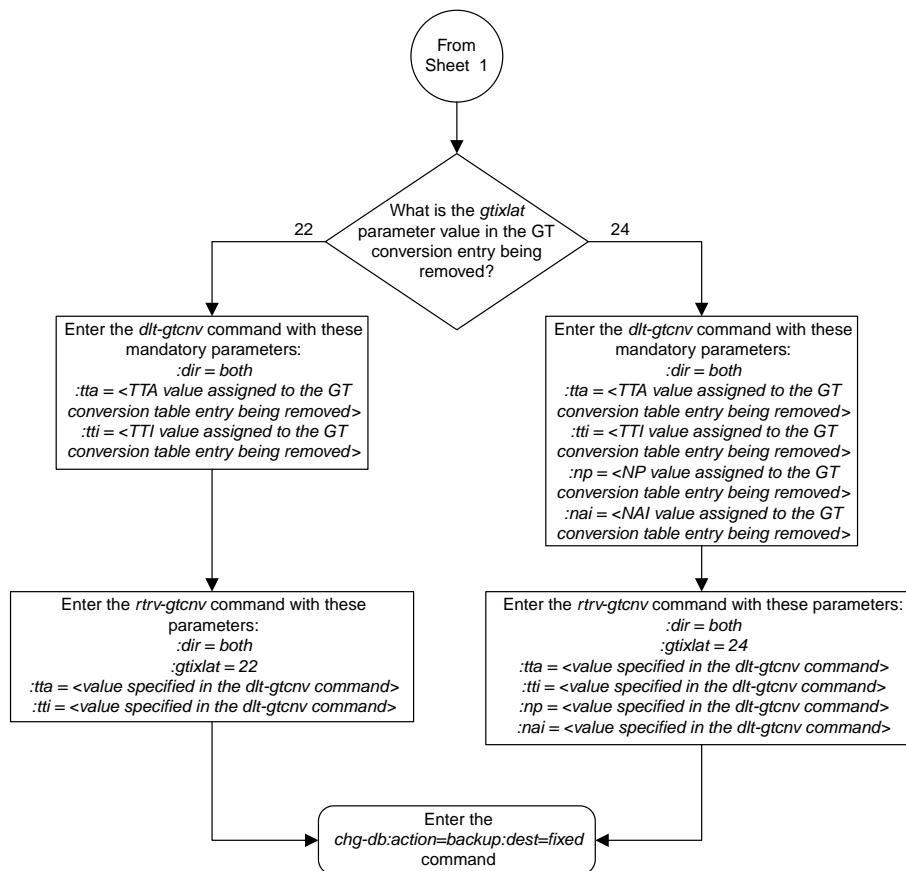


## Removing a GT Conversion Table Entry

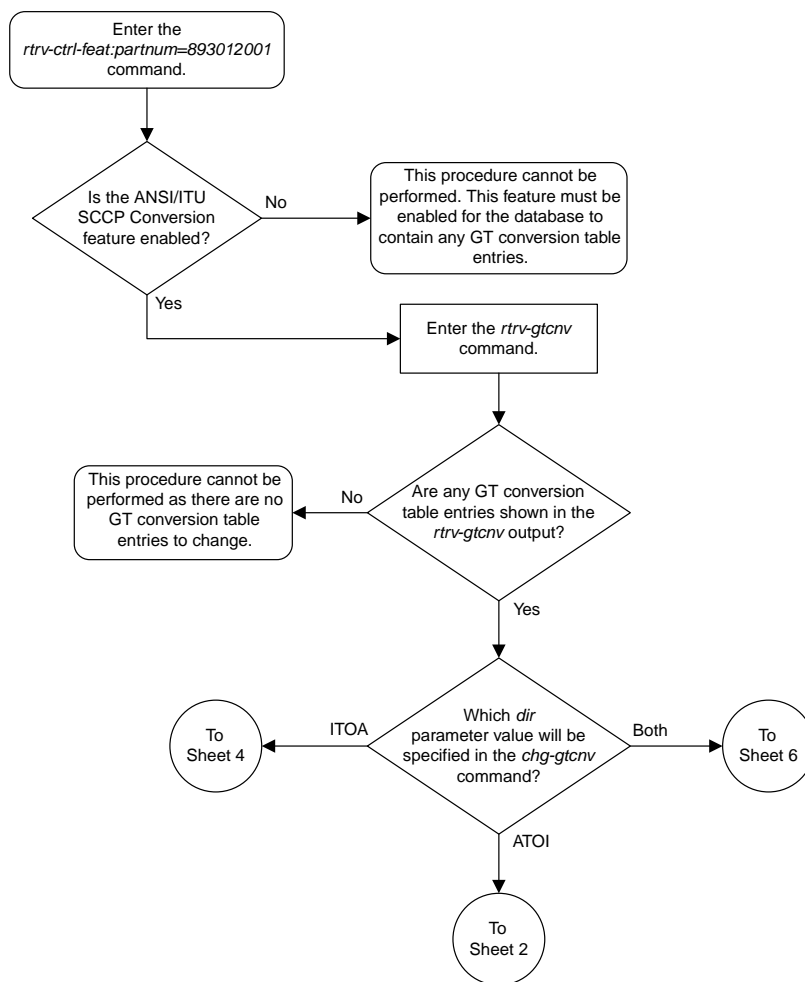


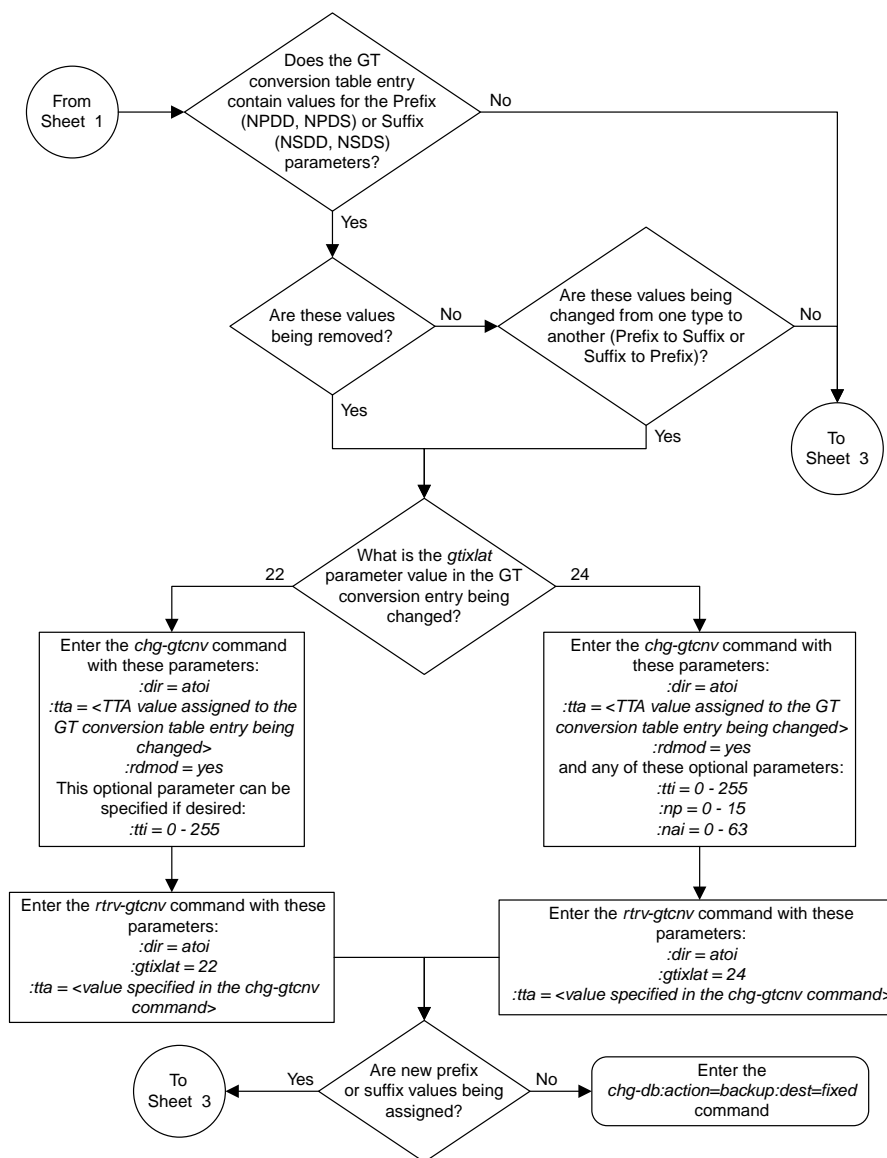




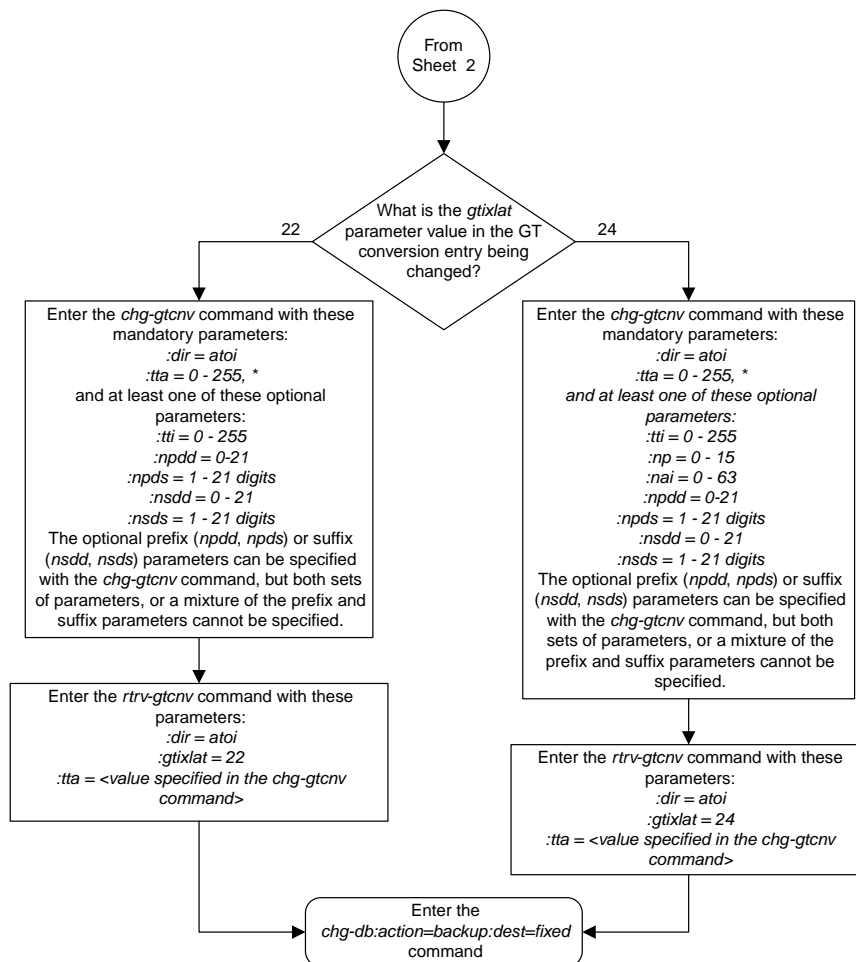


## Changing a GT Conversion Table Entry

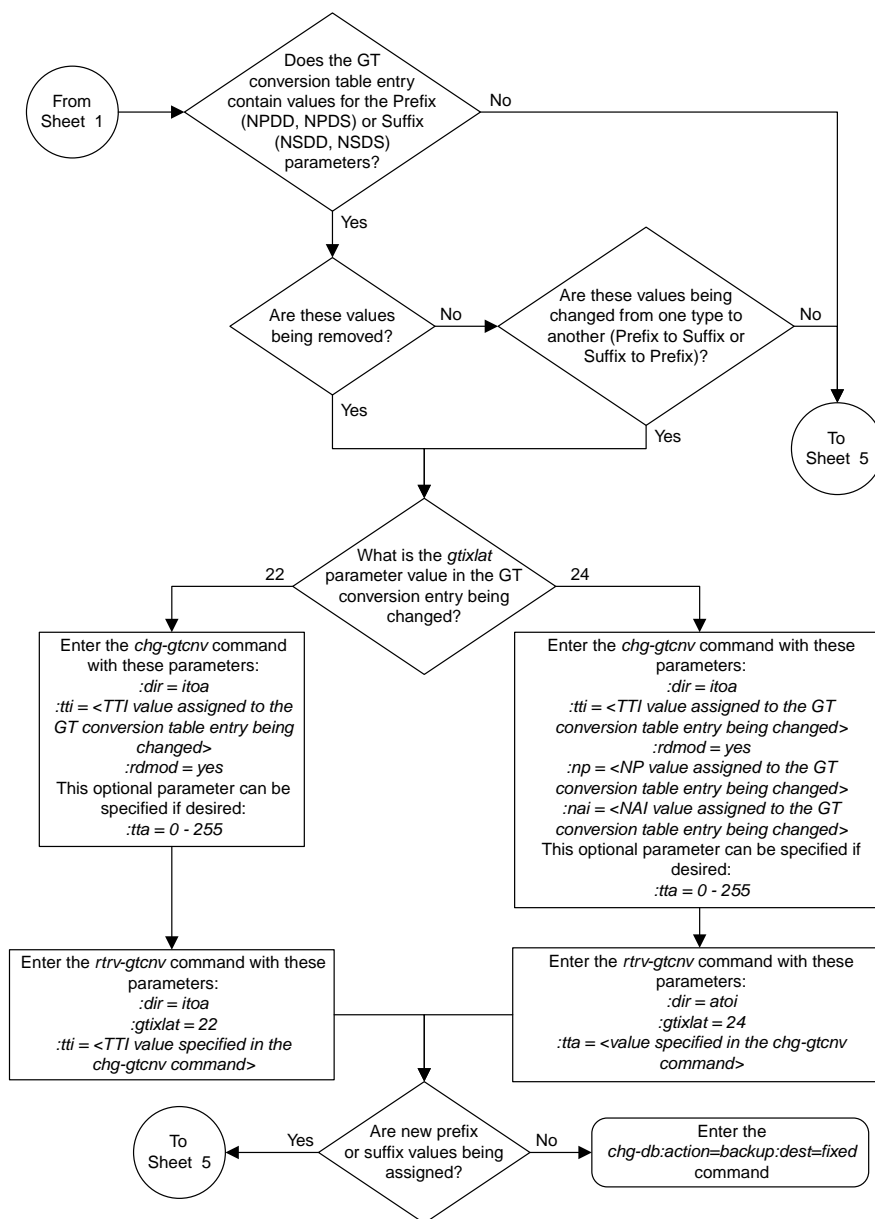




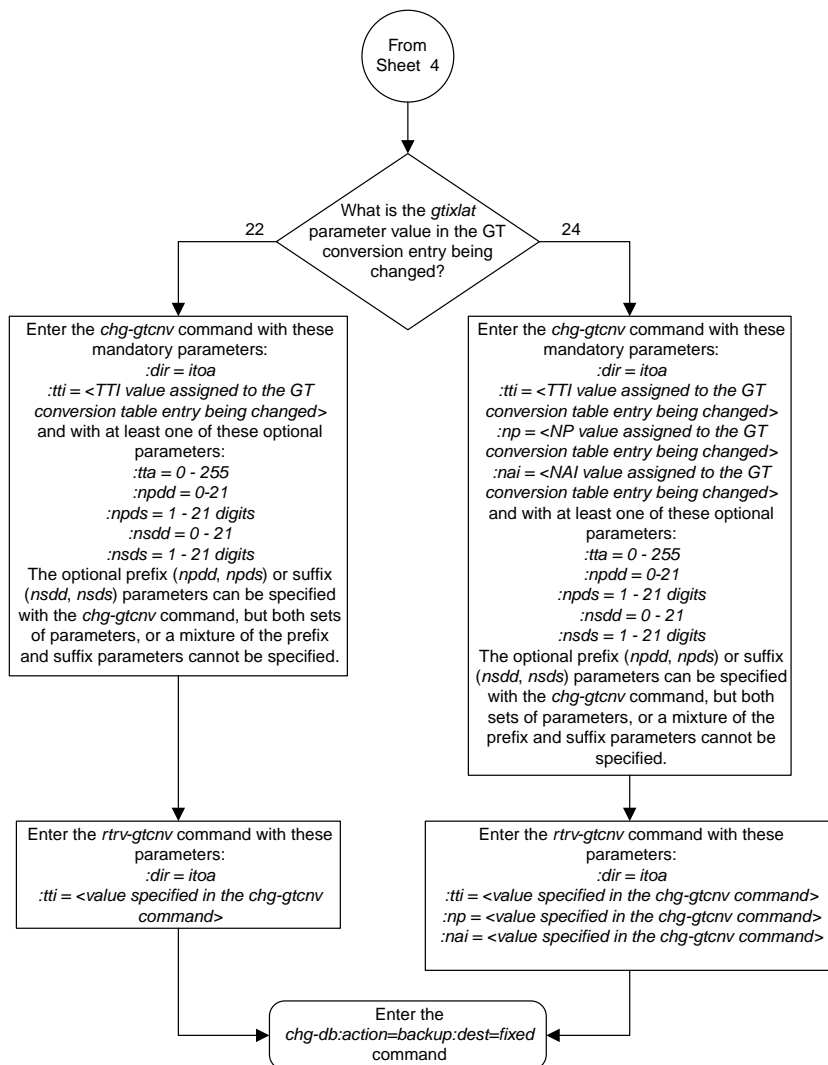
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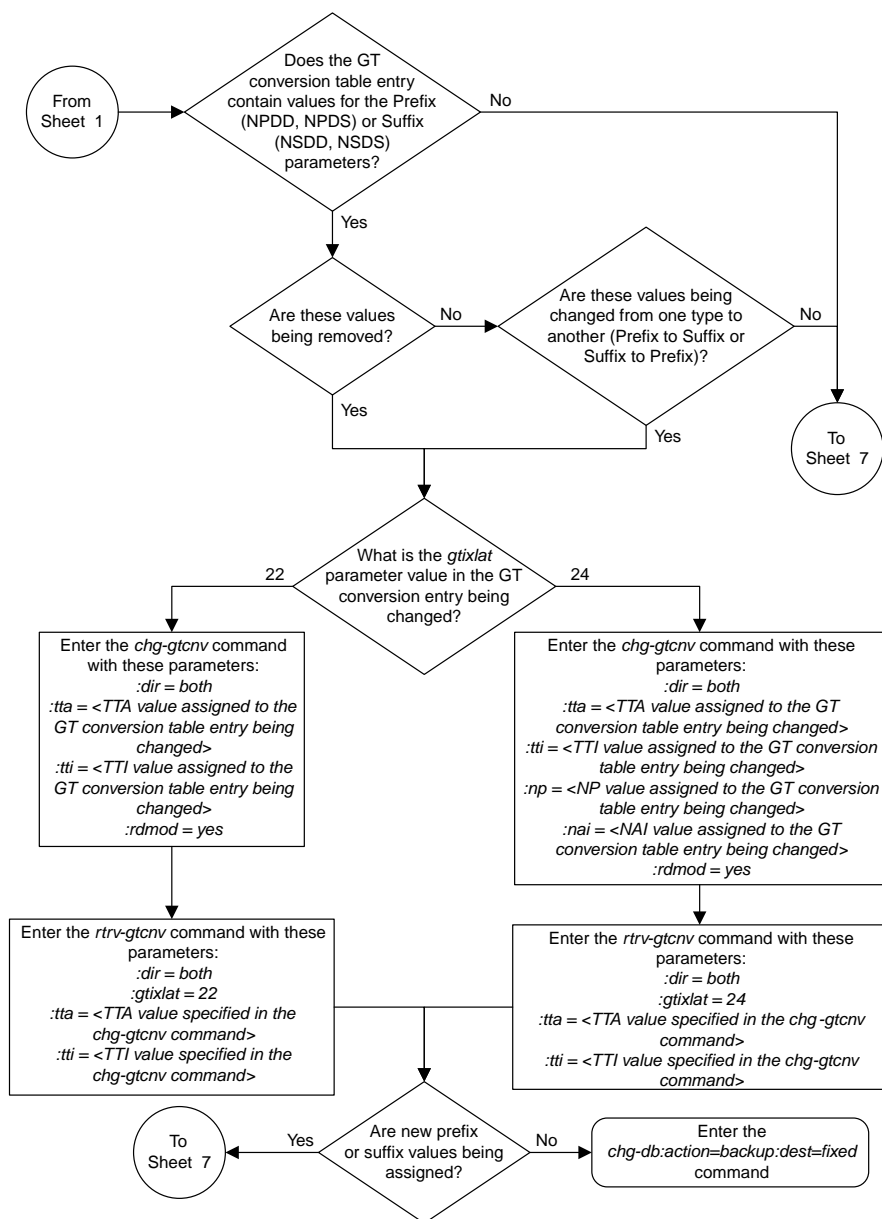




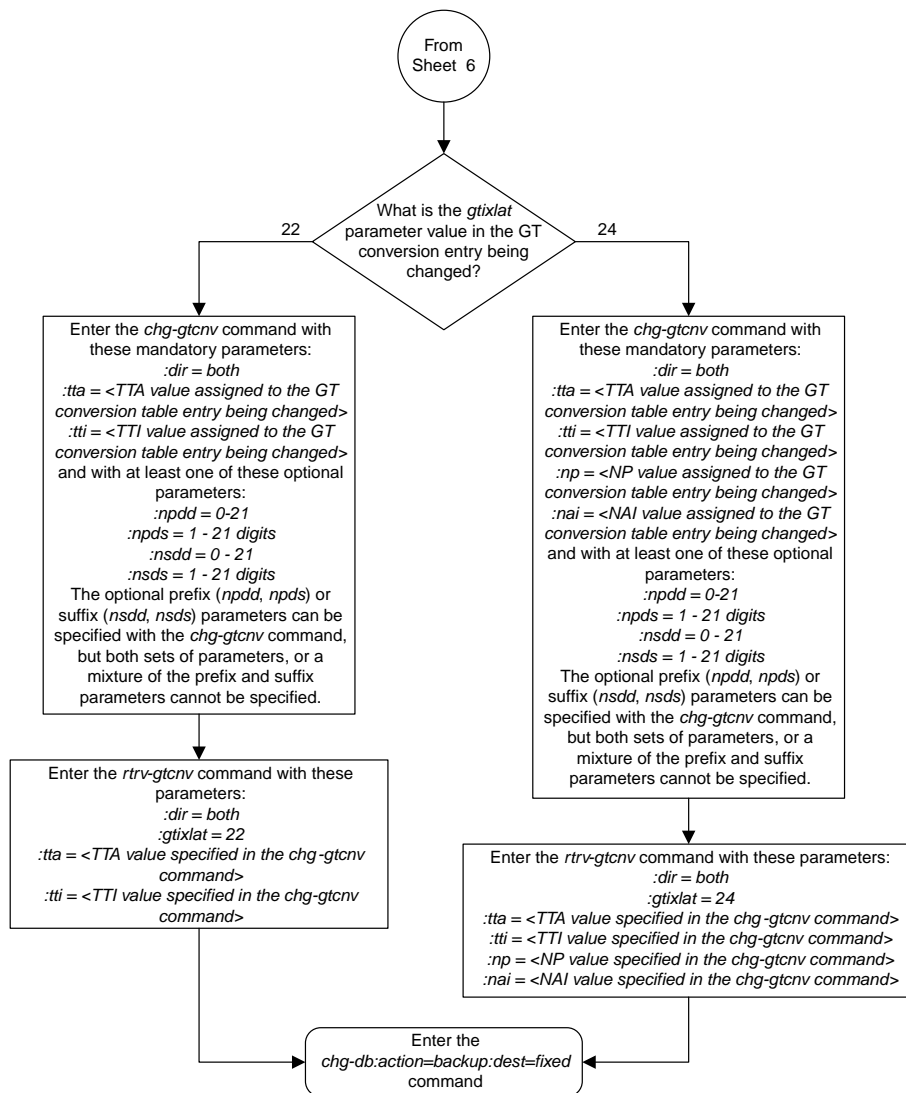


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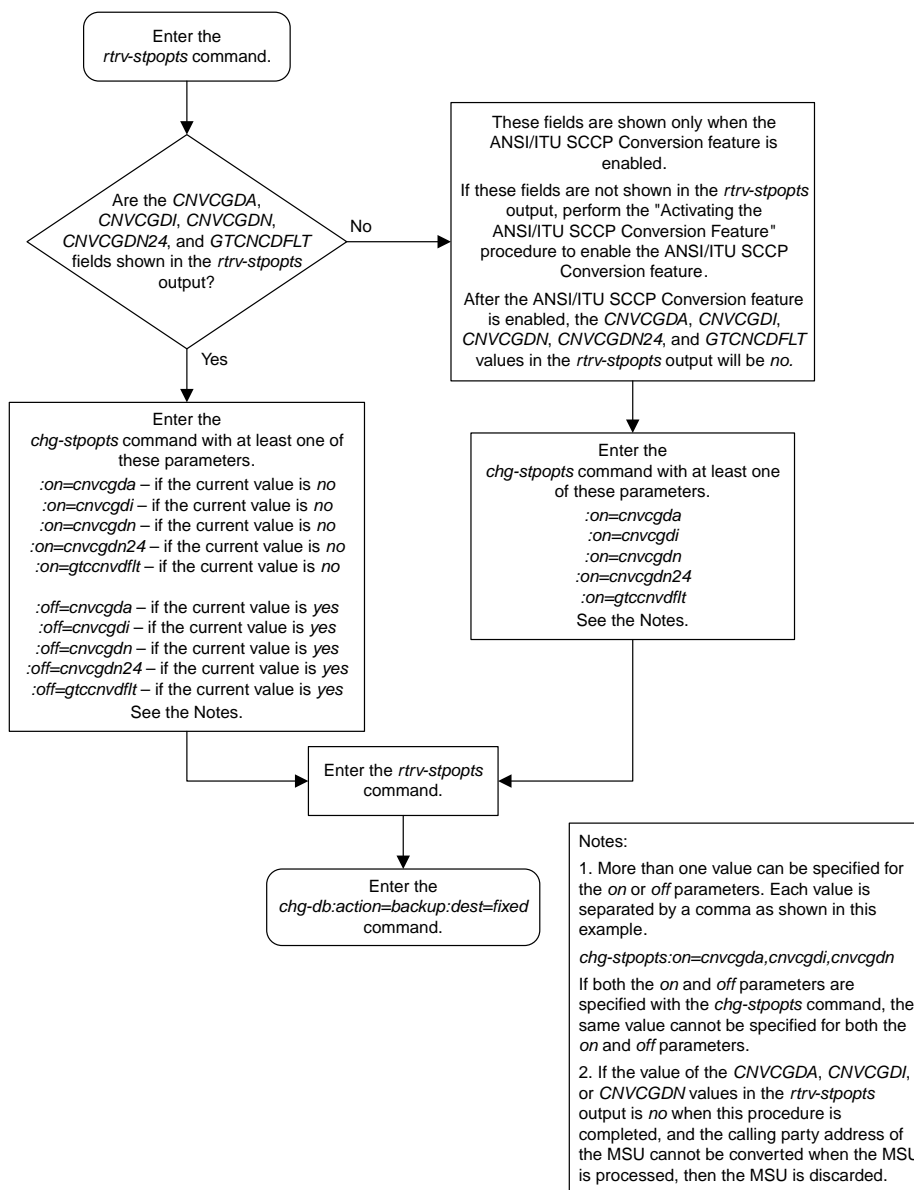




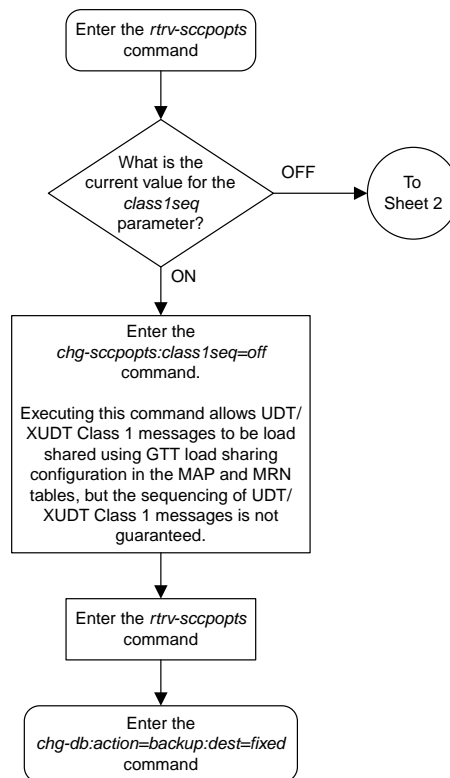
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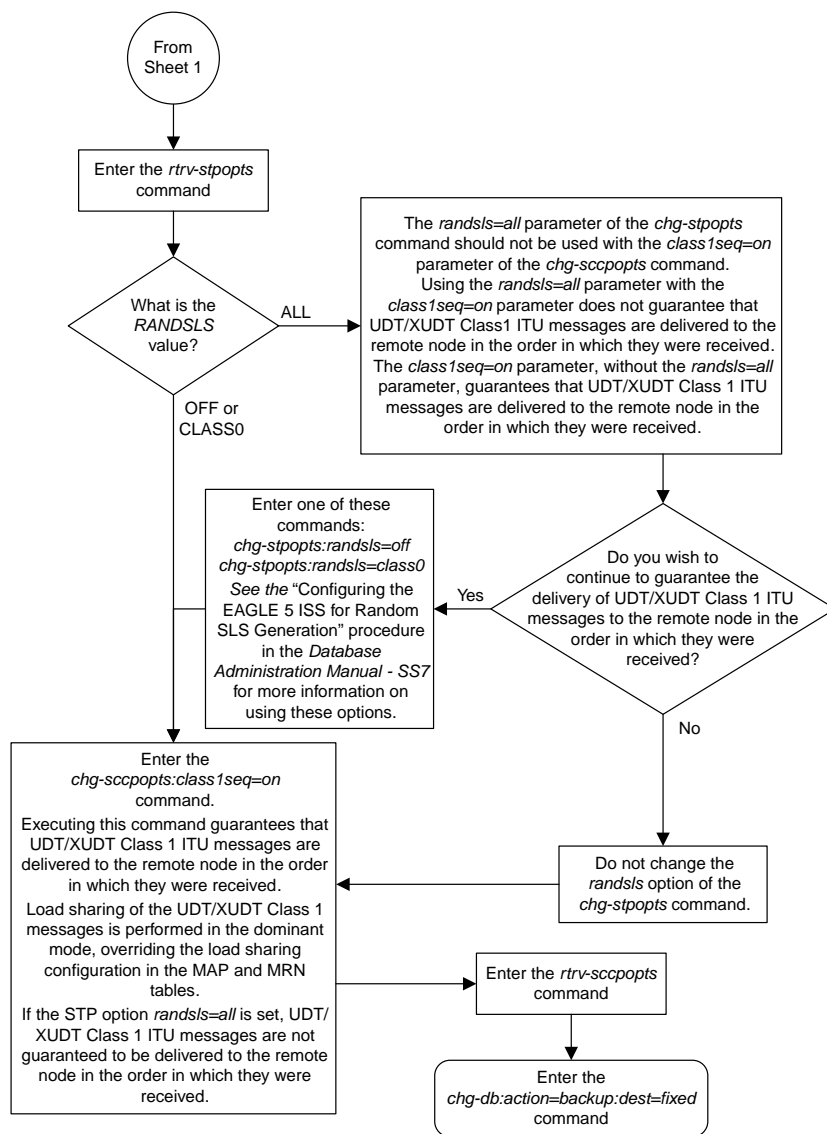
## Changing the ANSI/ITU SCCP Conversion Options



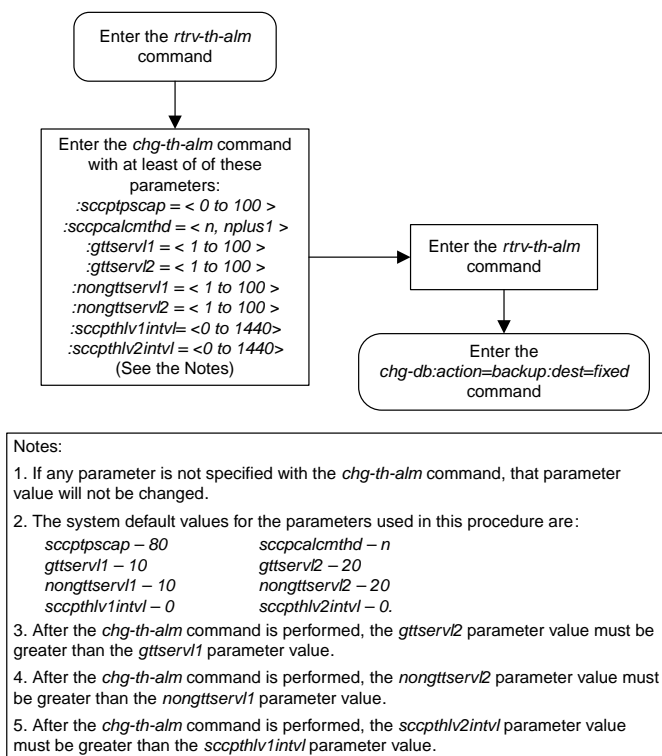
## Changing SCCP Class 1 Sequencing Option



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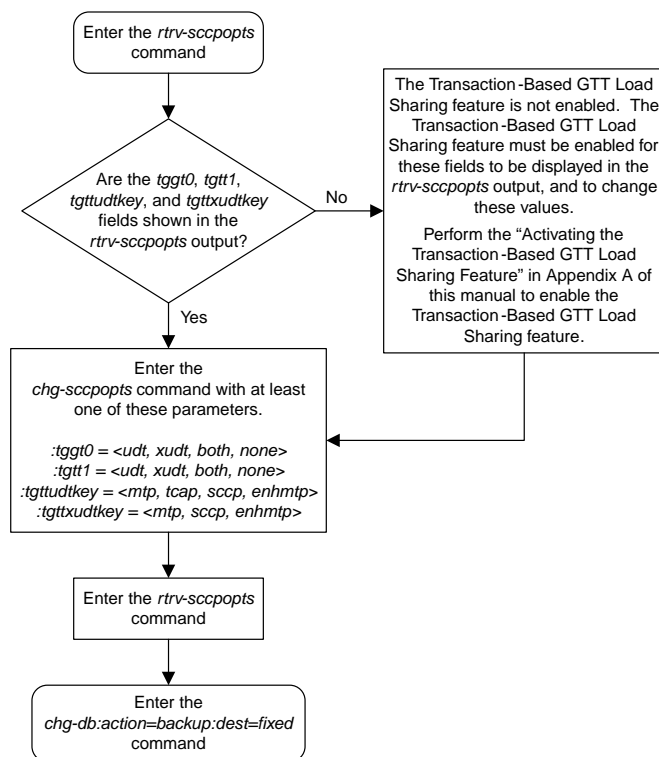


## Changing the SCCP Alarm Thresholds

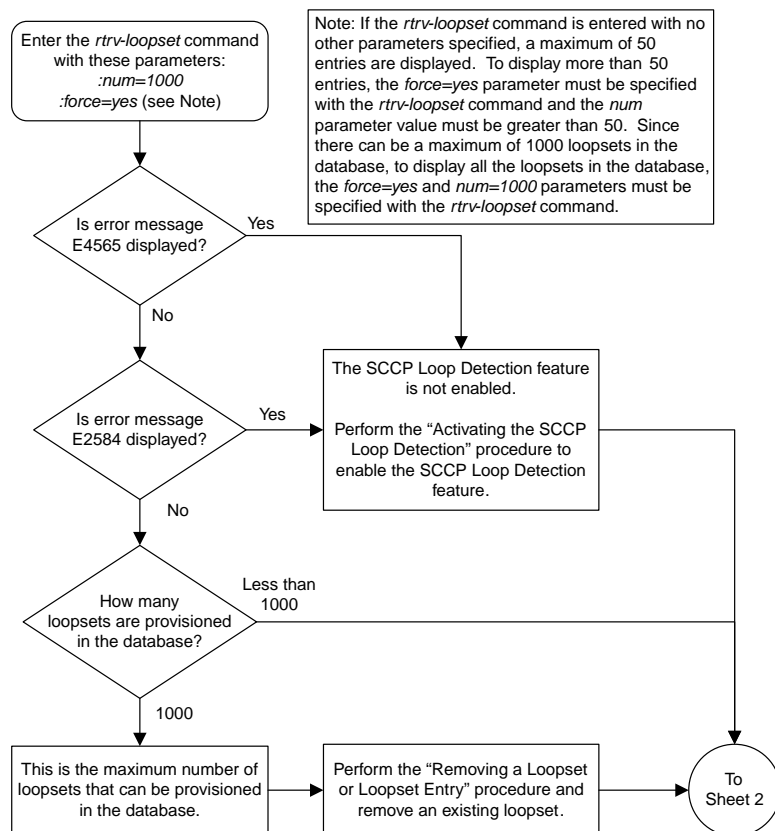


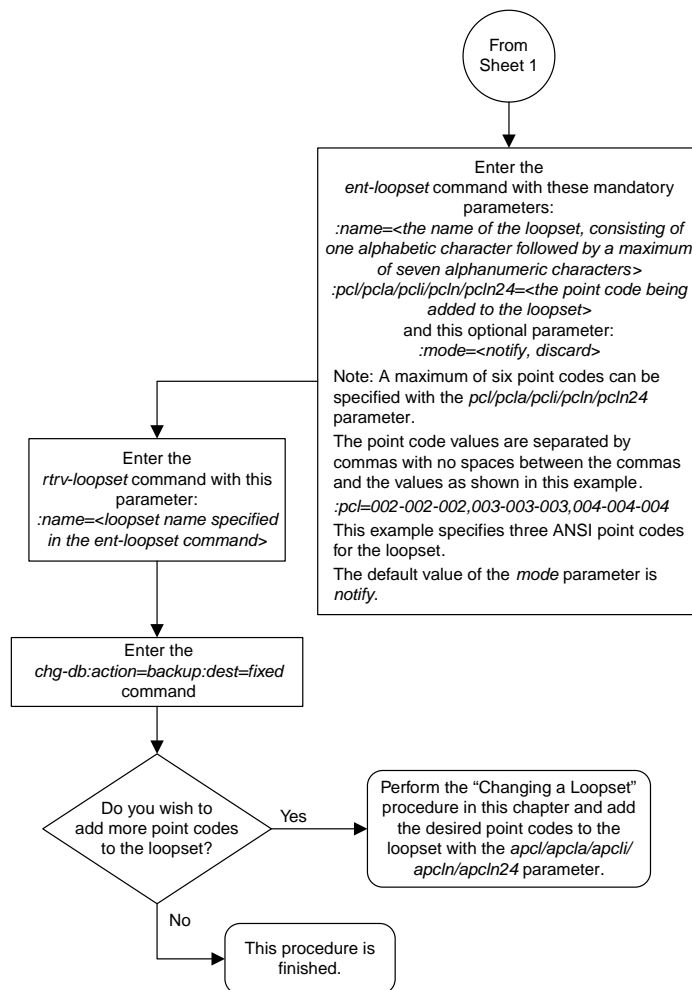


## Changing the Transaction-Based GTT Load Sharing Options

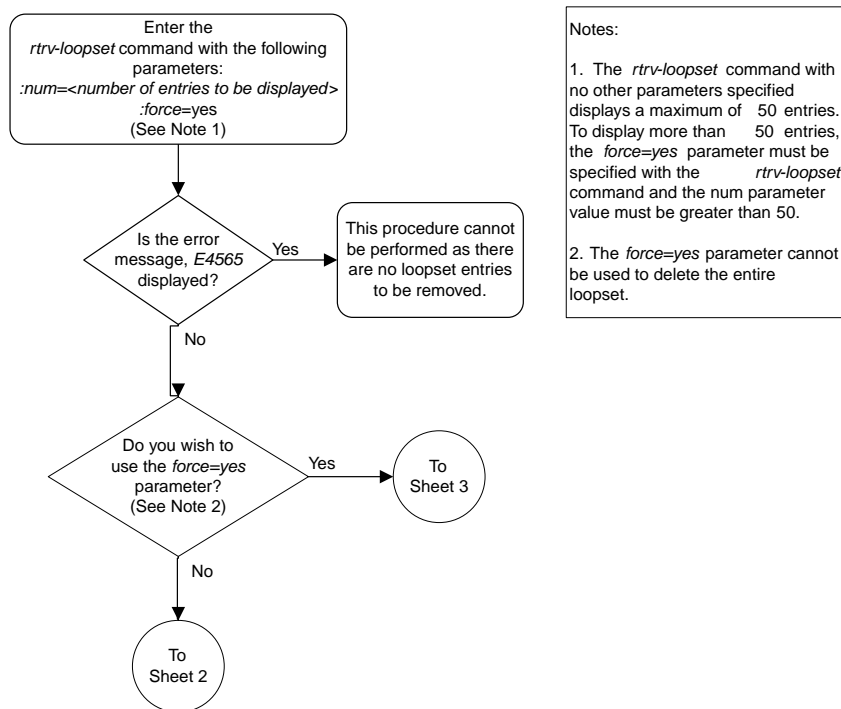


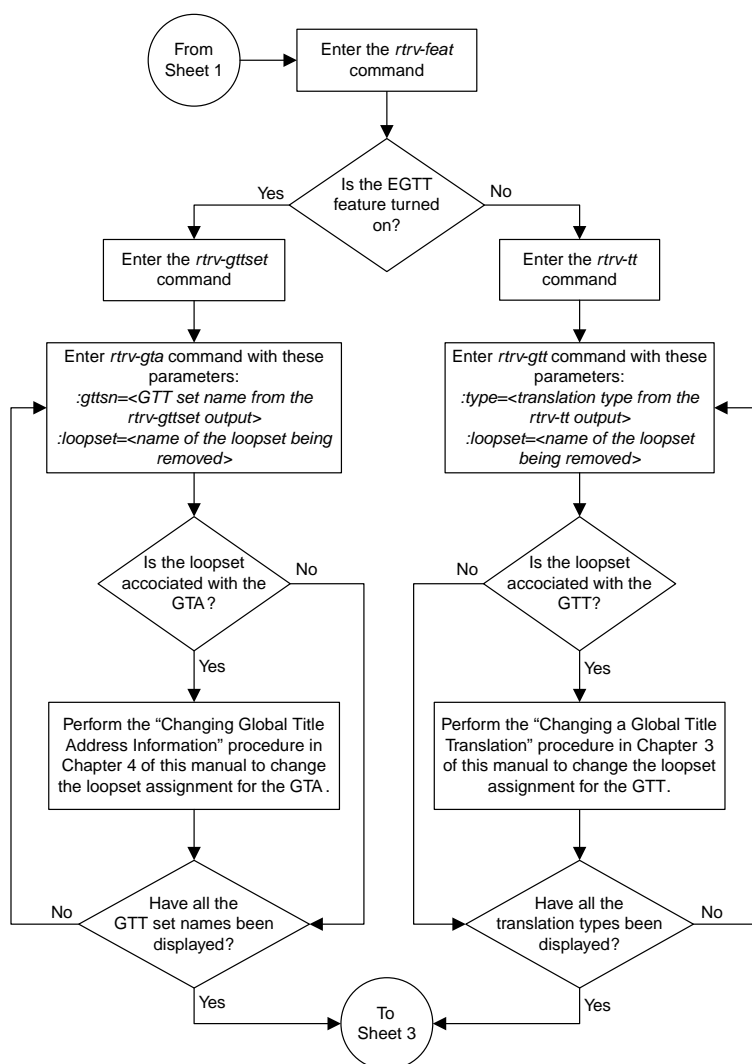
## Adding a Loopset



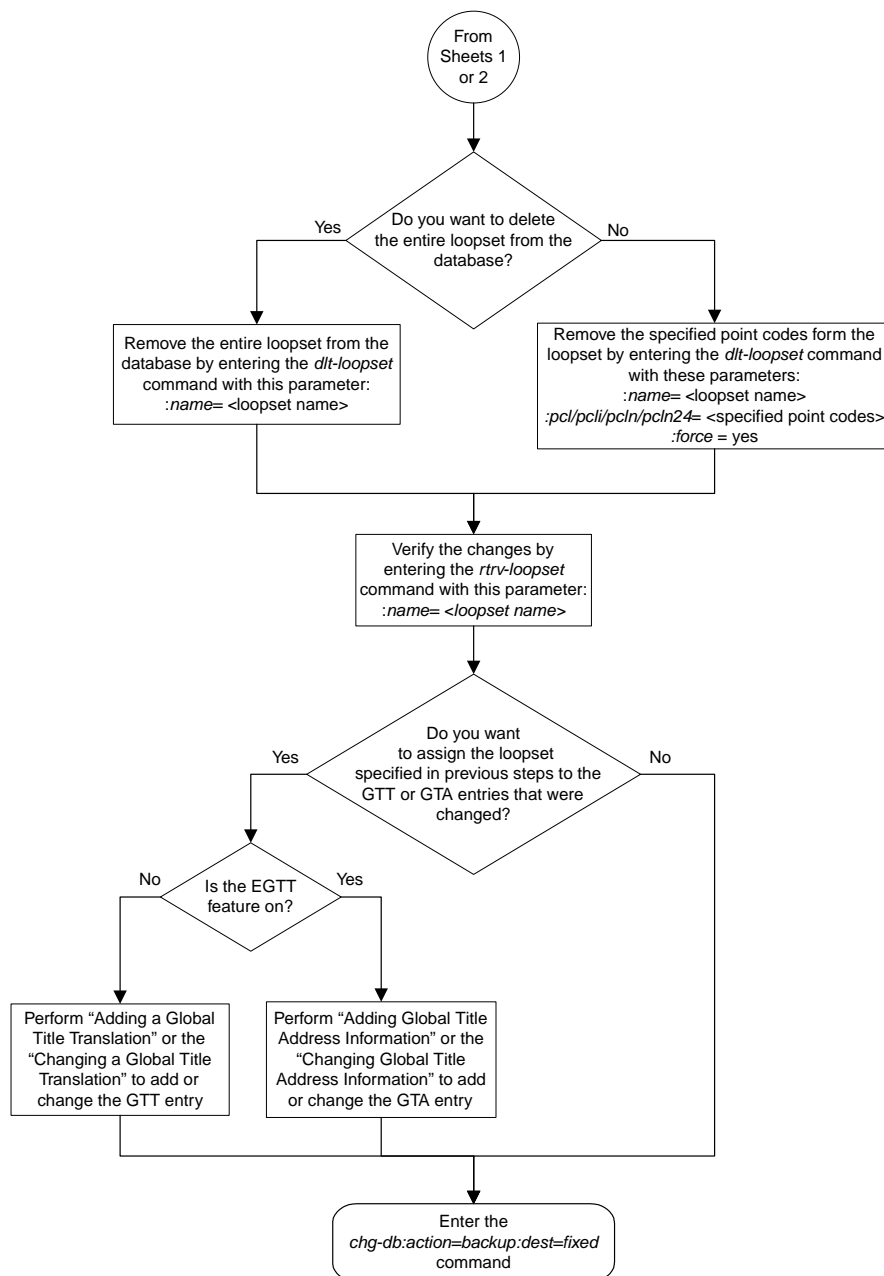


## Removing a Loopset

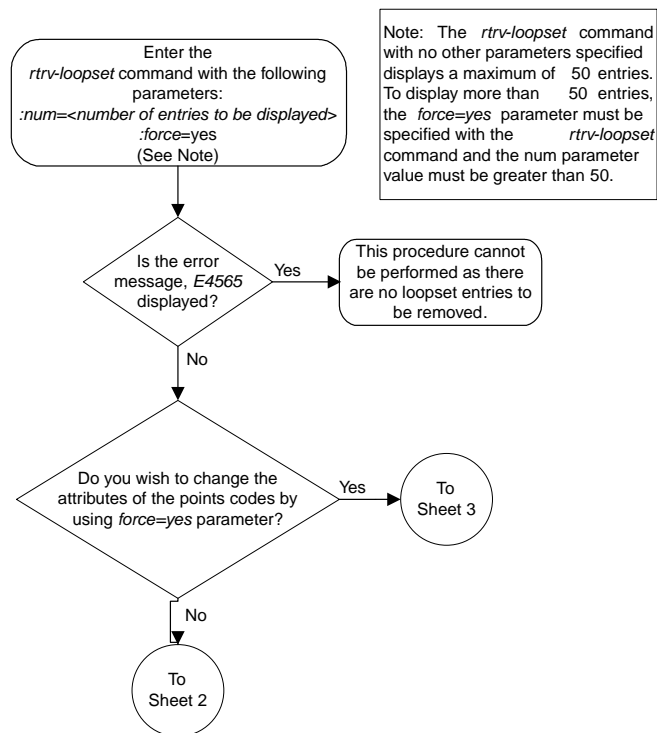


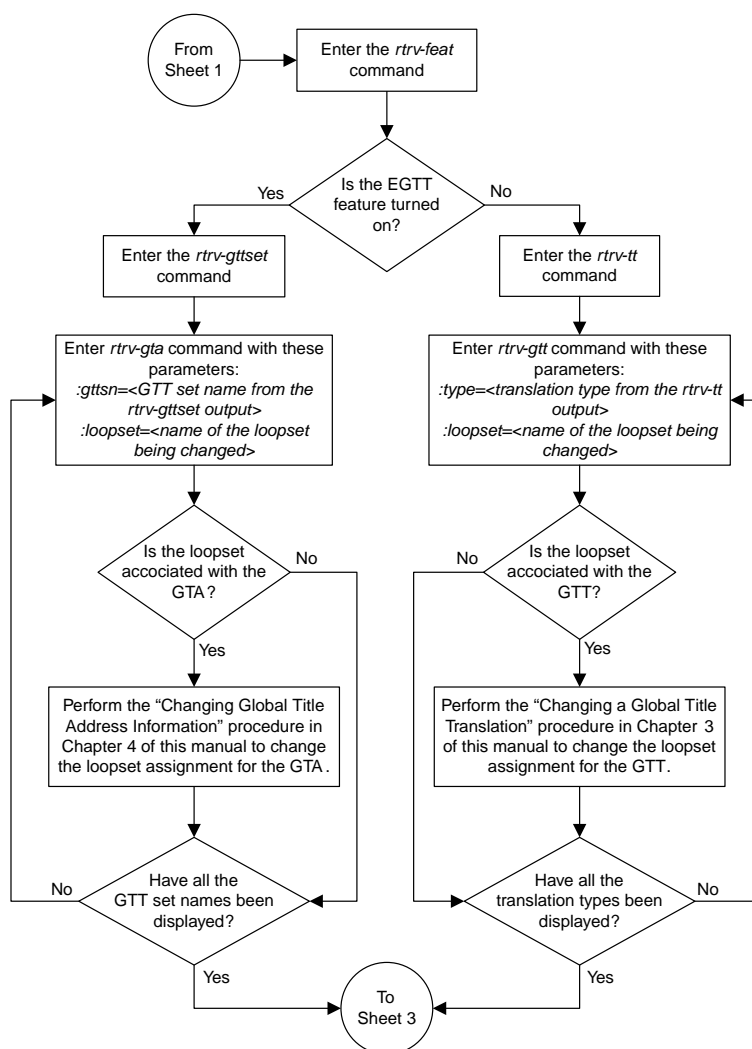


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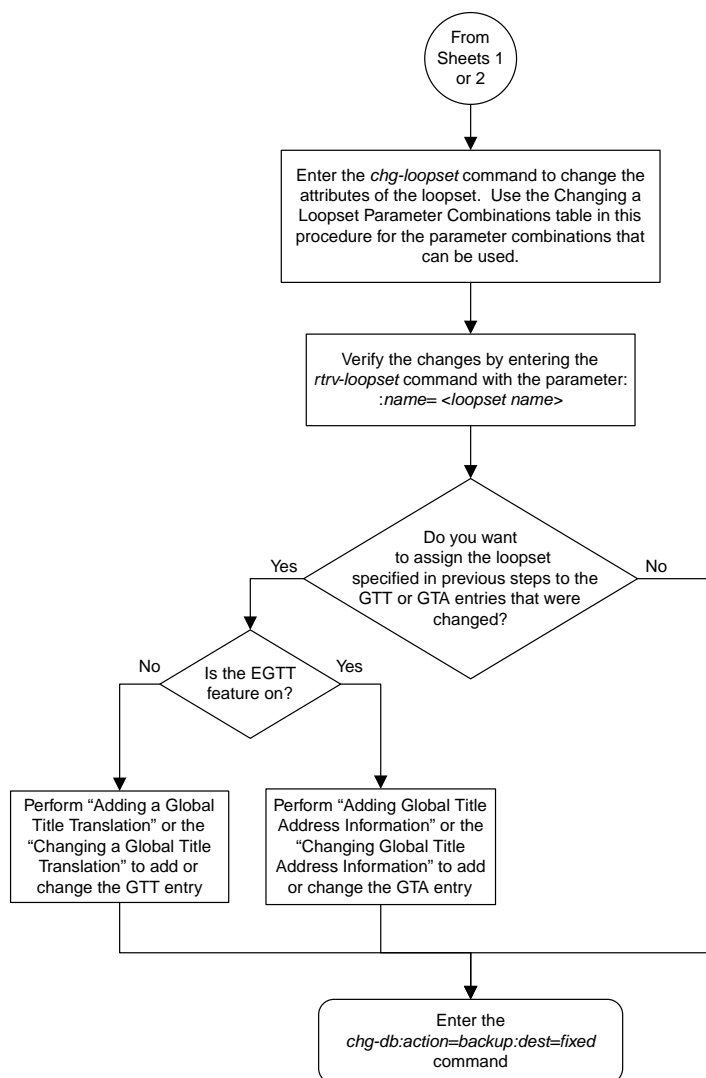
## Changing the Attributes of a Loopset



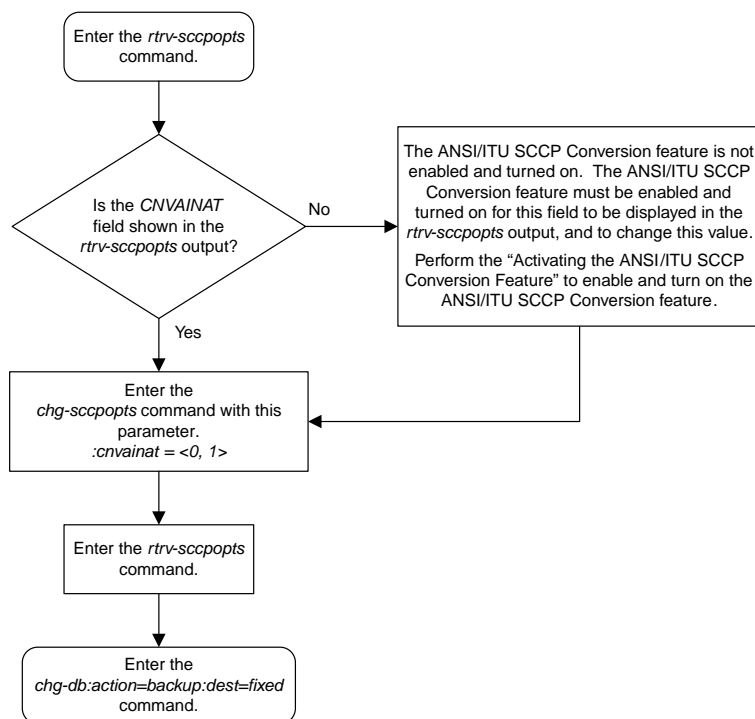


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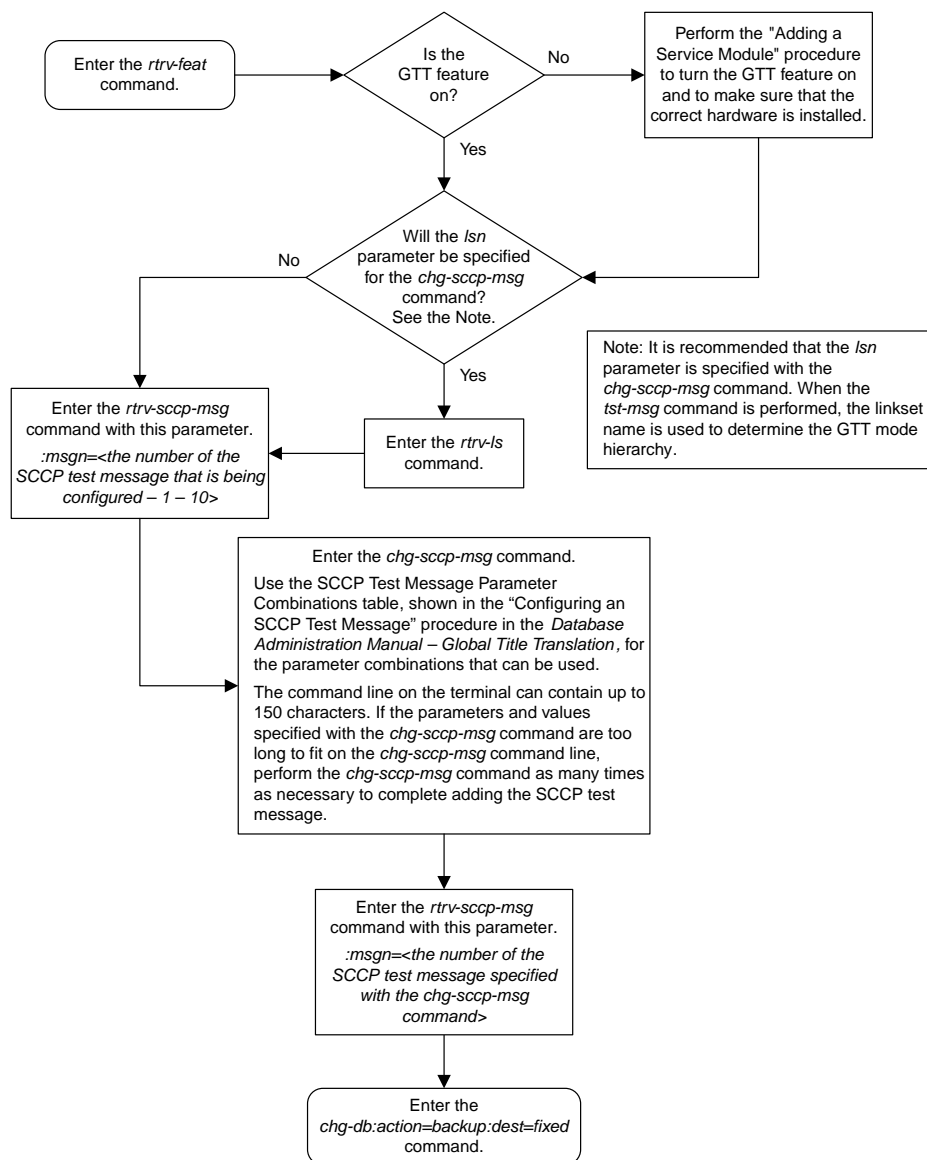




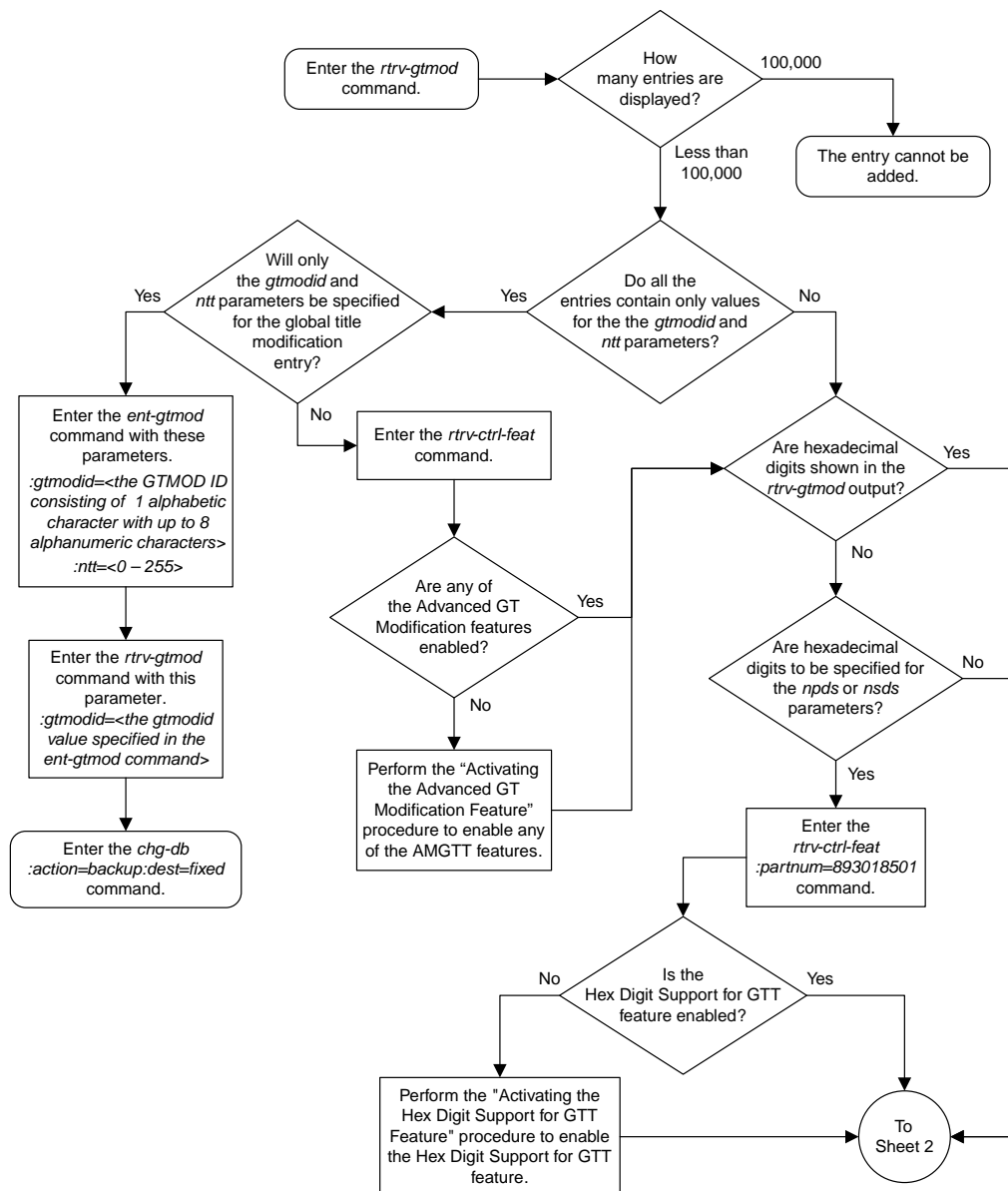
## Configuring the ANSI to ITU-N SCCP Conversion Option



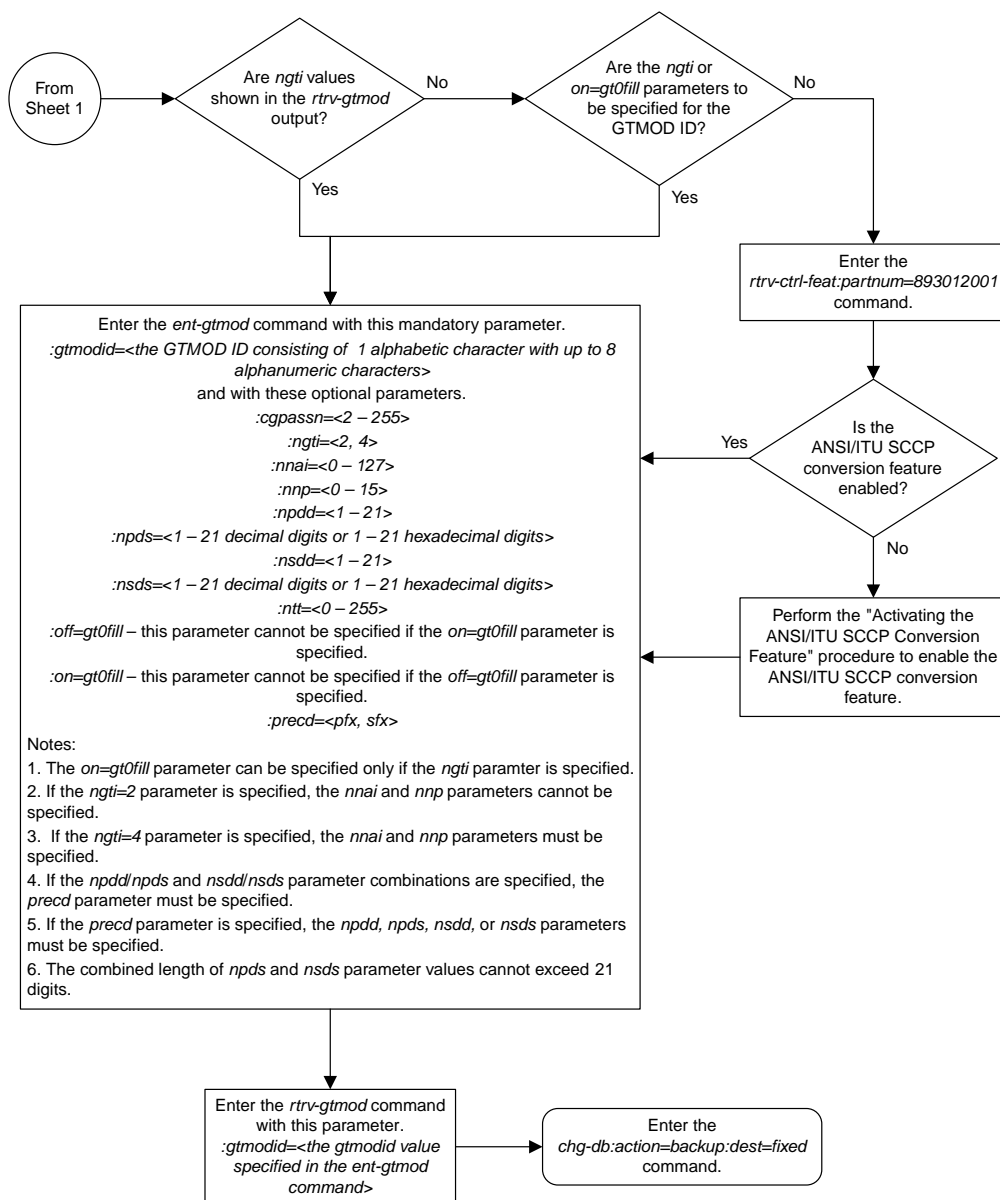
## Configuring an SCCP Test Message



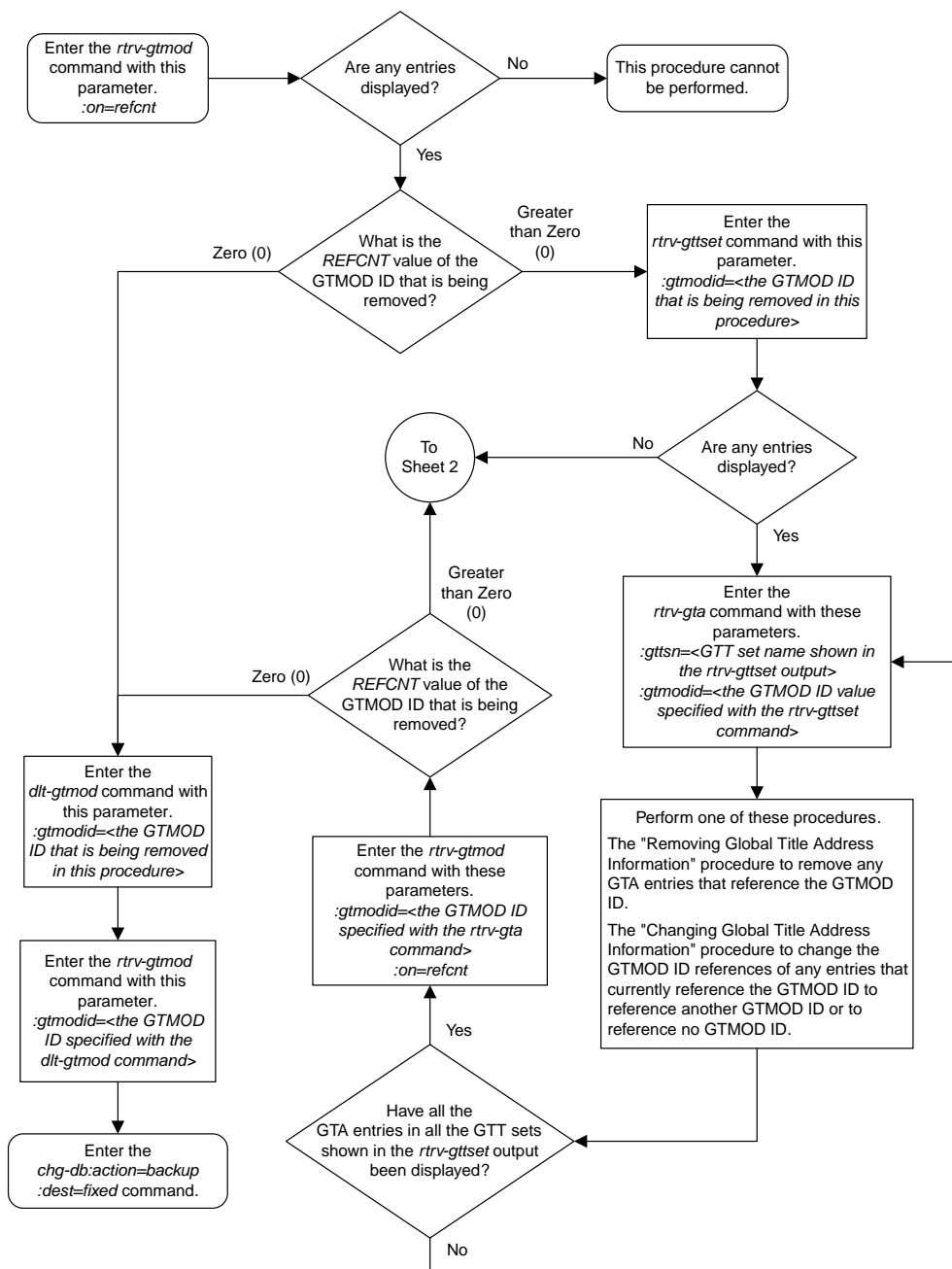
## Adding Global Title Modification Information



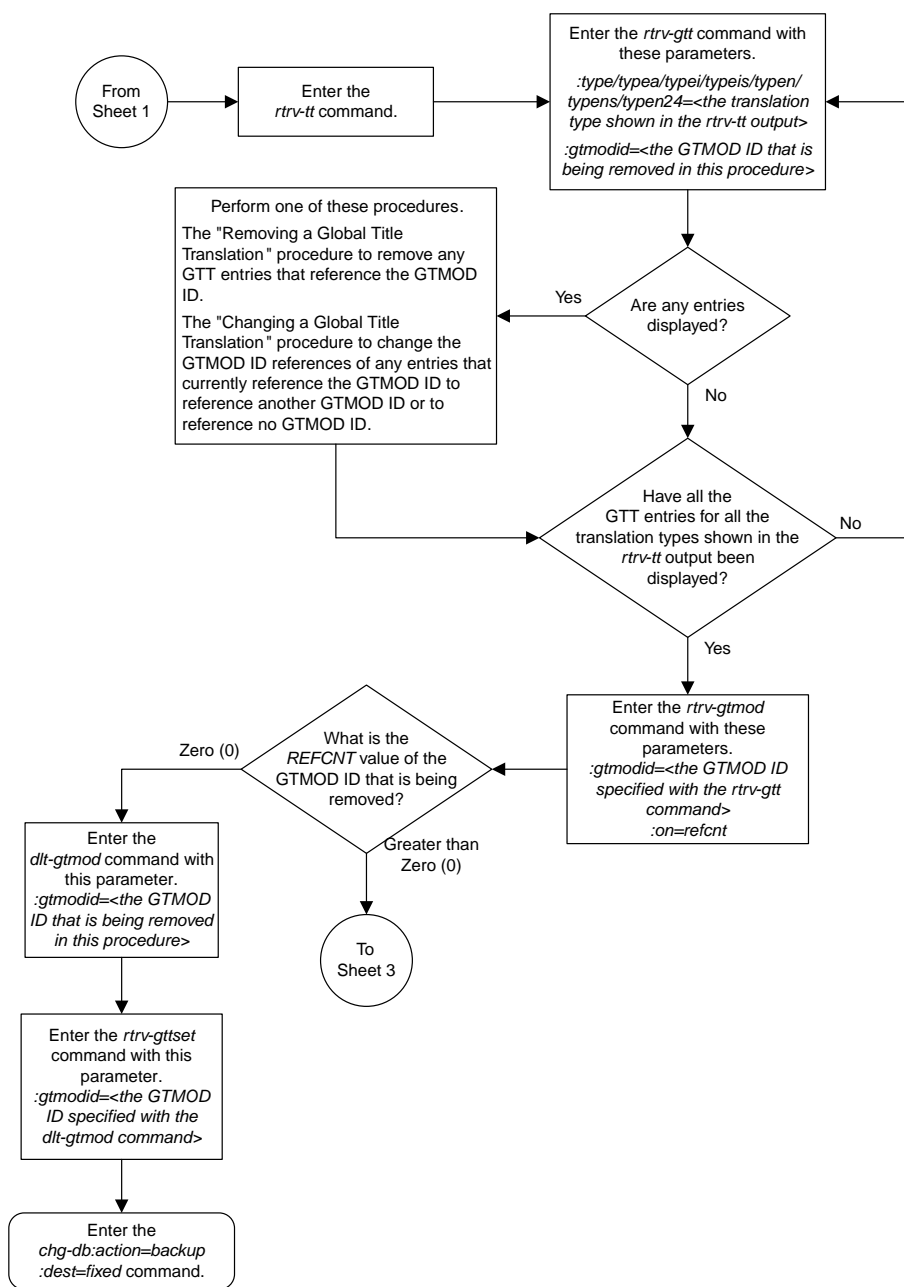
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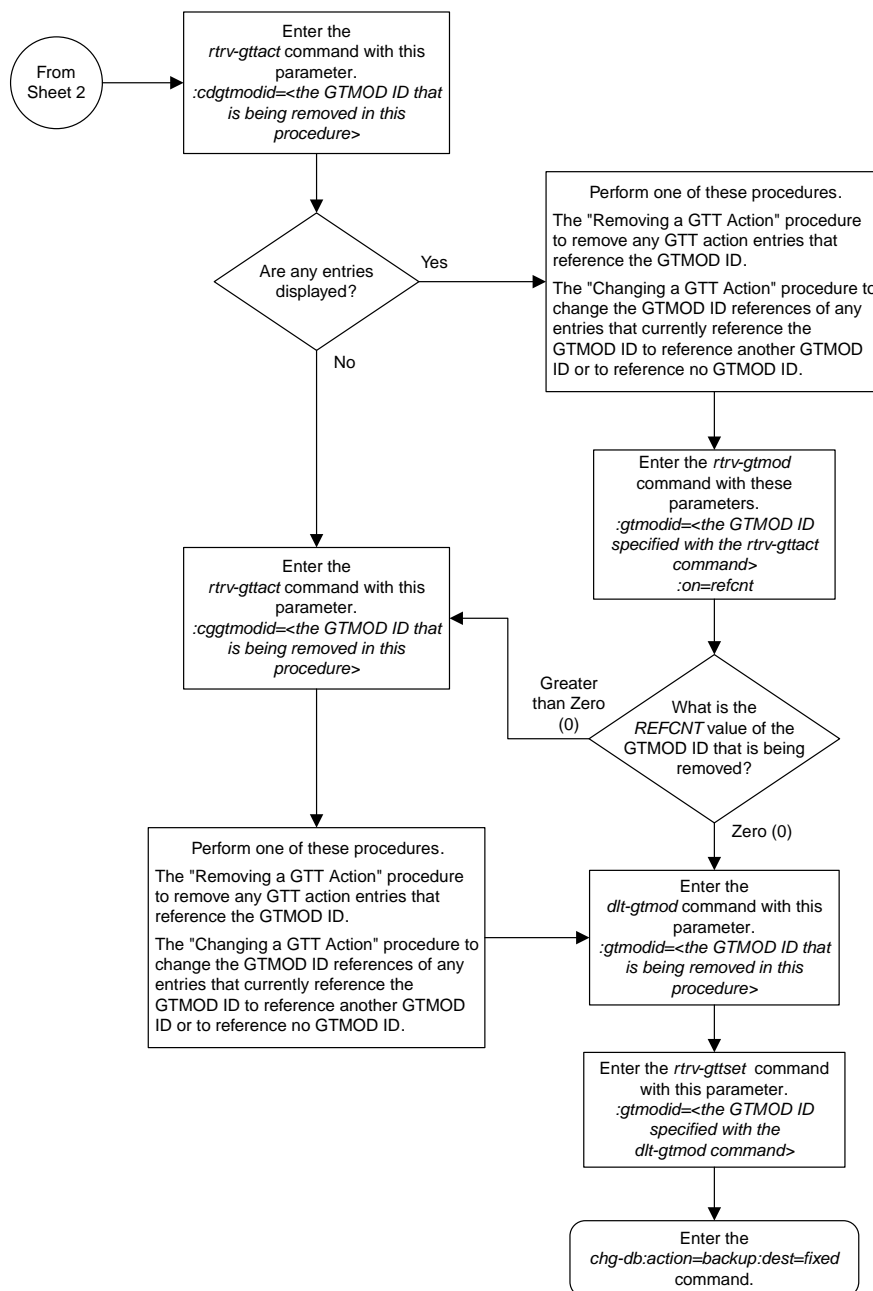
## Removing Global Title Modification Information



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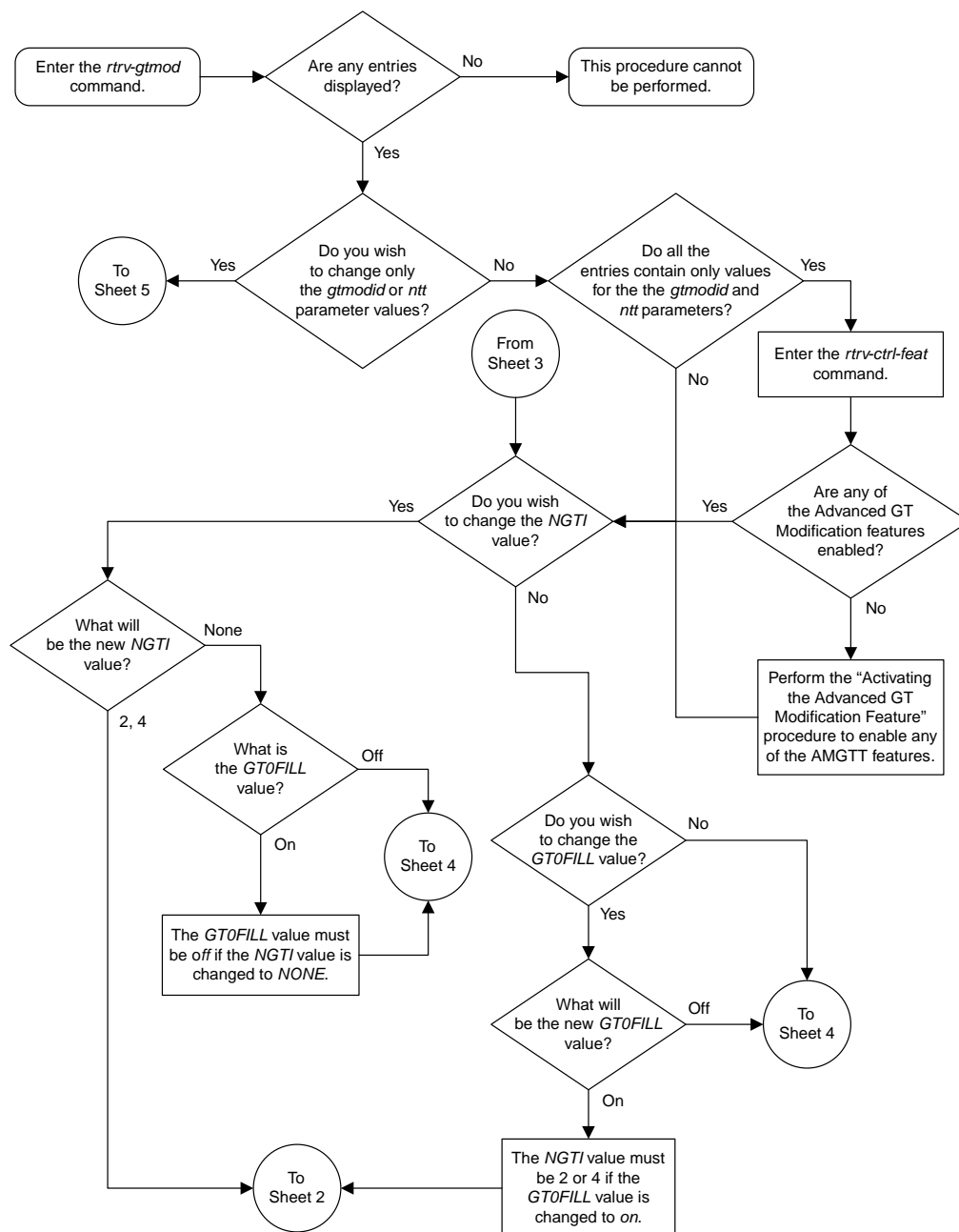


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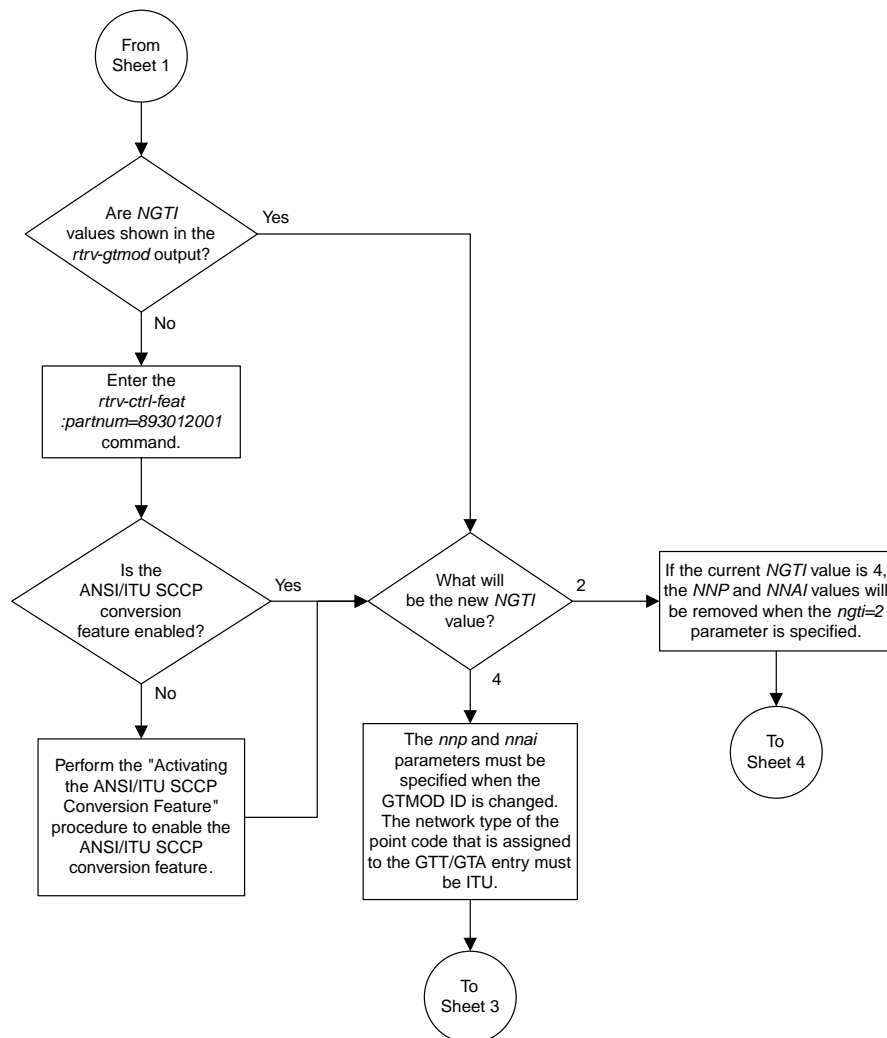




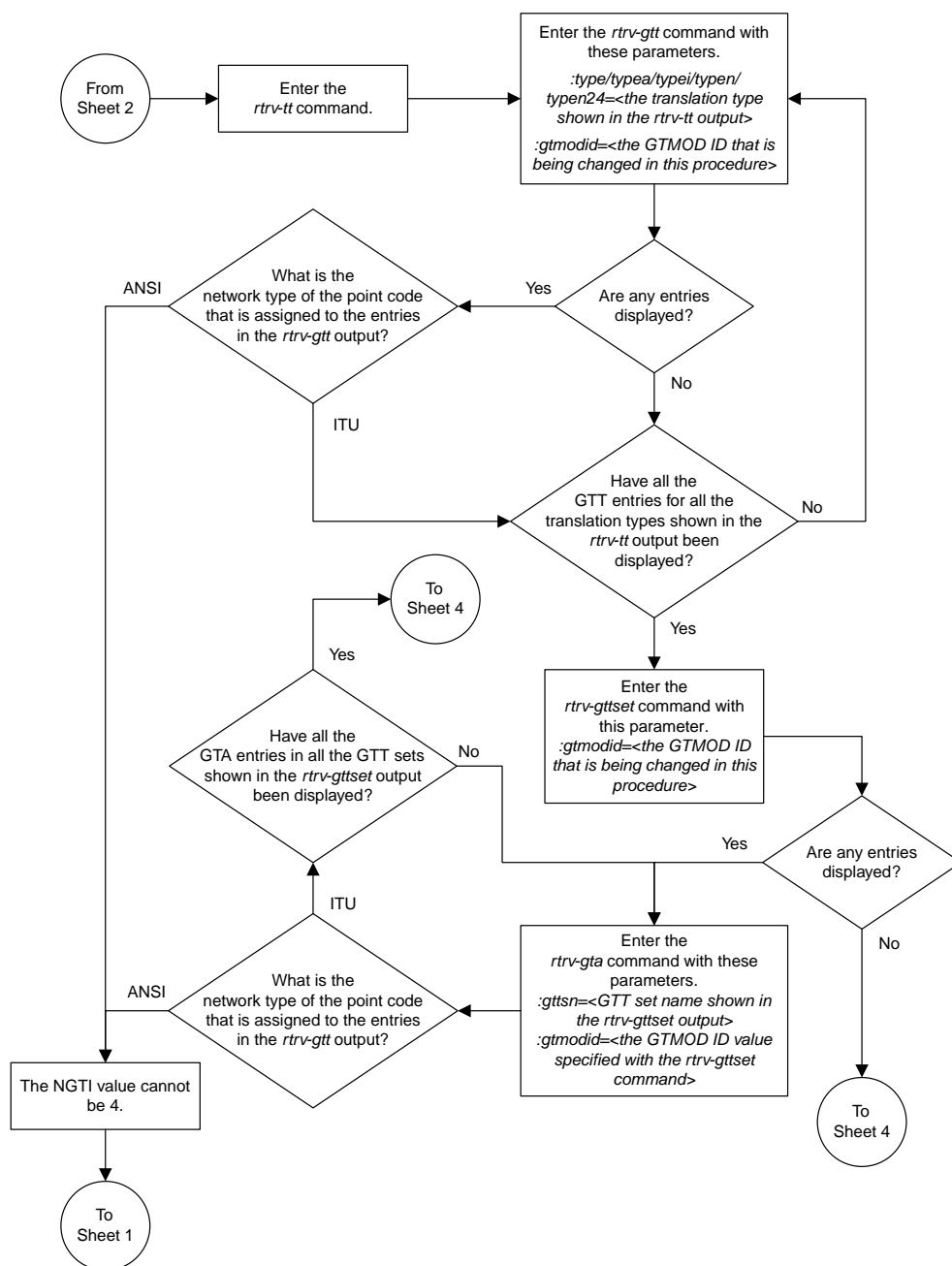
## Changing Global Title Modification Information



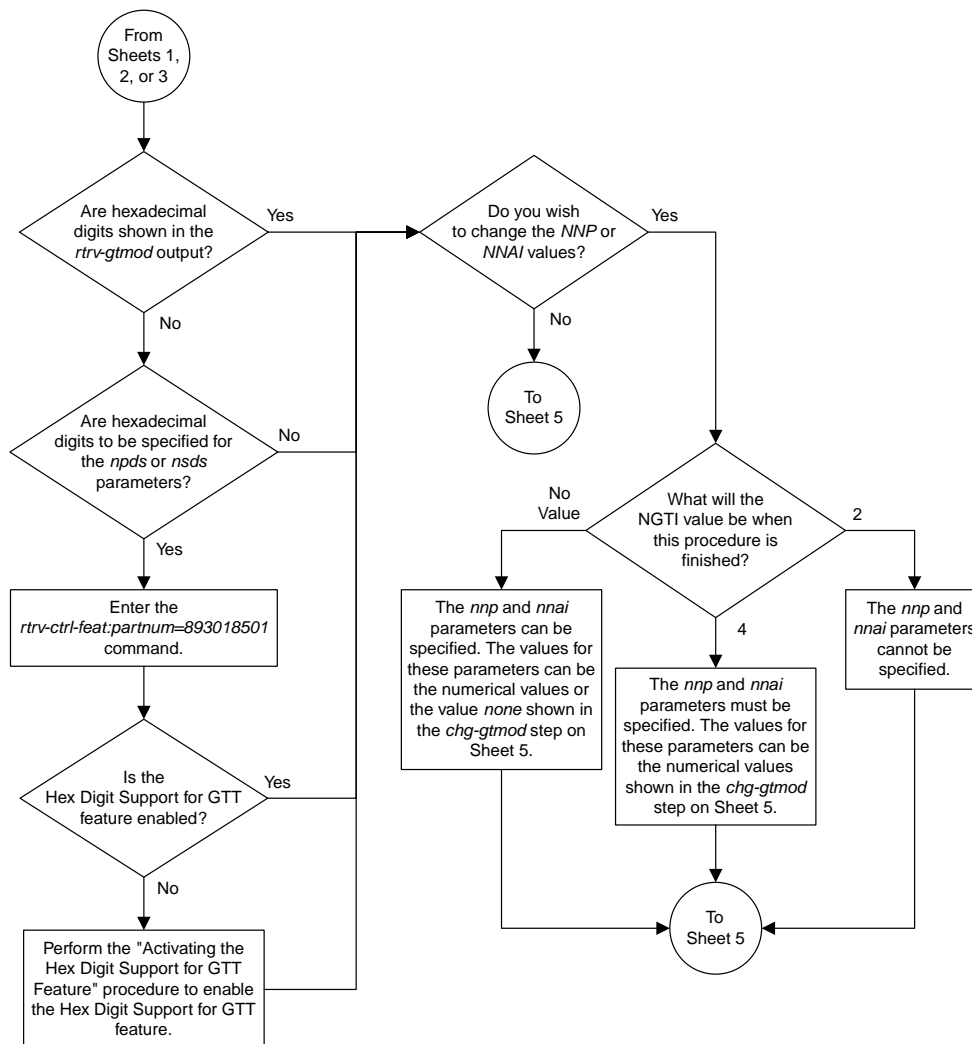
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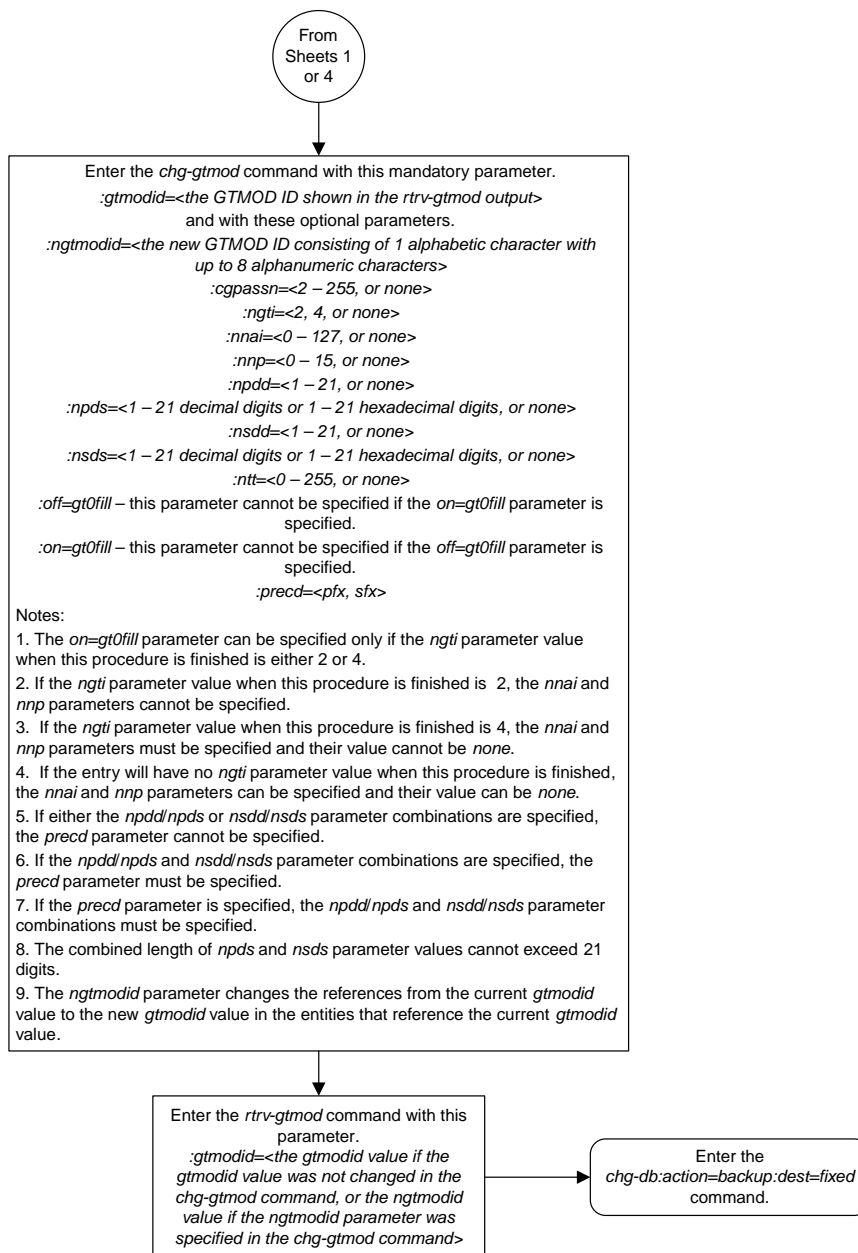
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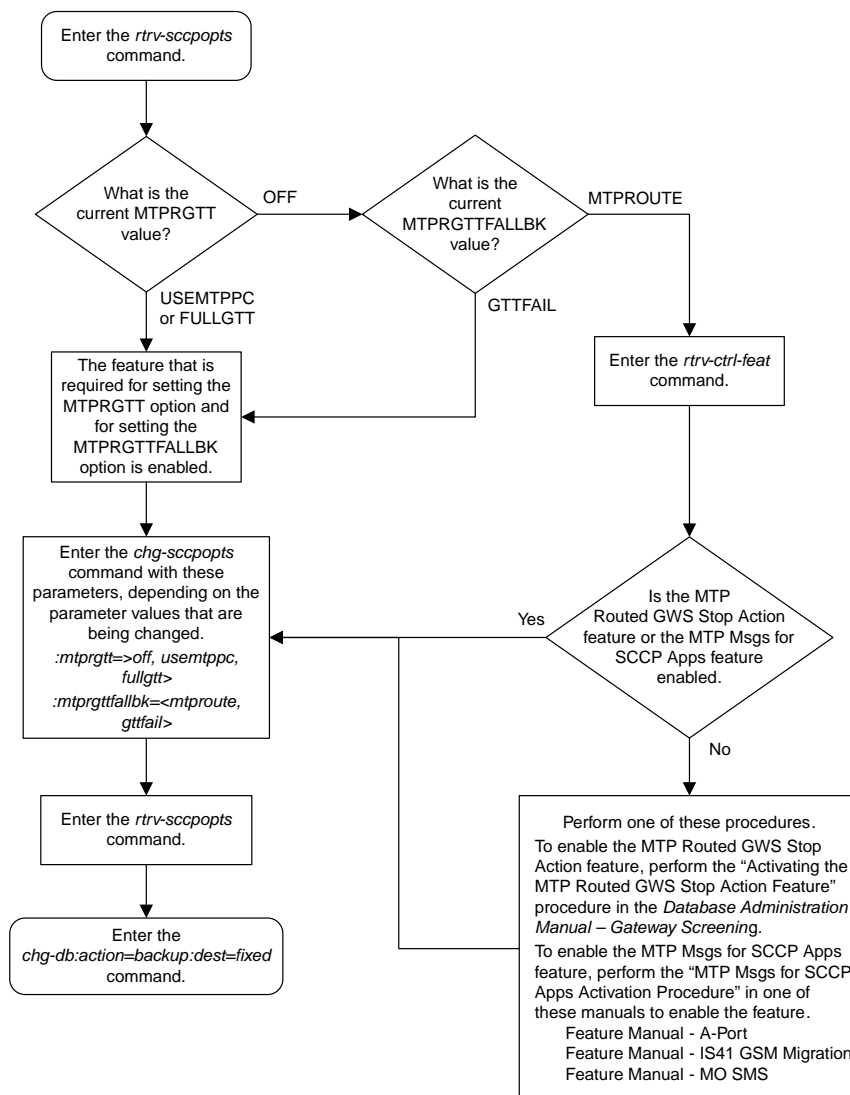
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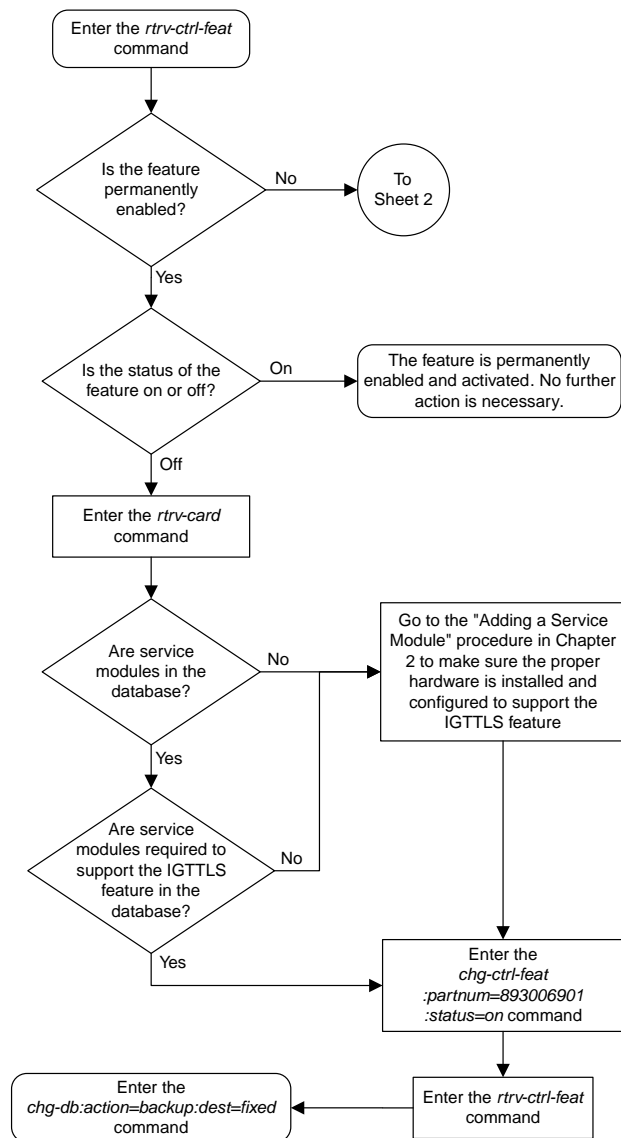
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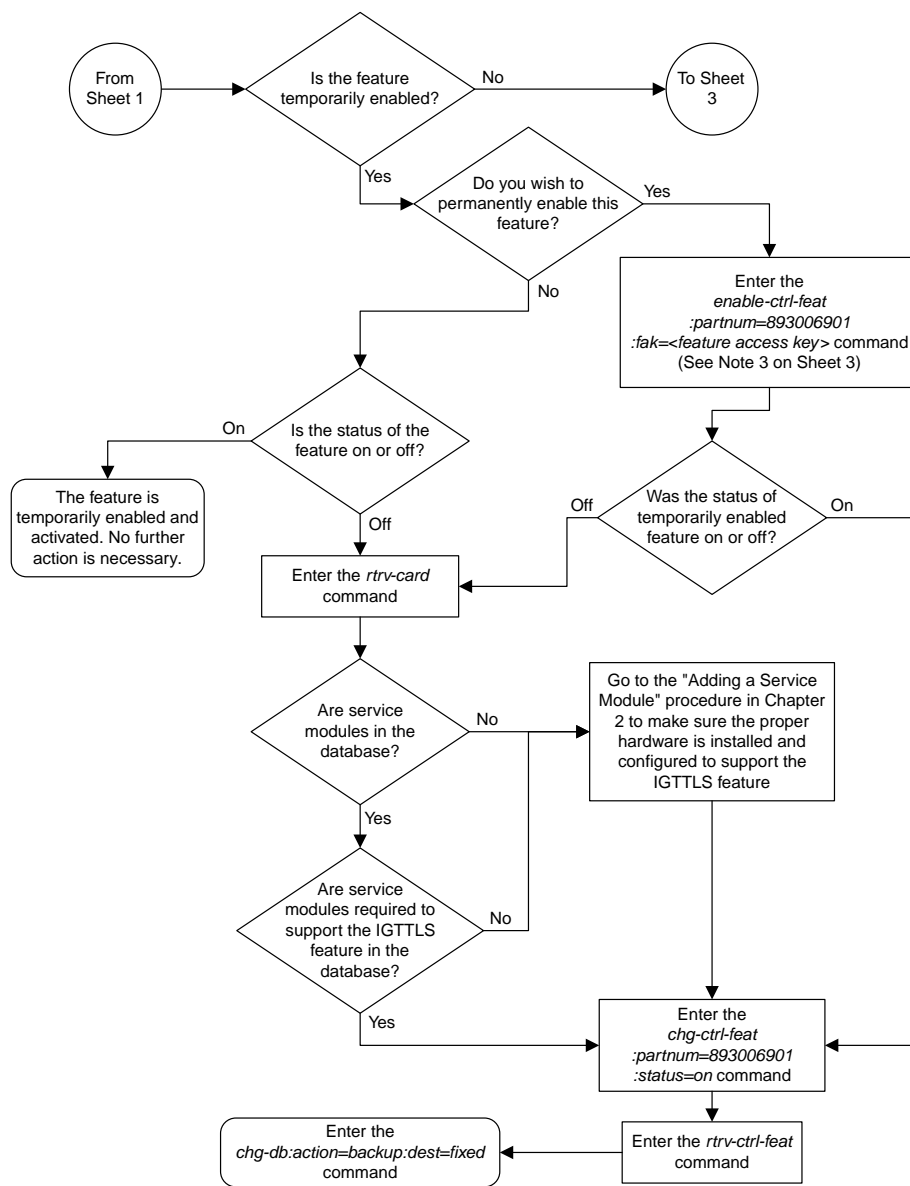


## Changing the MTP-Routed GTT Options



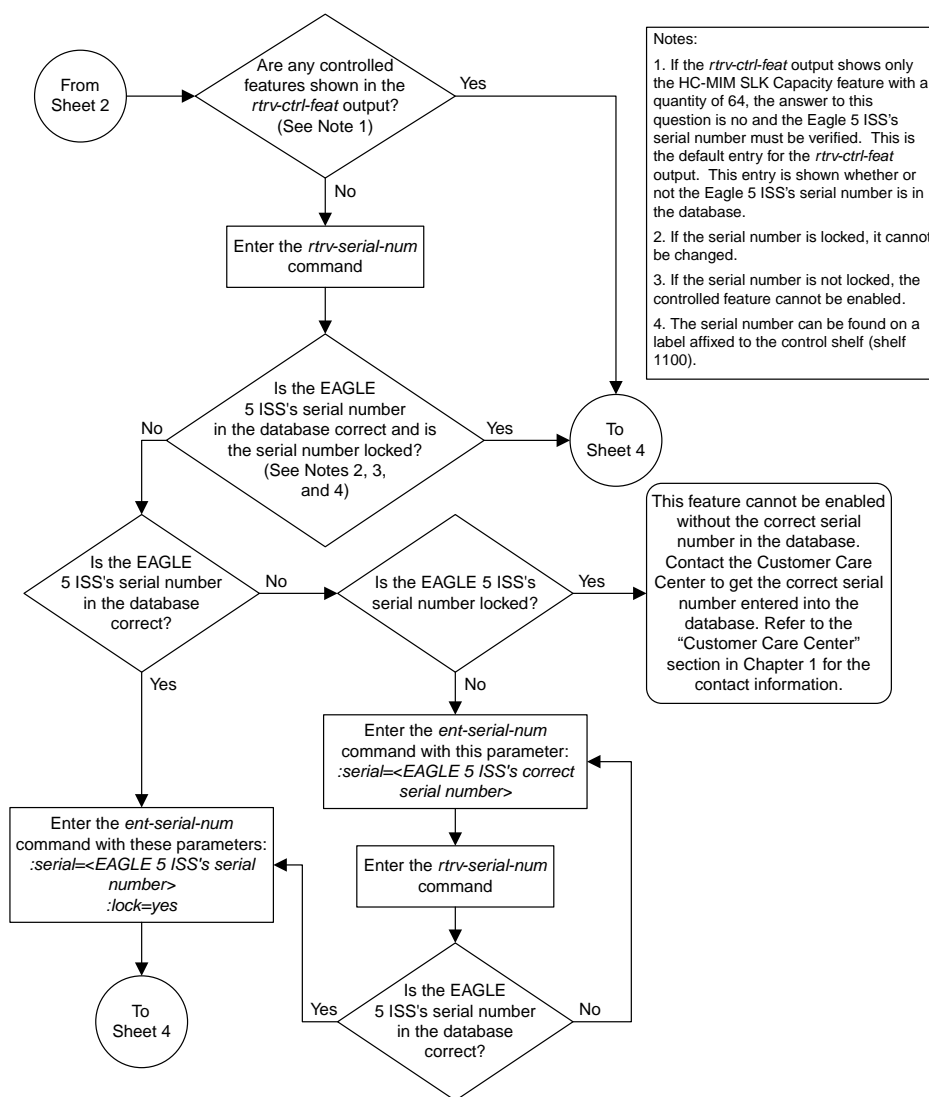
## Activating the IGTTLS feature



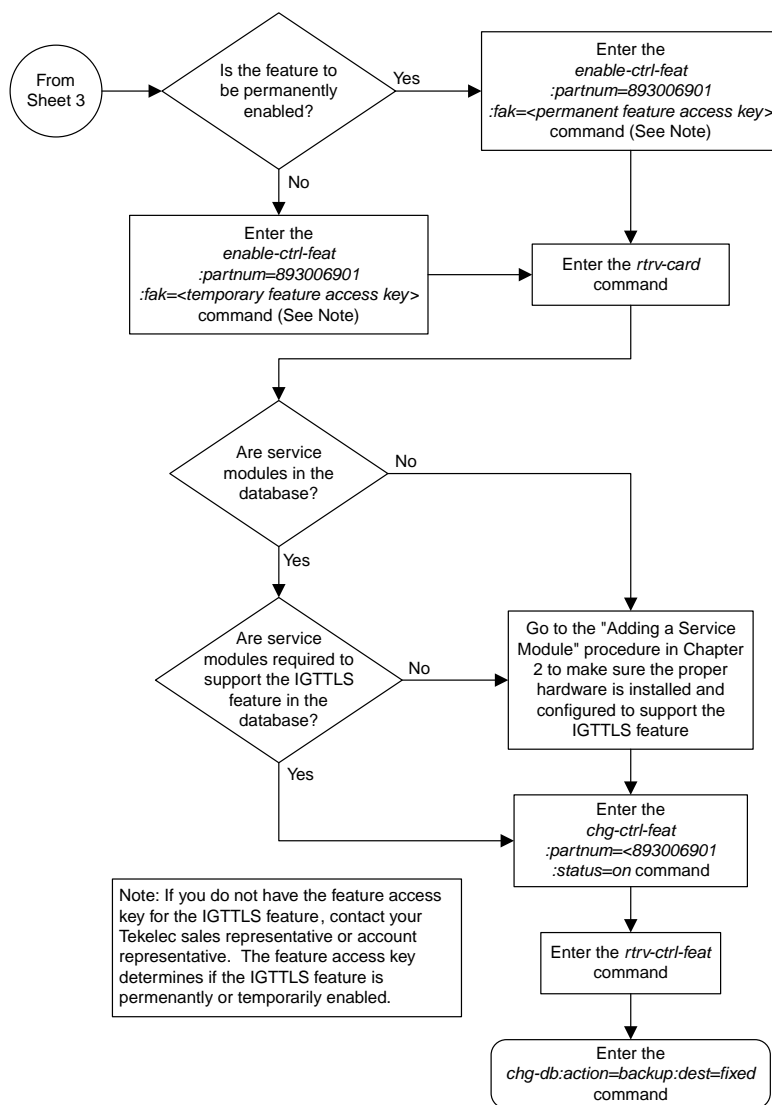


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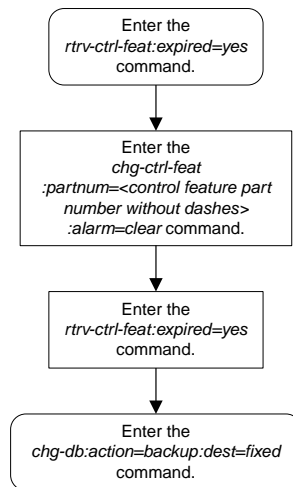




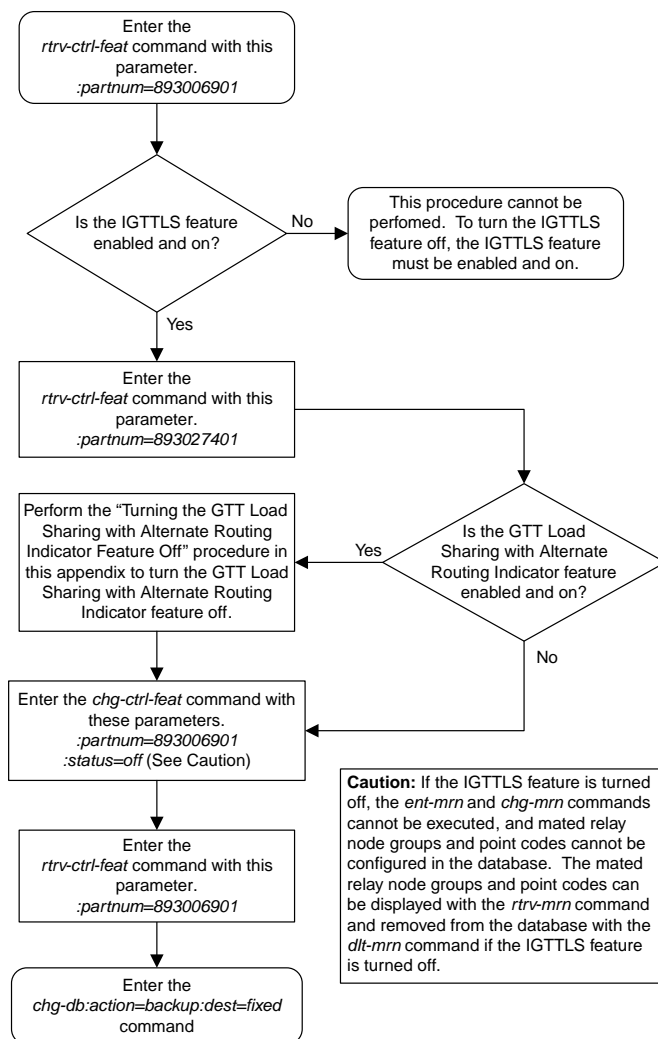
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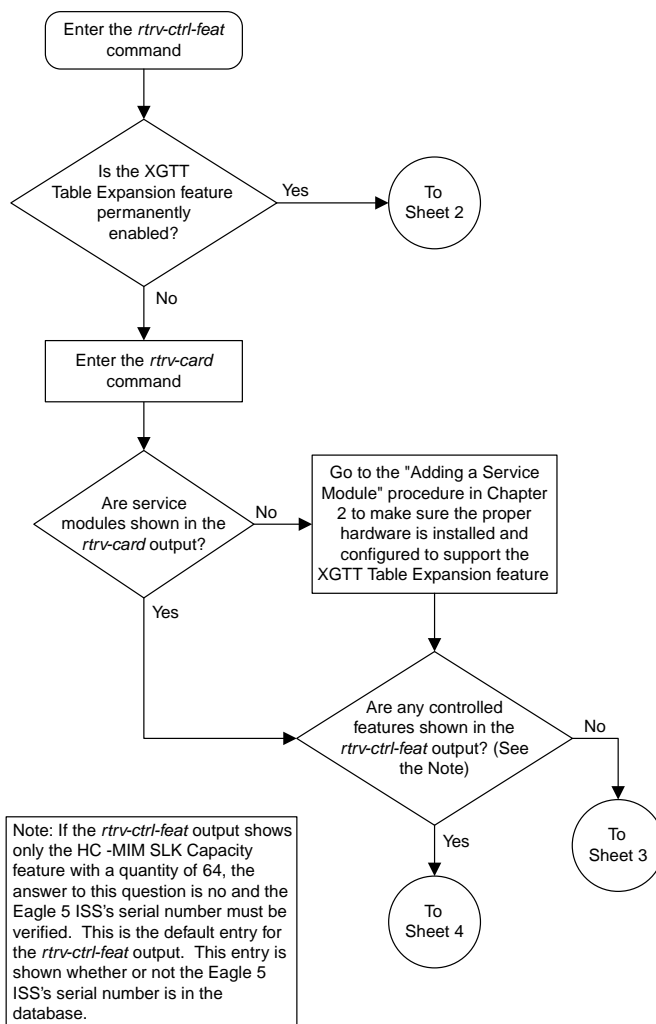
## Clearing a Temporary FAK Alarm



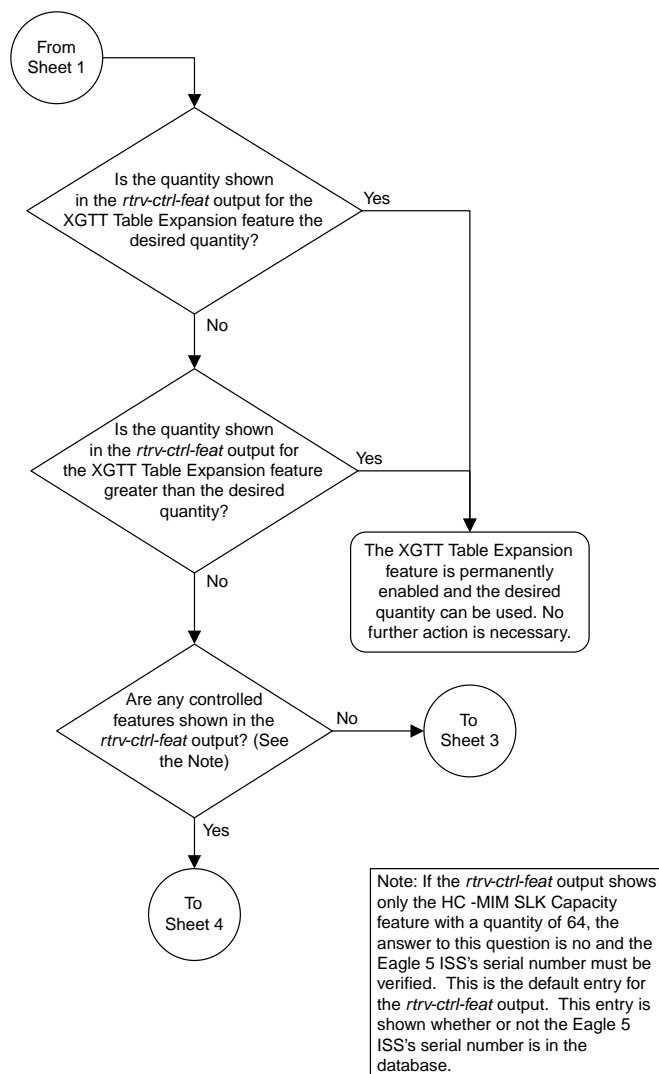
## Turning the IGTTLS Feature Off



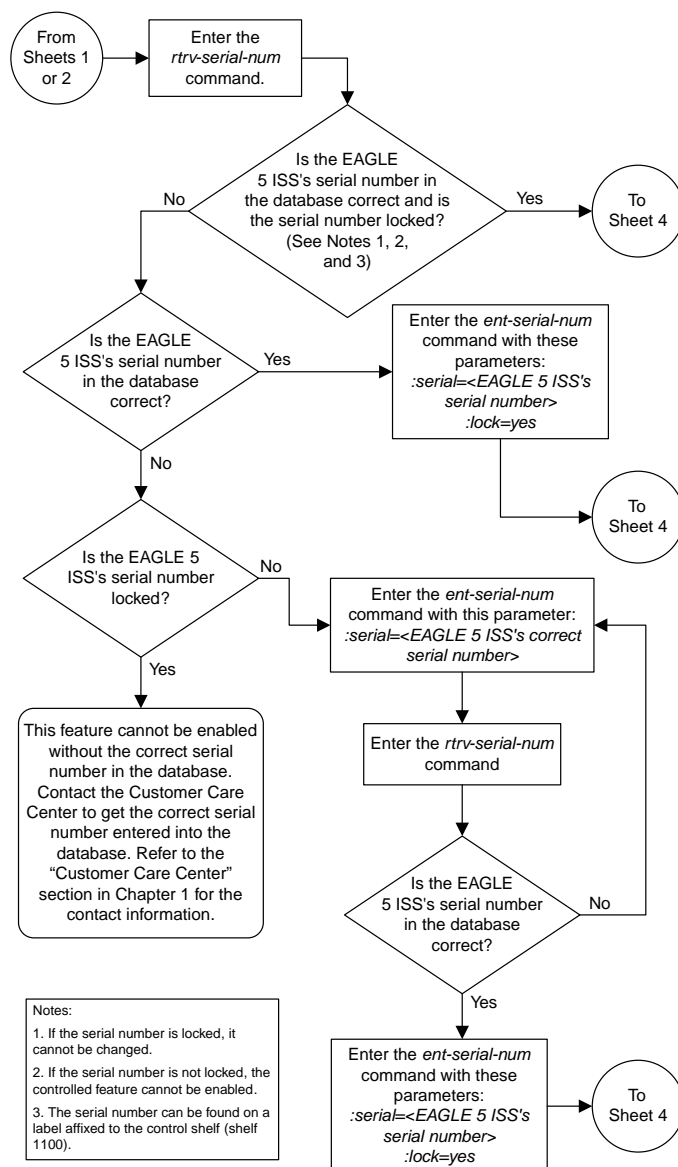
## Enabling the XGTT Table Expansion Feature



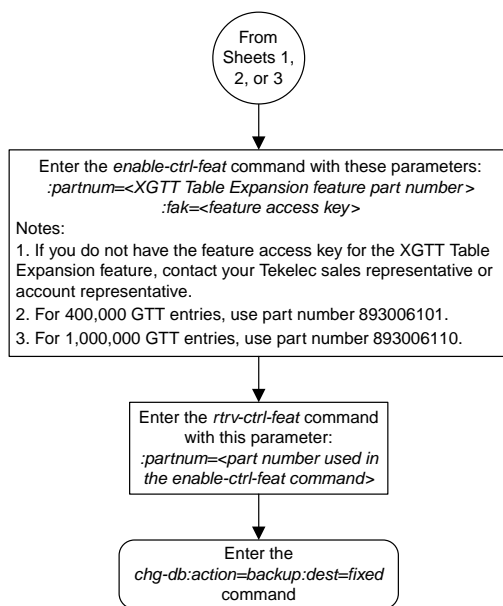
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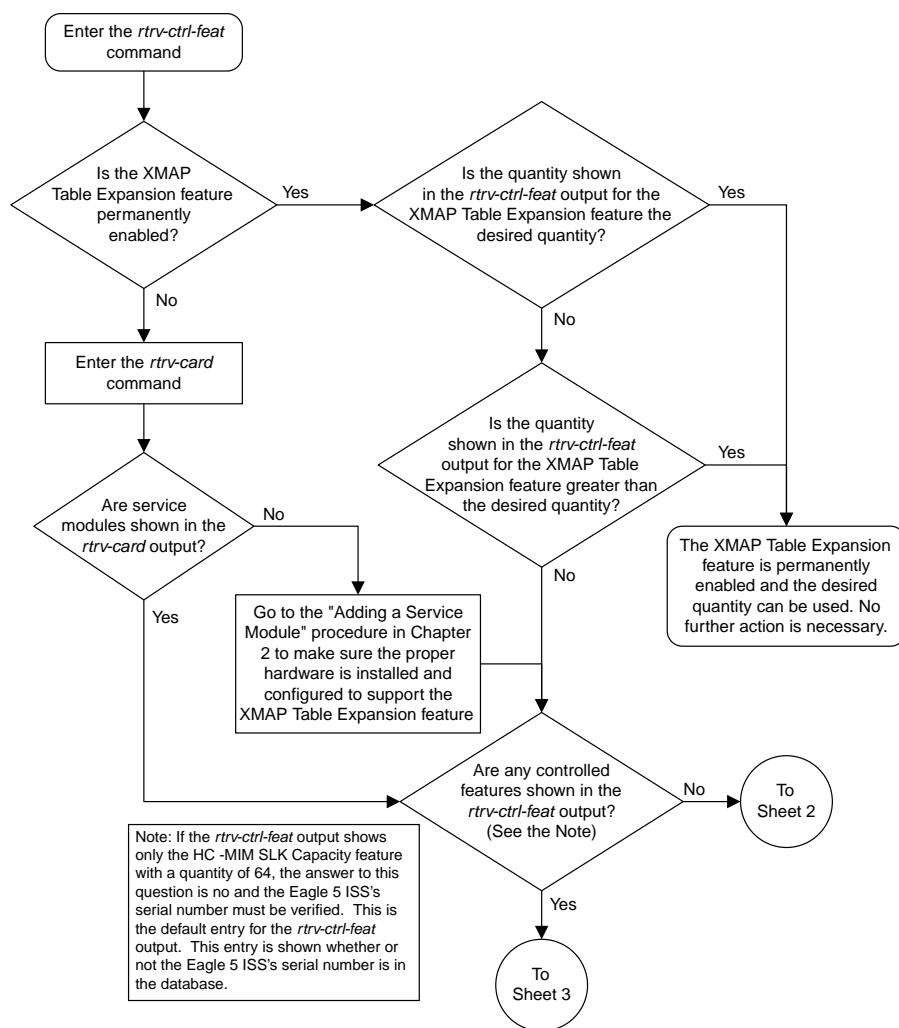


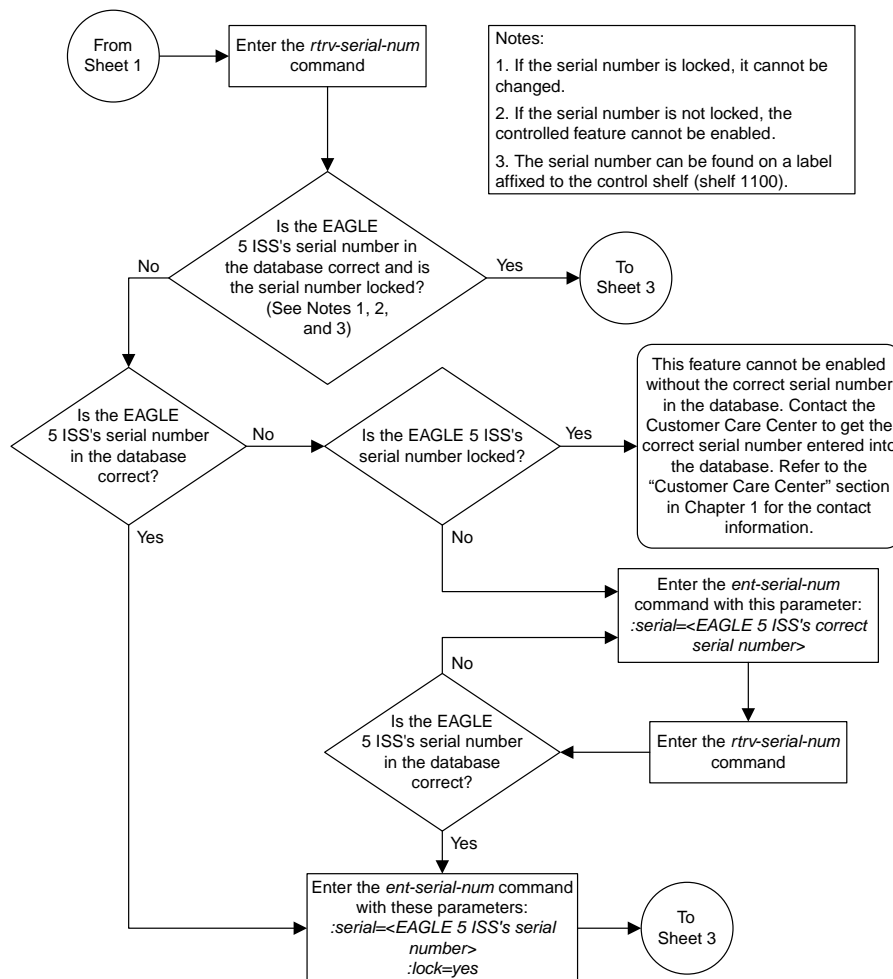
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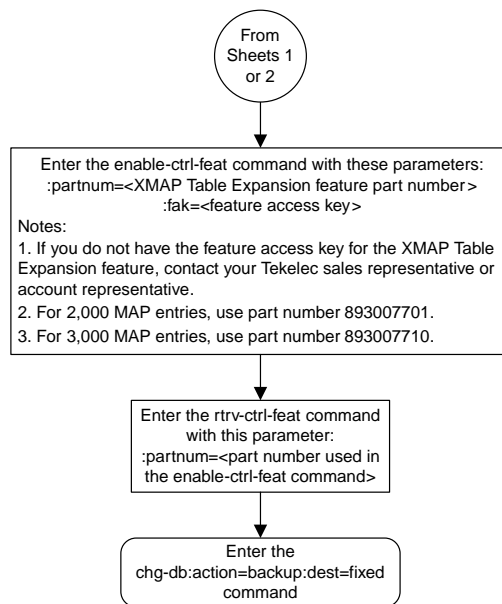




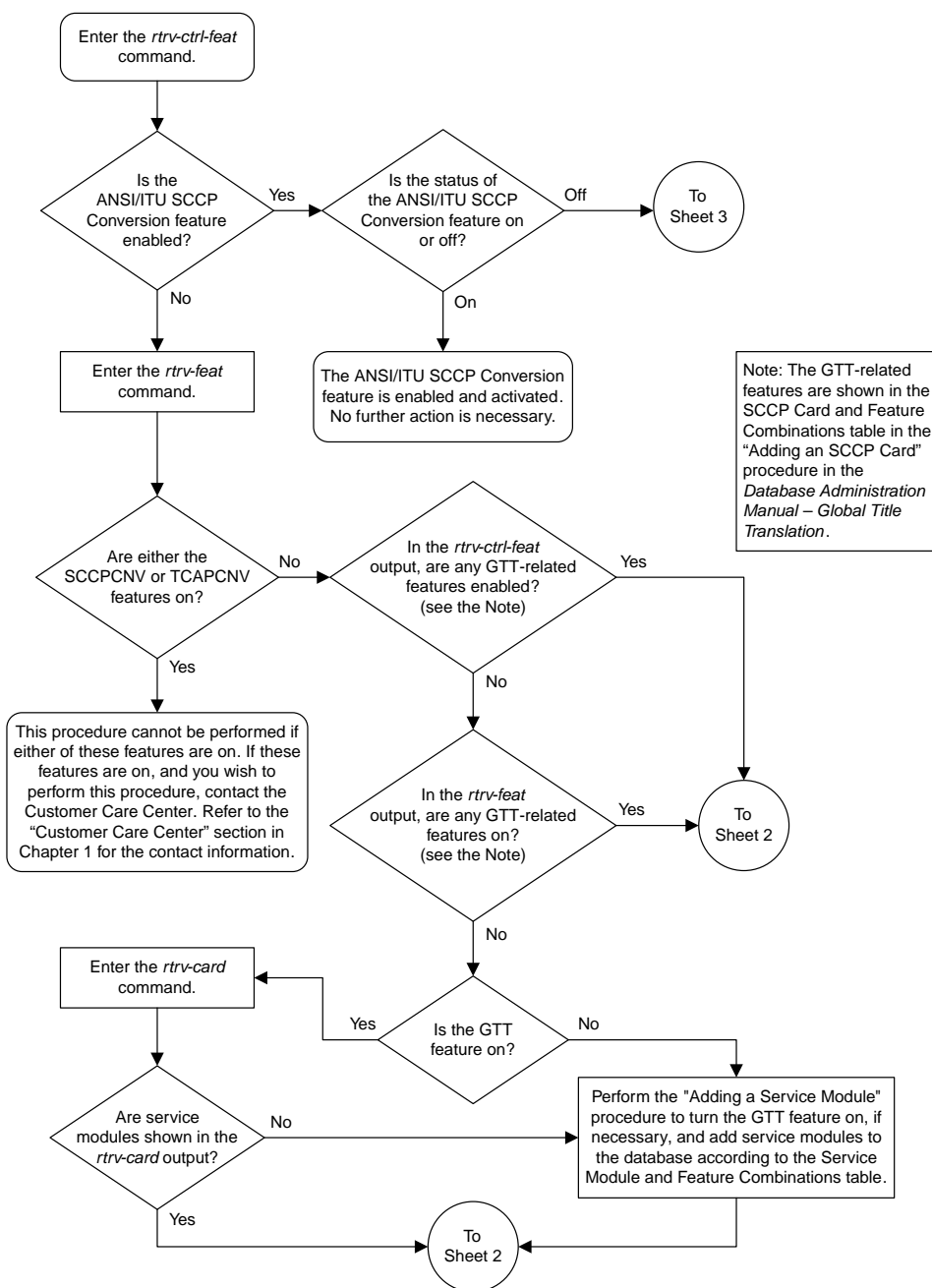
## Enabling the XMAP Table Expansion Feature



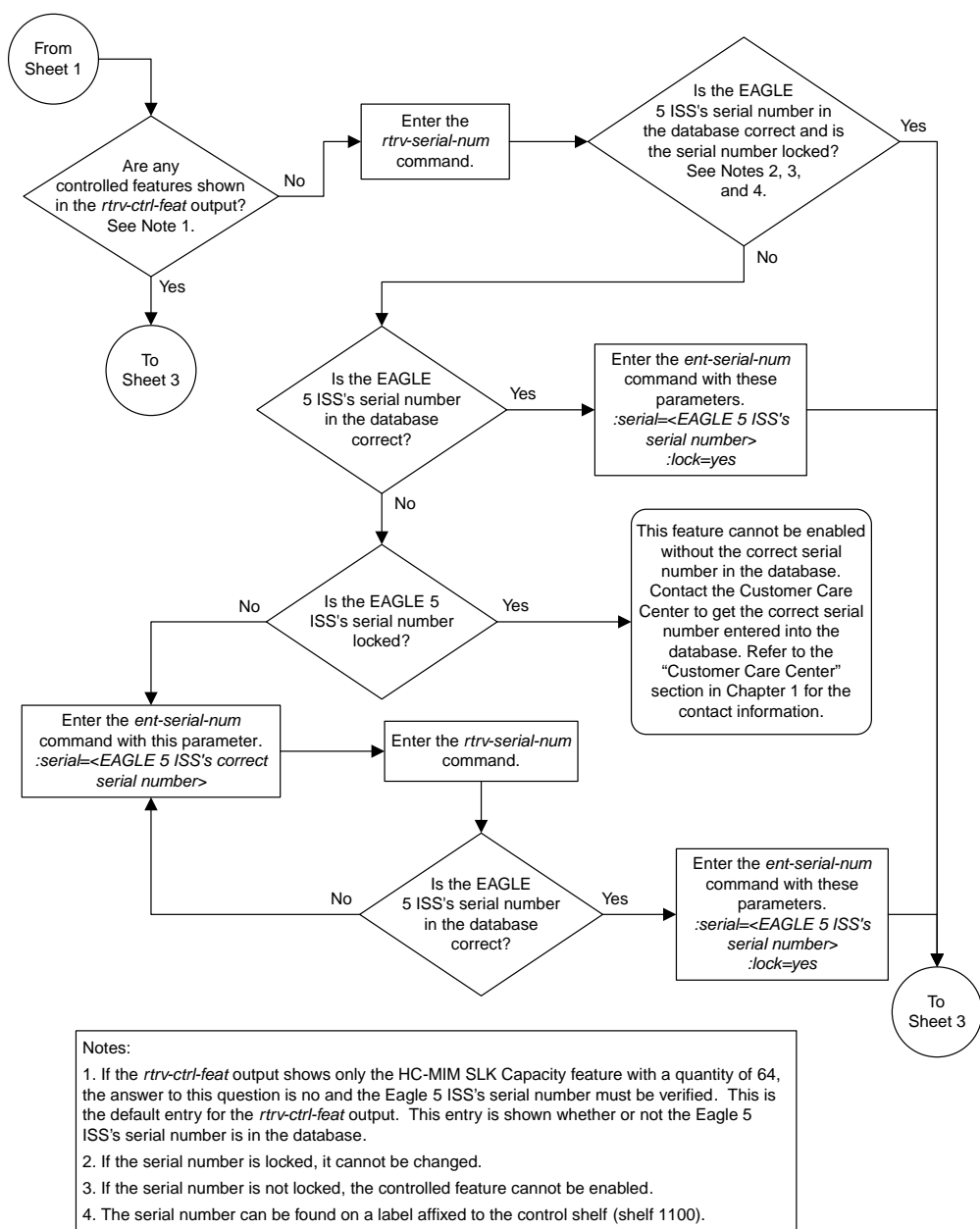


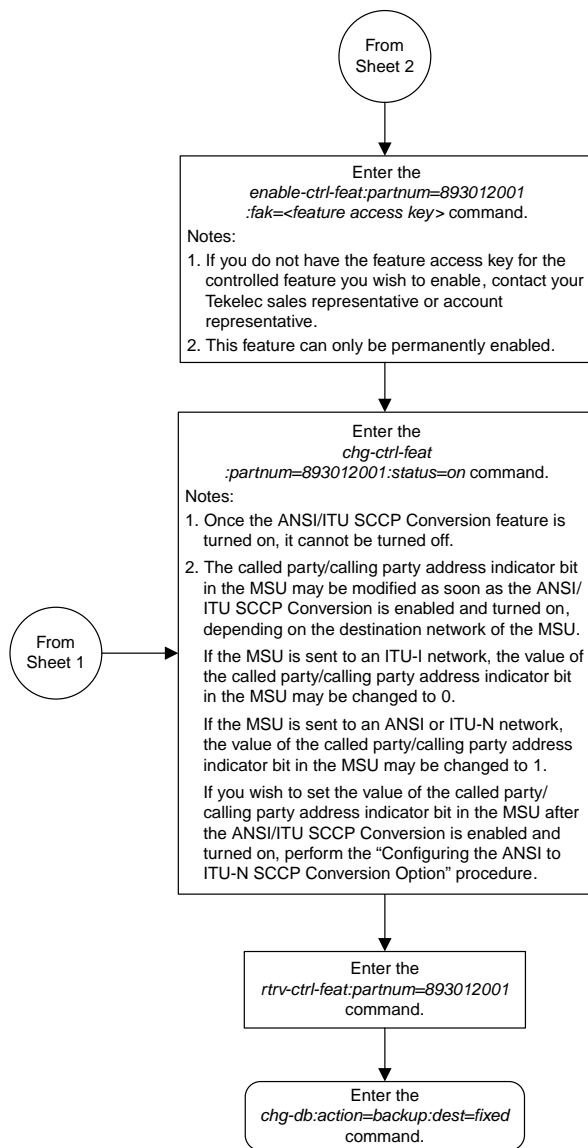


## Activating the ANSI/ITU SCCP Conversion Feature

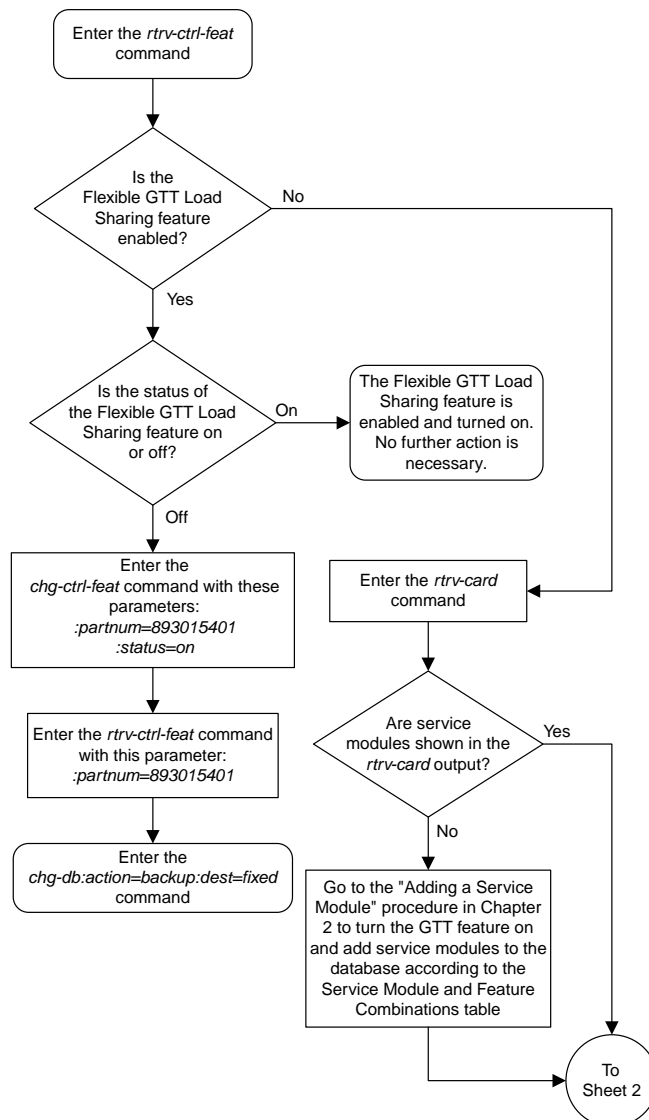


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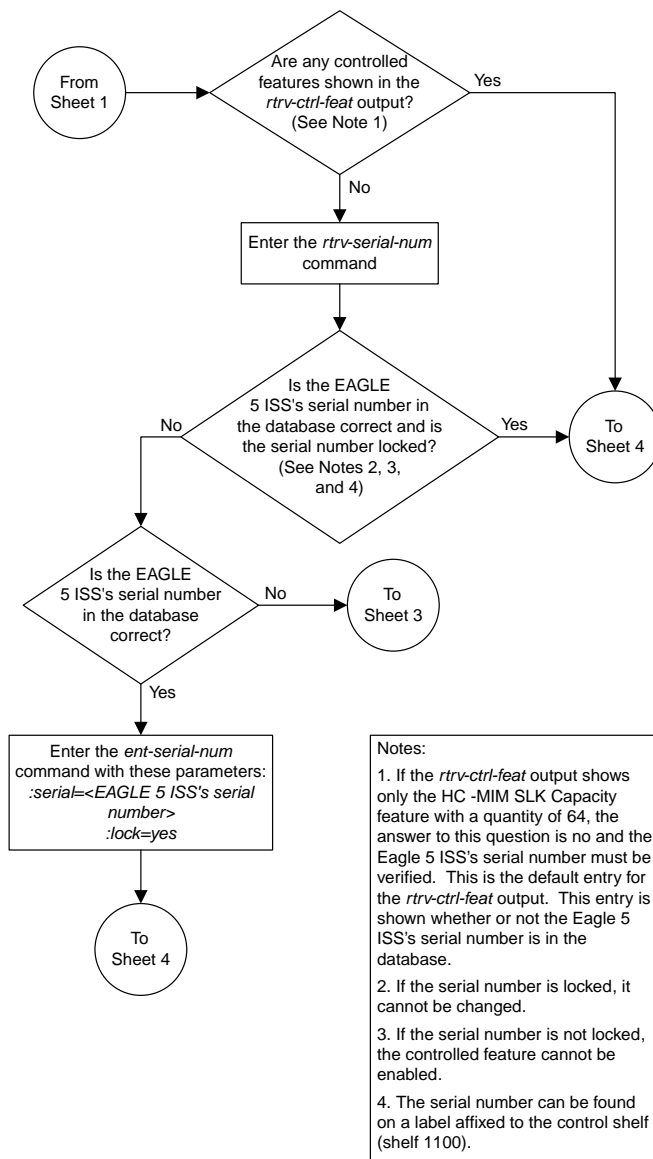




## Activating the Flexible GTT Load Sharing Feature

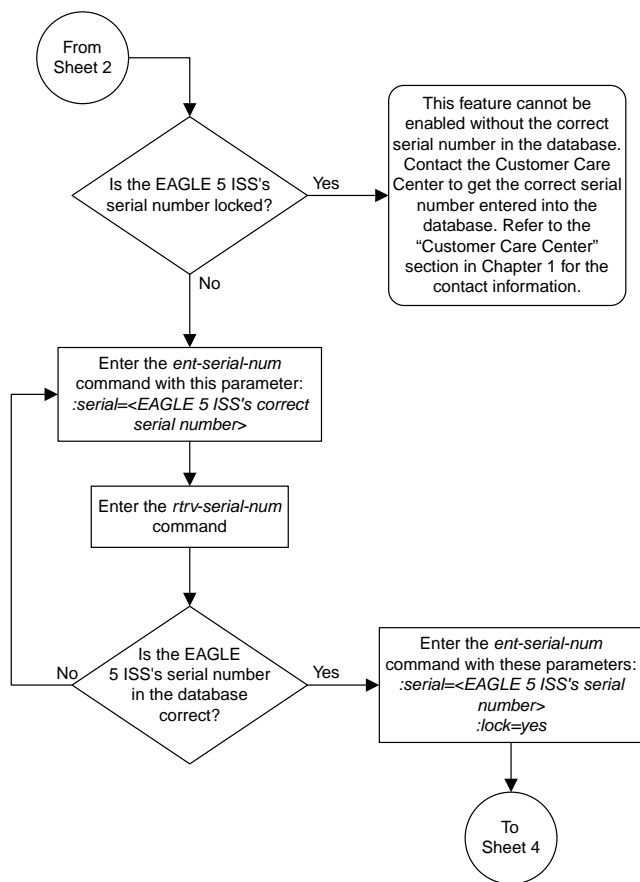


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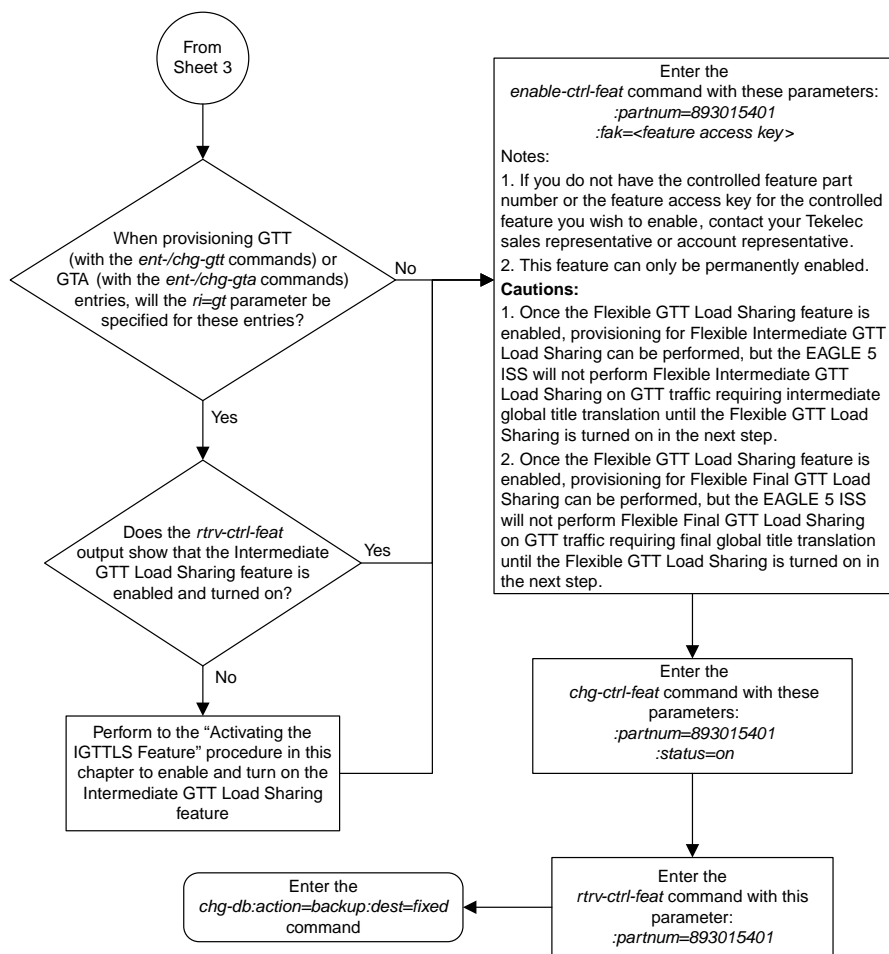


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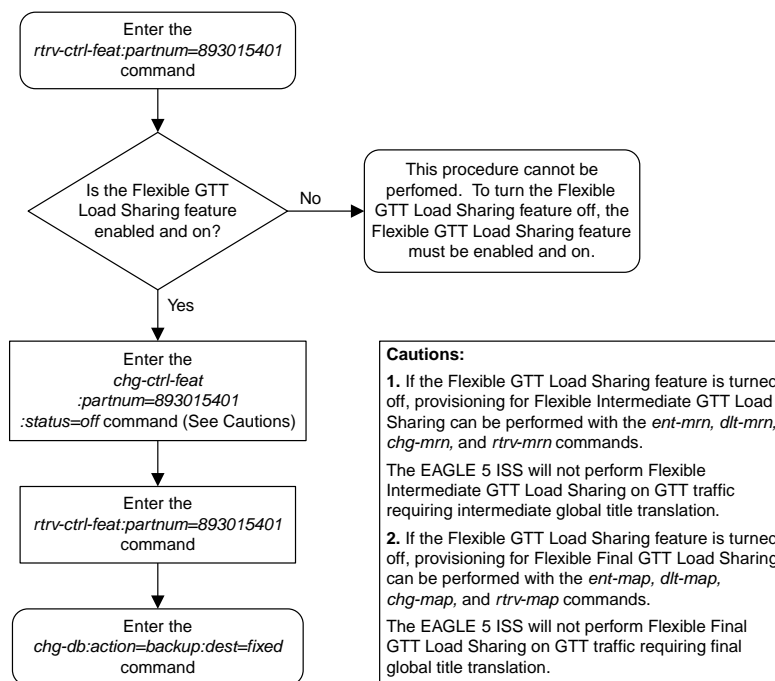




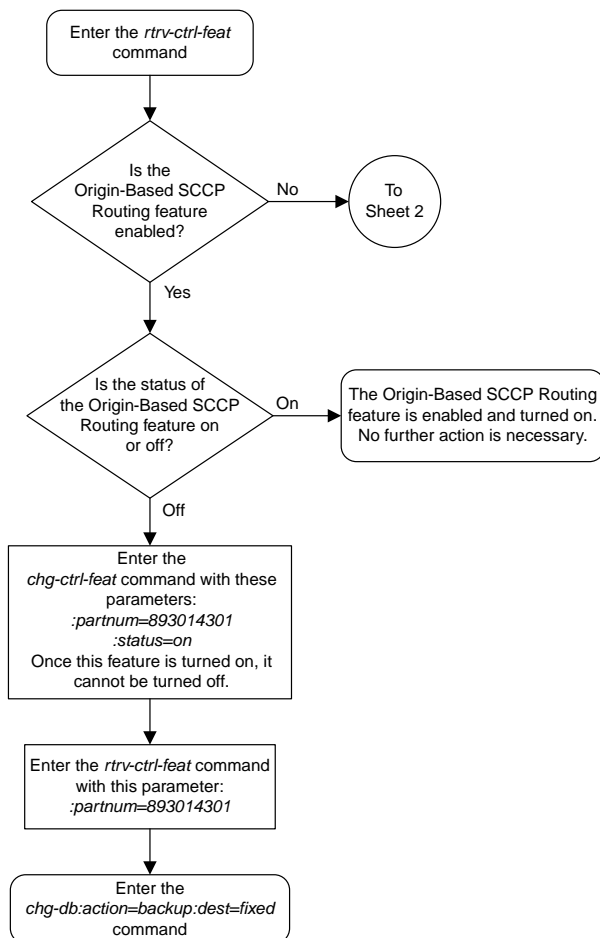
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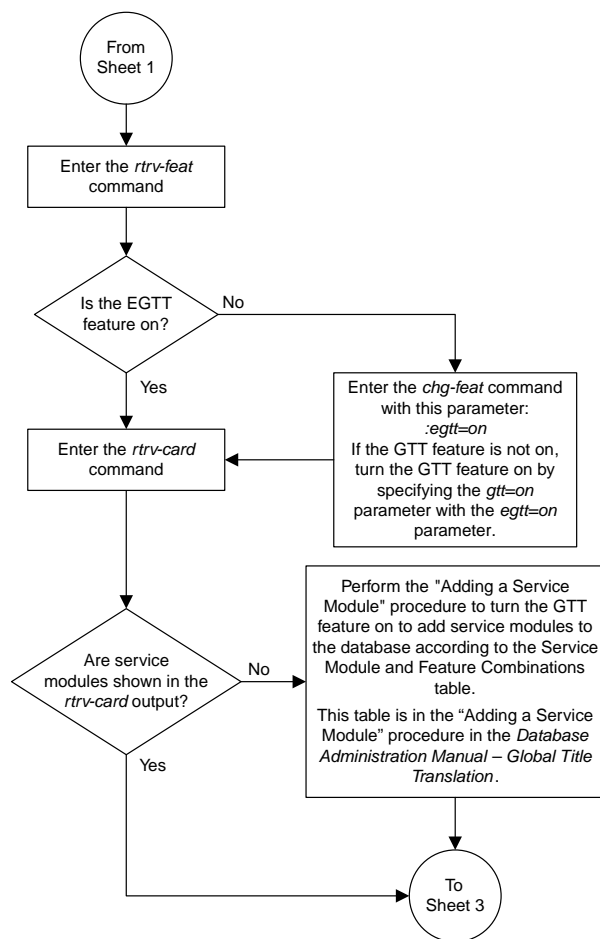
## Turning the Flexible GTT Load Sharing Feature Off



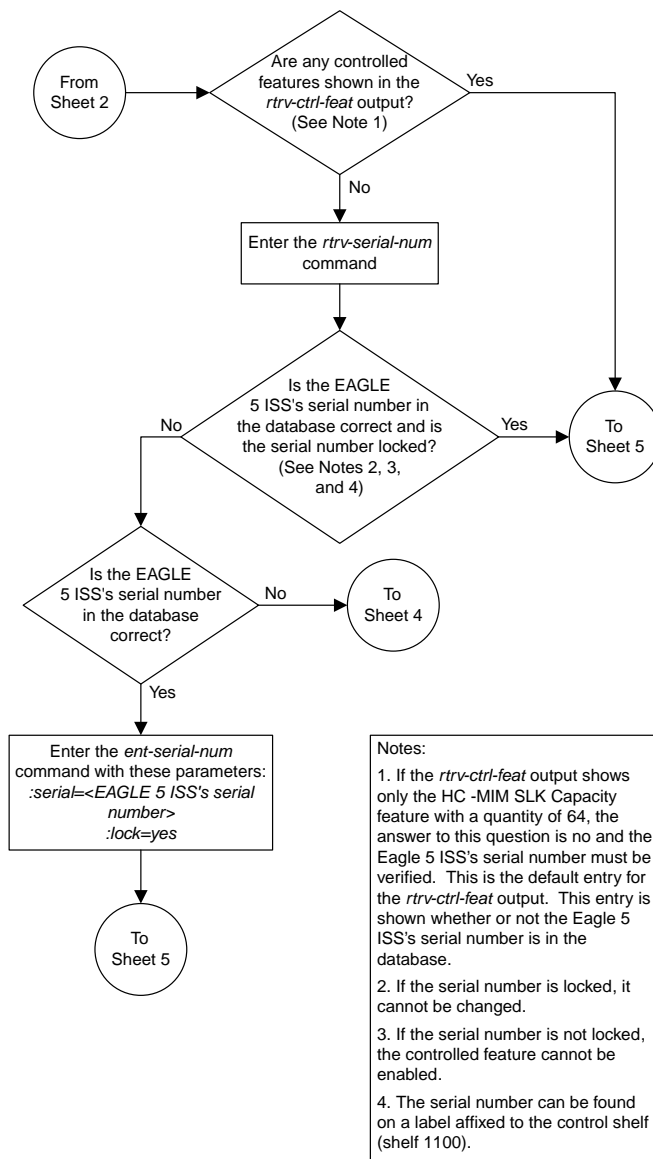
## Activating the Origin-Based SCCP Routing Feature



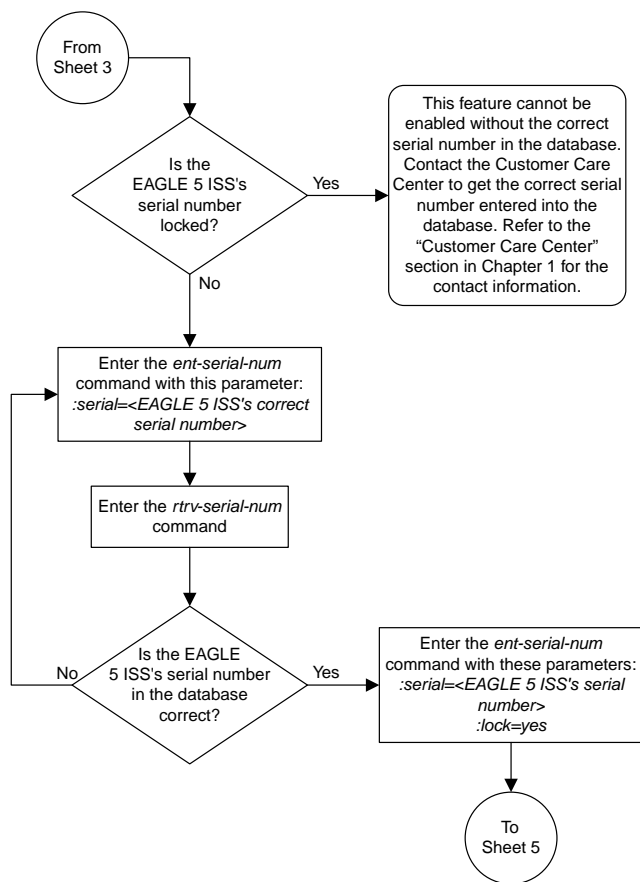
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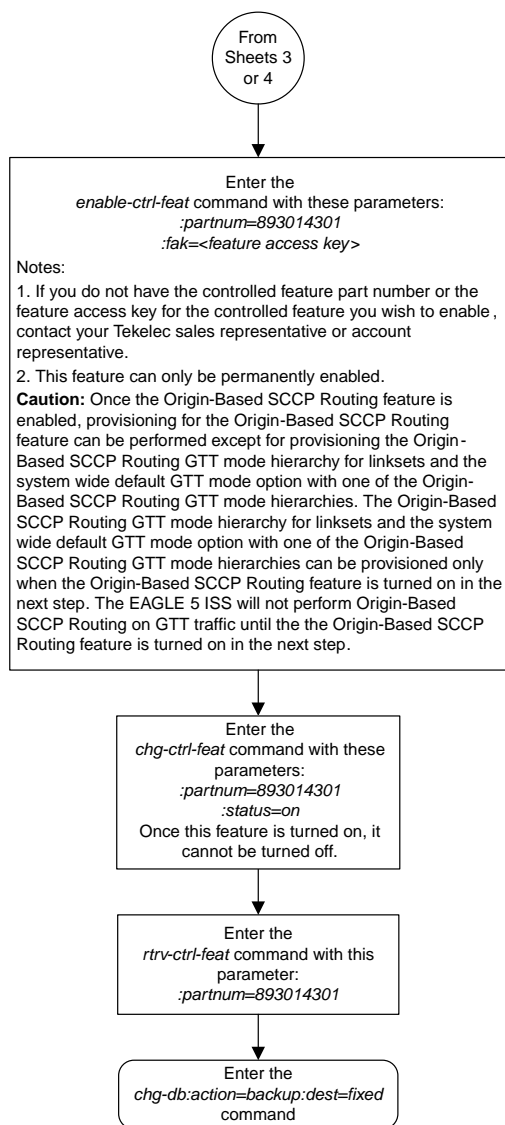
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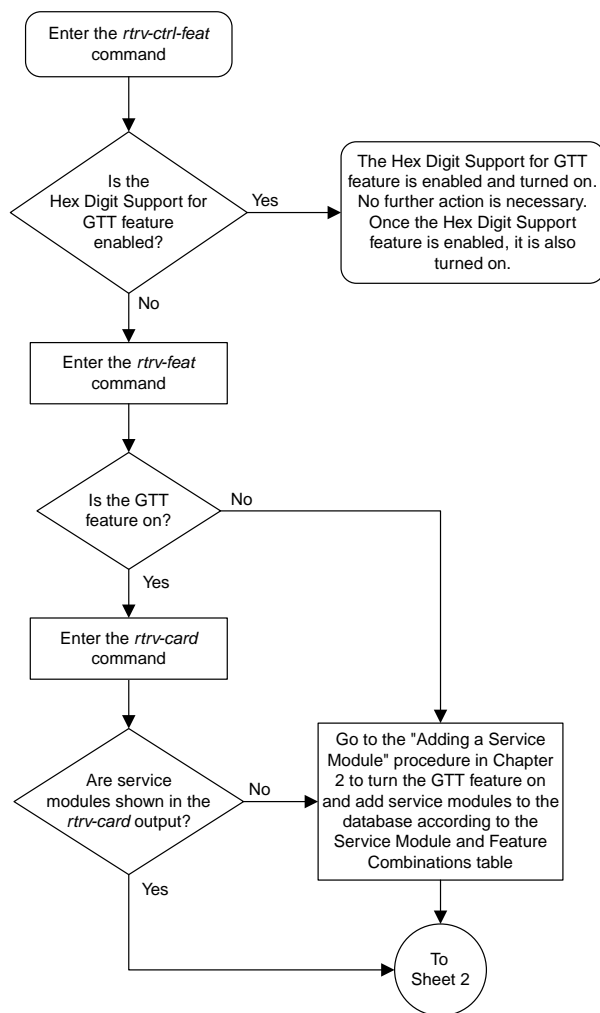


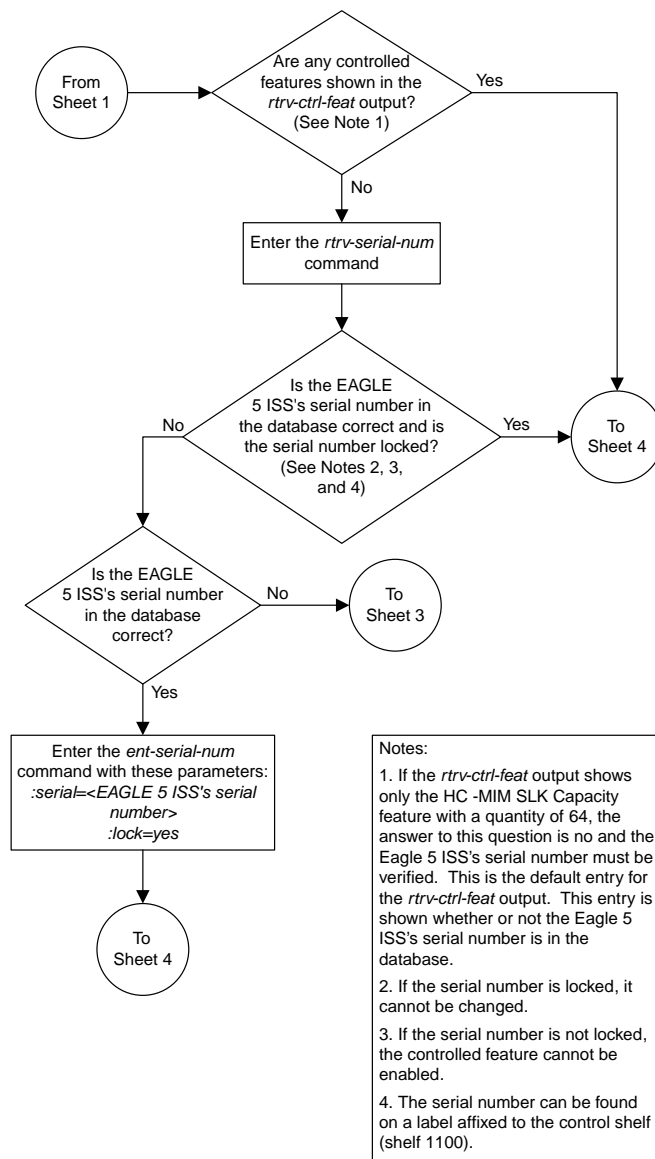
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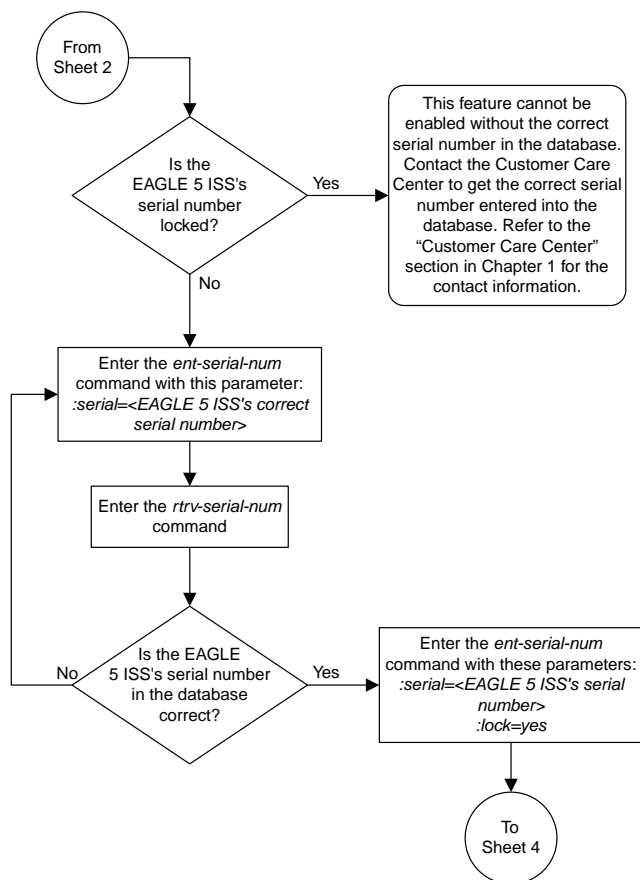


## Activating the Hex Digit Support for GTT Feature

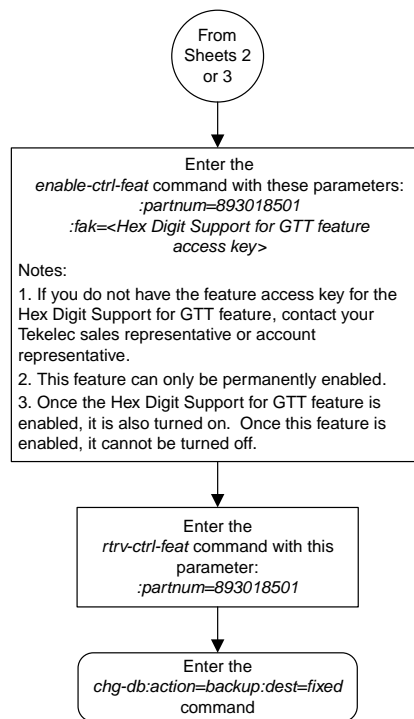




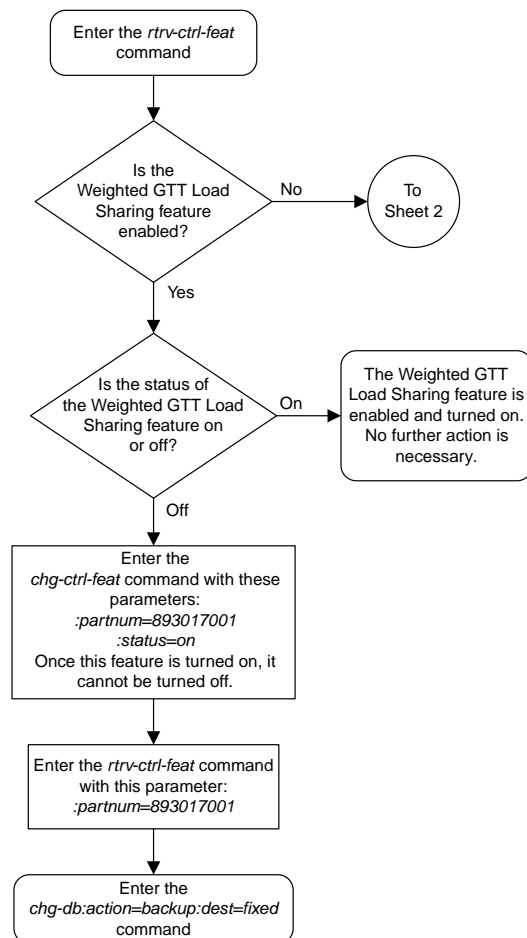
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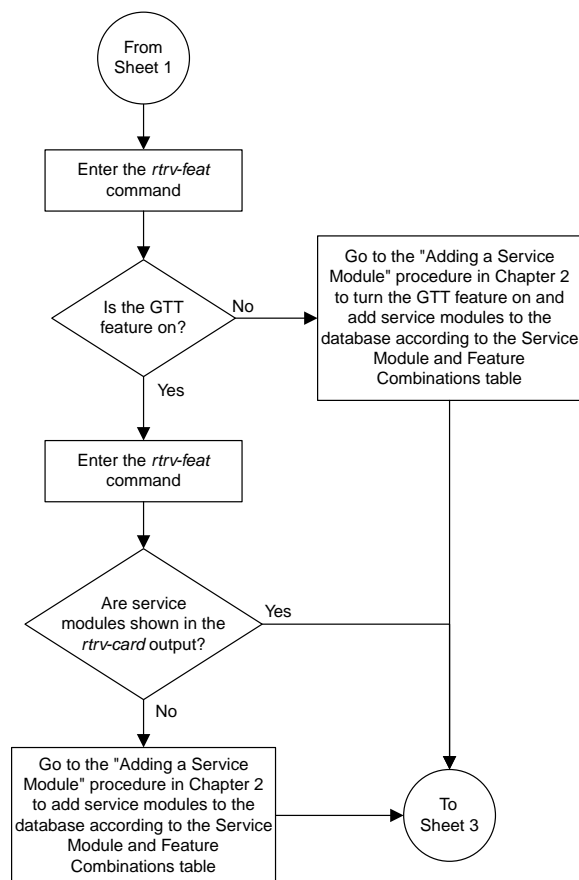
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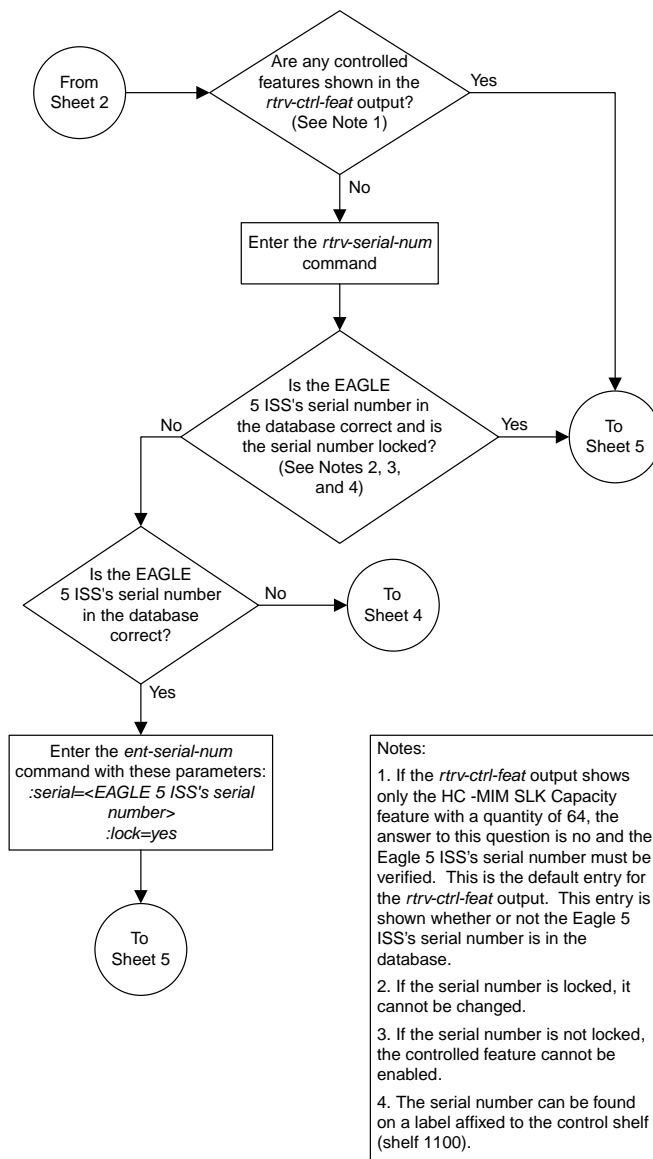
## Activating the Weighted GTT Load Sharing Feature



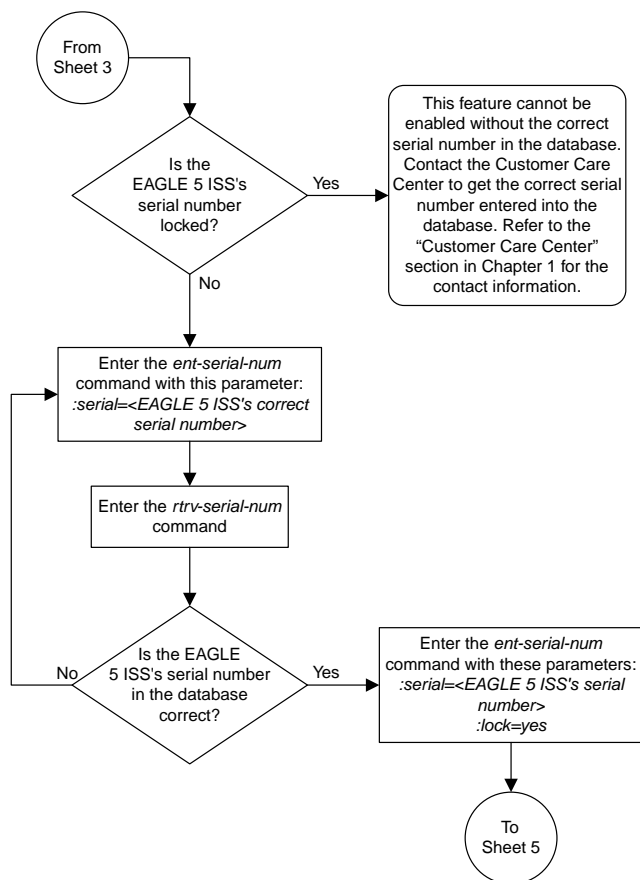
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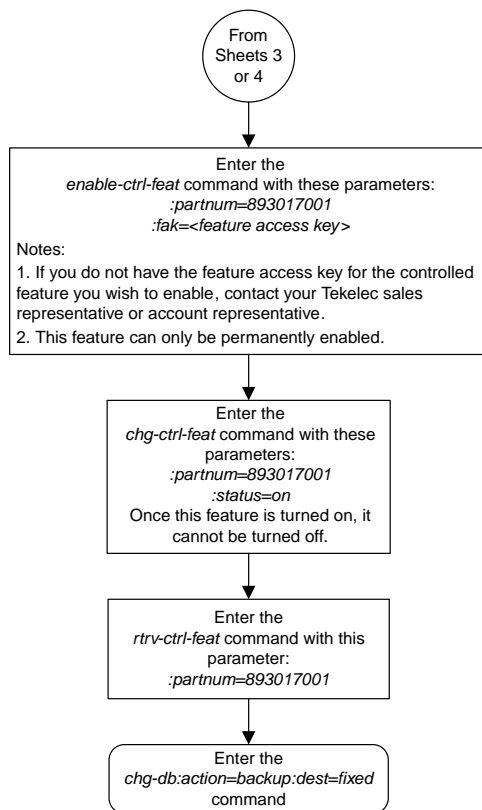


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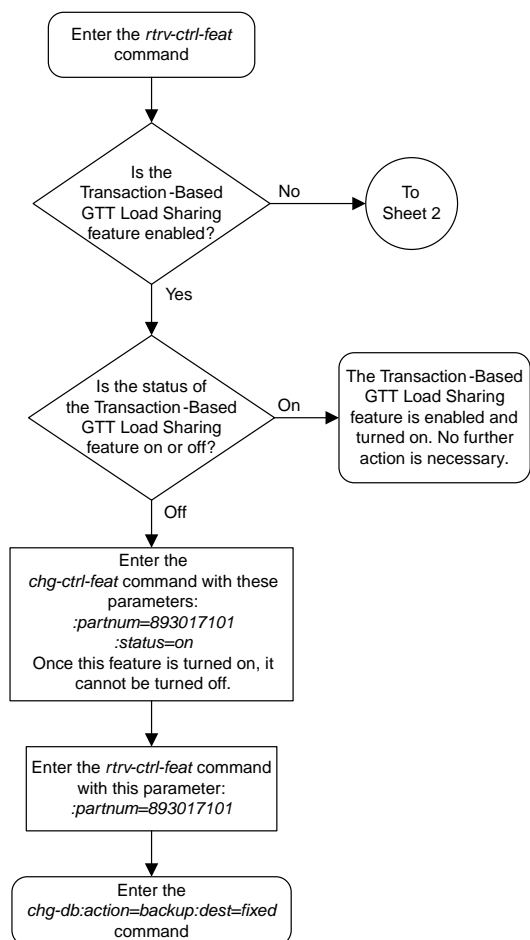


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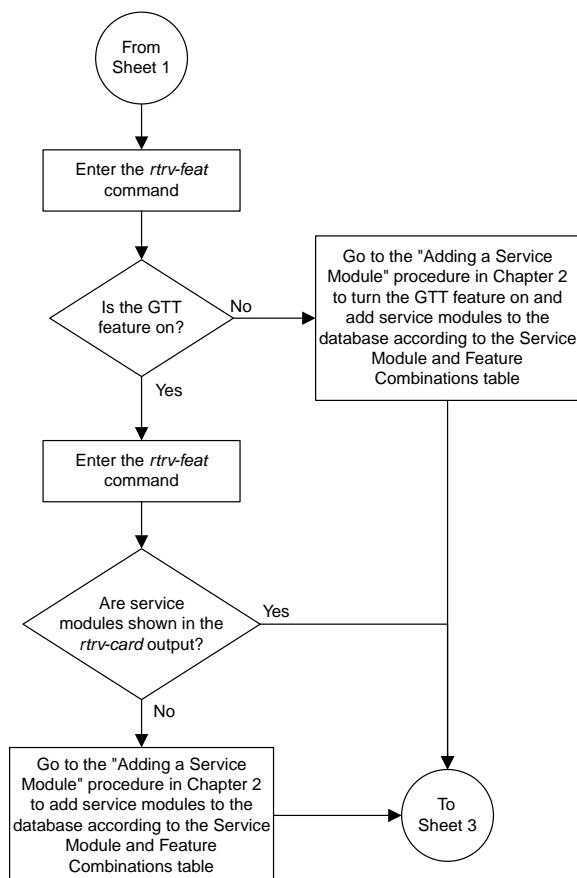




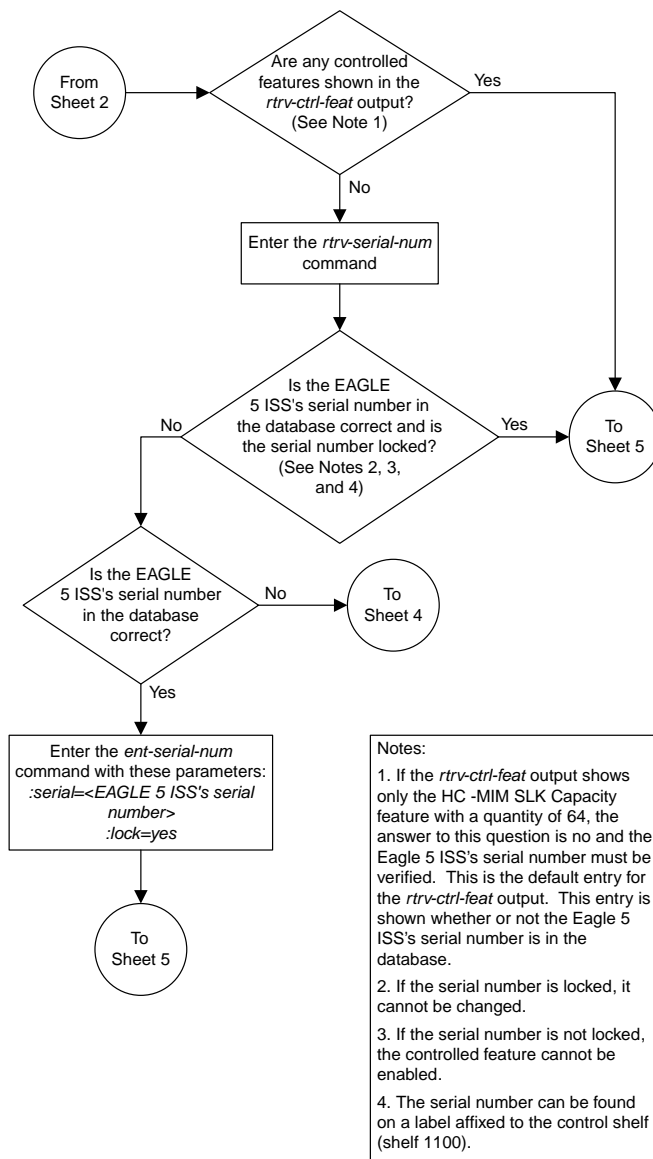
## Activating the Transaction-Based GTT Load Sharing Feature



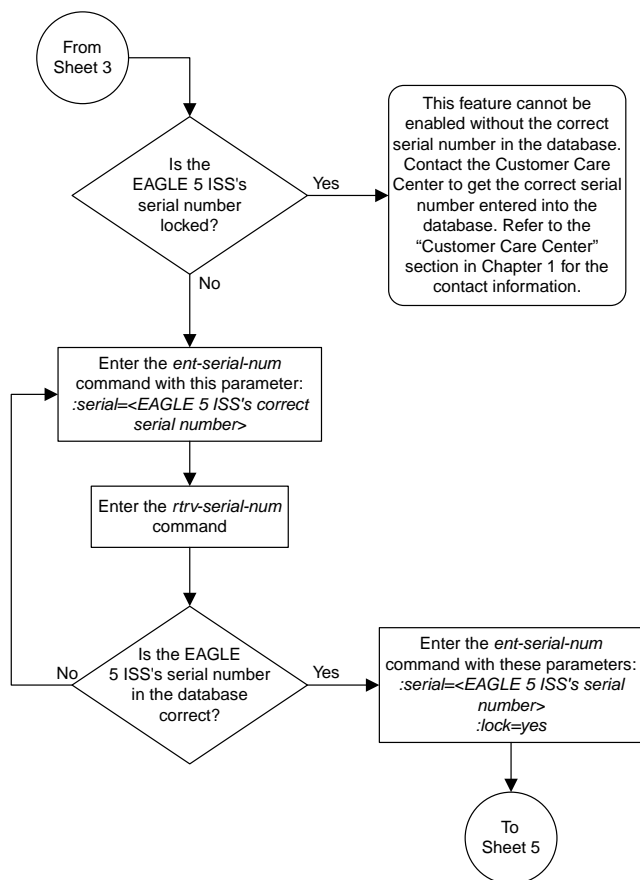
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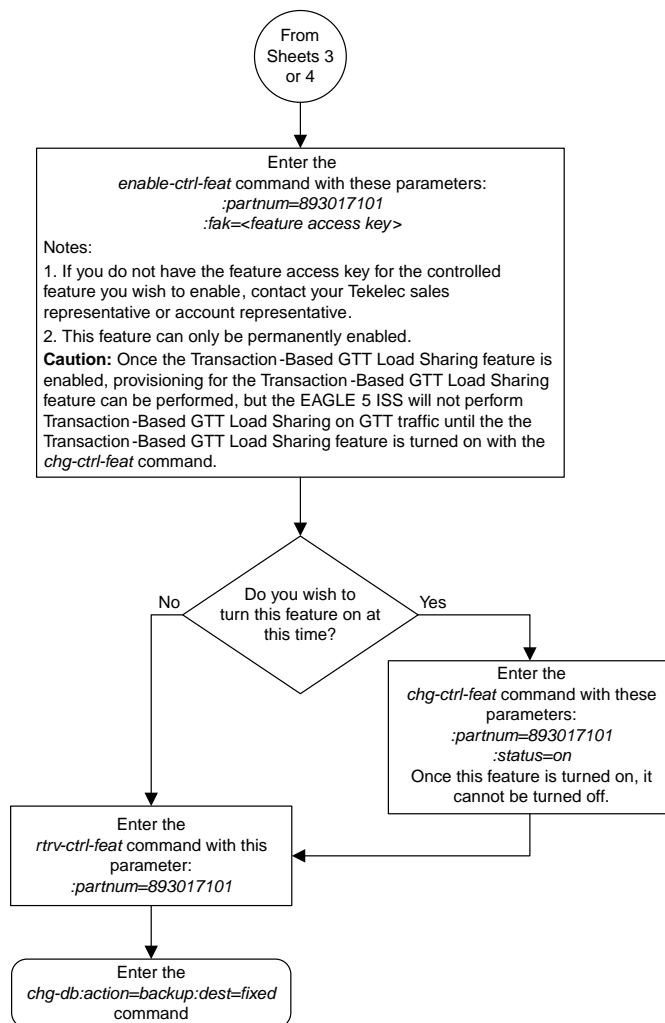
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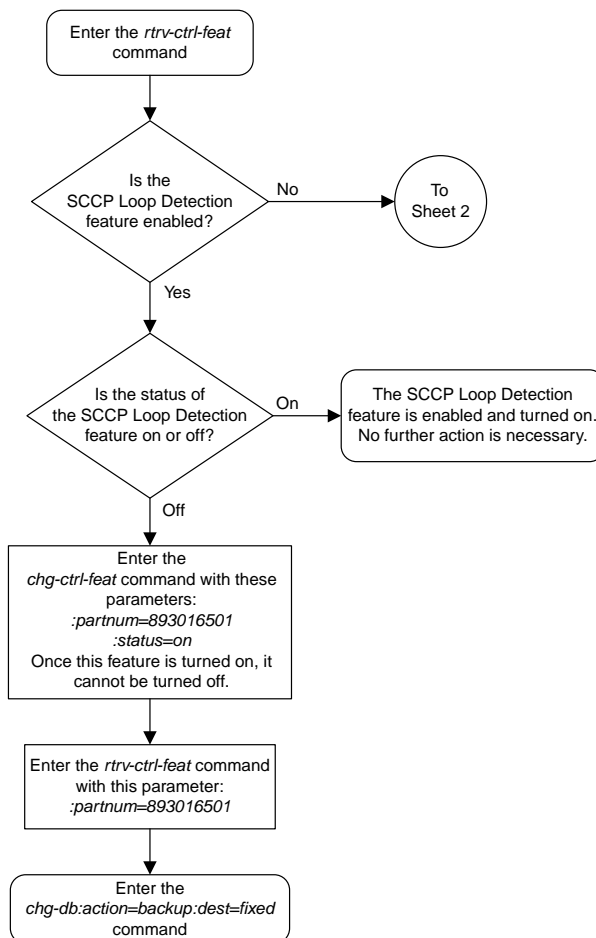
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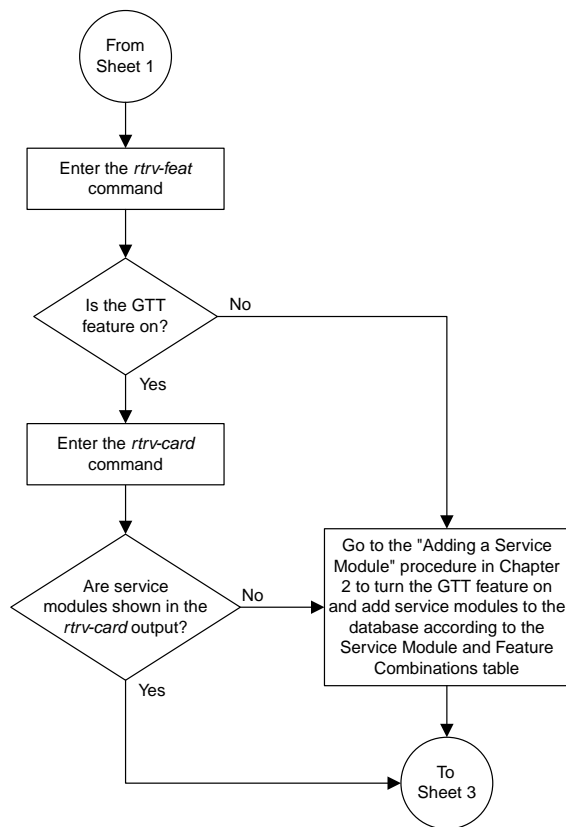
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## Activating the SCCP Loop Detection Feature

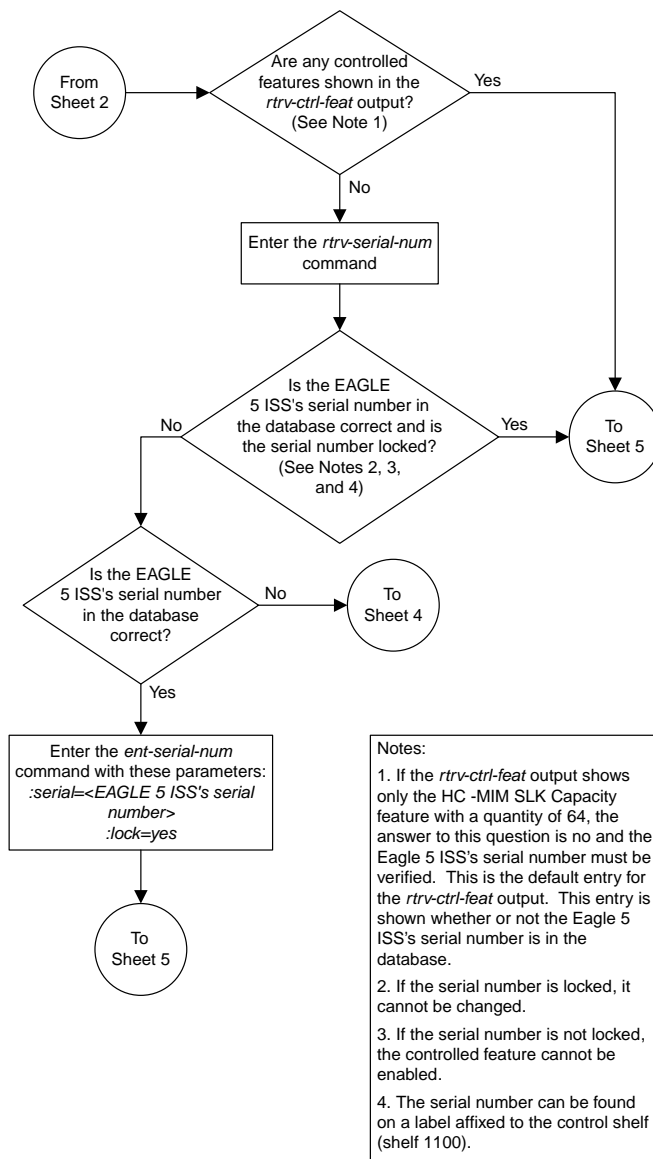


Sheet 1 of 5

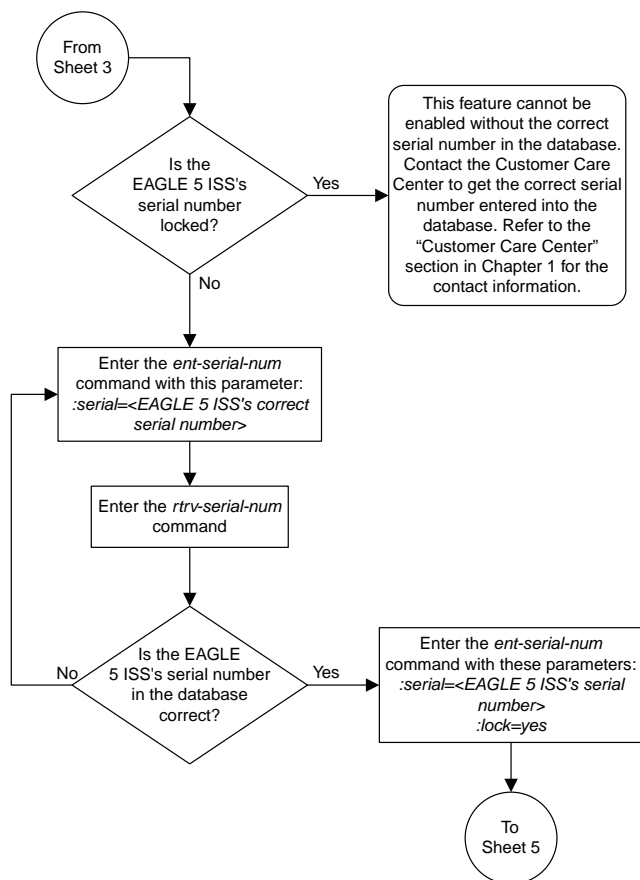


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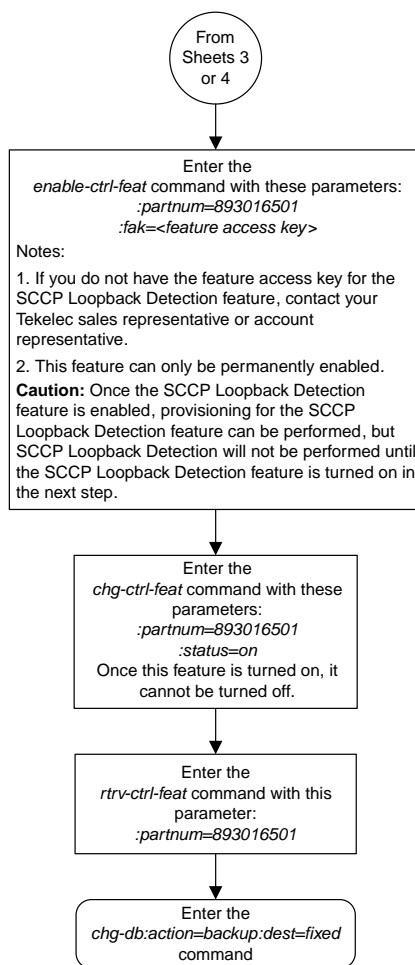




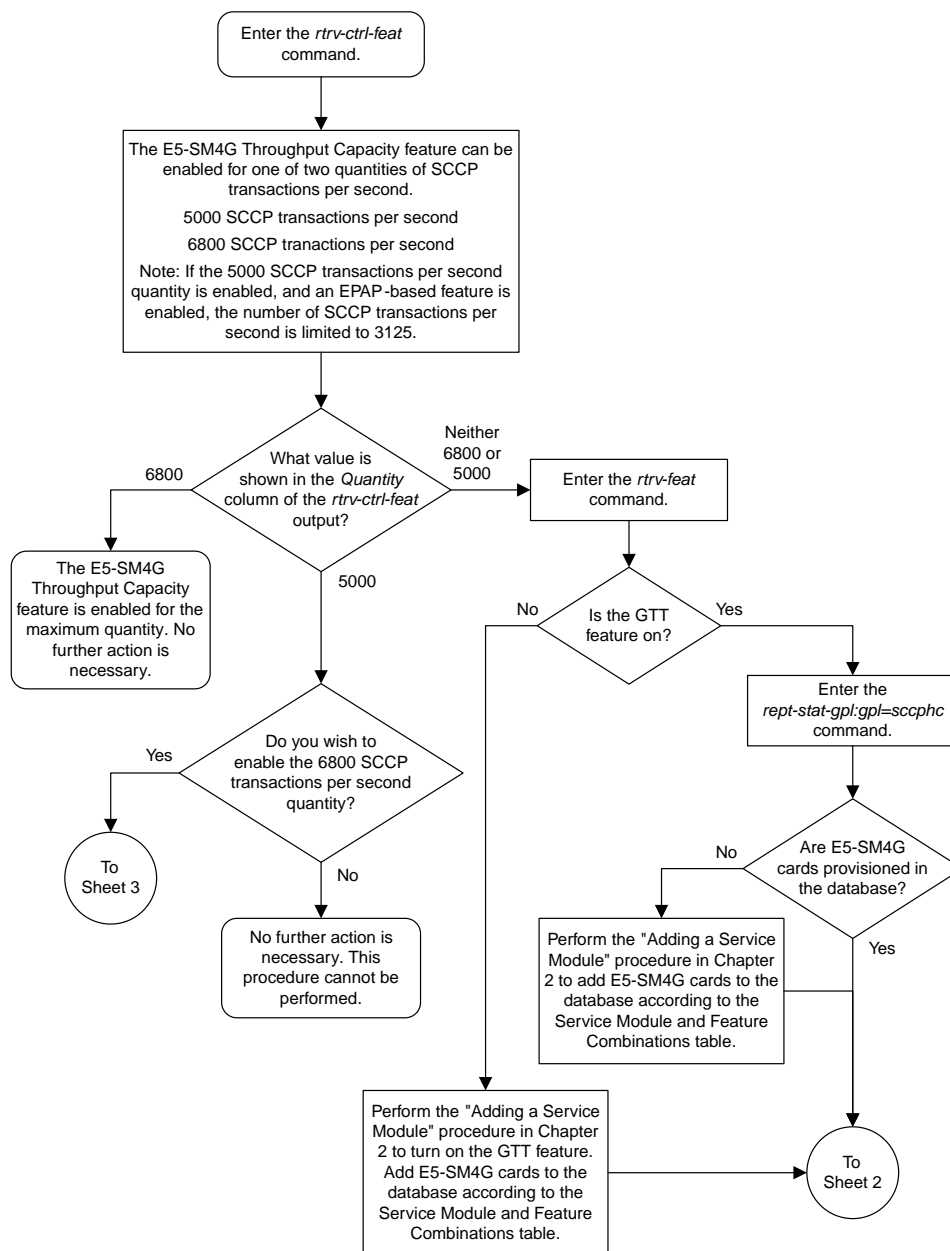
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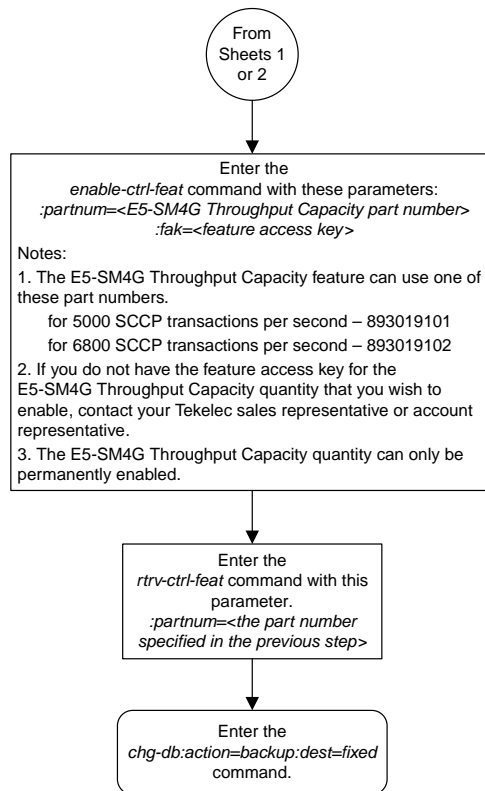


## Activating the E5-SM4G Throughput Capacity Feature

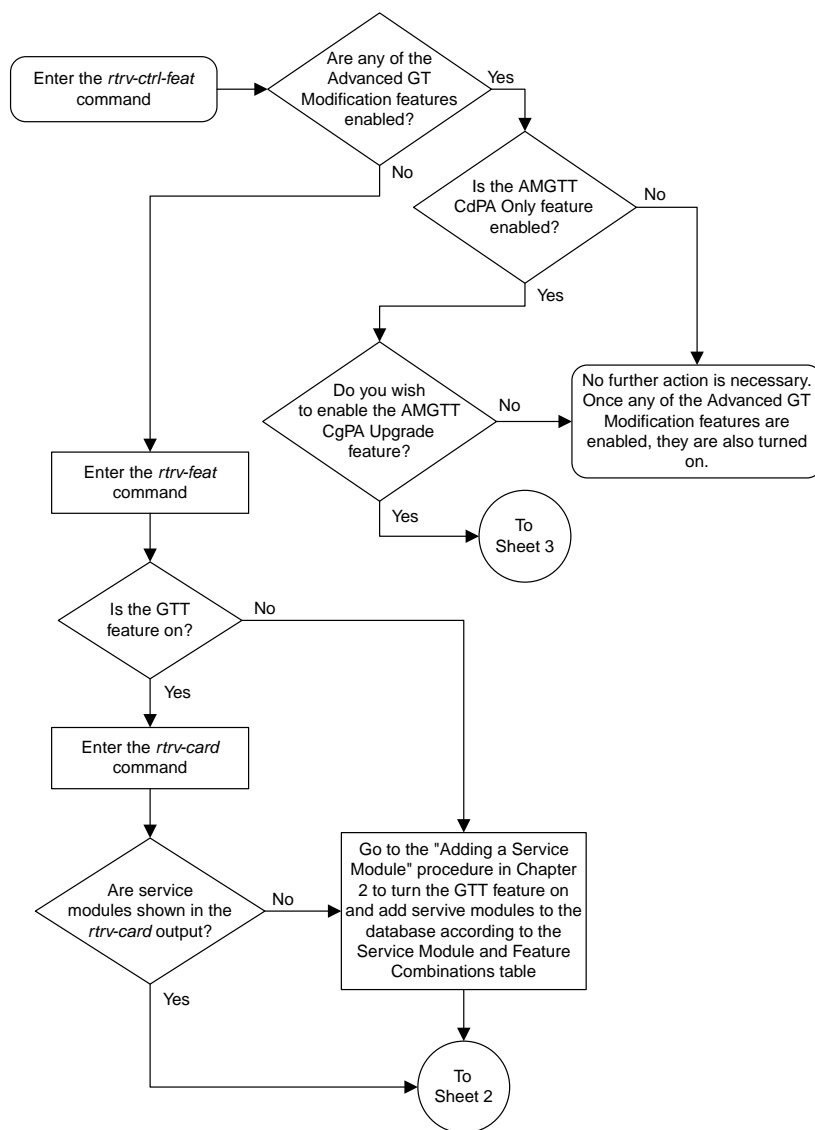


Sheet 1 of 3

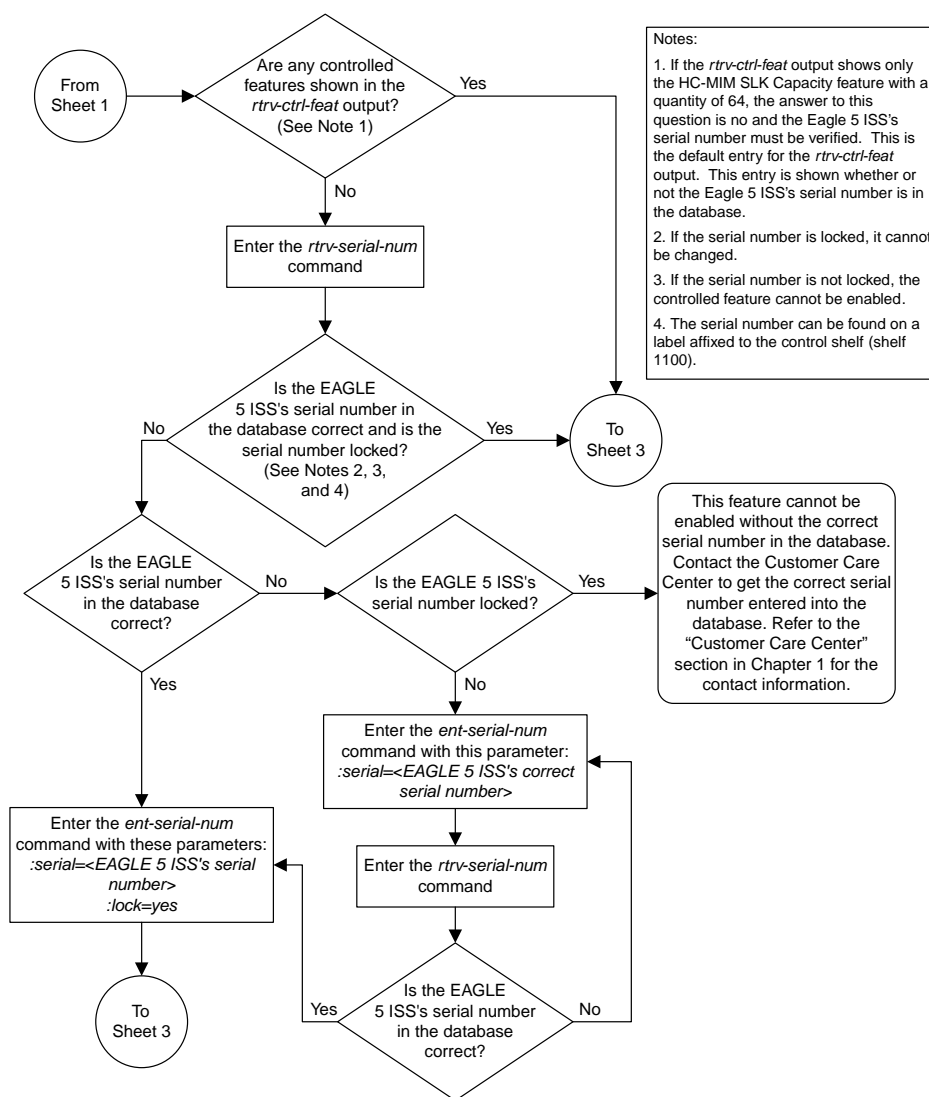




## Activating the Advanced GT Modification Feature

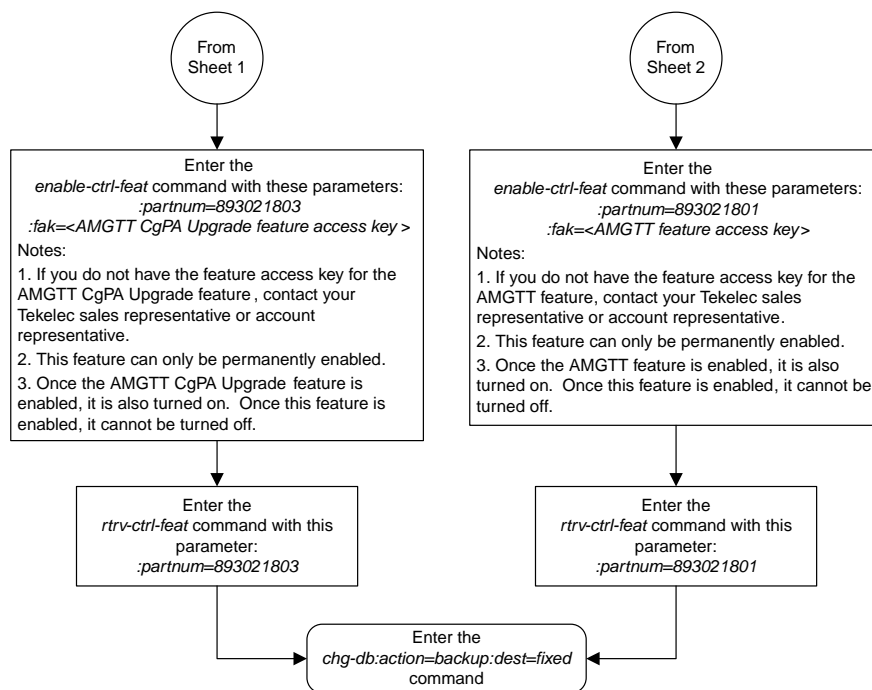


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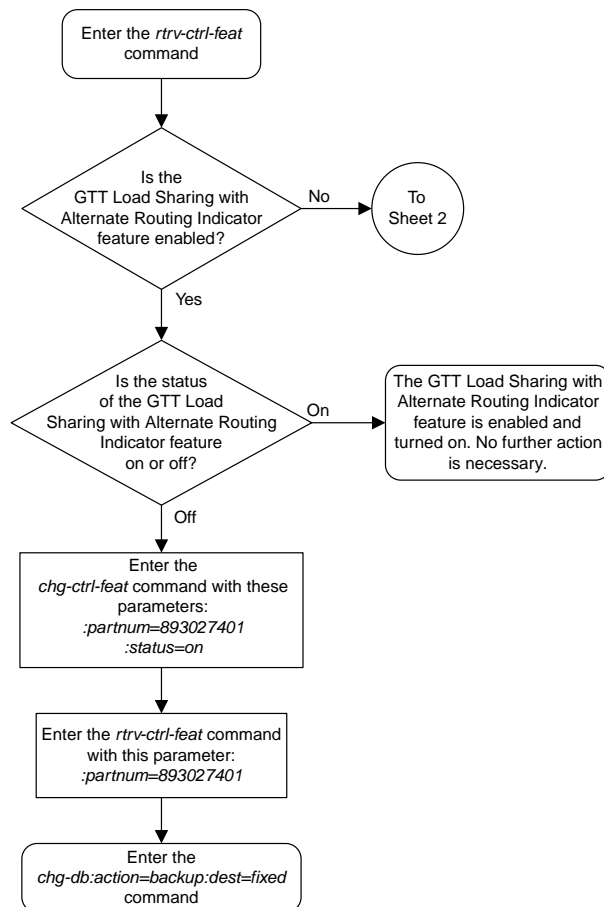


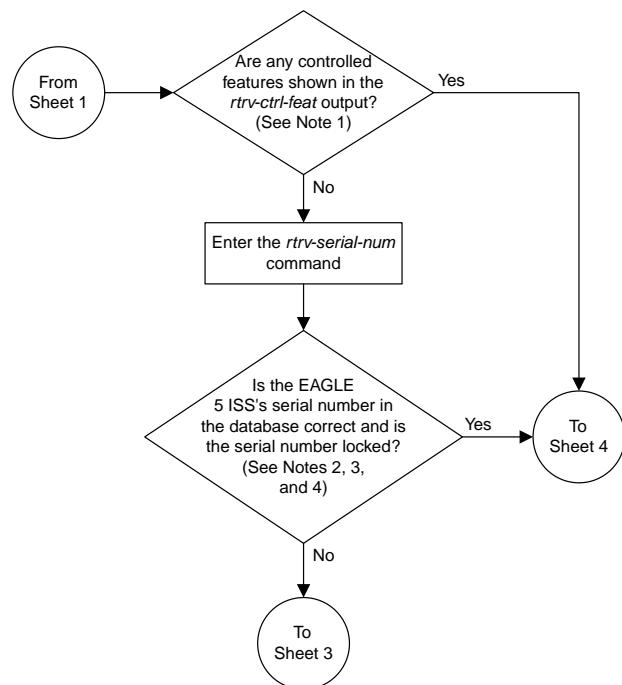
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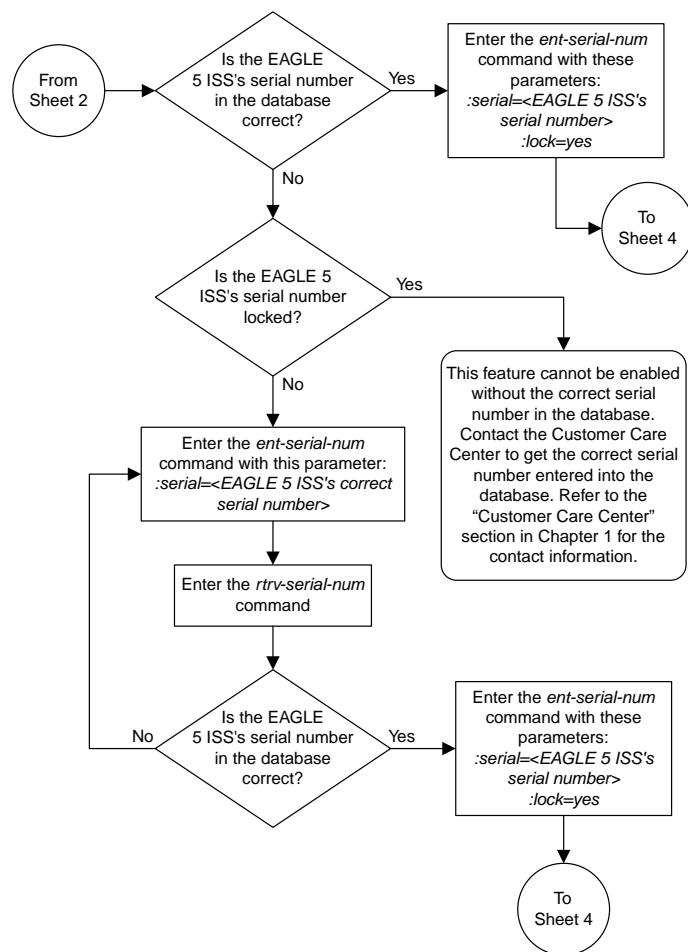


## Activating the GTT Load Sharing with Alternate Routing Indicator Feature

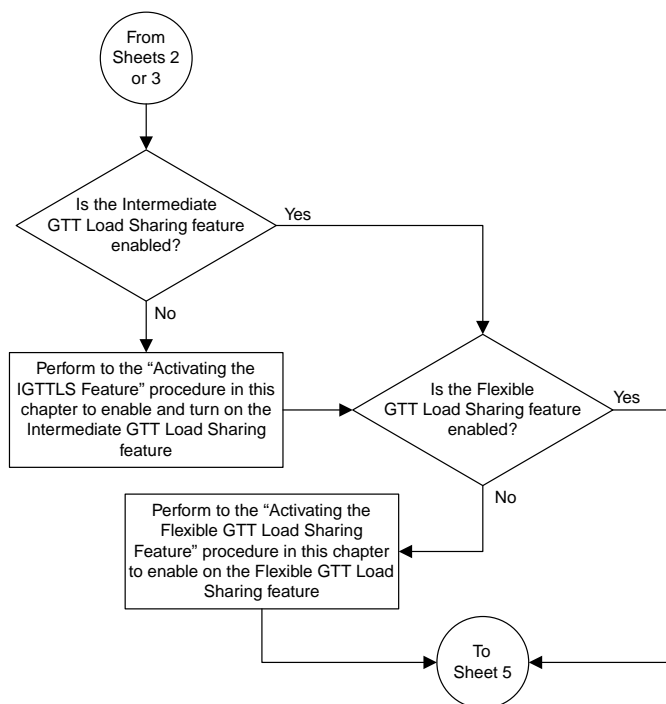


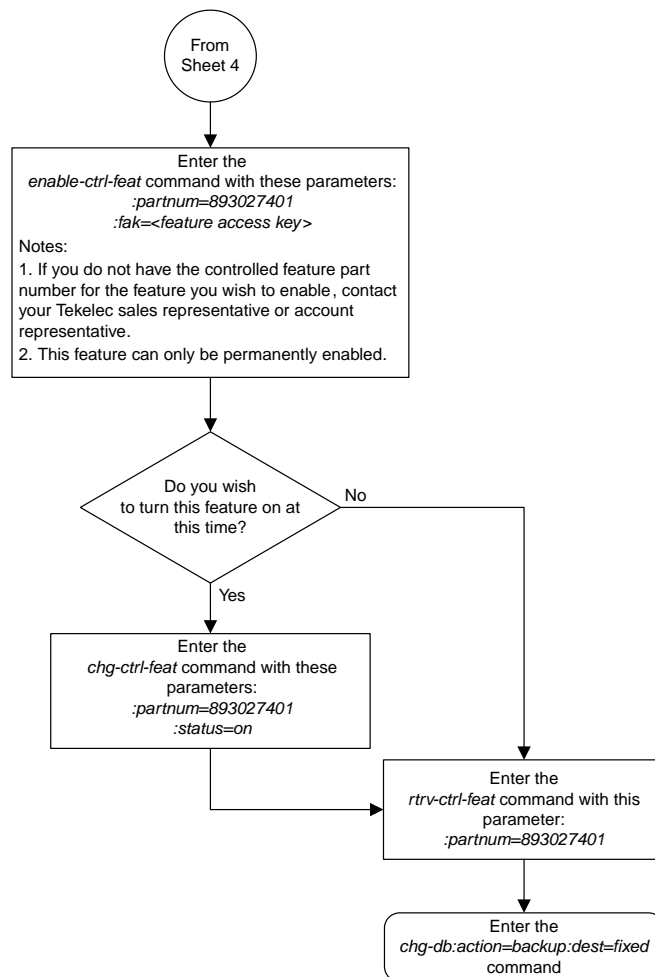
**Notes:**

1. If the *rtrv-ctrl-feat* output shows only the HC -MIM SLK Capacity feature with a quantity of 64, the answer to this question is no and the Eagle 5 ISS's serial number must be verified. This is the default entry for the *rtrv-ctrl-feat* output. This entry is shown whether or not the Eagle 5 ISS's serial number is in the database.
2. If the serial number is locked, it cannot be changed.
3. If the serial number is not locked, the controlled feature cannot be enabled.
4. The serial number can be found on a label affixed to the control shelf (shelf 1100).

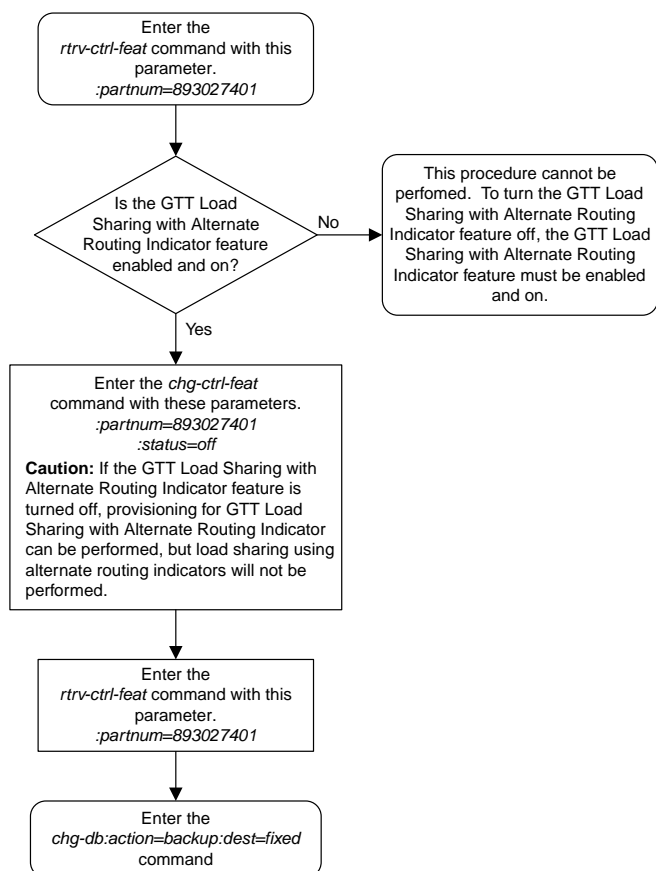


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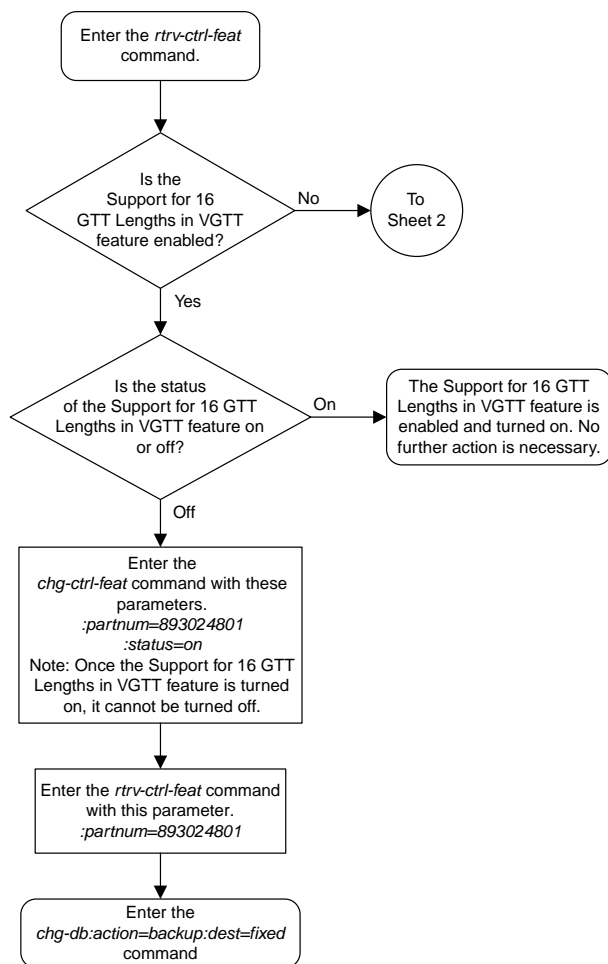




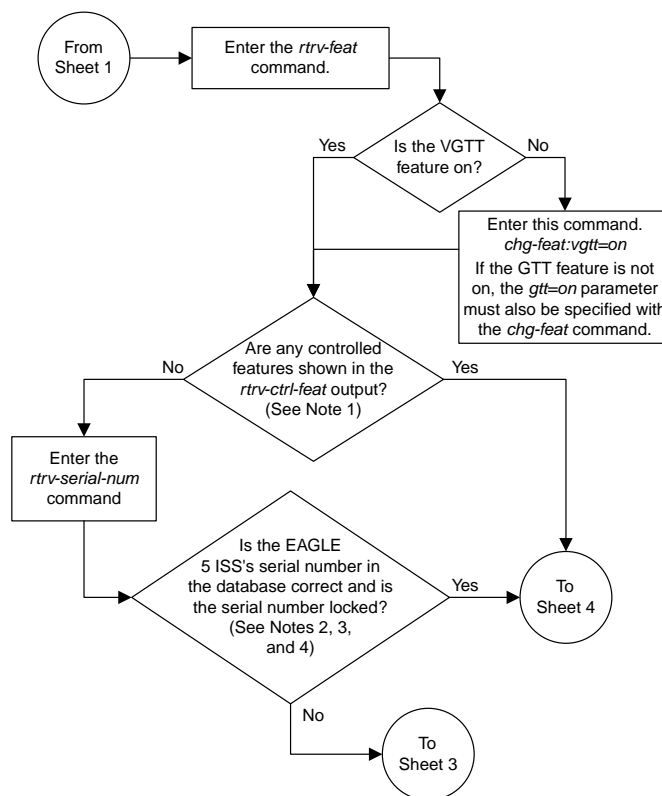
## Turning the GTT Load Sharing with Alternate Routing Indicator Feature Off



## Activating the Support for 16 GTT Lengths in VGTT Feature

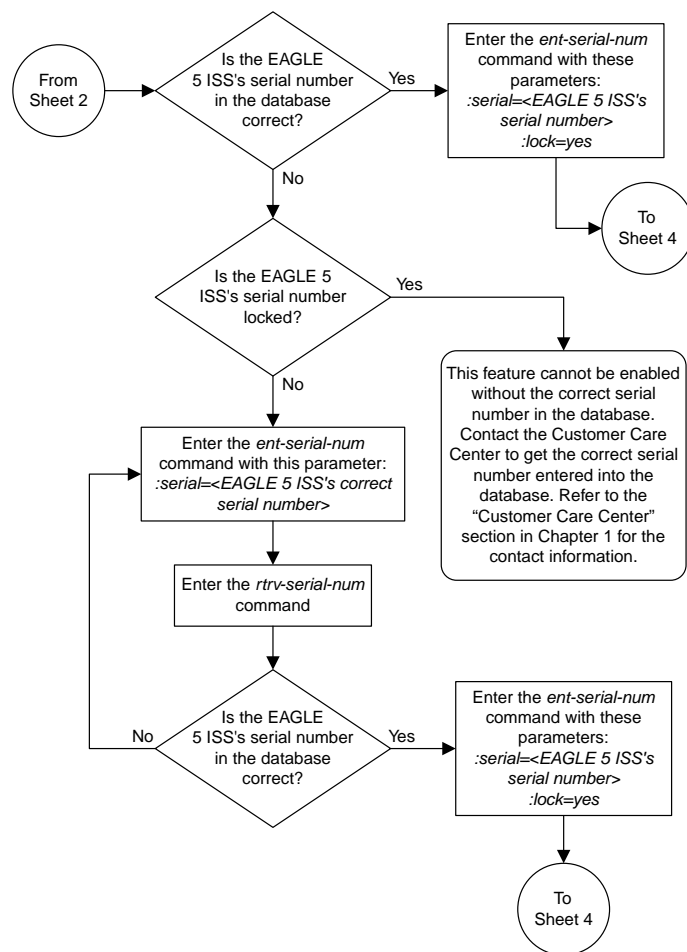




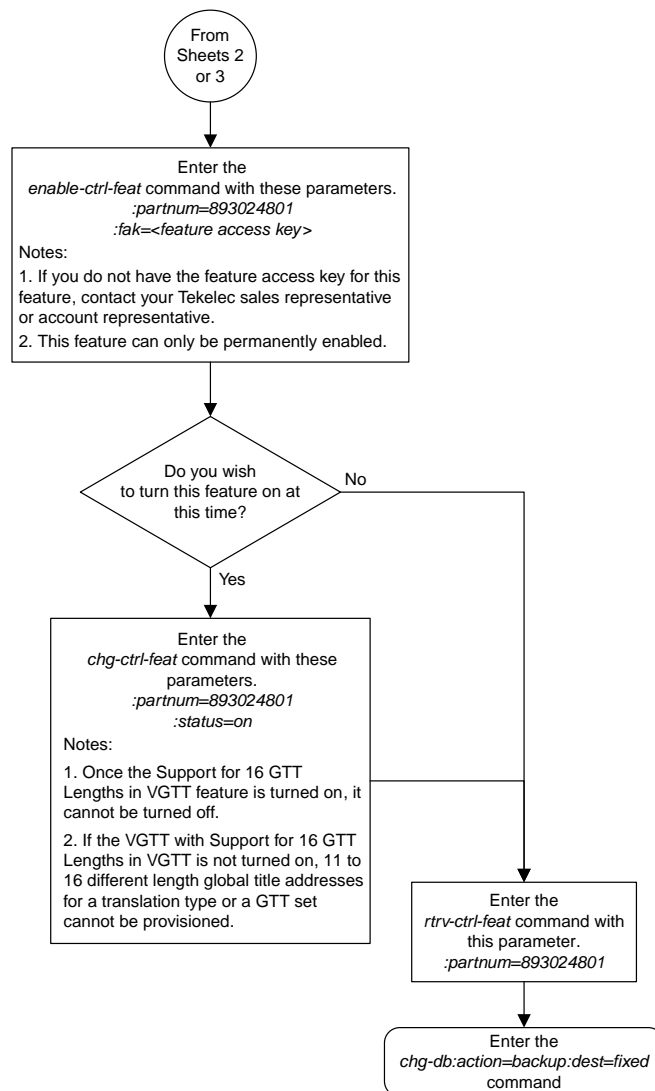


## Notes:

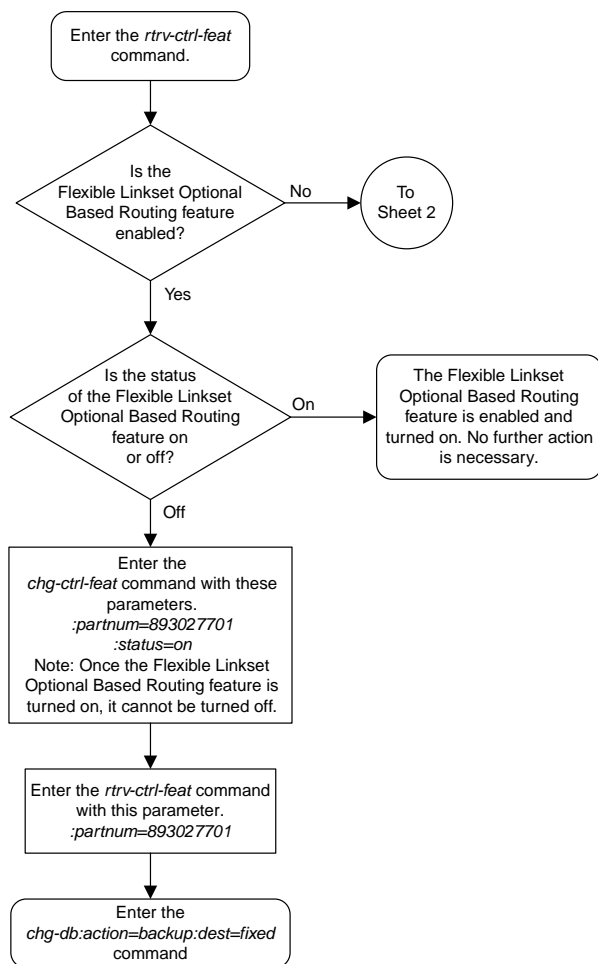
1. If the *rtrv-ctrl-feat* output shows only the HC-MIM SLK Capacity feature with a quantity of 64, the answer to this question is no and the Eagle 5 ISS's serial number must be verified. This is the default entry for the *rtrv-ctrl-feat* output. This entry is shown whether or not the Eagle 5 ISS's serial number is in the database.
2. If the serial number is locked, it cannot be changed.
3. If the serial number is not locked, the controlled feature cannot be enabled.
4. The serial number can be found on a label affixed to the control shelf (shelf 1100).

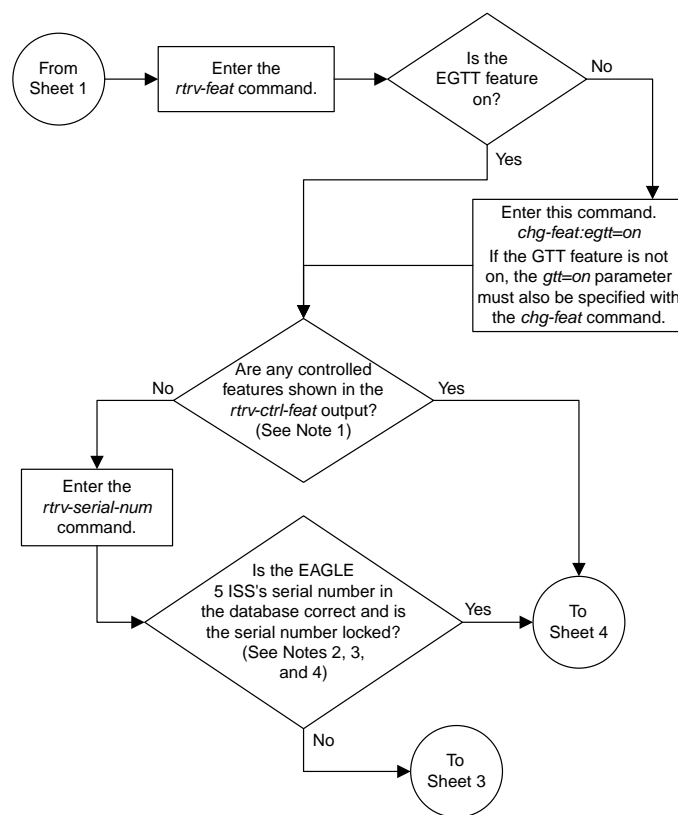


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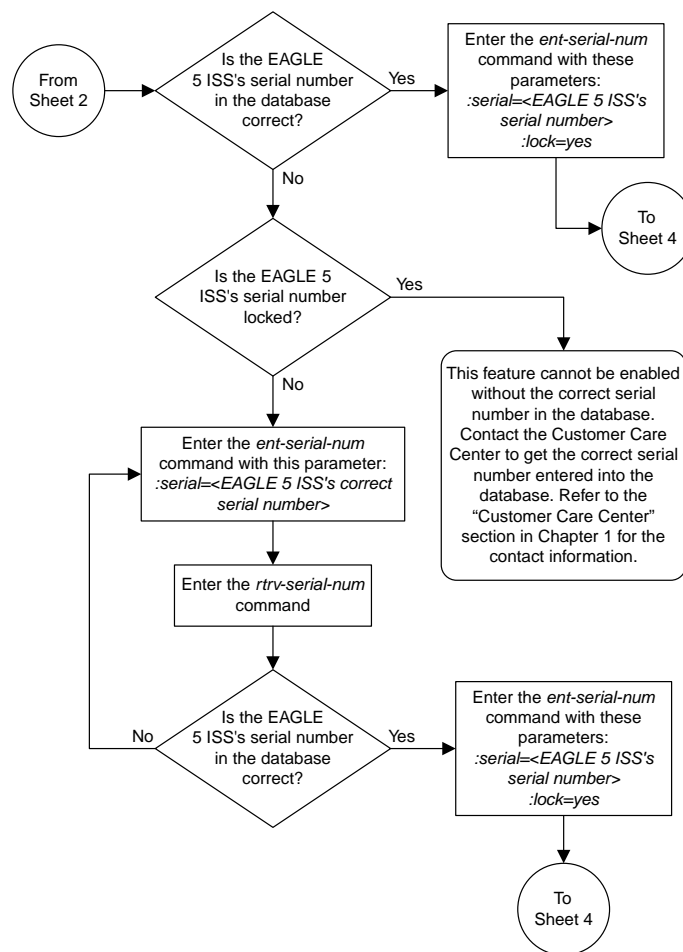
## Activating the Flexible Linkset Optional Based Routing Feature



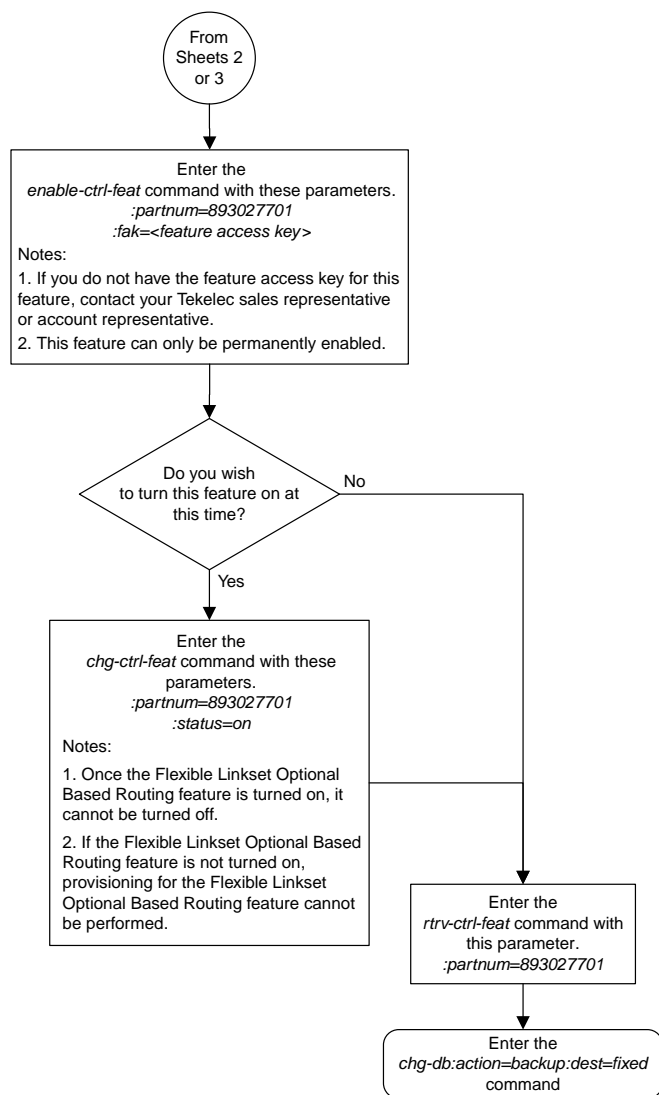


## Notes:

1. If the *rtrv-ctrl-feat* output shows only the HC -MIM SLK Capacity feature with a quantity of 64, the answer to this question is no and the Eagle 5 ISS's serial number must be verified. This is the default entry for the *rtrv-ctrl-feat* output. This entry is shown whether or not the Eagle 5 ISS's serial number is in the database.
2. If the serial number is locked, it cannot be changed.
3. If the serial number is not locked, the controlled feature cannot be enabled.
4. The serial number can be found on a label affixed to the control shelf (shelf 1100).

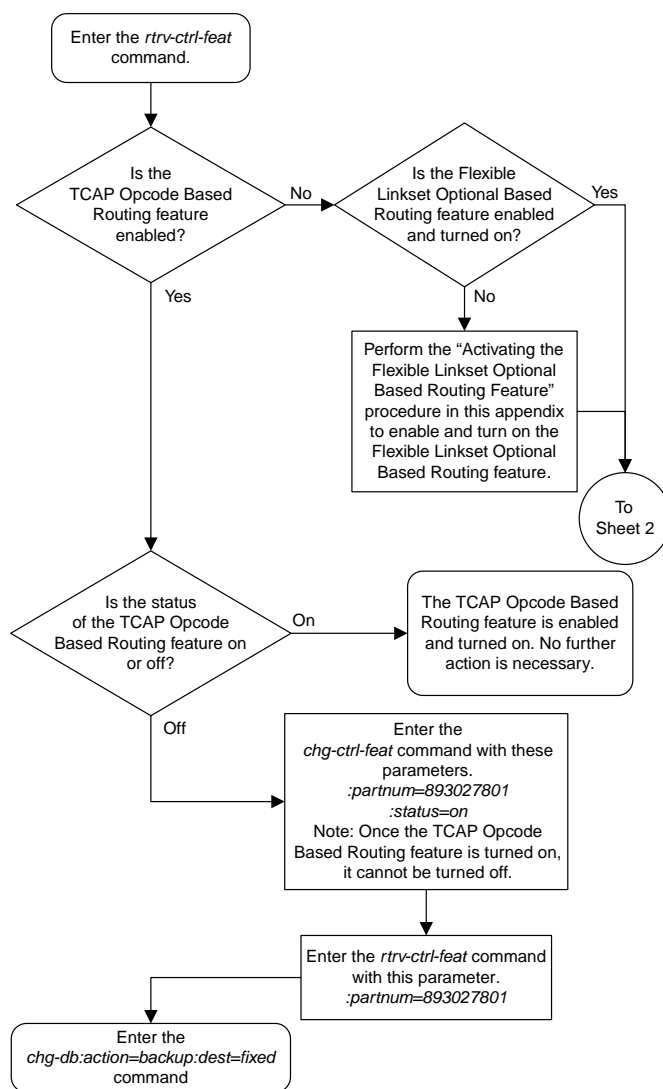


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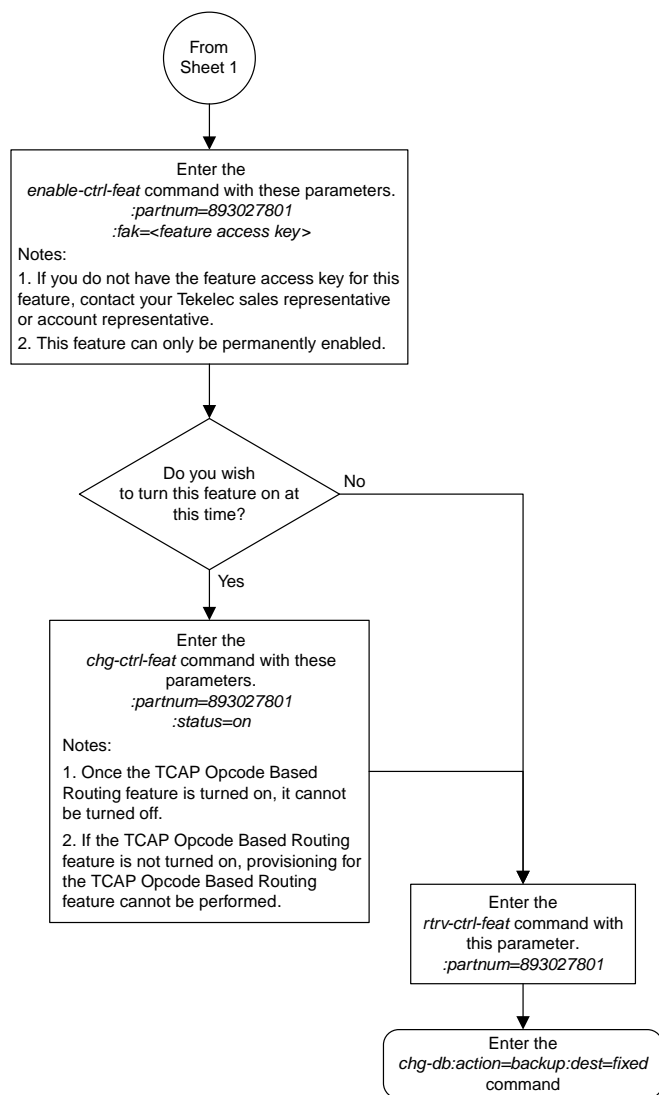
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## Activating the TCAP Opcode Based Routing Feature



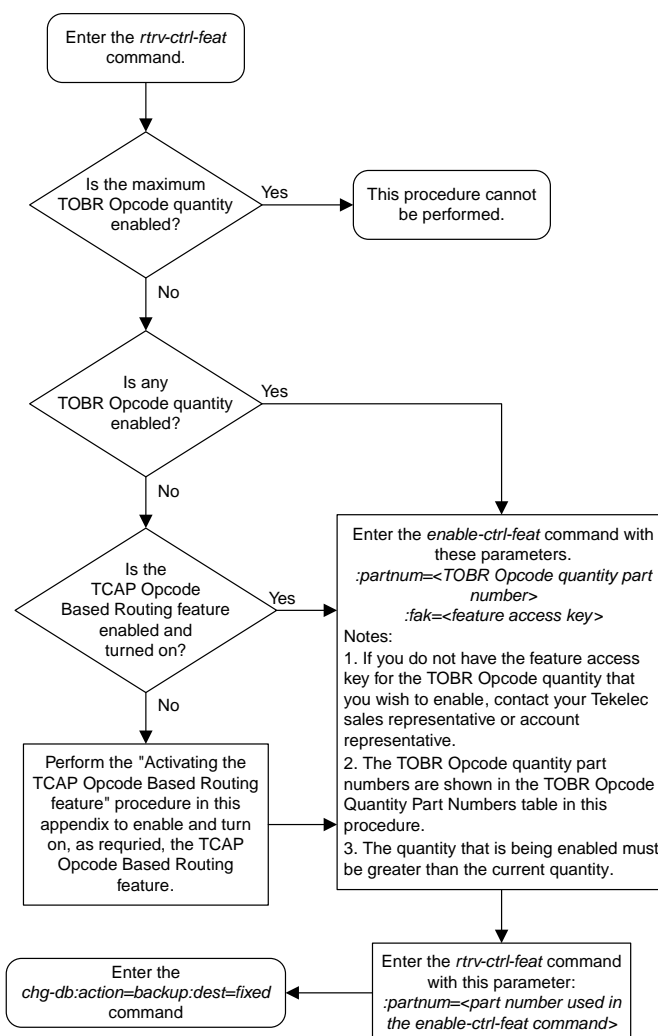
Sheet 1 of 2



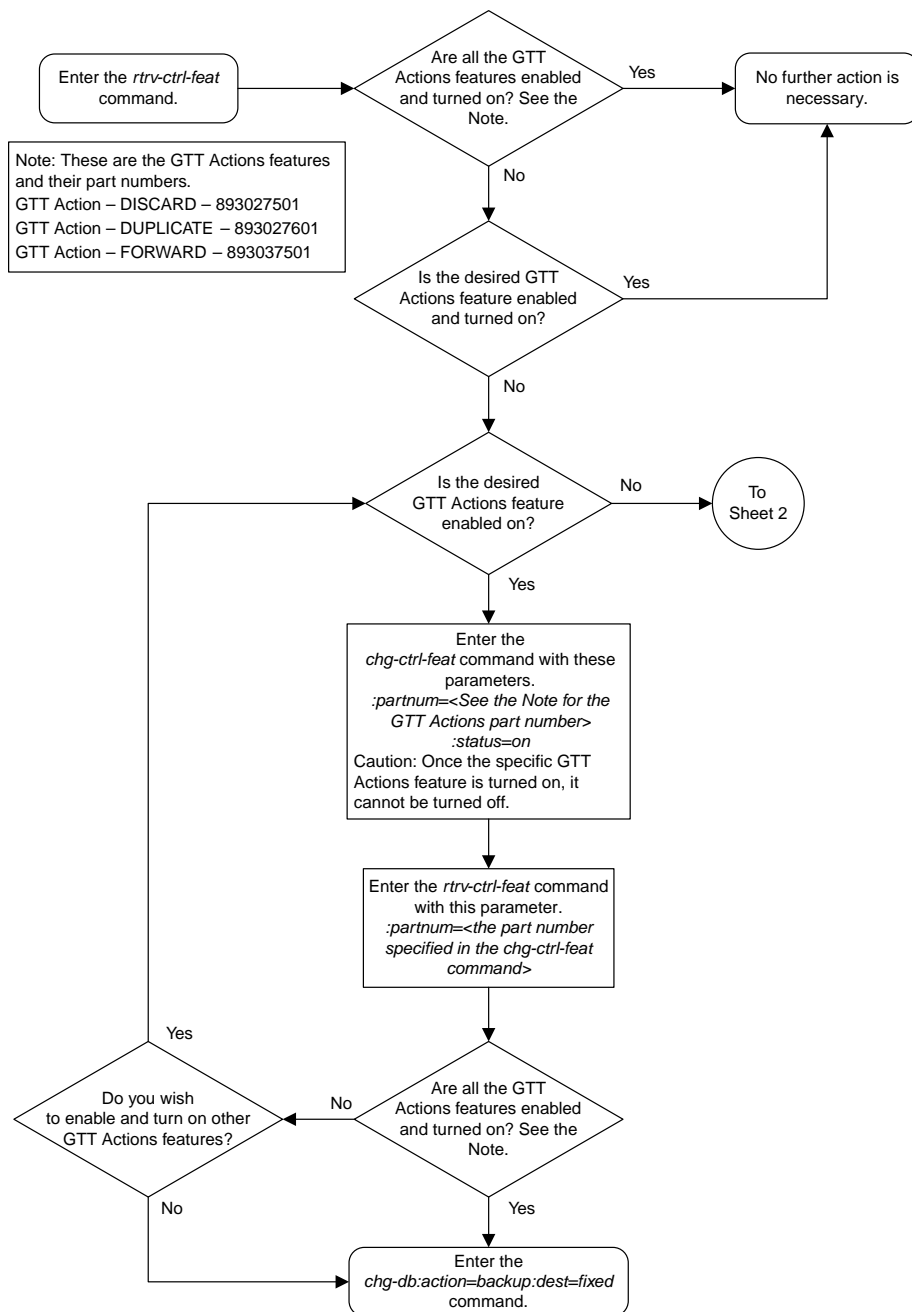


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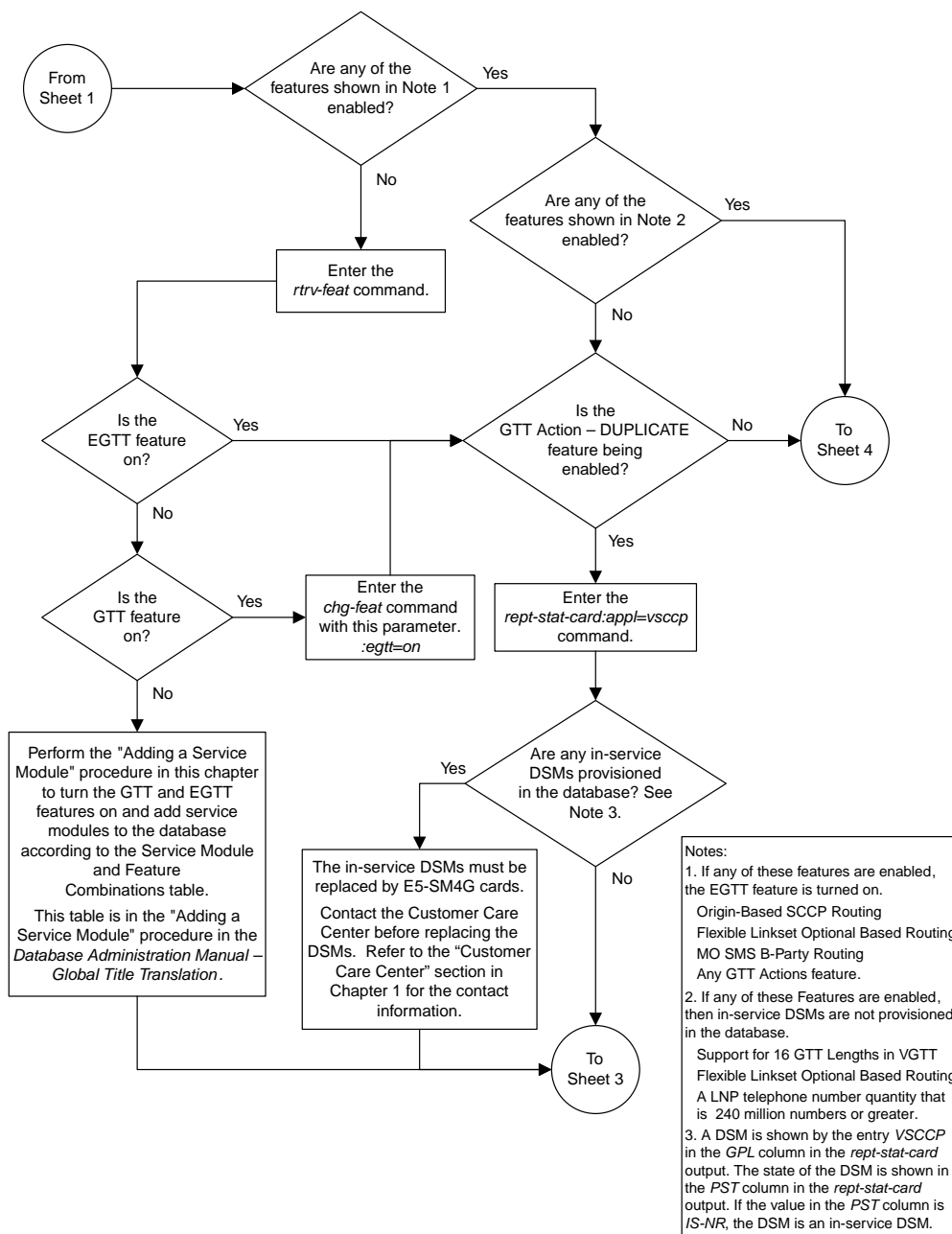
## Enabling a TOBR Opcode Quantity



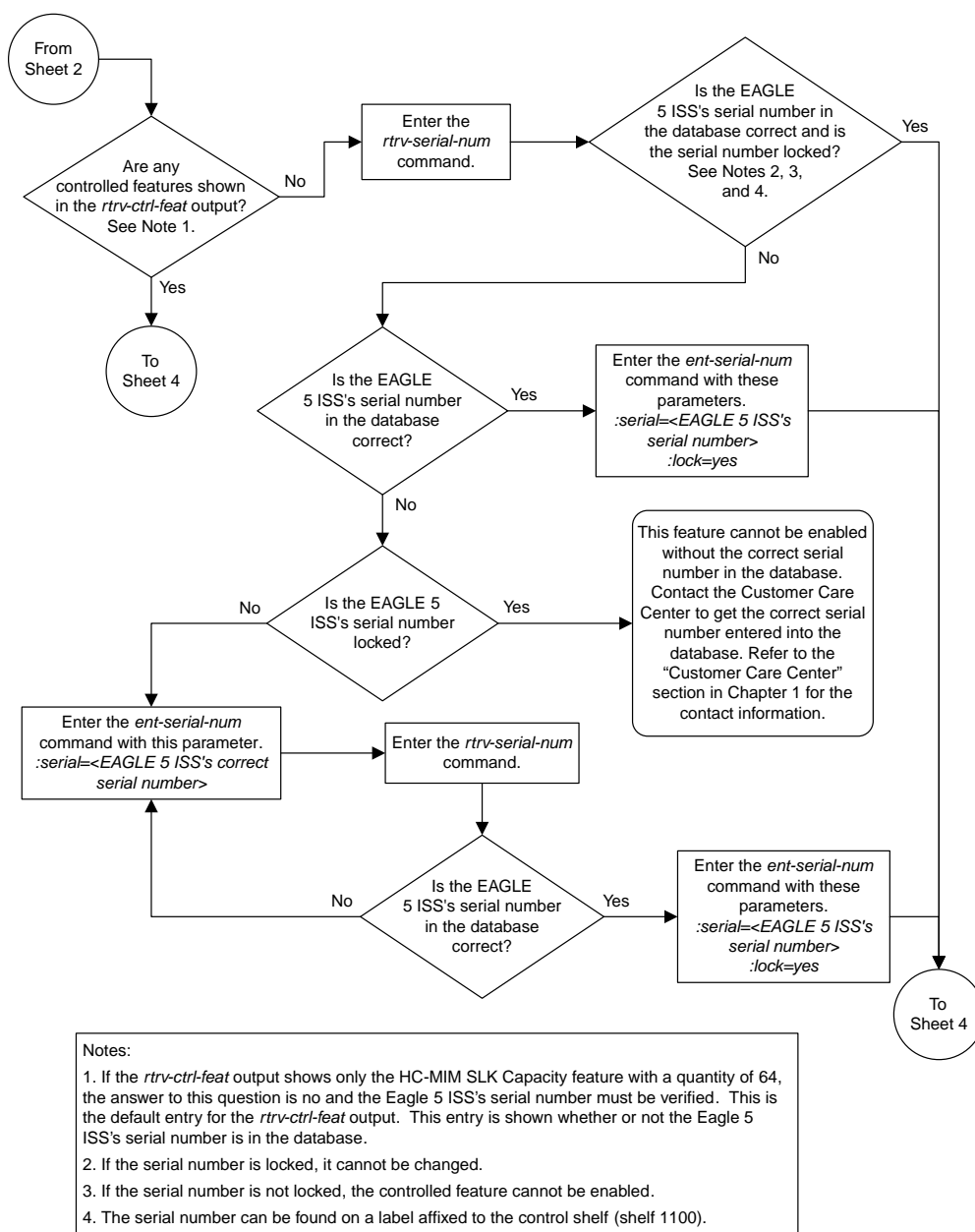
## Activating the GTT Actions Features

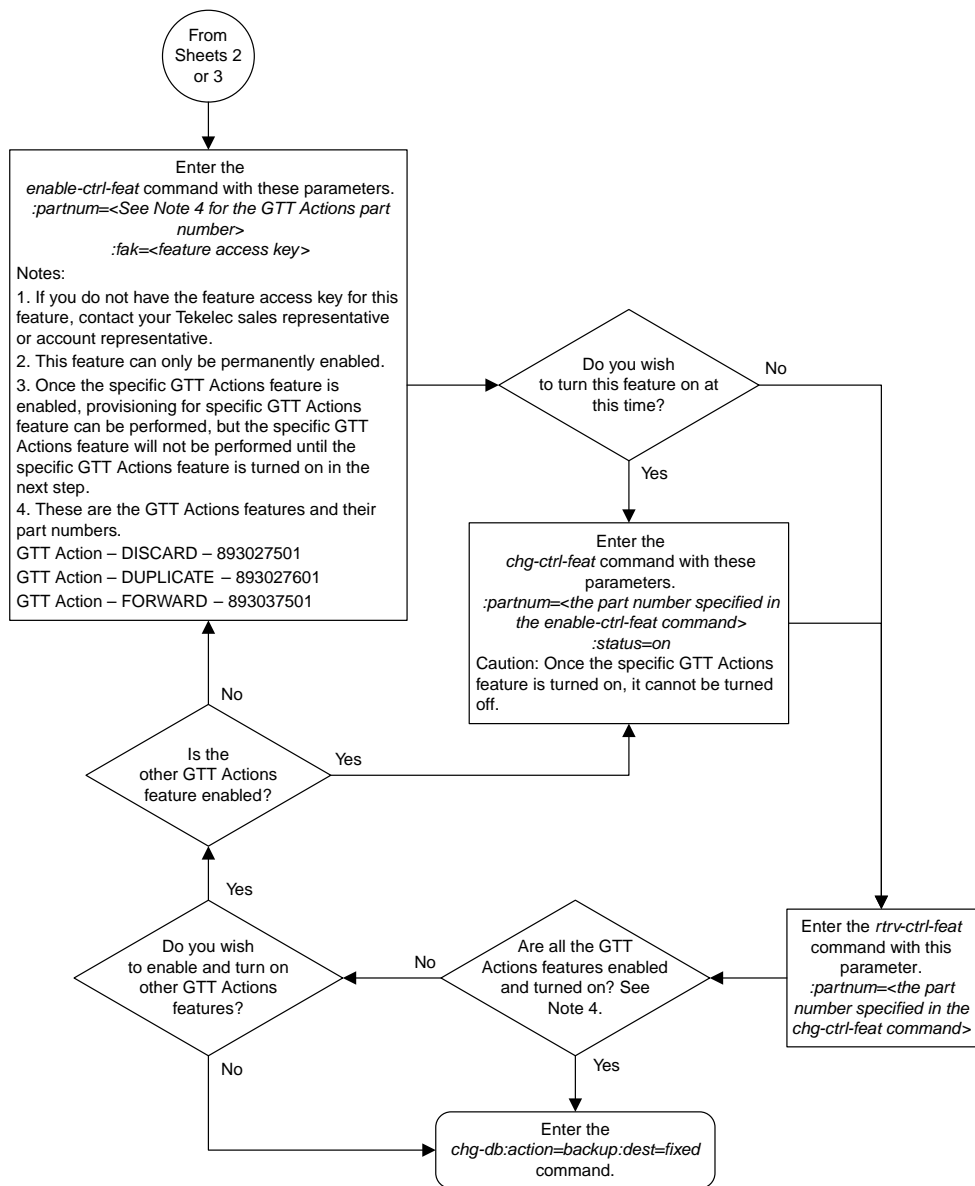


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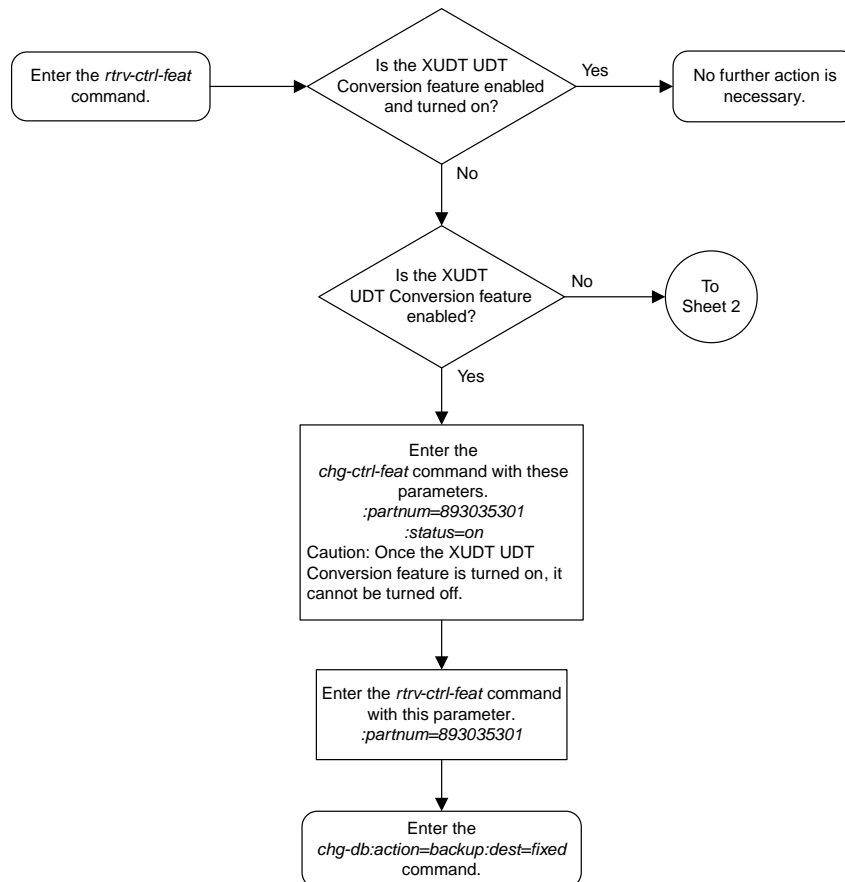
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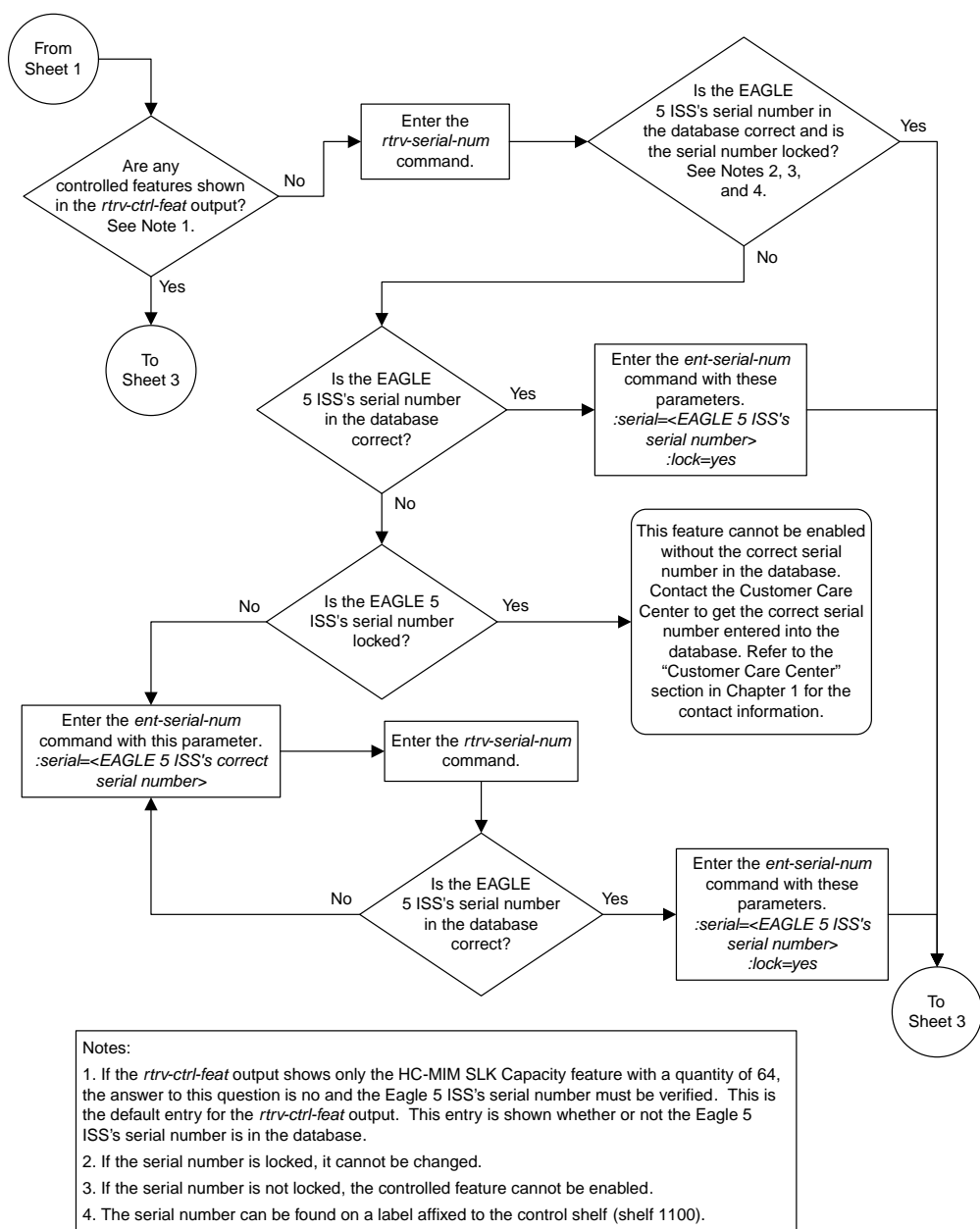




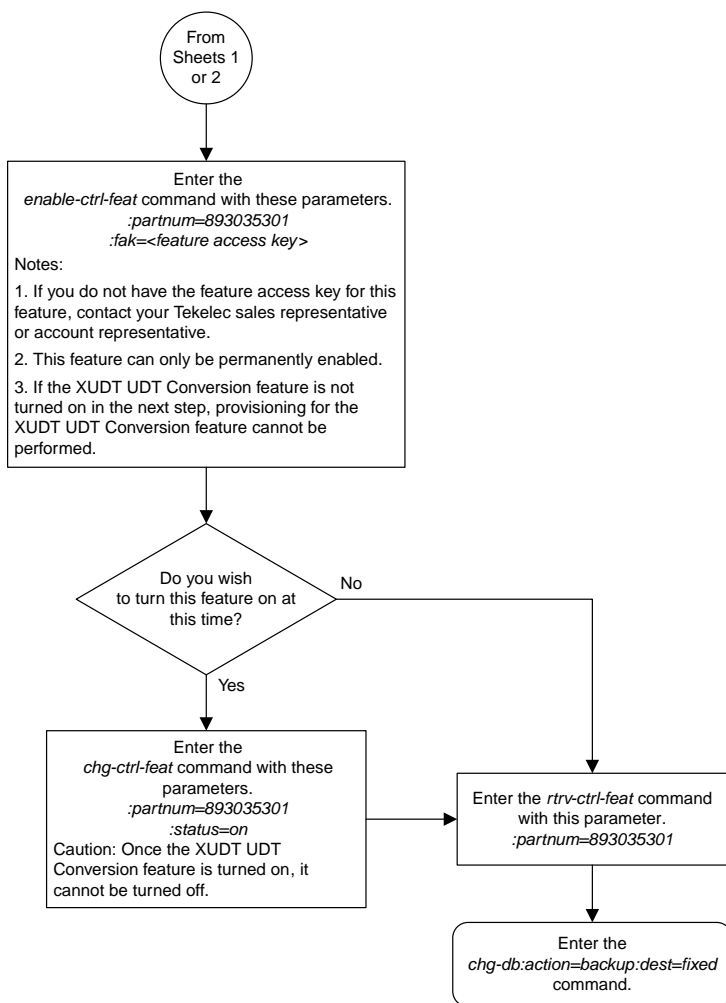
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## Activating the XUDT UDT Conversion Feature









# Chapter 8

## Global Title Translation (GTT) Configuration Flowcharts

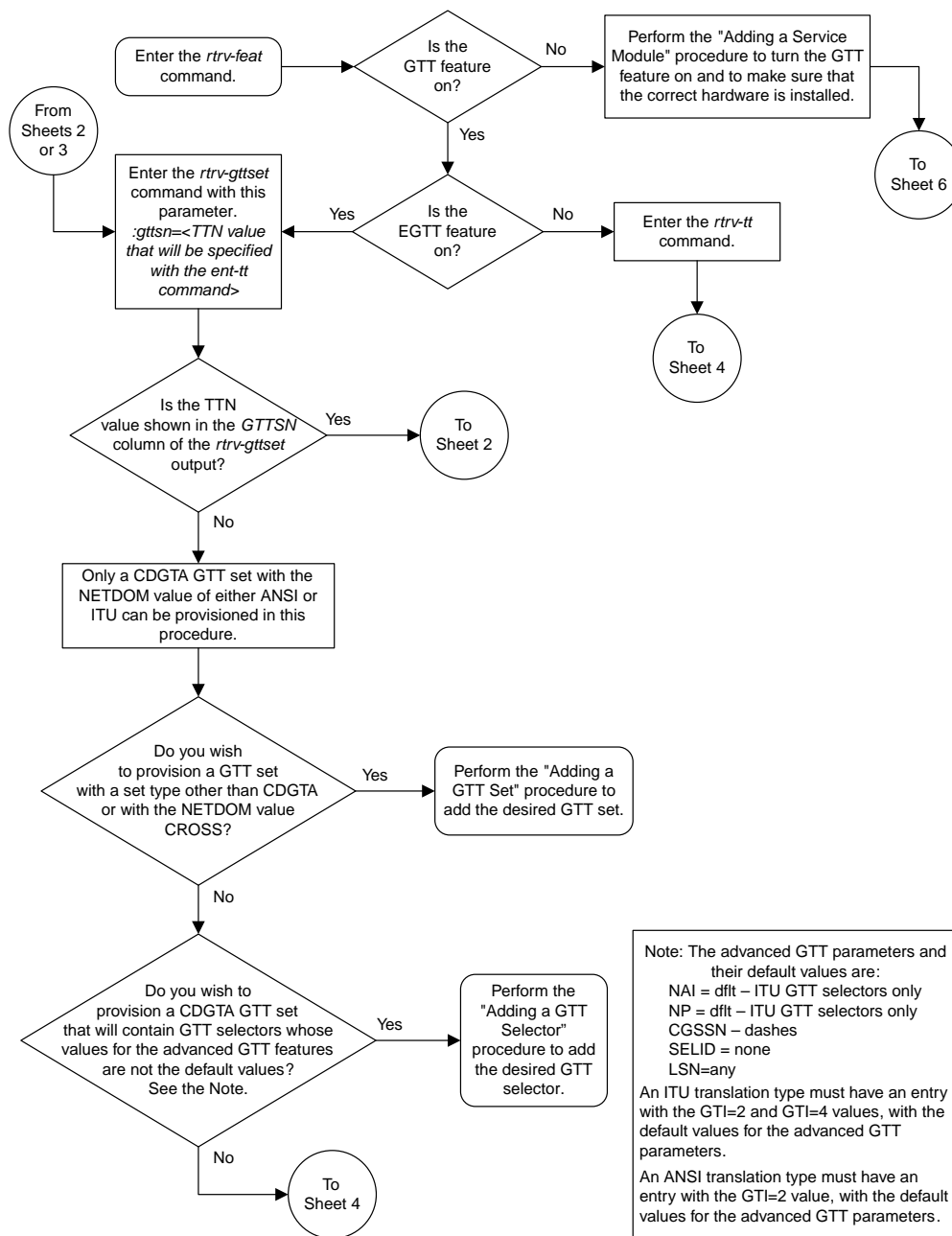
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### Topics:

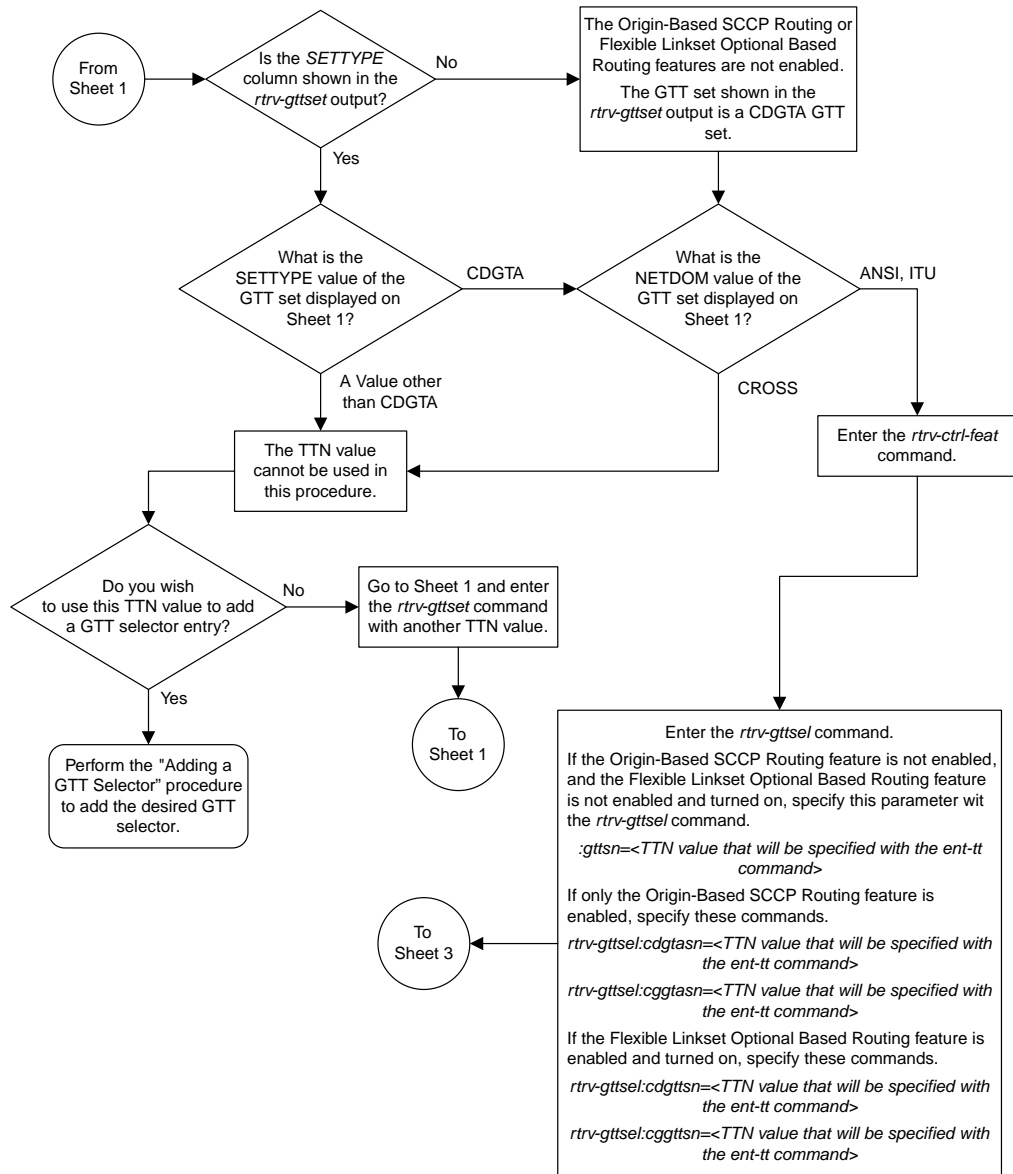
- [Adding a Translation Type.....507](#)
- [Removing a Translation Type.....513](#)
- [Adding a Global Title Translation.....517](#)
- [Removing a Global Title Translation.....527](#)
- [Changing a Global Title Translation.....529](#)

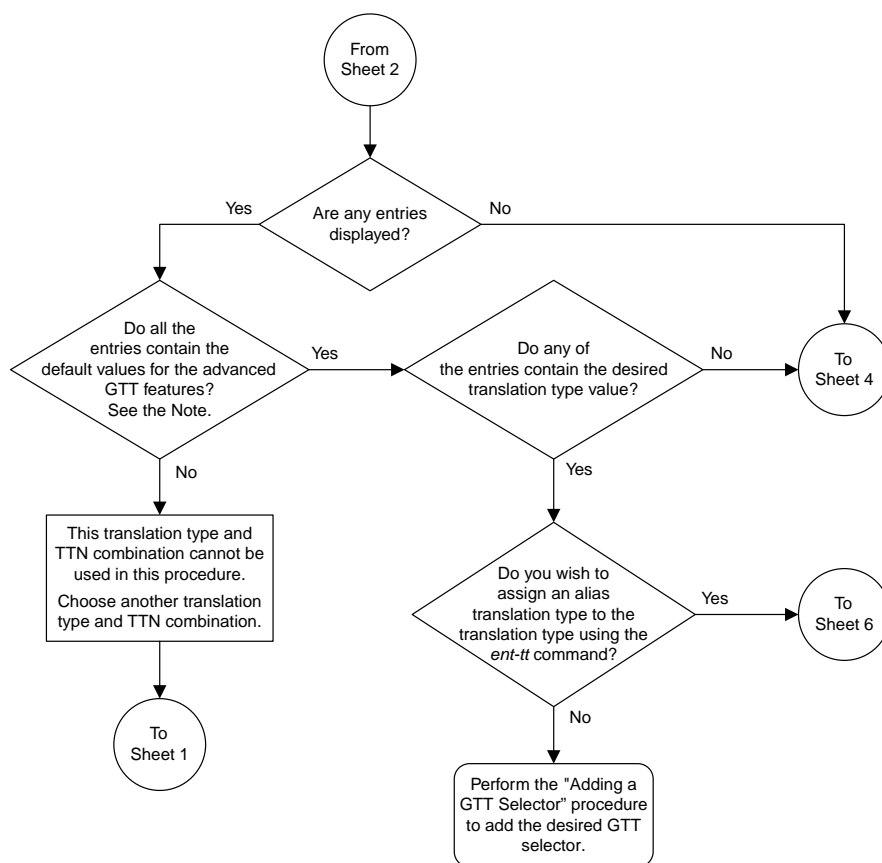
This chapter contains the flowcharts for the procedures used to configure the Global Title Translation feature. These procedures are located in the *Database Administration Manual - Global Title Translation*.

## Adding a Translation Type



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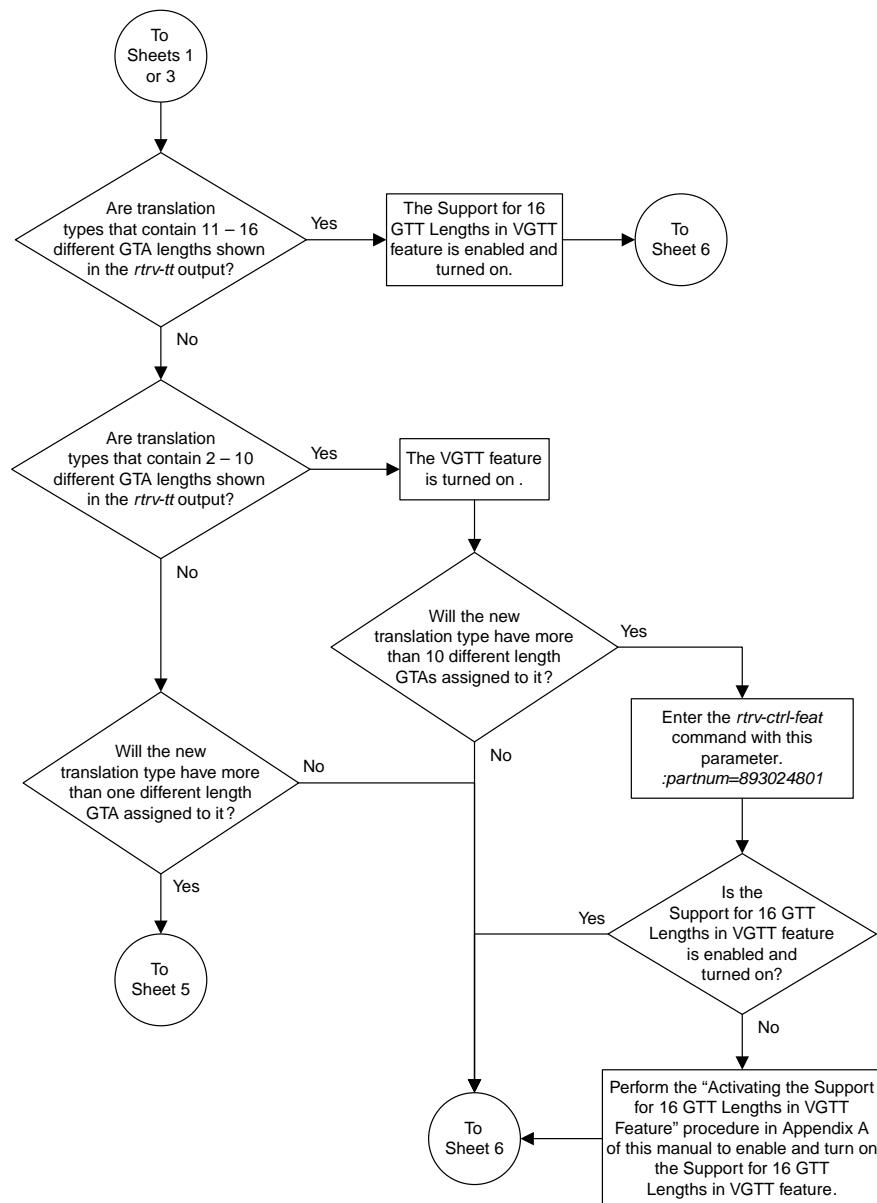


Note: The advanced GTT parameters and their default values are:

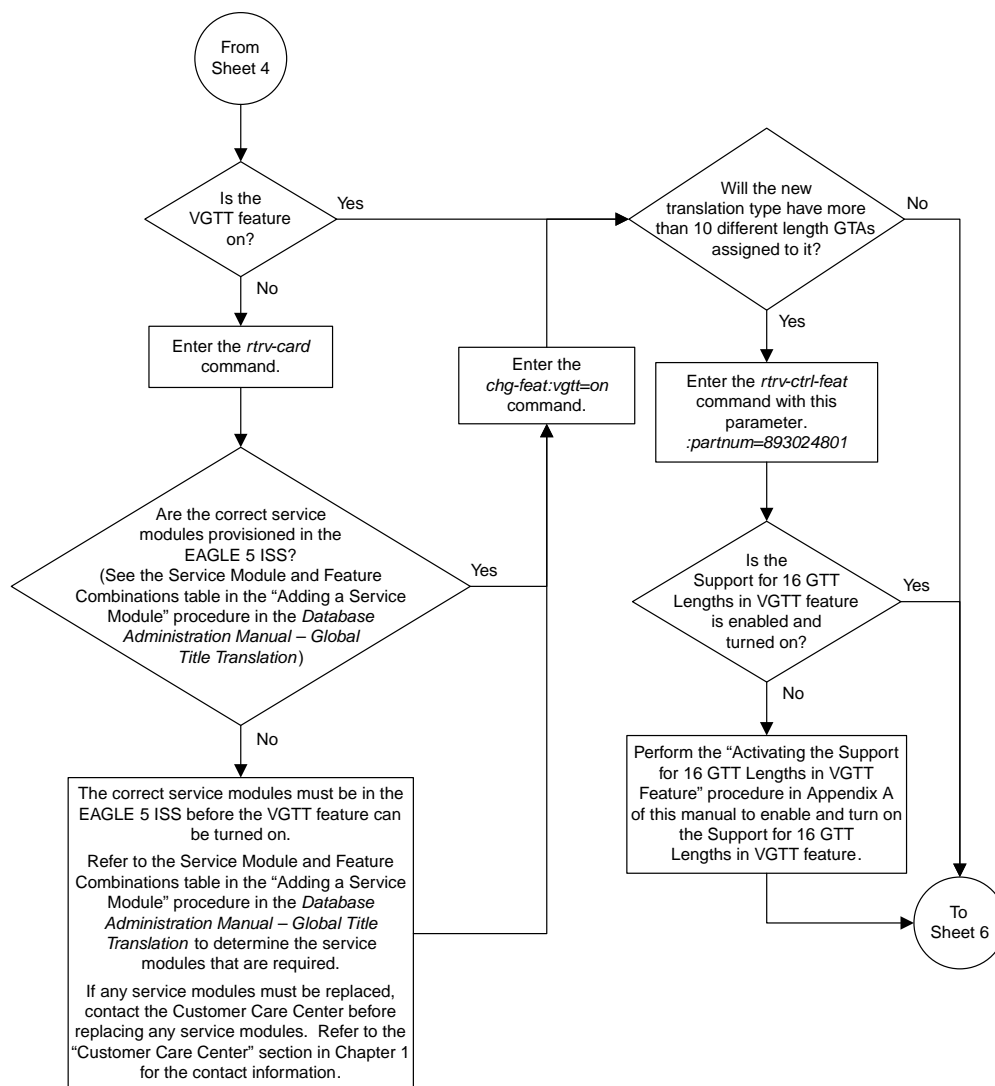
- NAI = dflt – ITU GTT selectors only
- NP = dflt – ITU GTT selectors only
- CGSSN – dashes
- SELID = none
- LSN=any

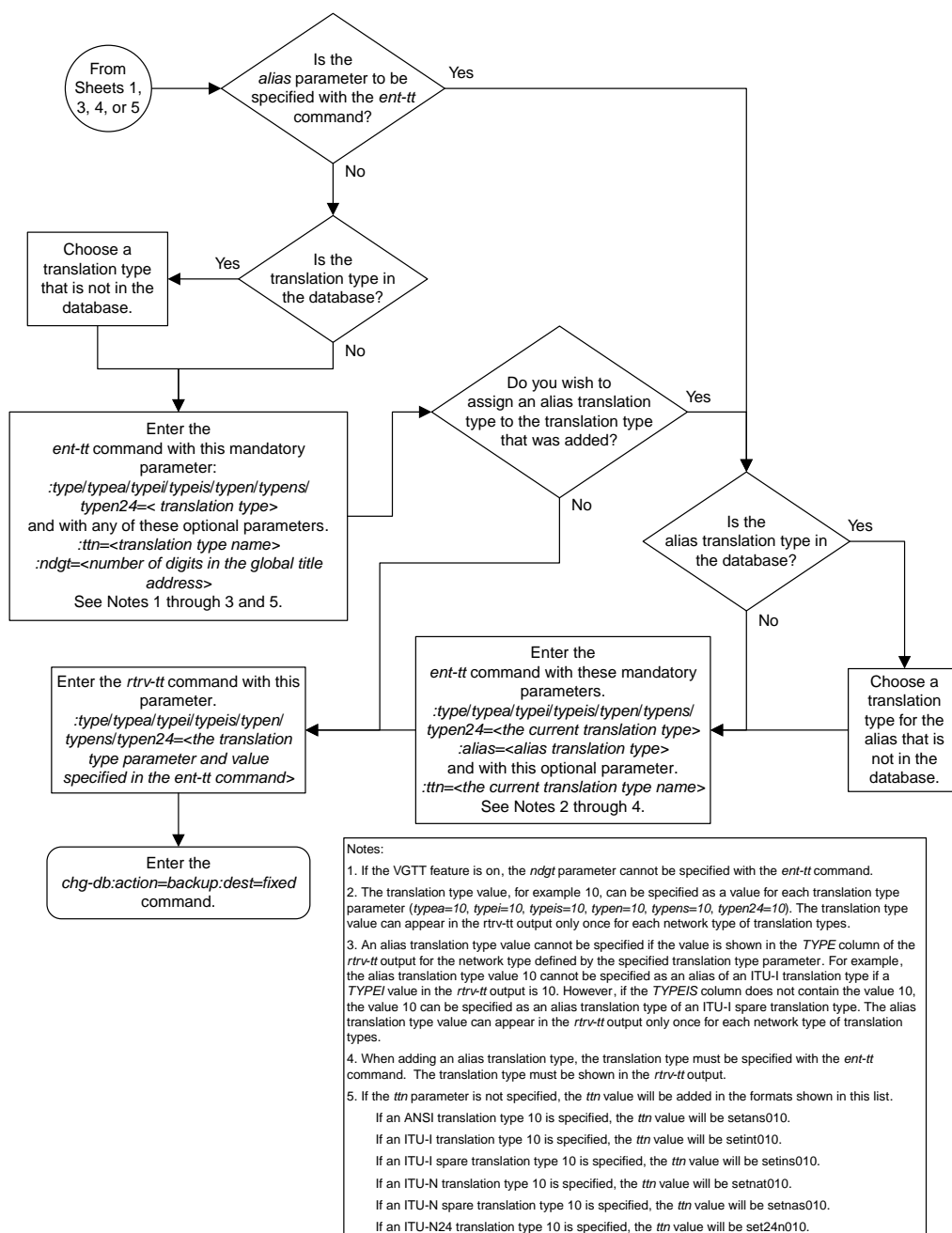
An ITU translation type must have an entry with the GTI=2 and GTI=4 values, with the default values for the advanced GTT parameters.

An ANSI translation type must have an entry with the GTI=2 value, with the default values for the advanced GTT parameters.



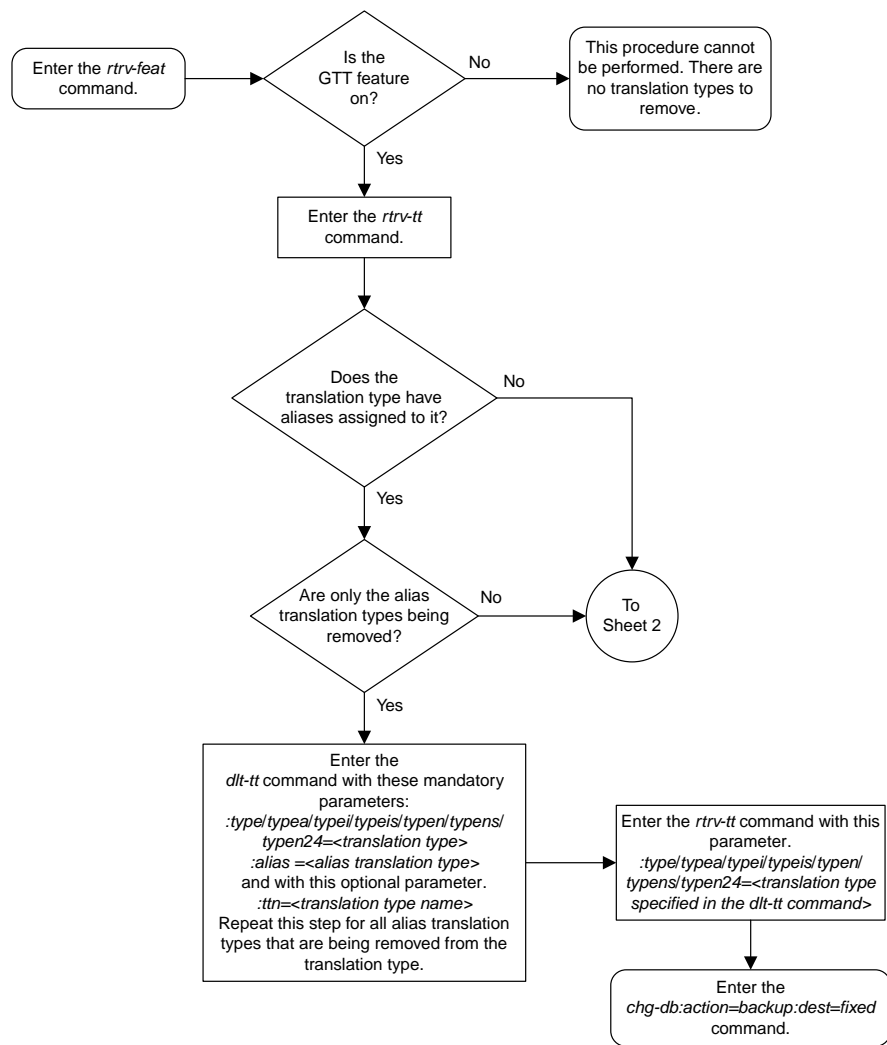
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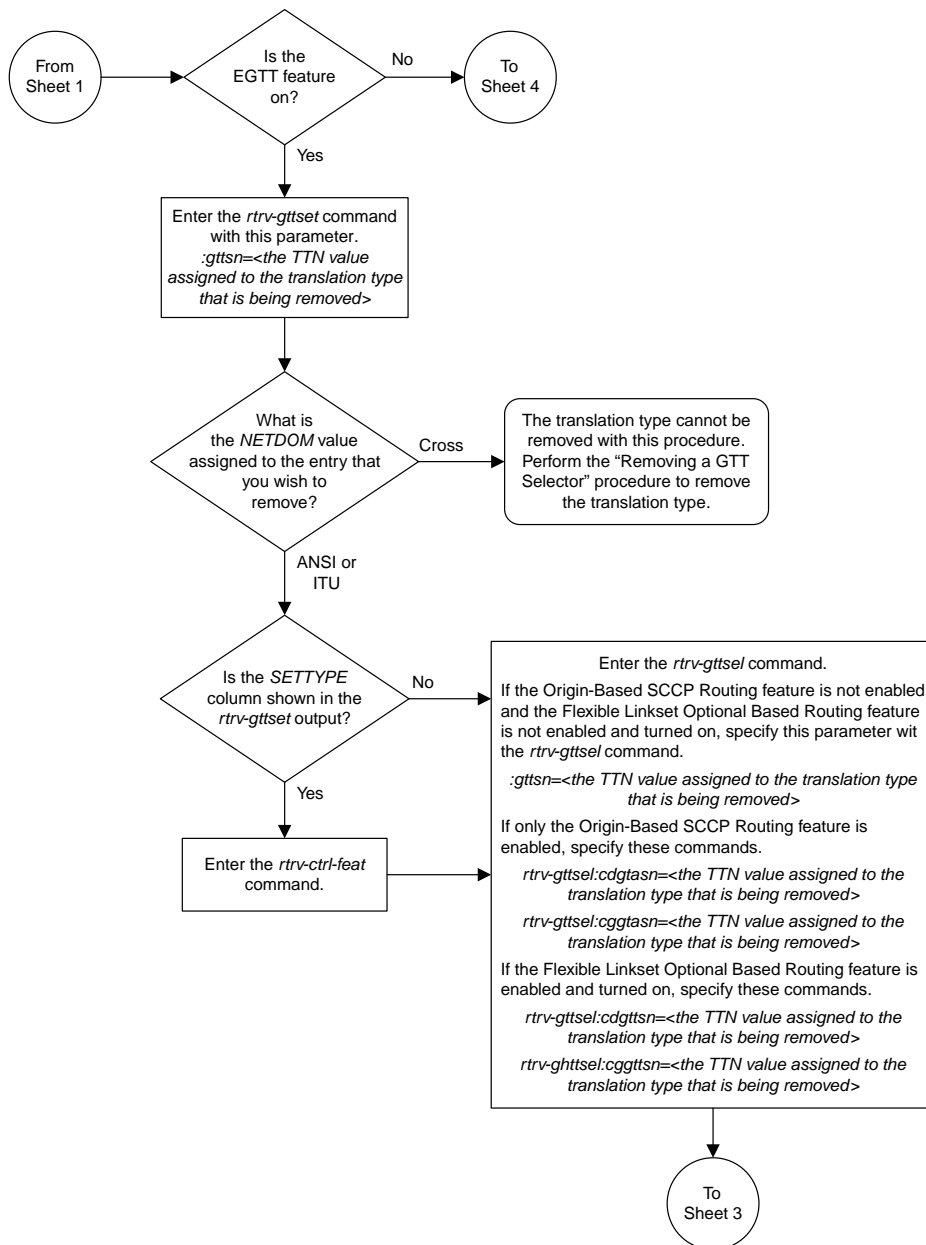




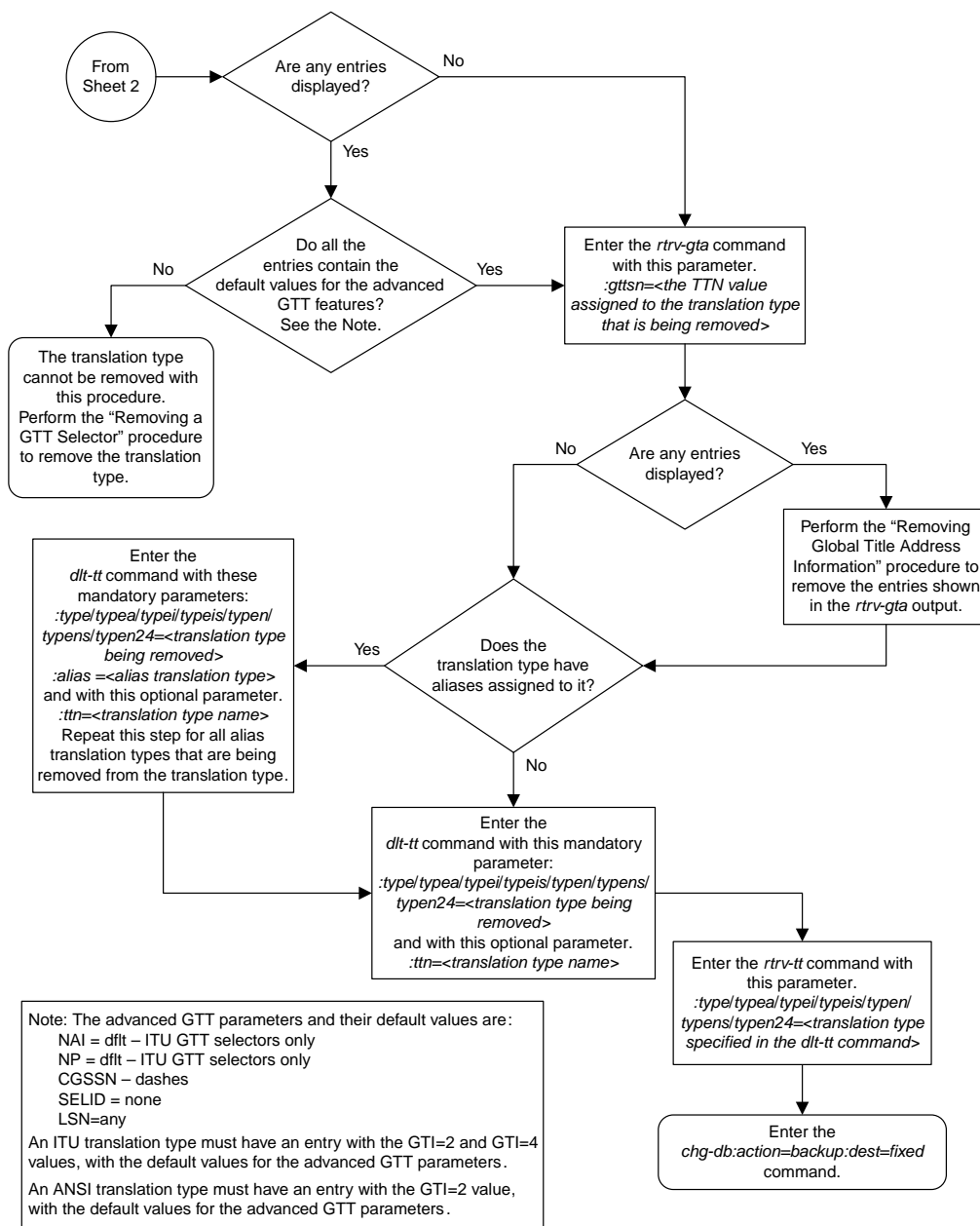


## Removing a Translation Type

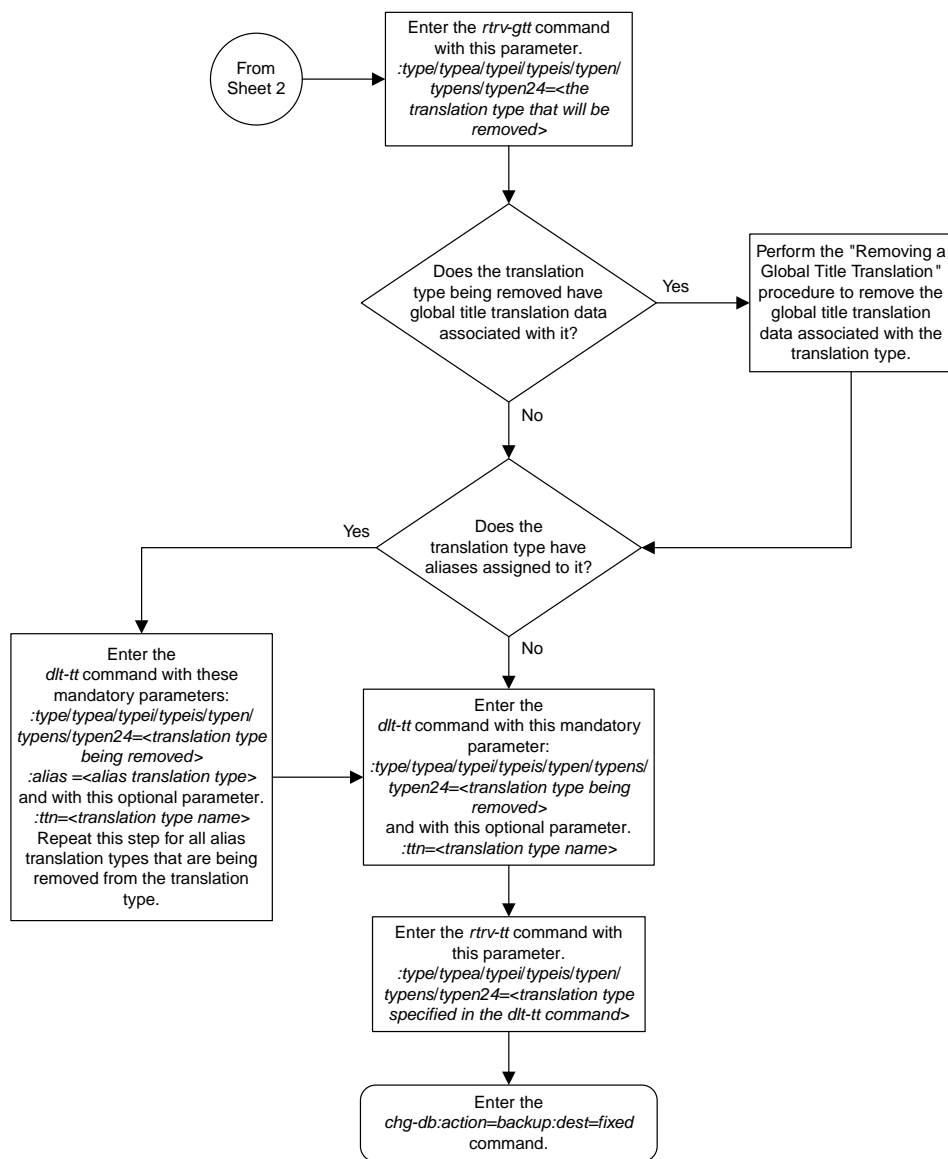




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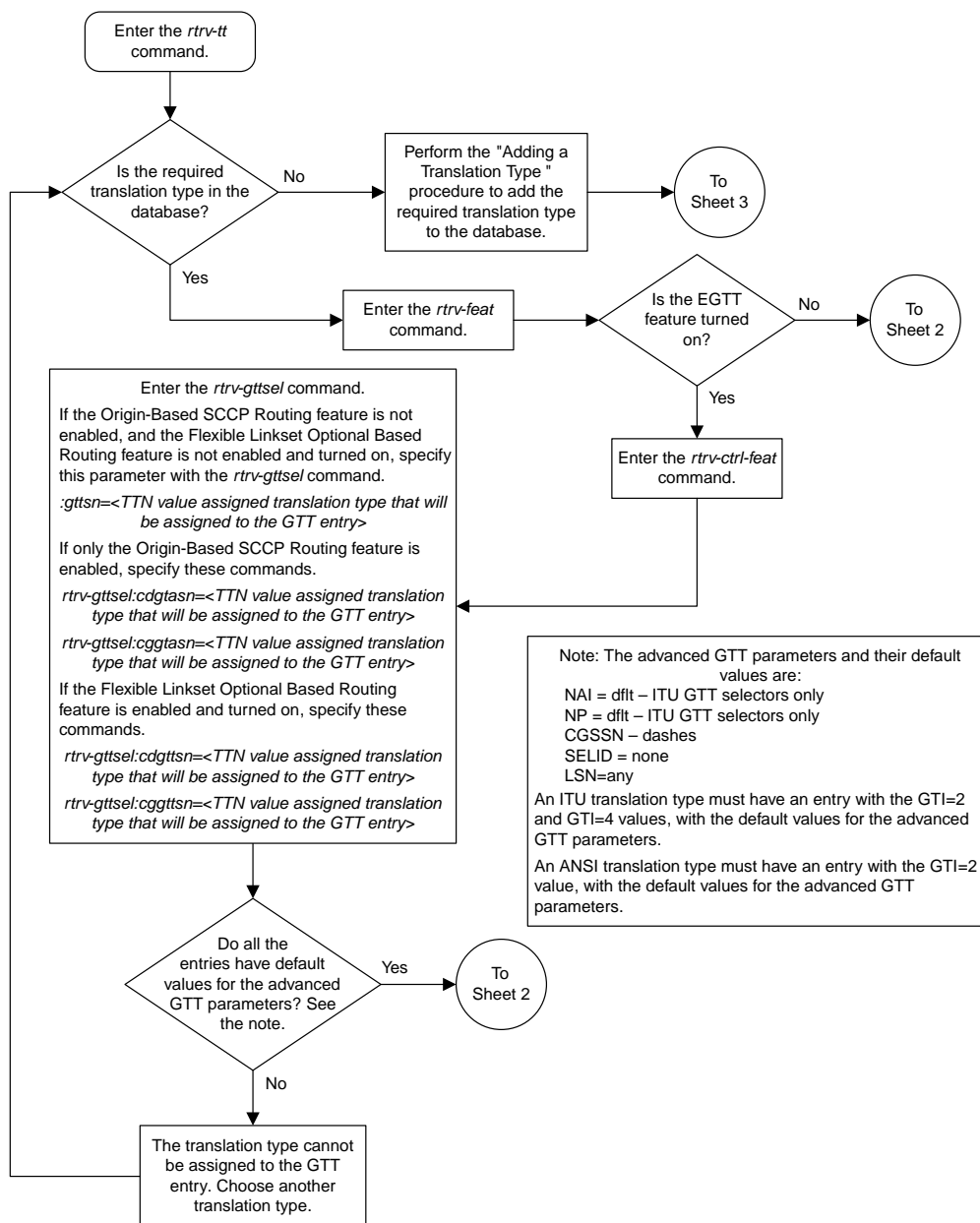


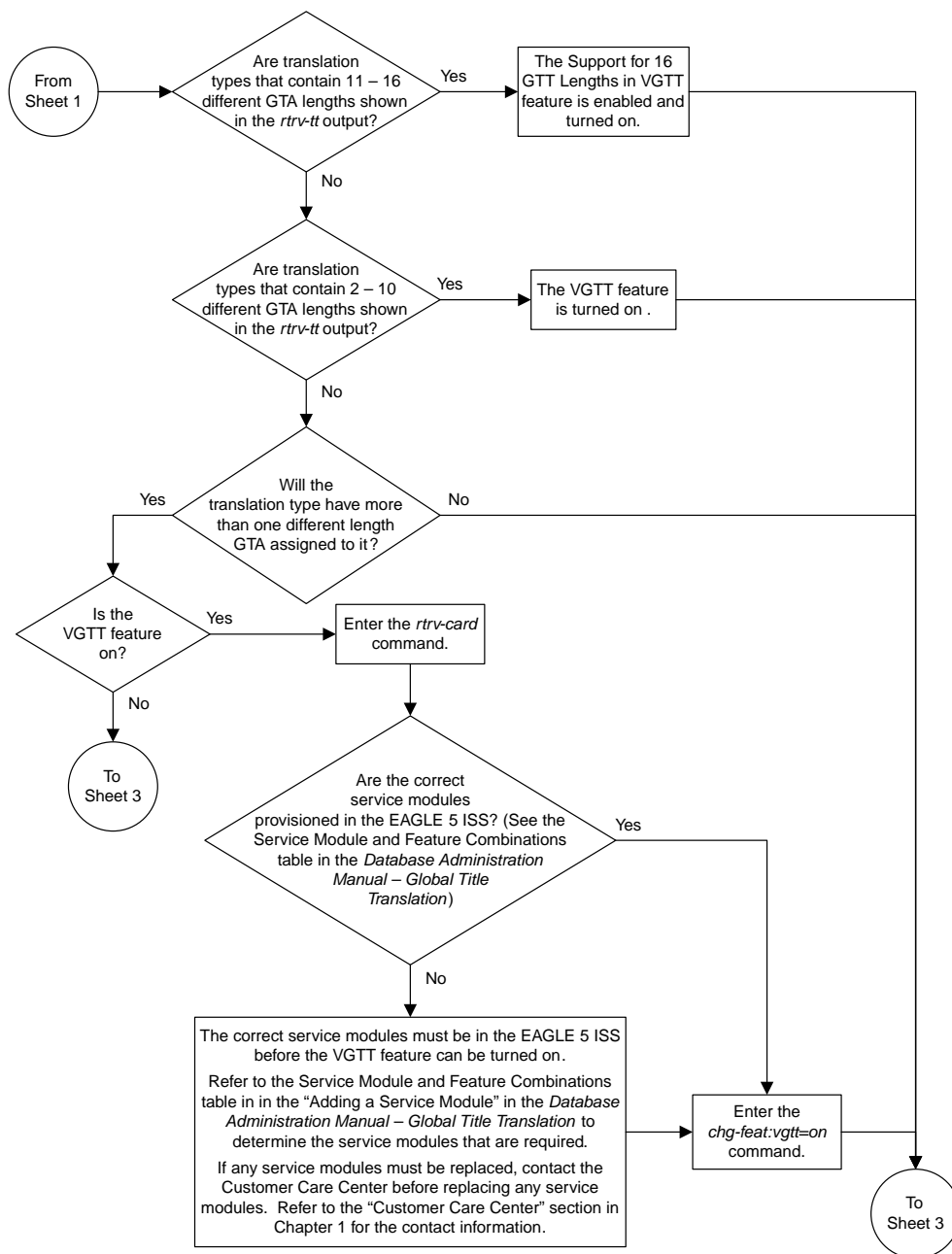
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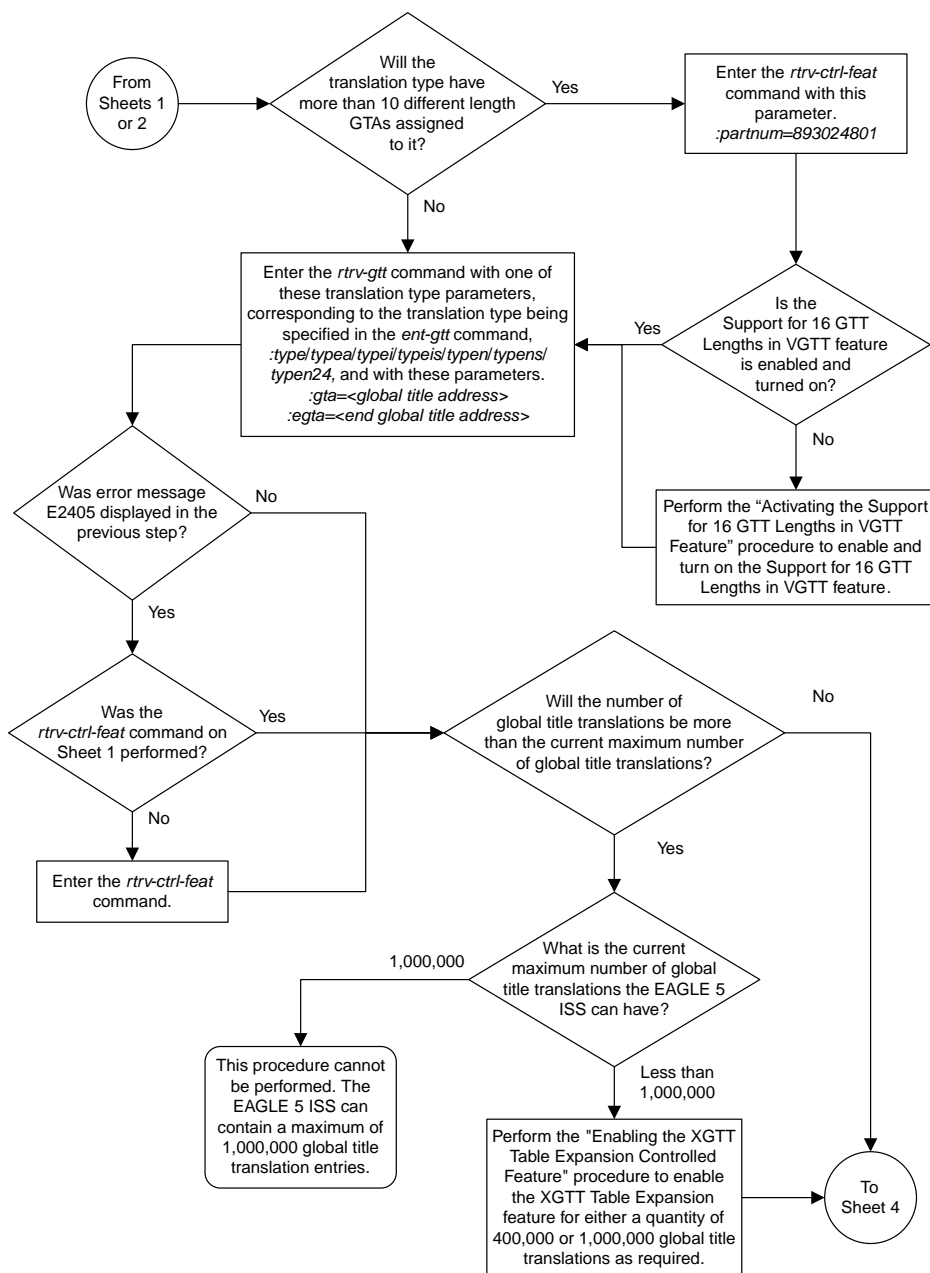
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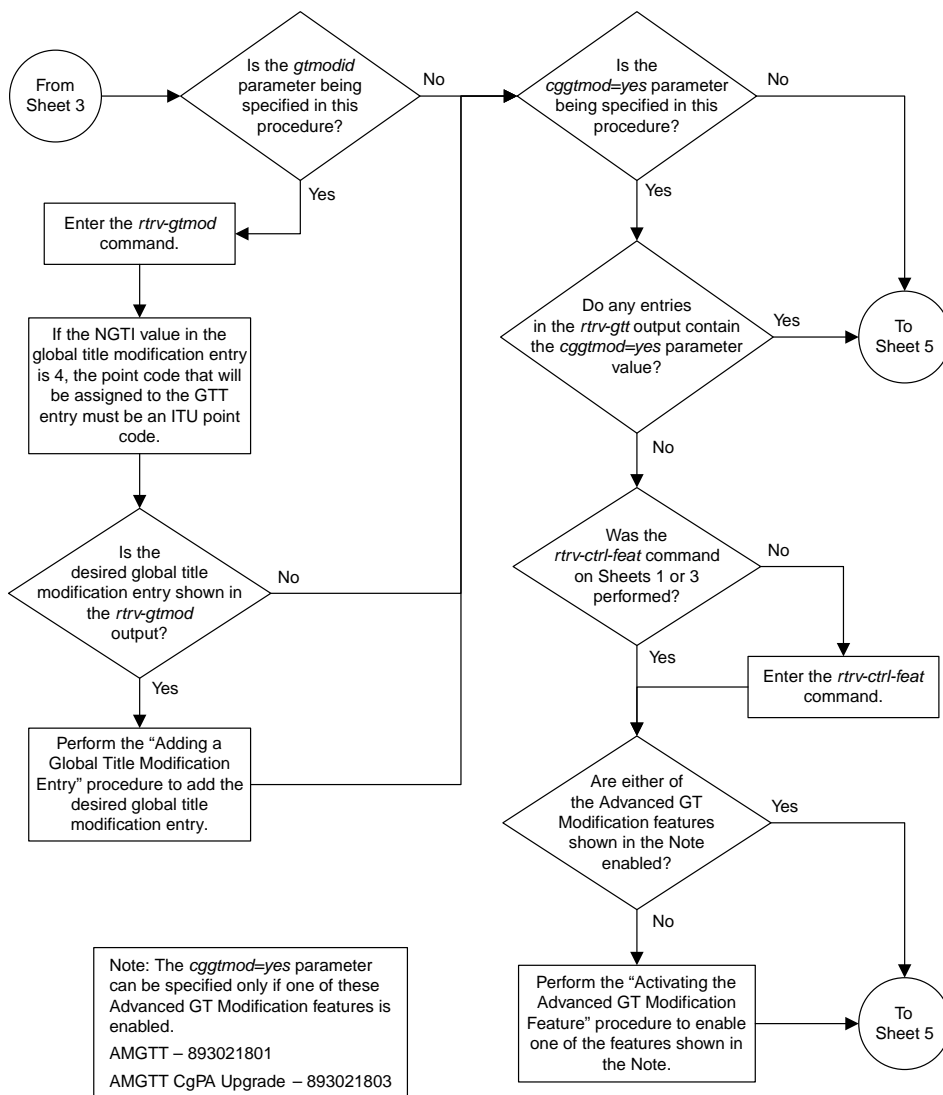
## Adding a Global Title Translation



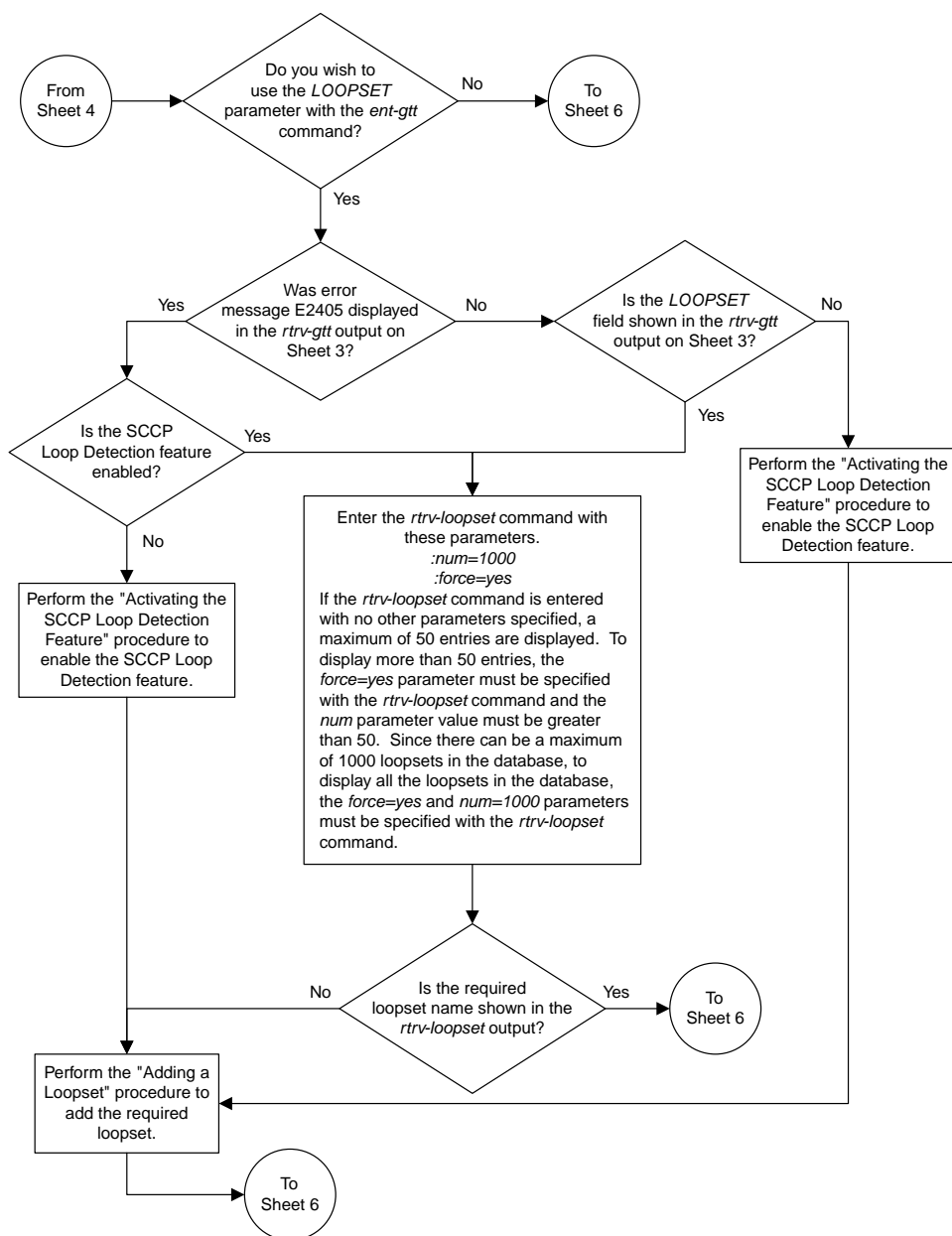


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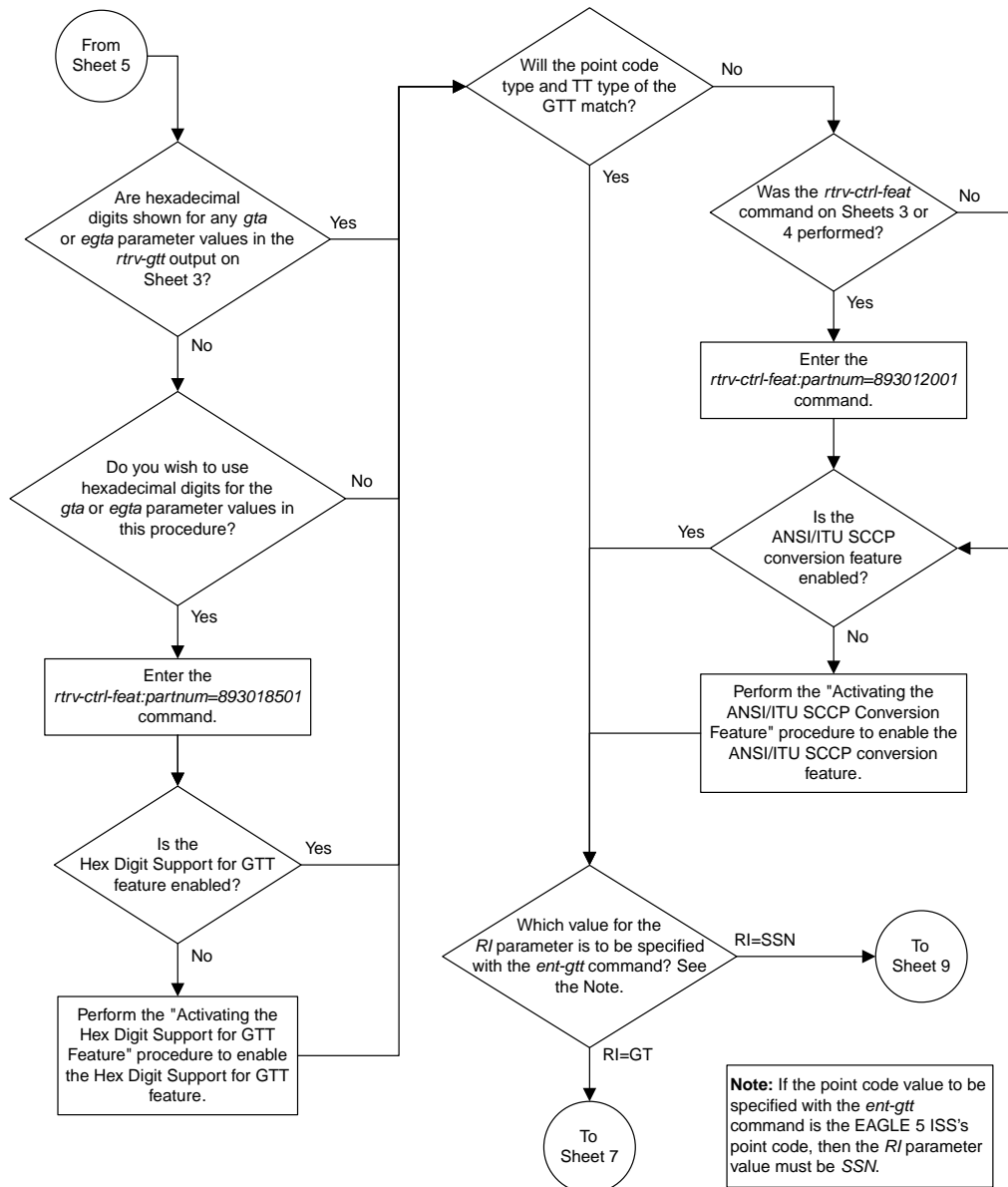




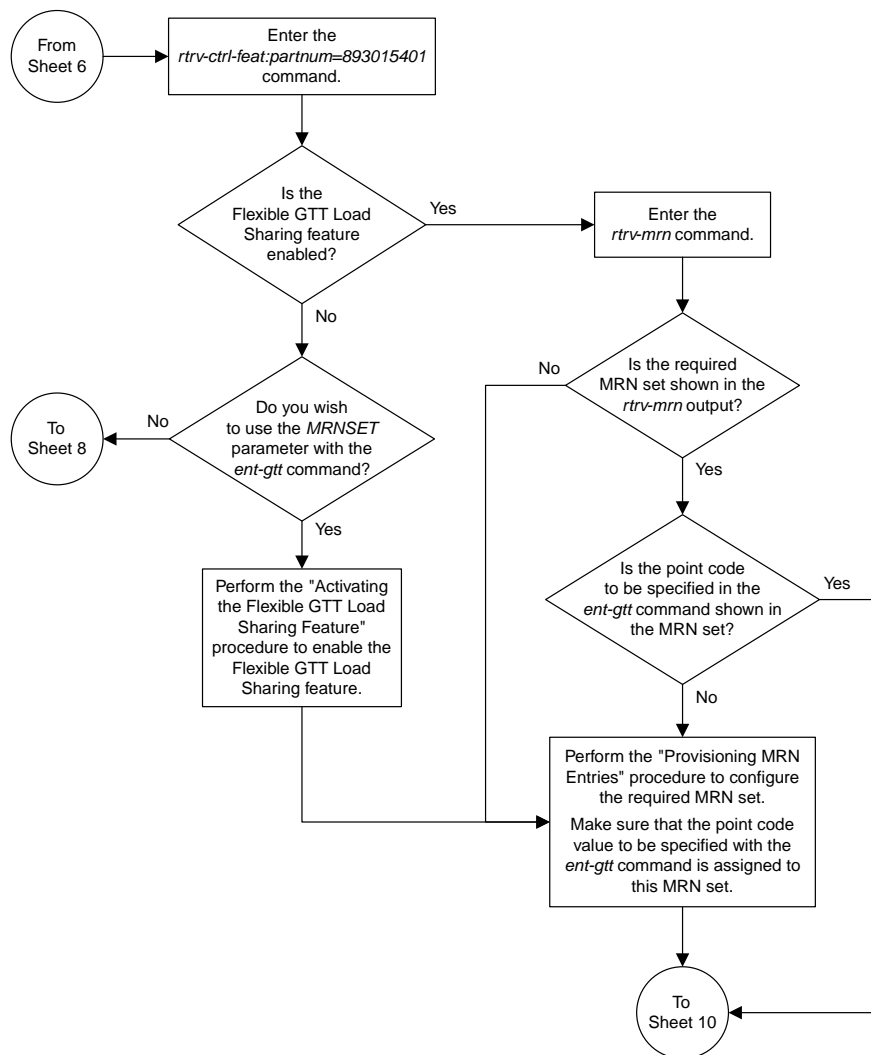


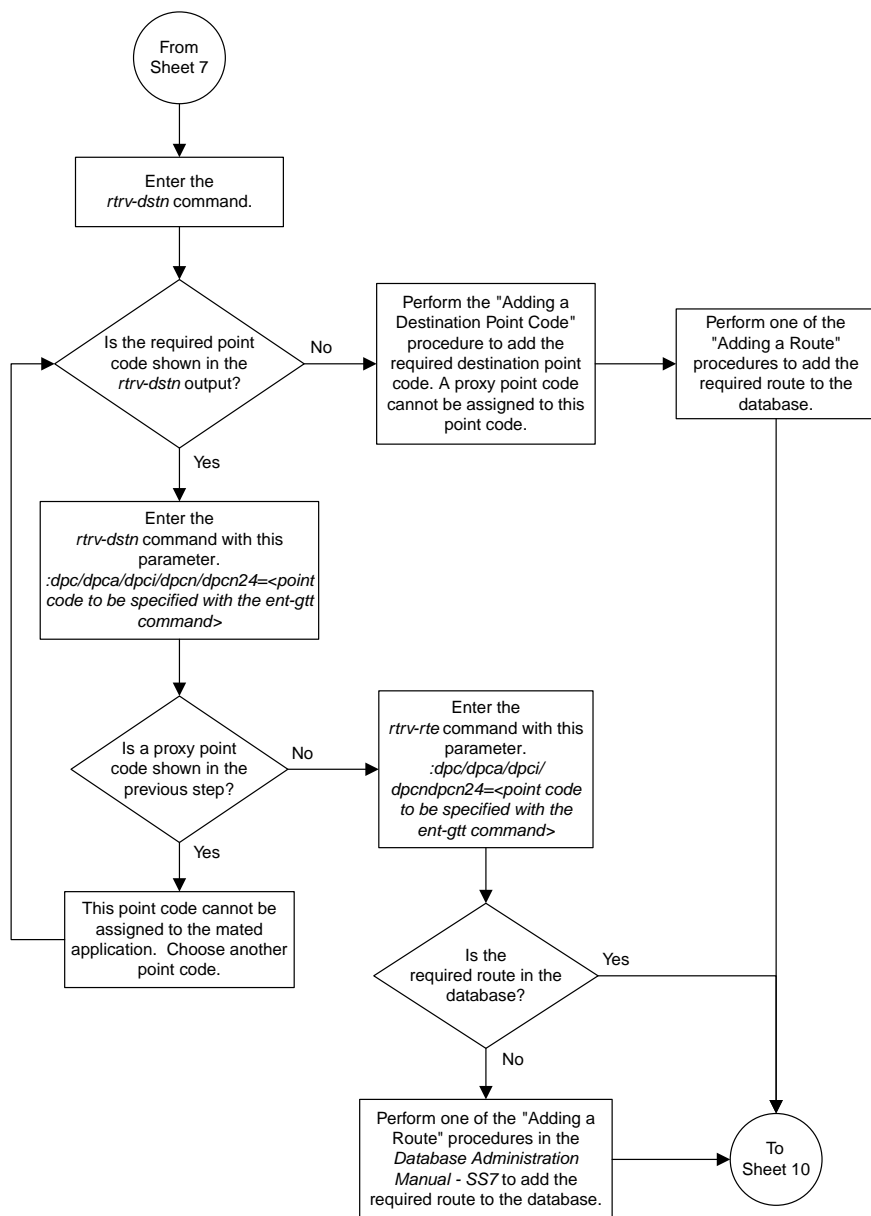


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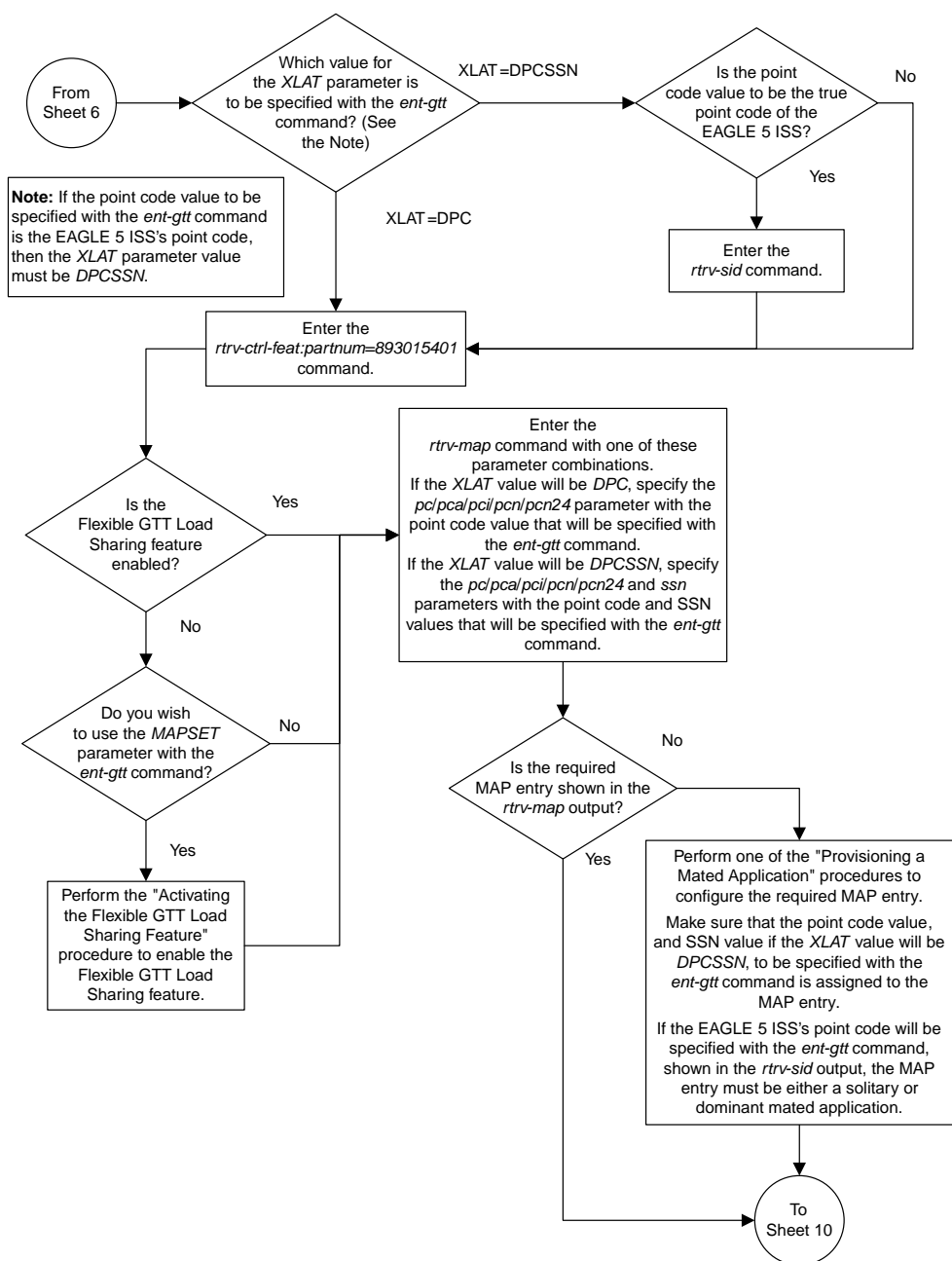


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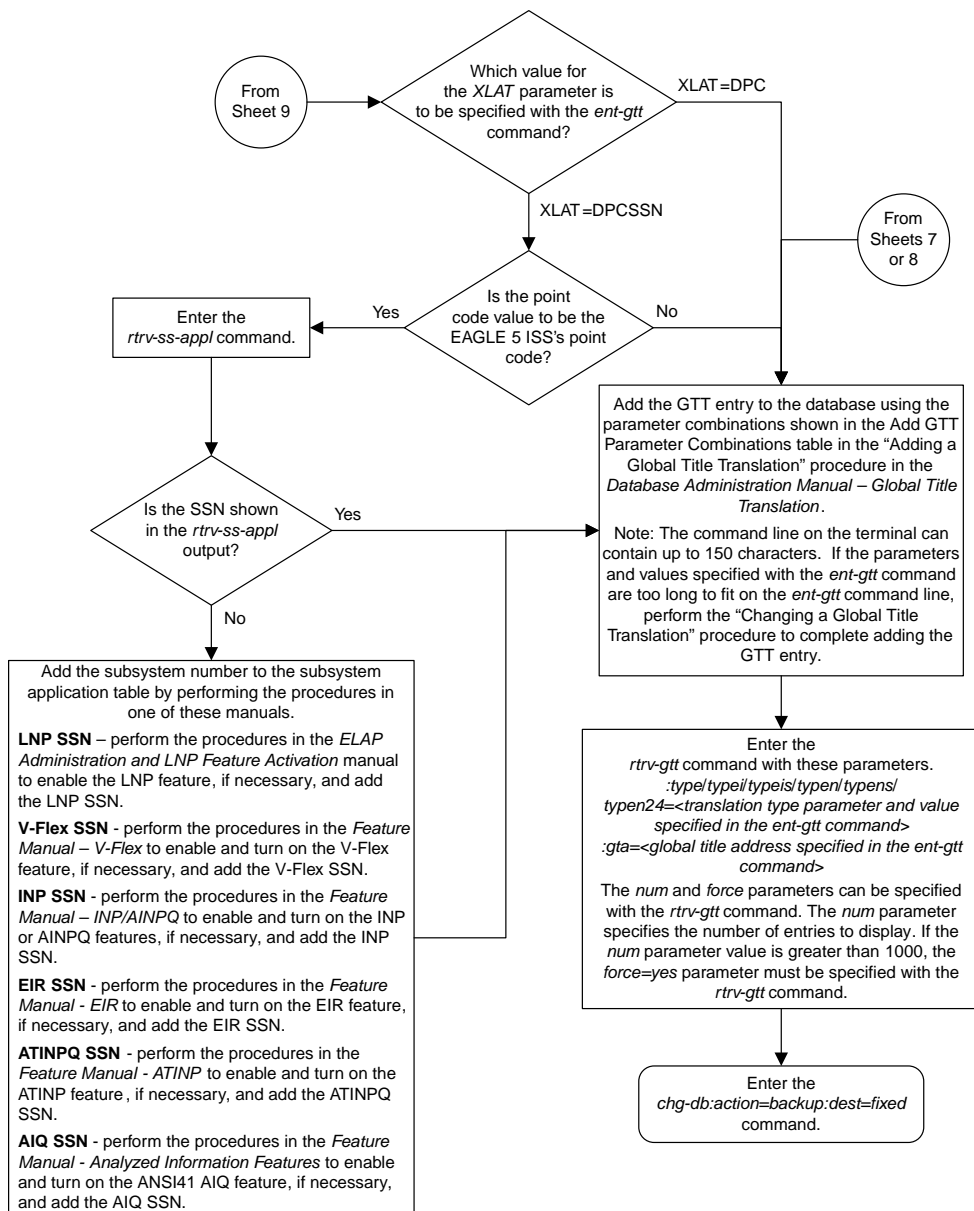




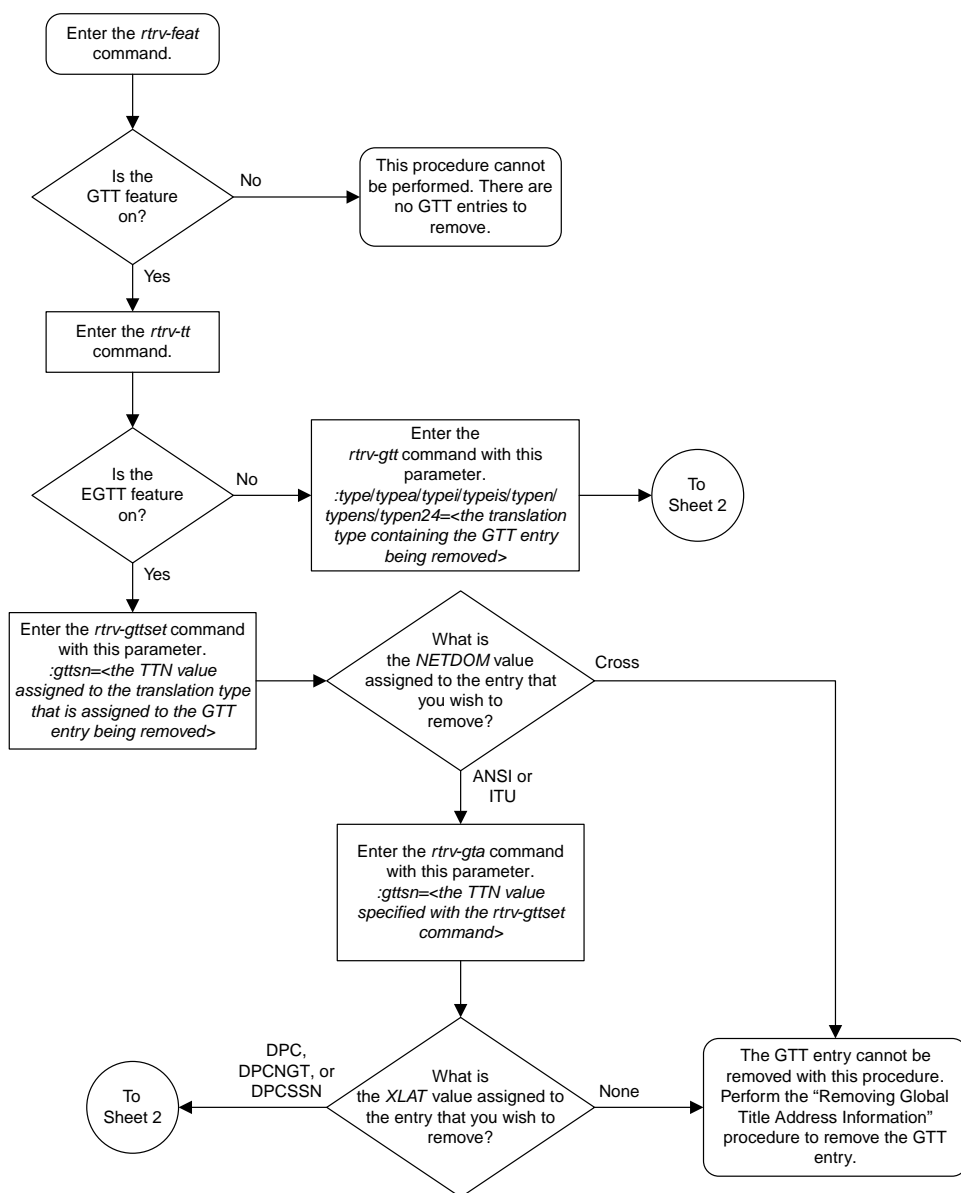
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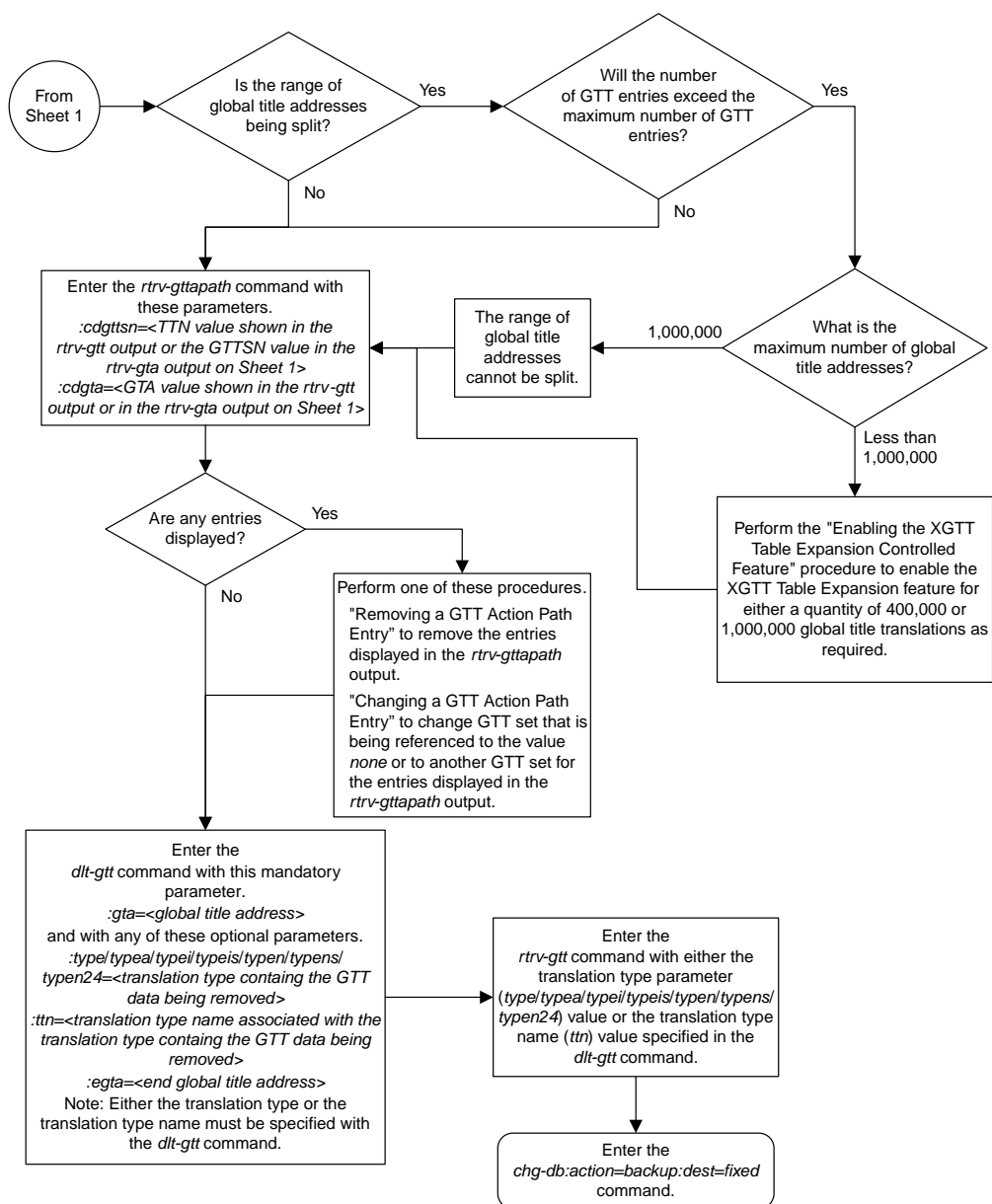
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## Removing a Global Title Translation



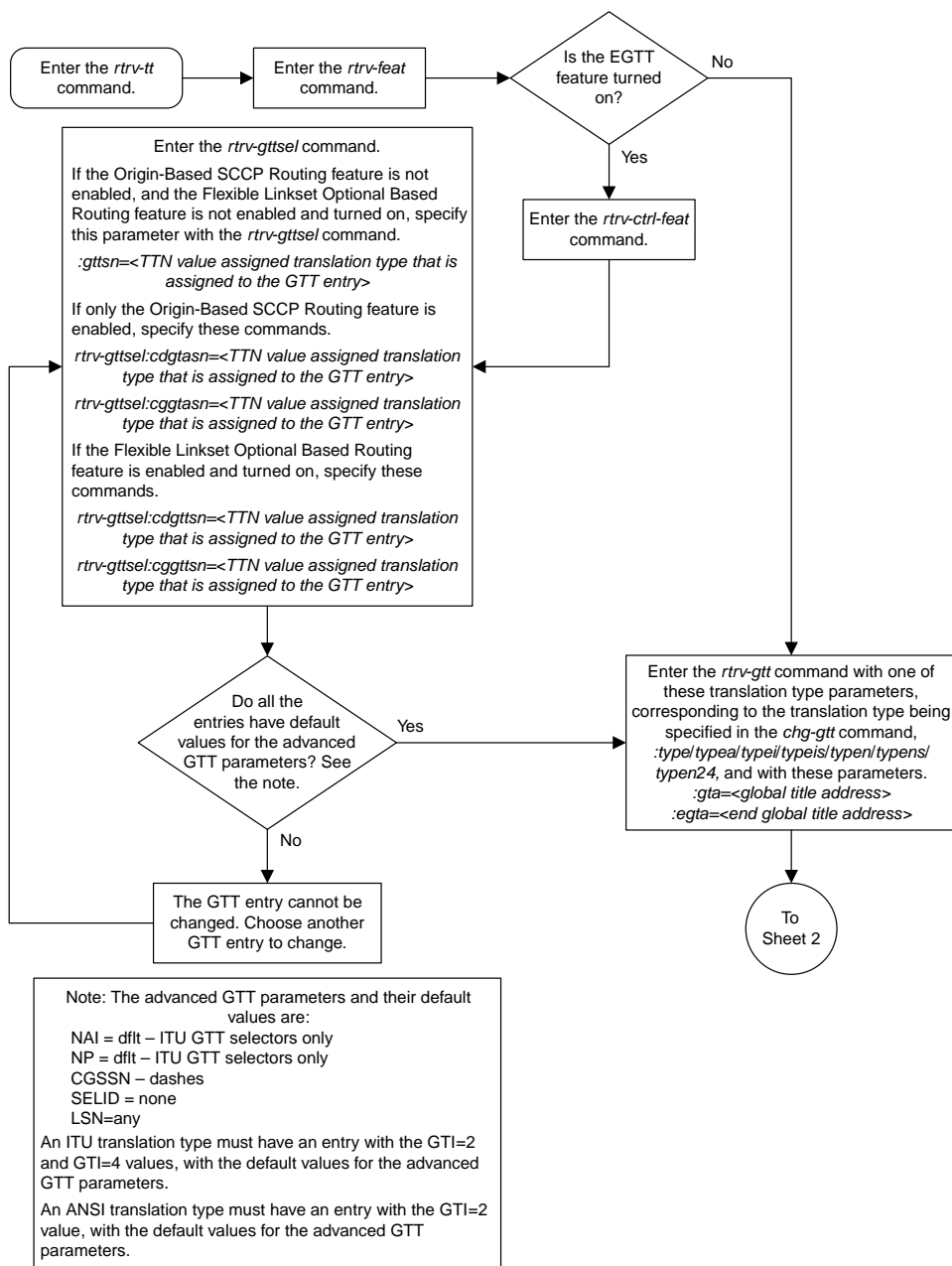
Sheet 1 of 2

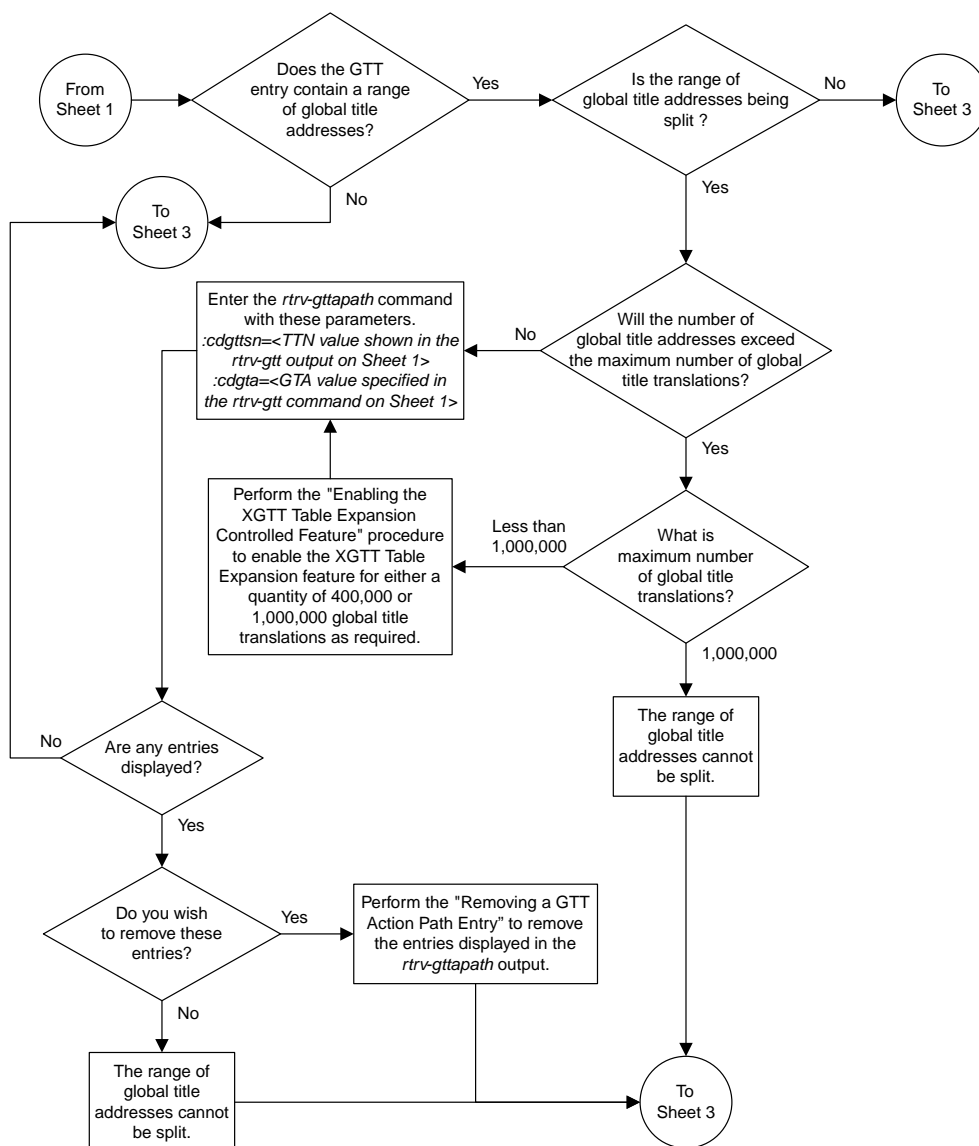


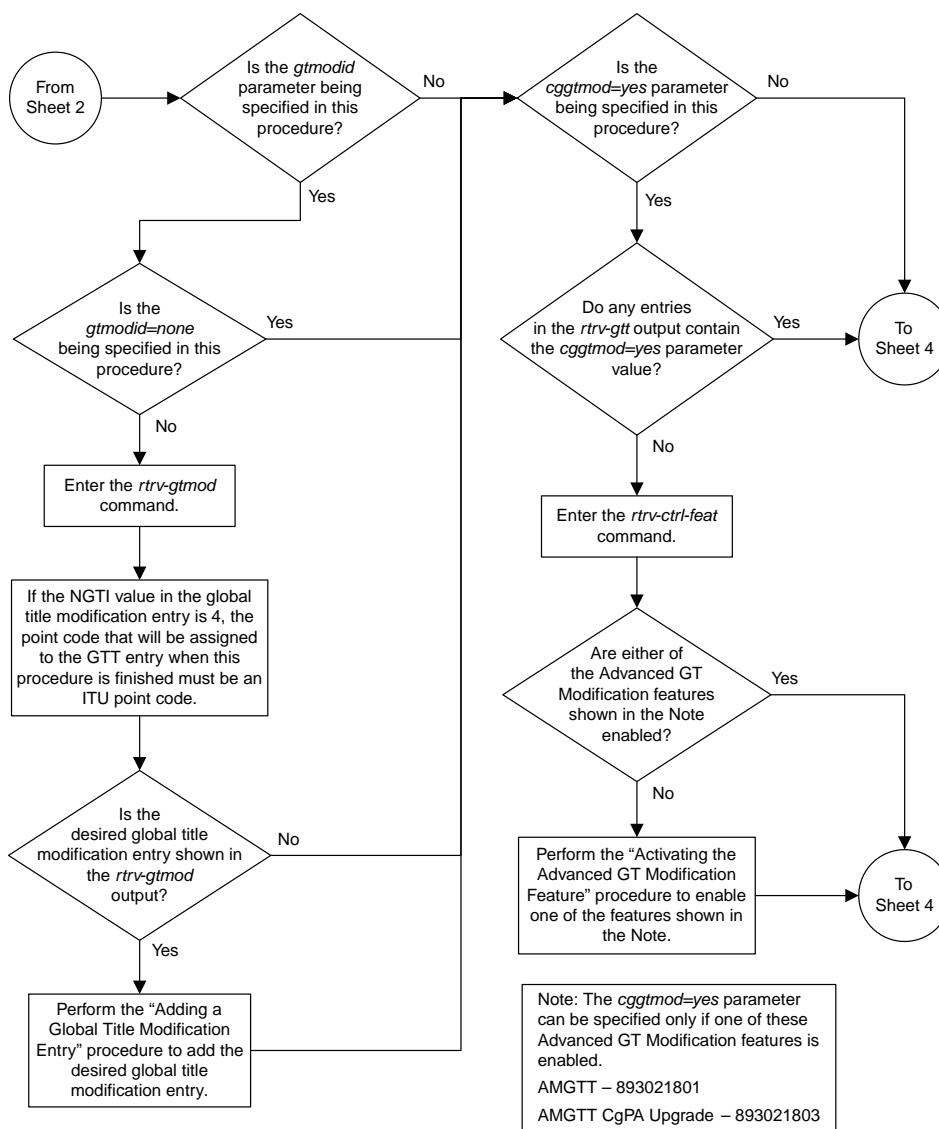
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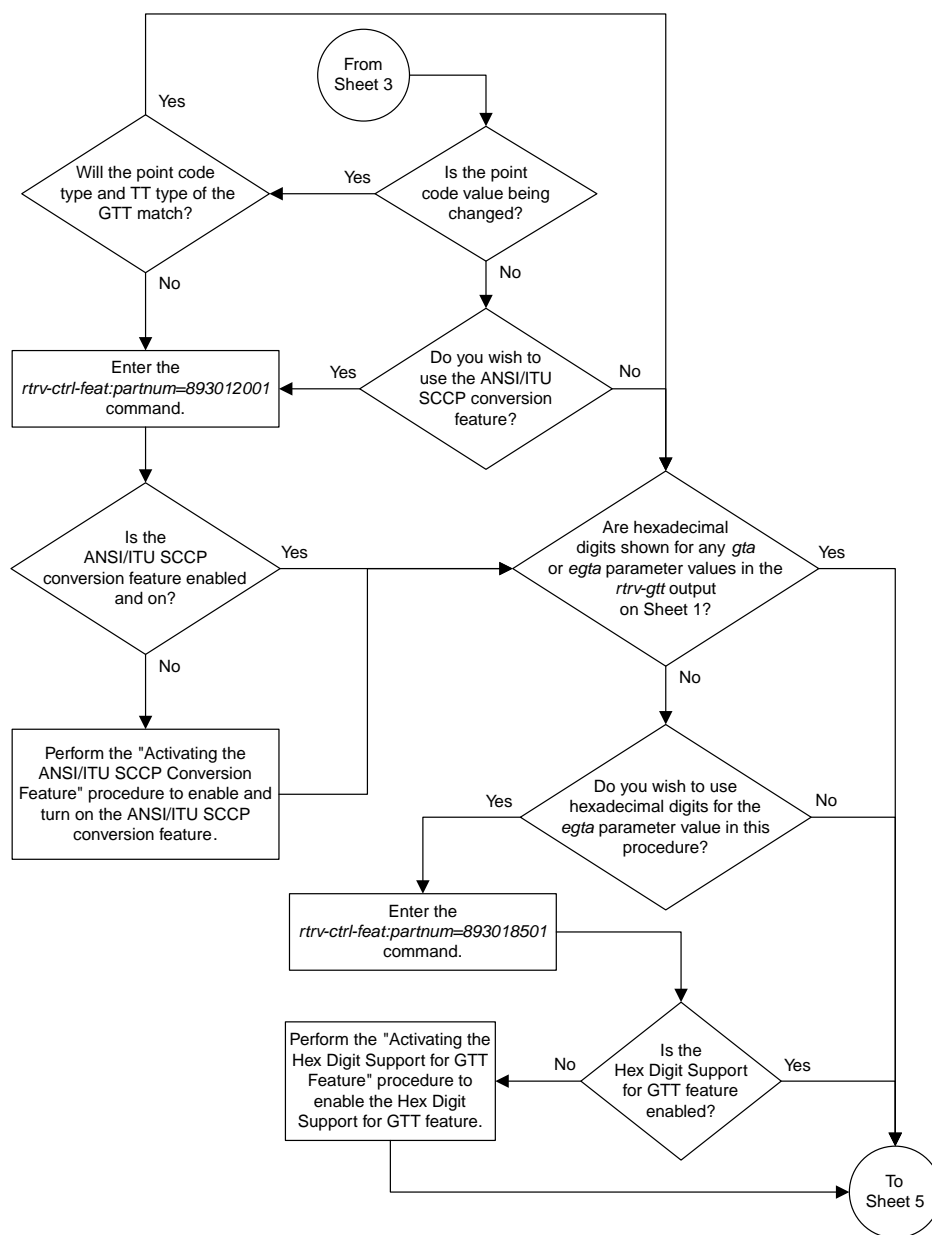


## Changing a Global Title Translation

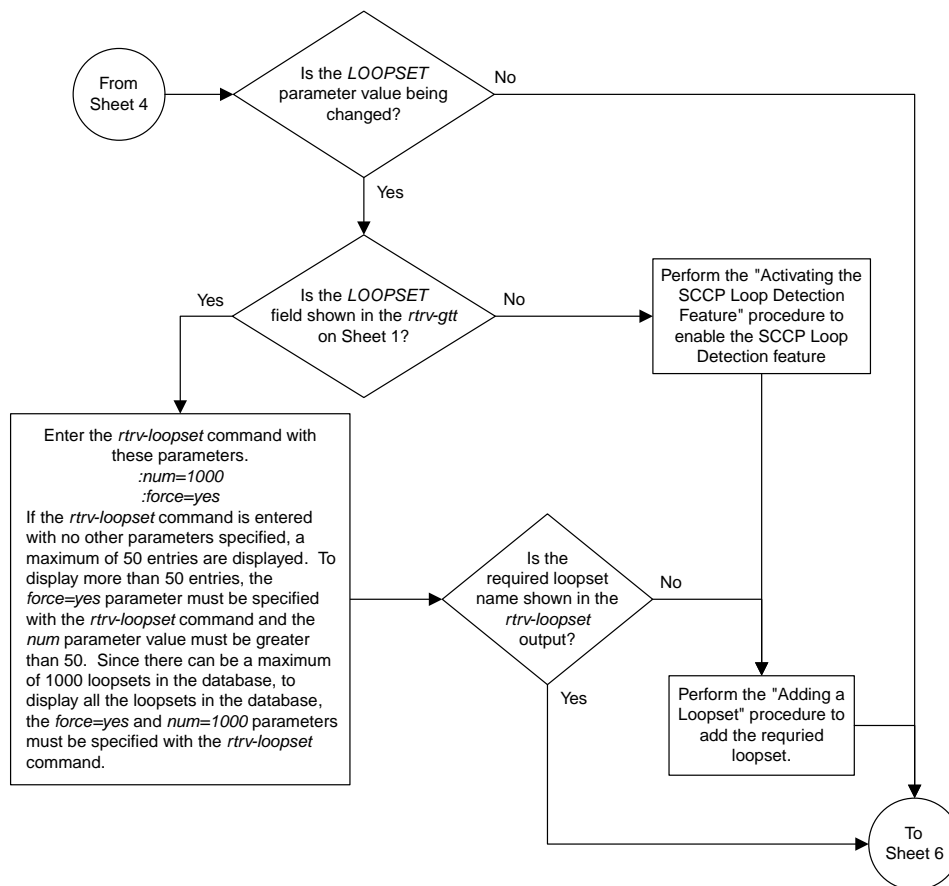


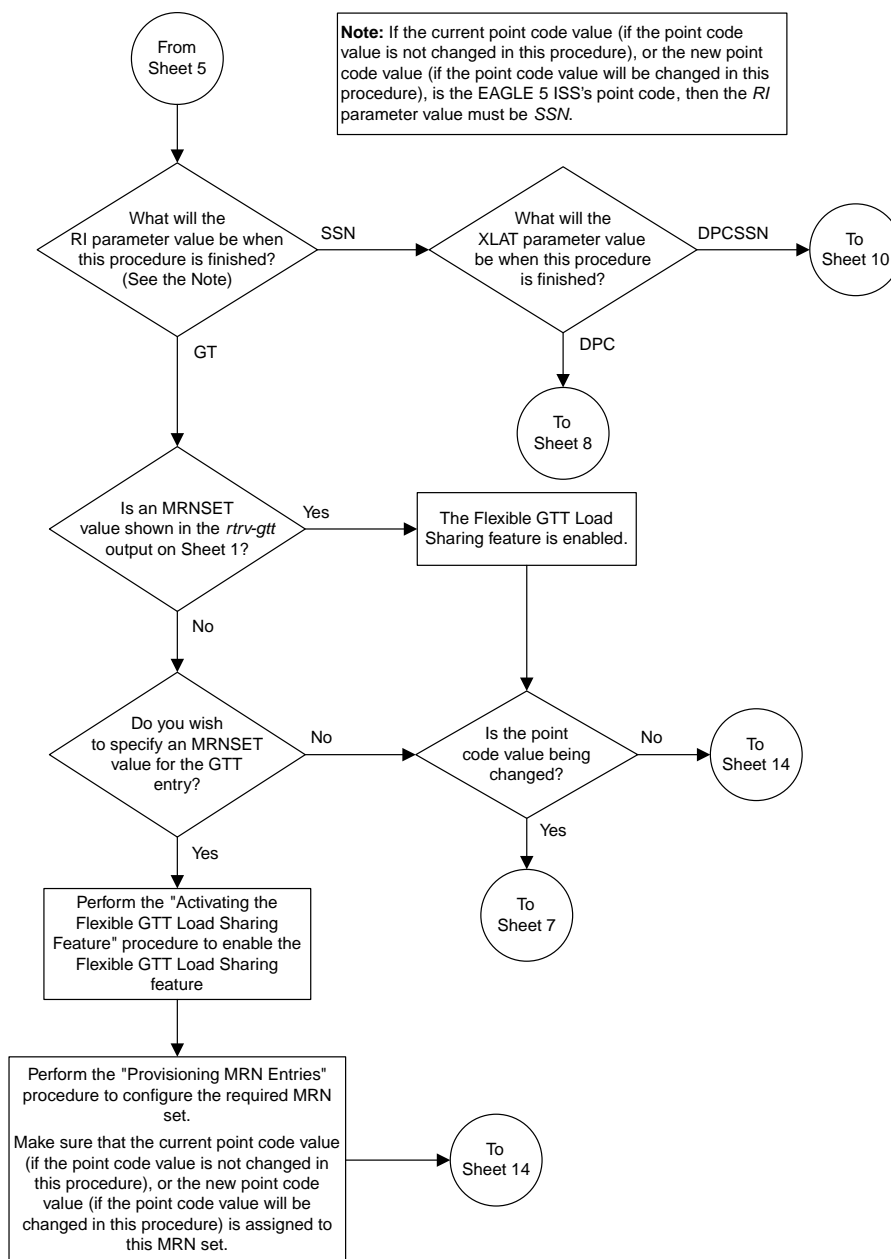




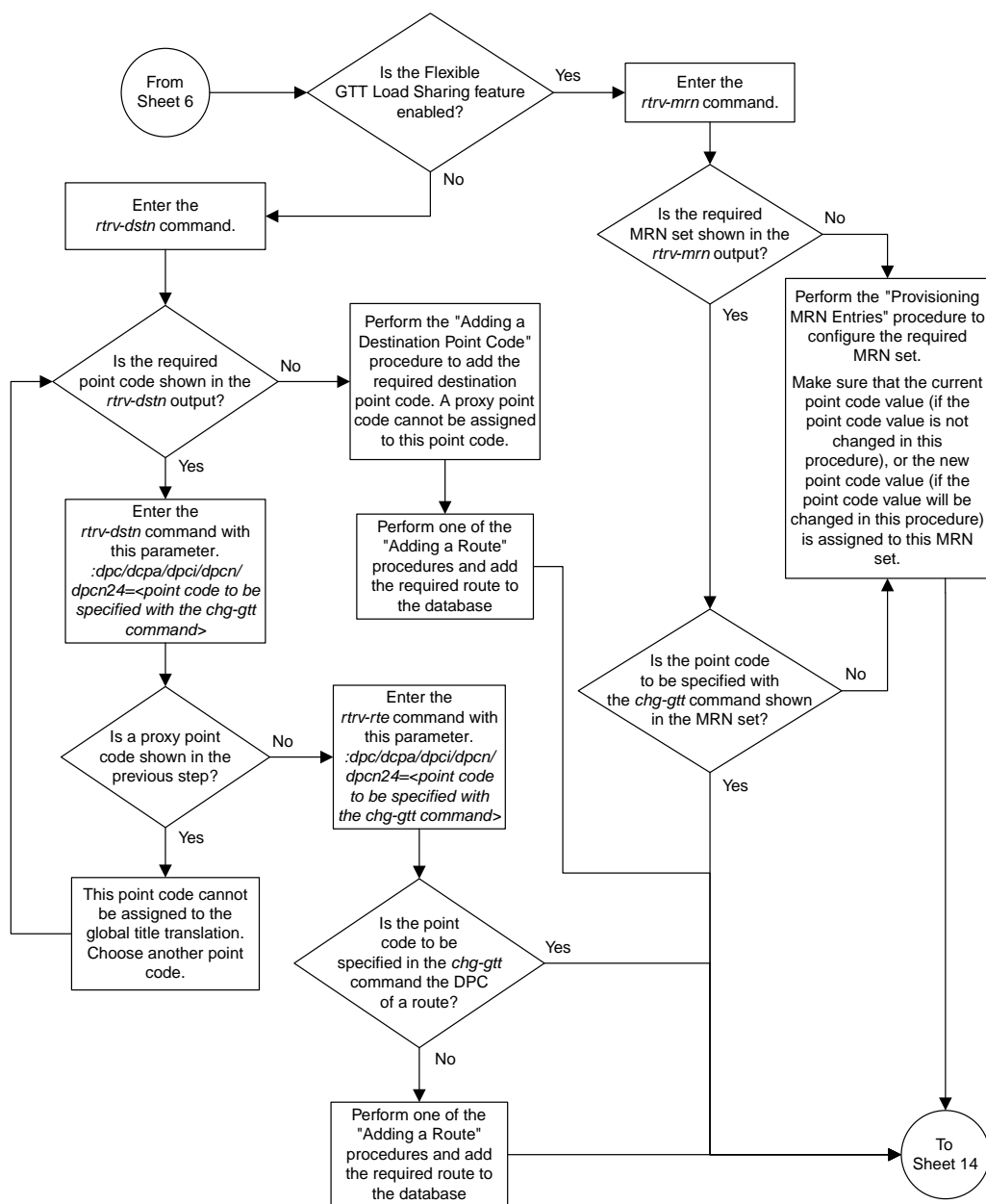


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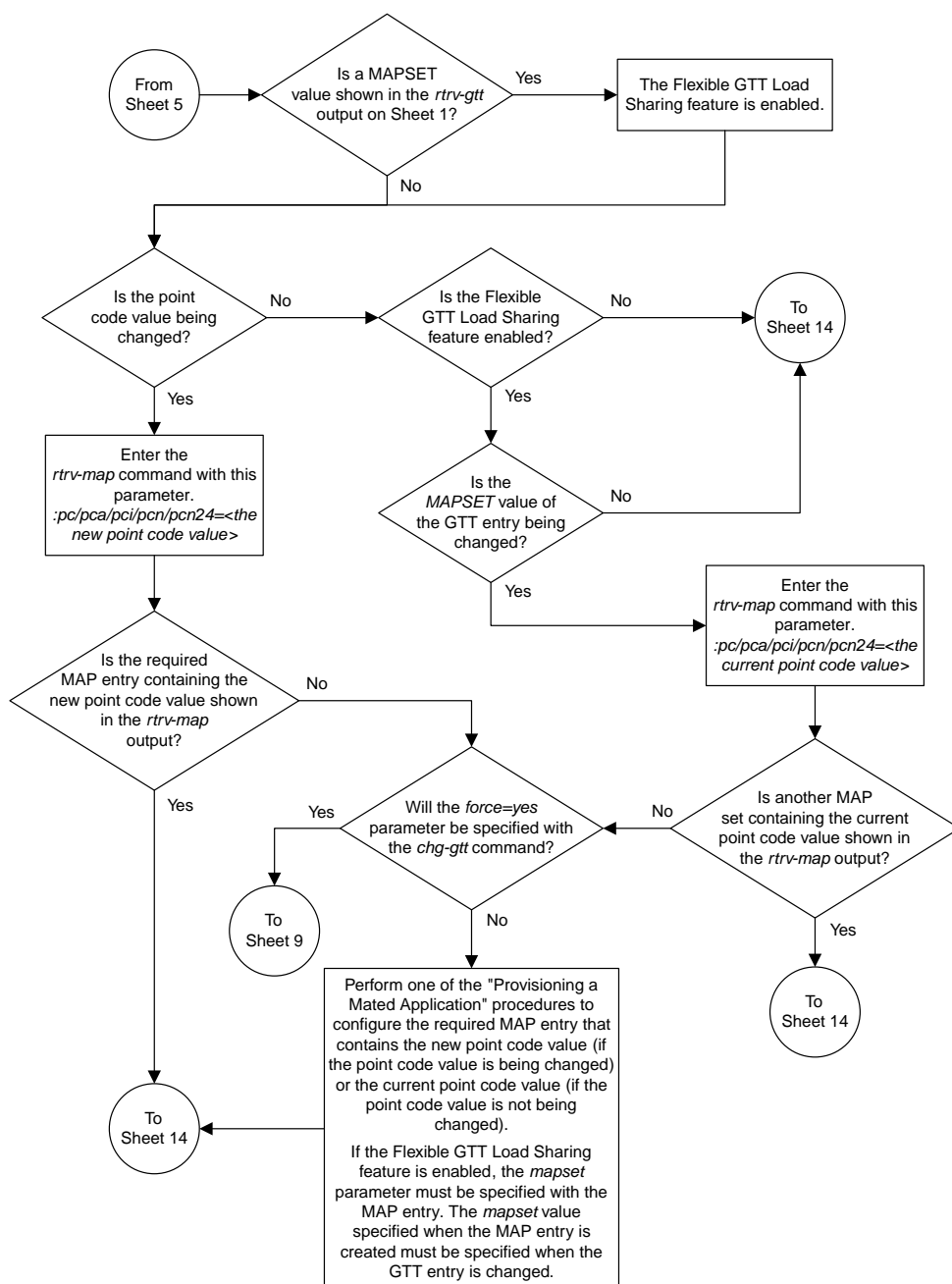




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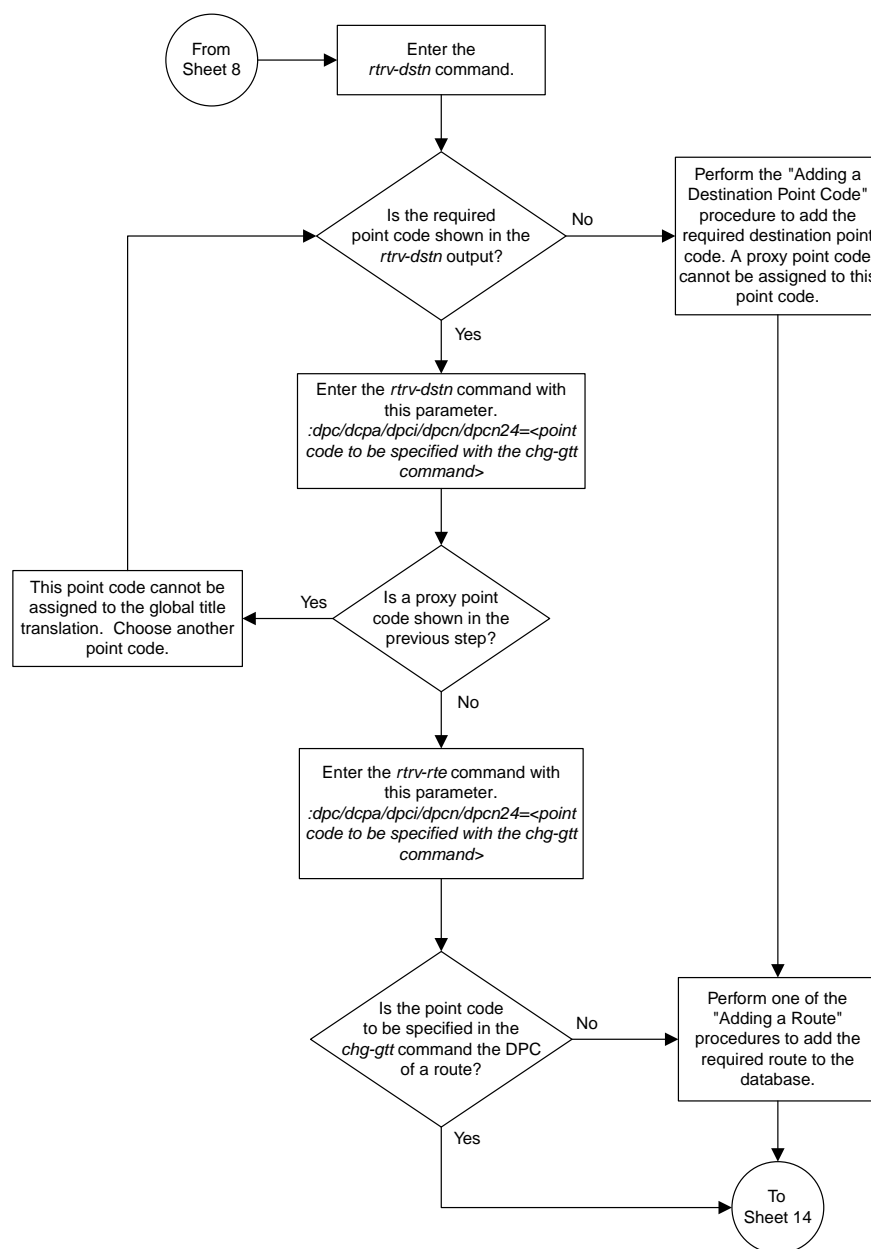


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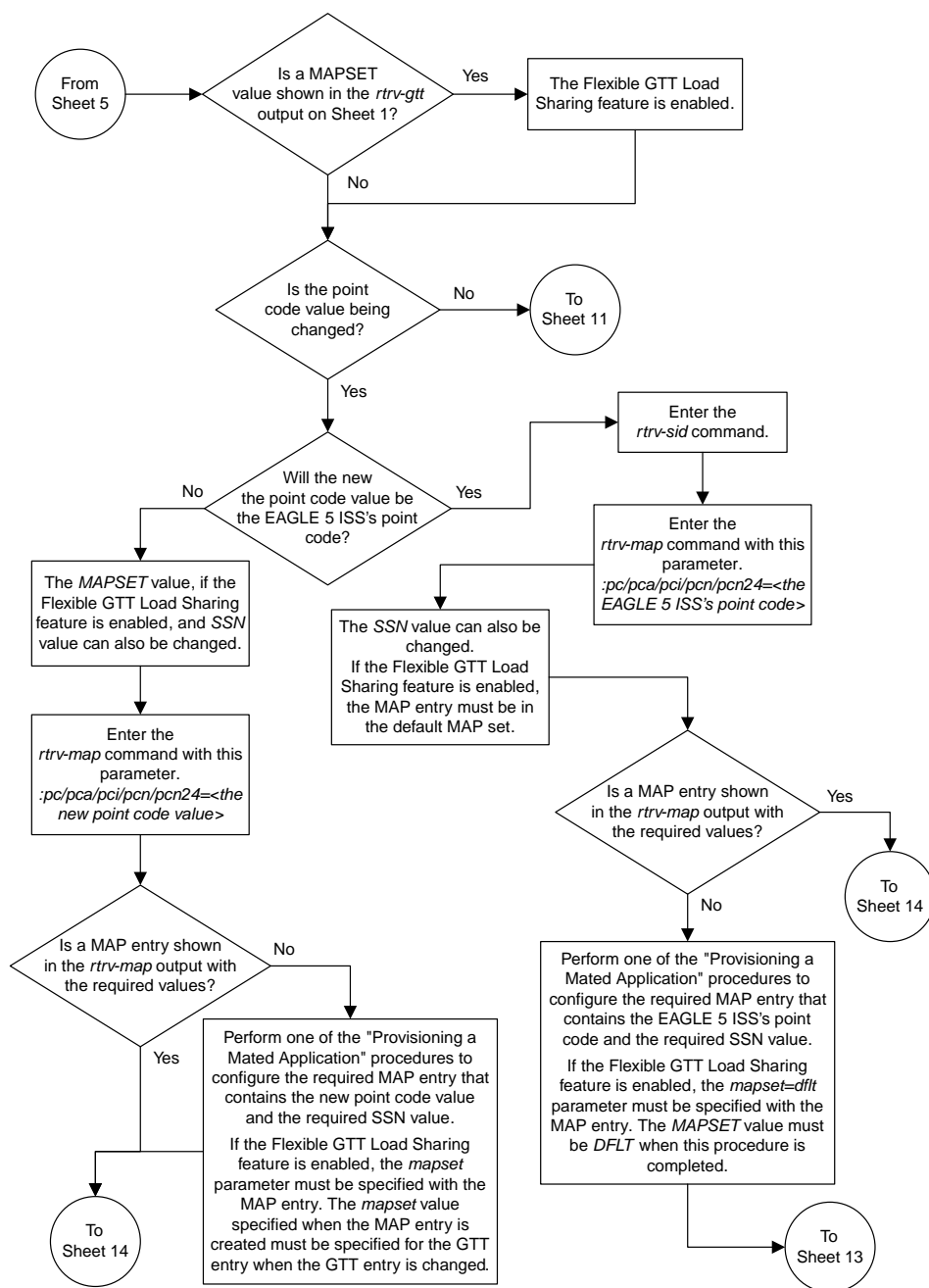


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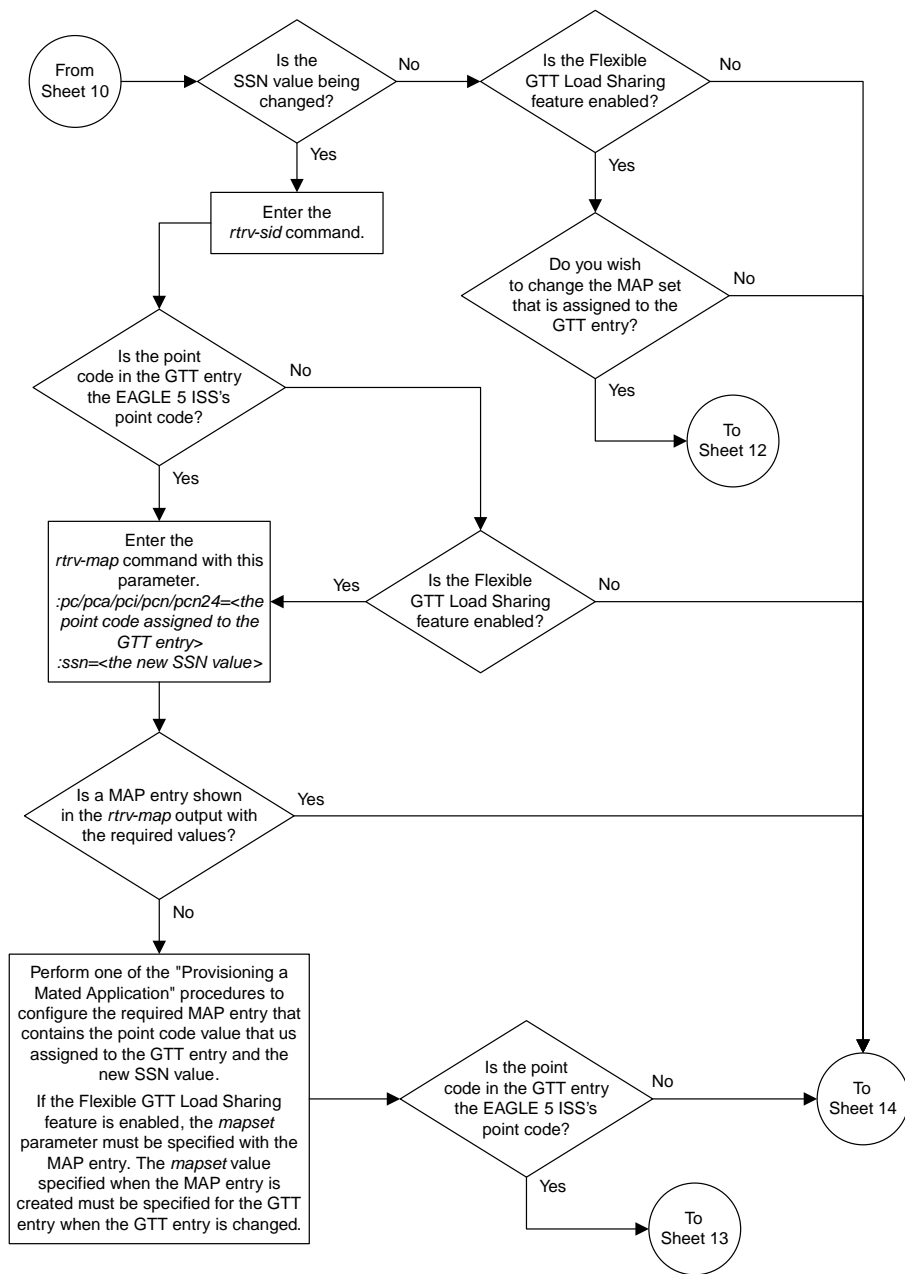




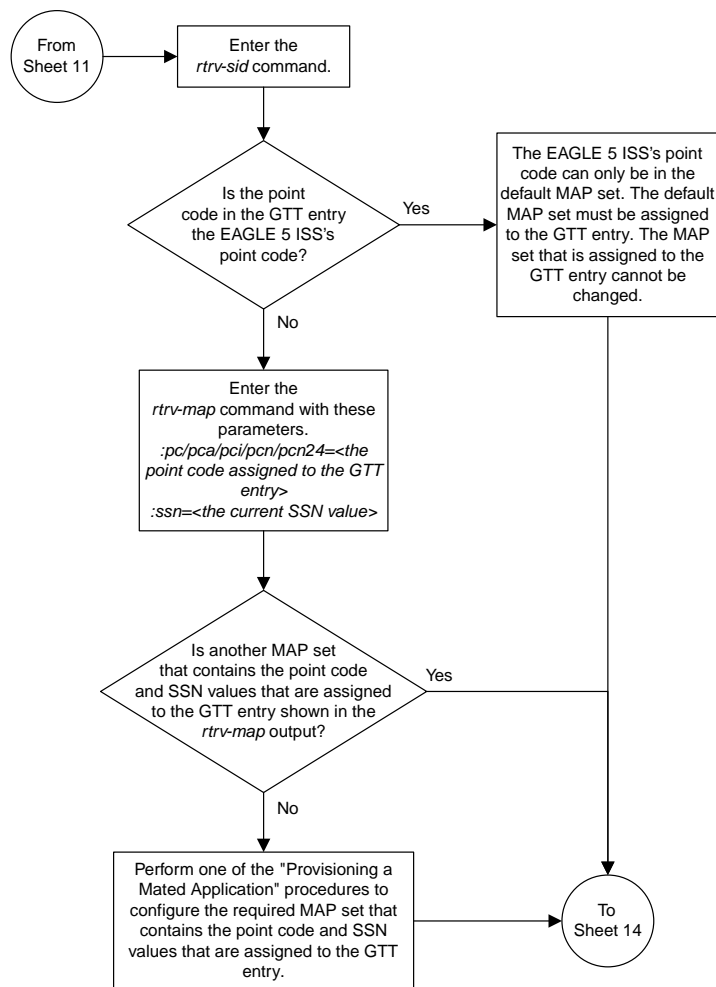
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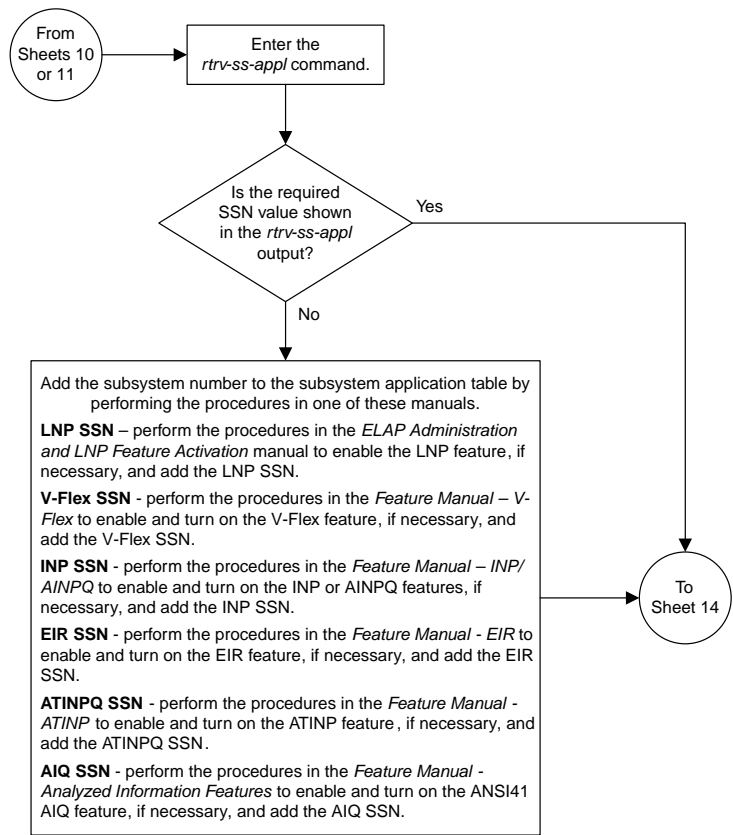


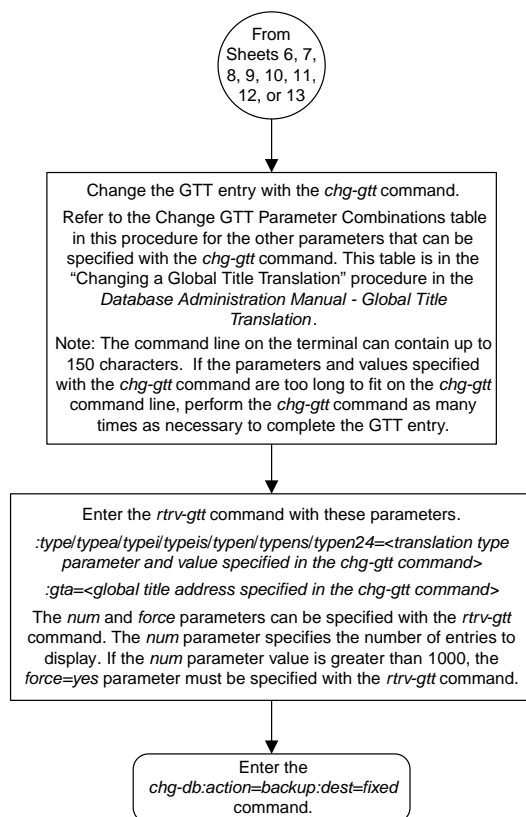
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# Chapter 9

## Enhanced Global Title Translation (EGTT) Configuration Flowcharts

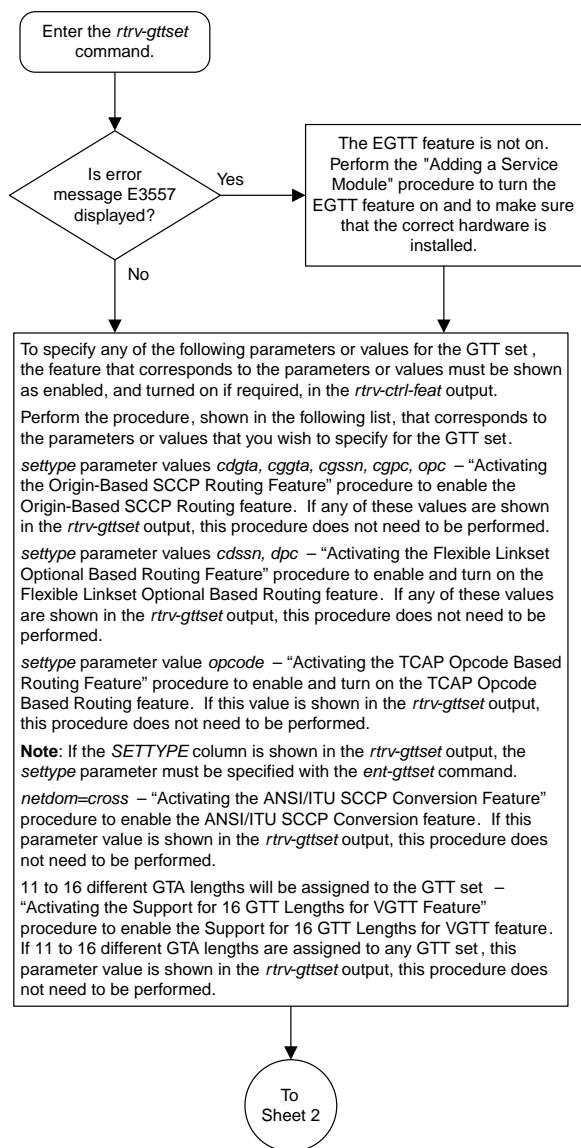
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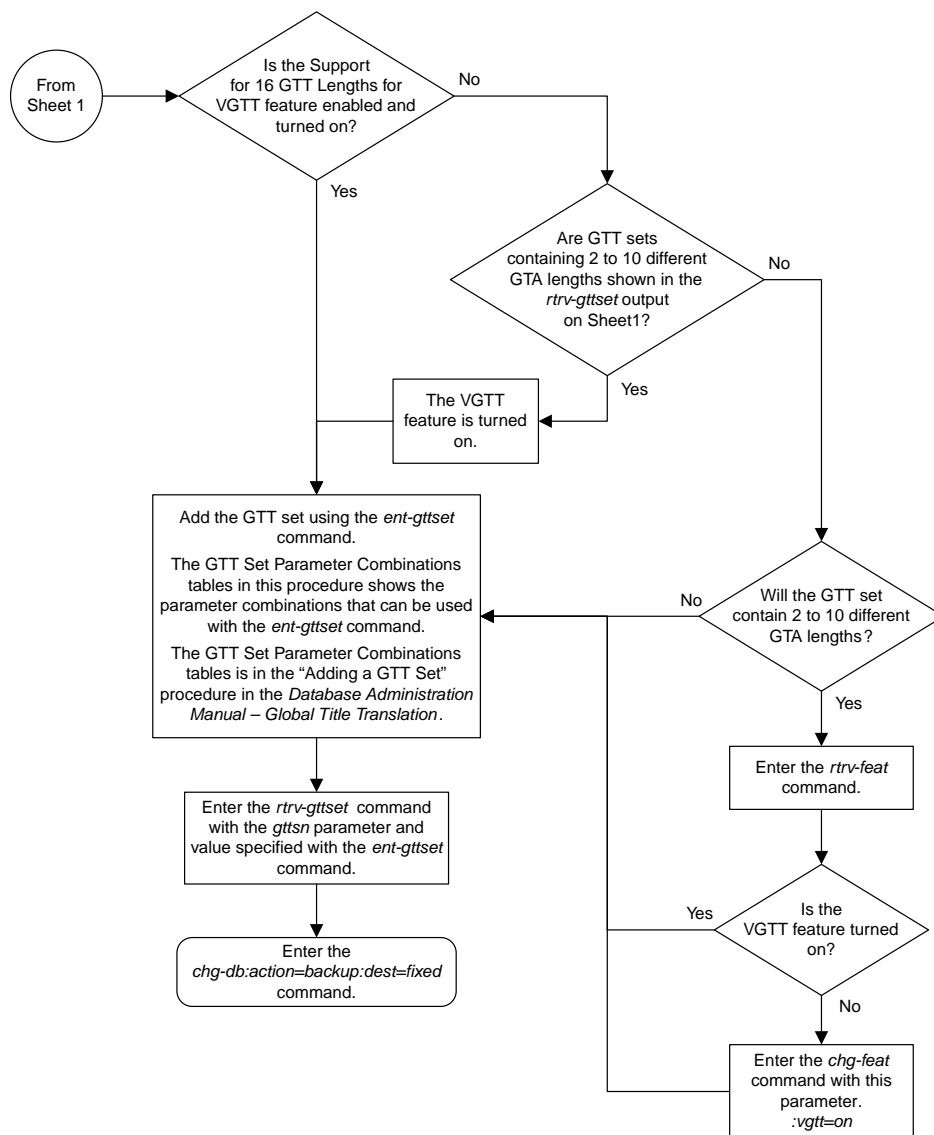
- [Adding a GTT Set.....544](#)
- [Removing a GTT Set.....546](#)
- [Changing a GTT Set.....548](#)
- [Adding a GTT Selector.....551](#)
- [Removing a GTT Selector.....553](#)
- [Changing a GTT Selector.....554](#)
- [Adding Global Title Address Information.....555](#)
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- [Changing the Default GTT Mode Options.....581](#)
- [Adding a GTT Action.....584](#)
- [Removing a GTT Action Entry.....592](#)
- [Changing a GTT Action.....595](#)
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- [Adding a GTT Action Path Entry.....609](#)
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- [Changing a GTT Action Path Entry.....613](#)
- [Changing the Unique GTT Selector Option.....616](#)

This chapter contains the flowcharts for the procedures used to configure the Enhanced Global Title Translation feature. These procedures are located in the *Database Administration Manual - Global Title Translation*.

## Adding a GTT Set

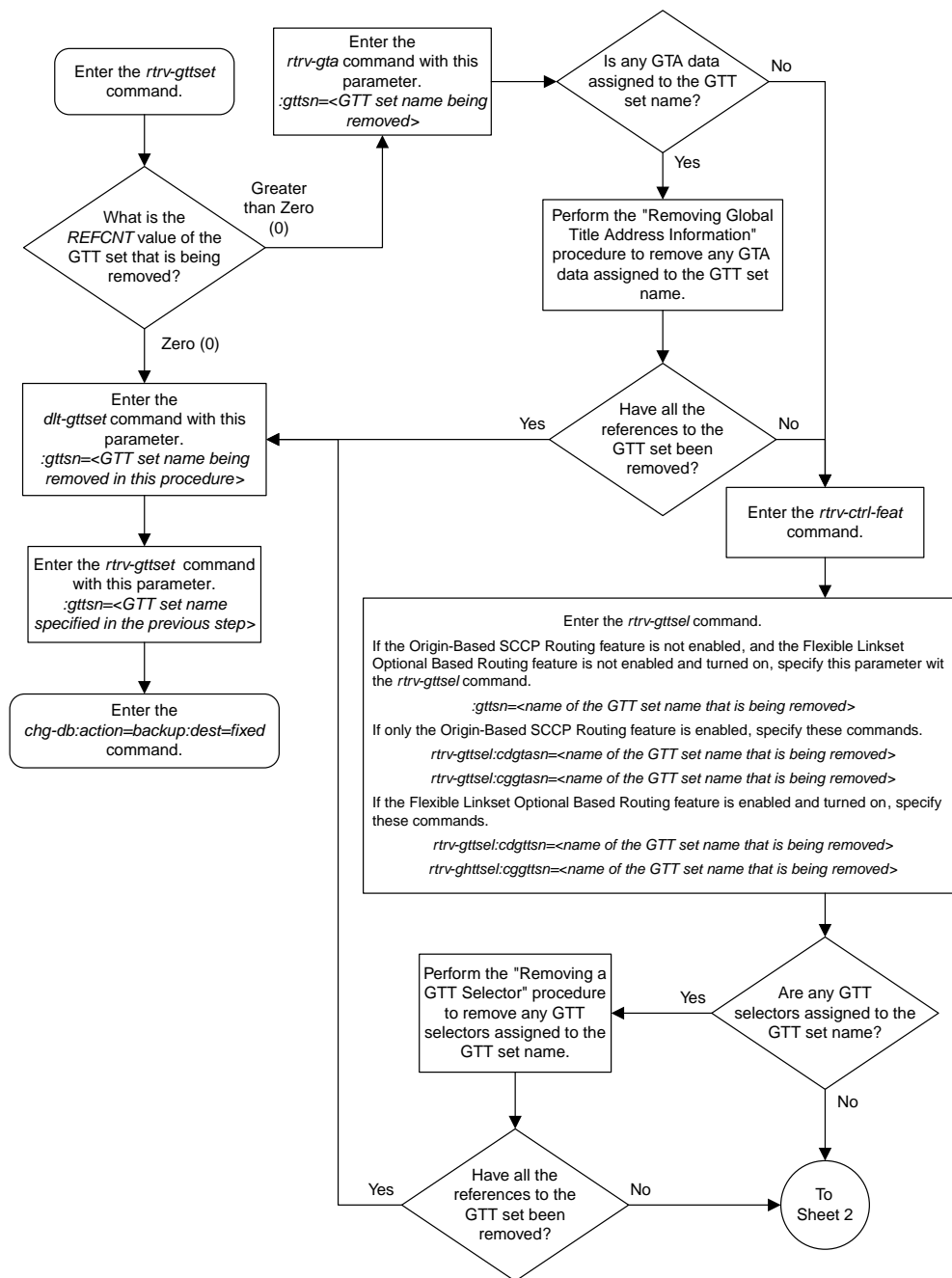




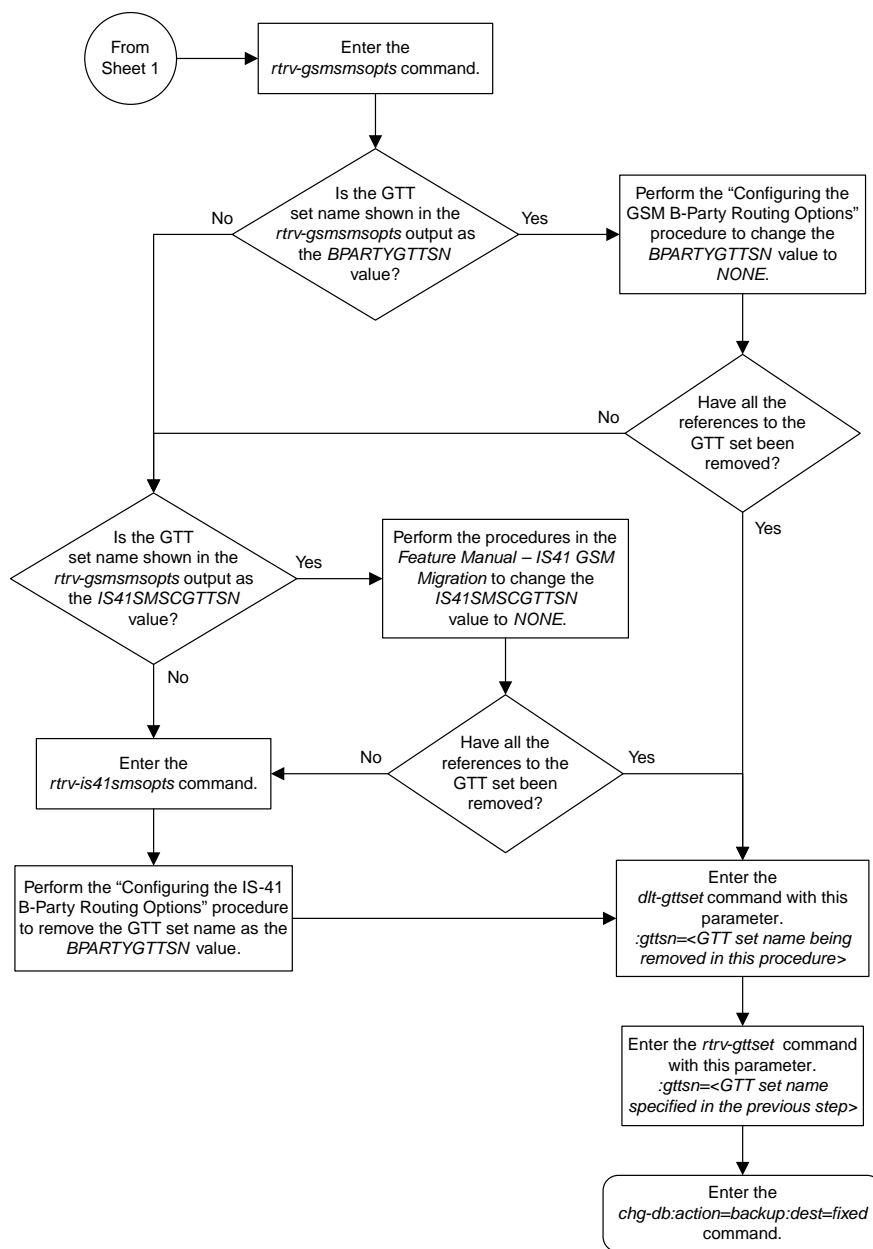


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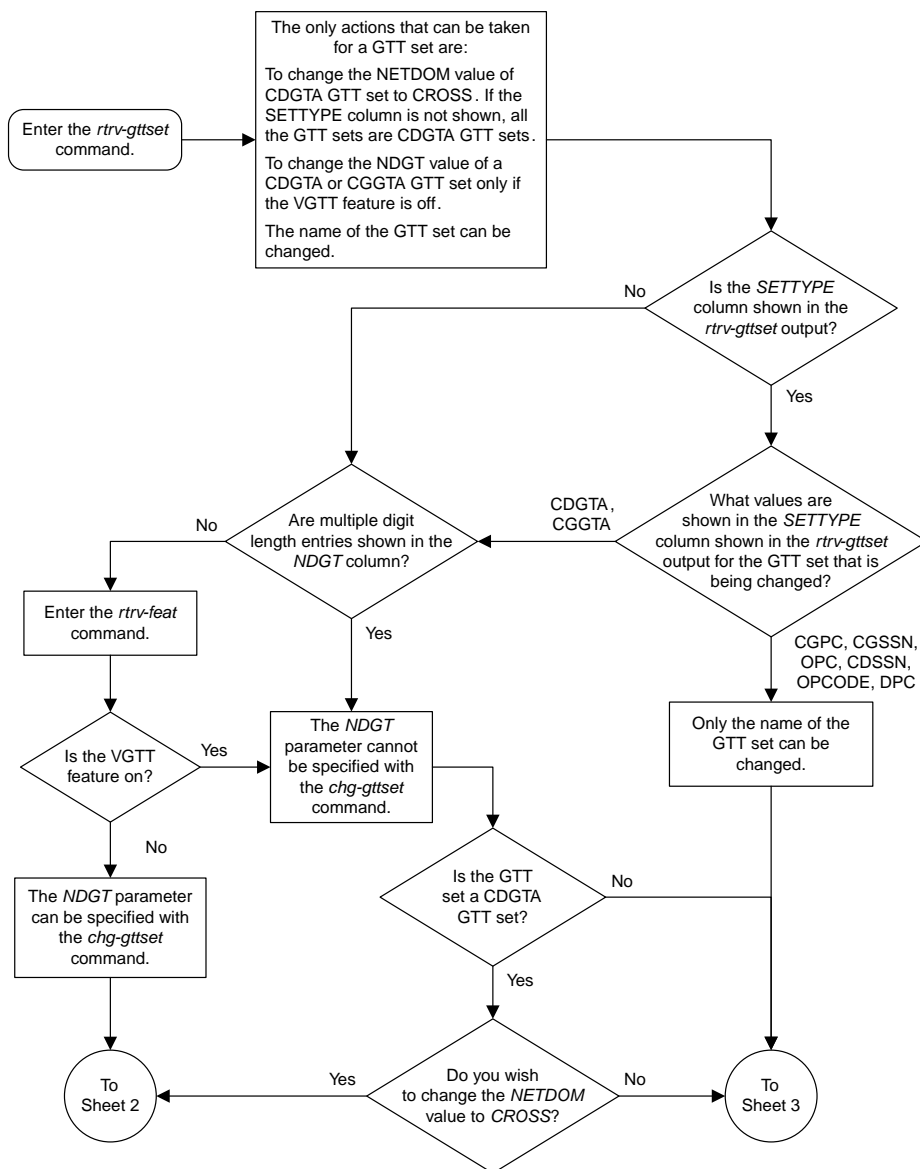
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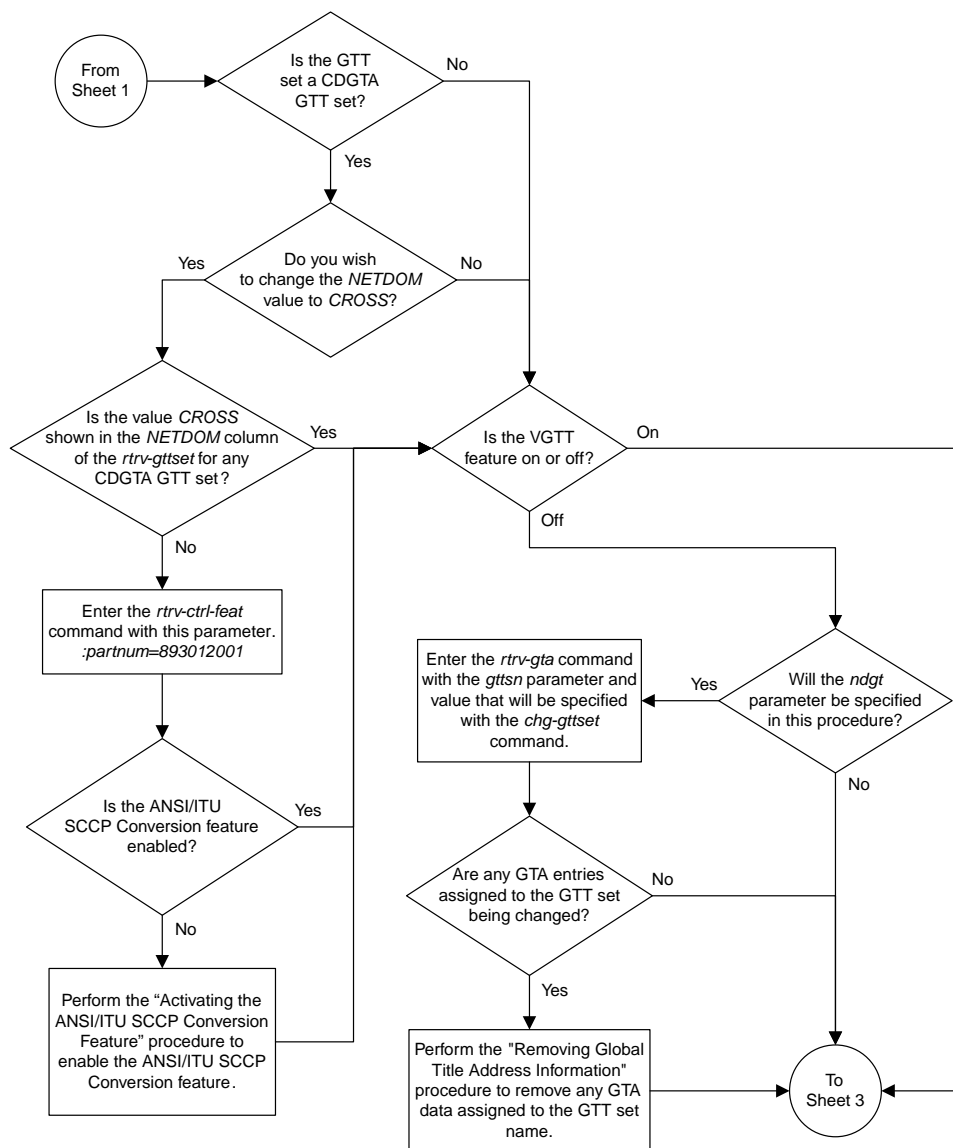
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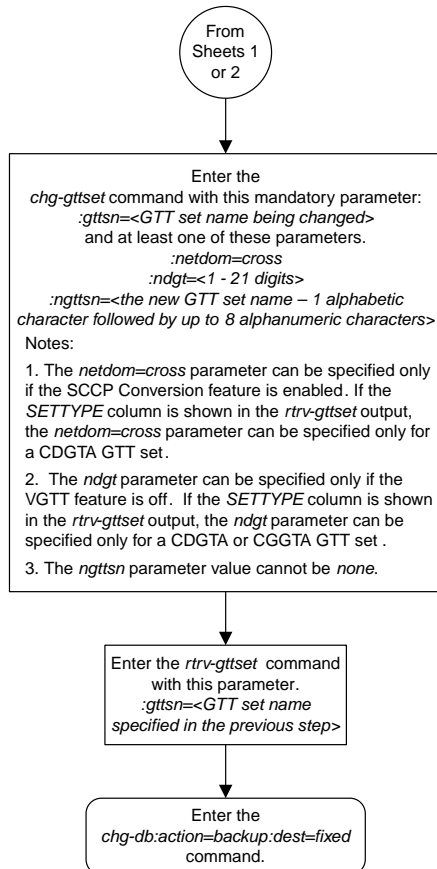
## Changing a GTT Set



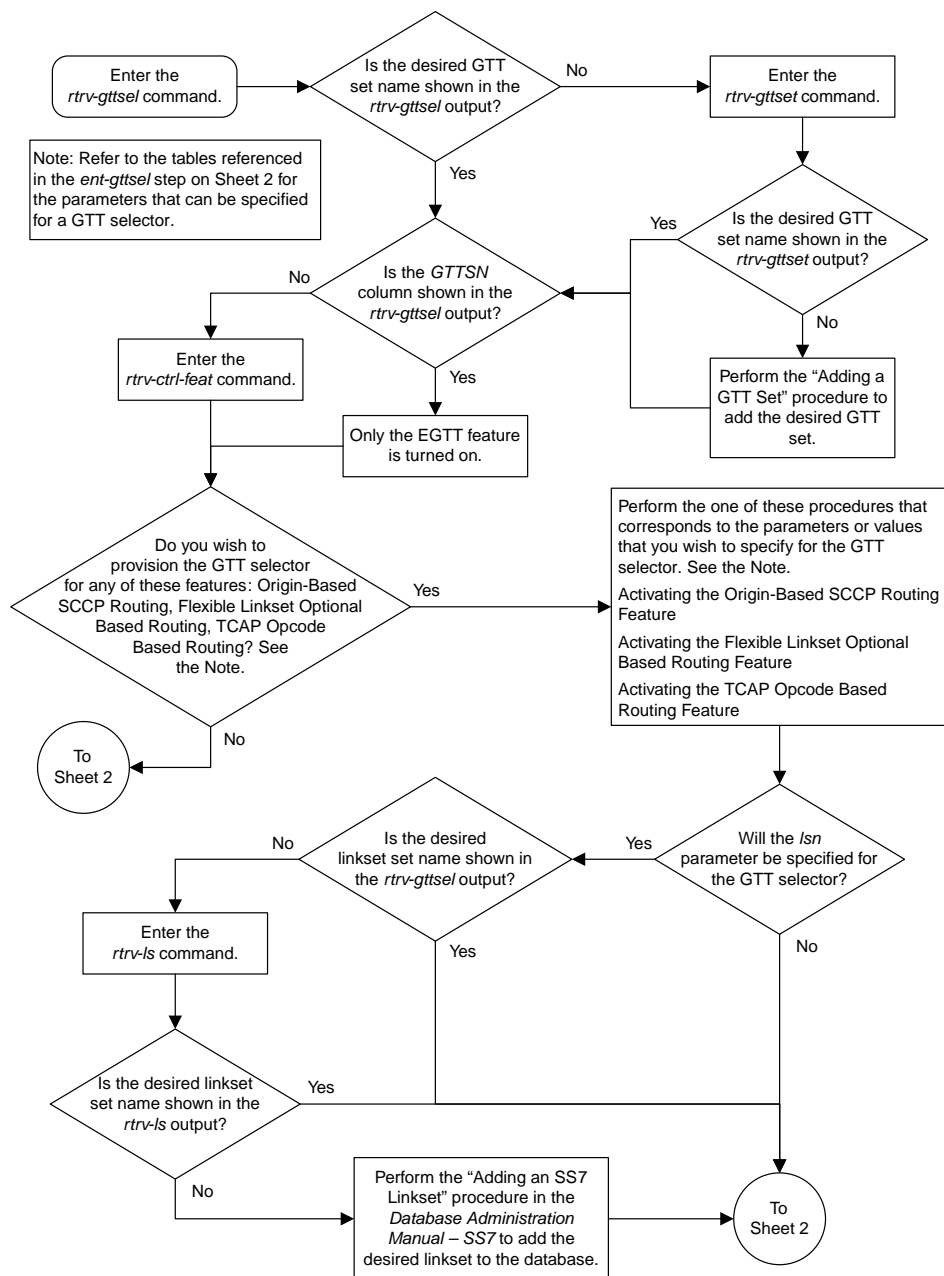
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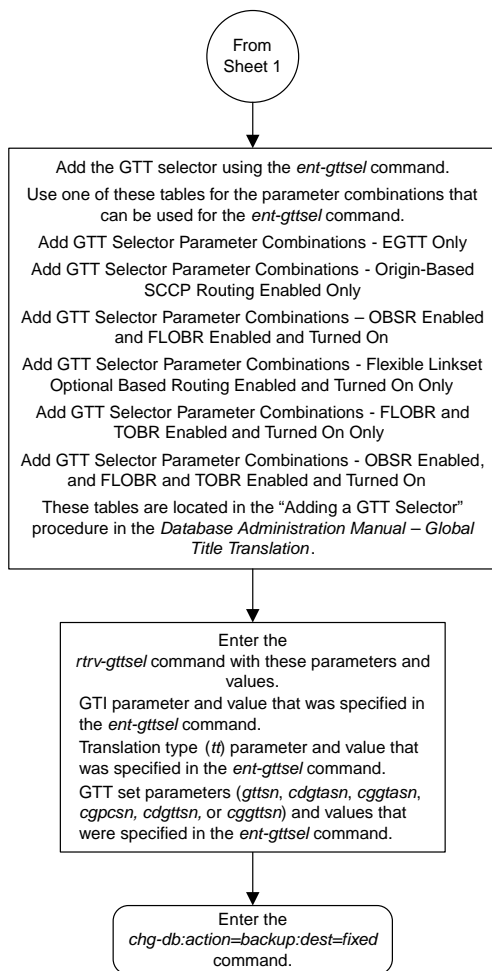
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## Adding a GTT Selector

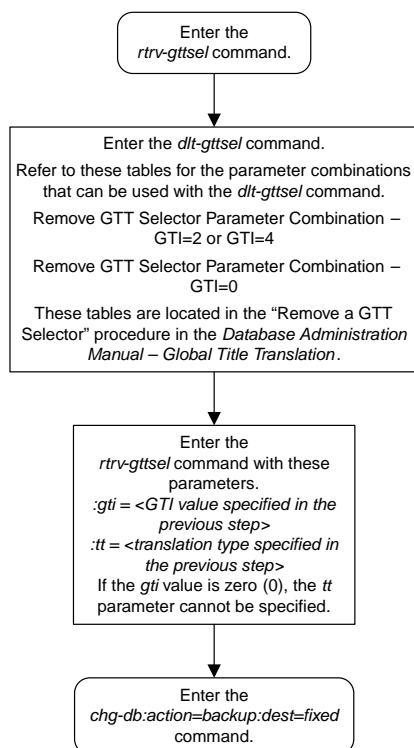


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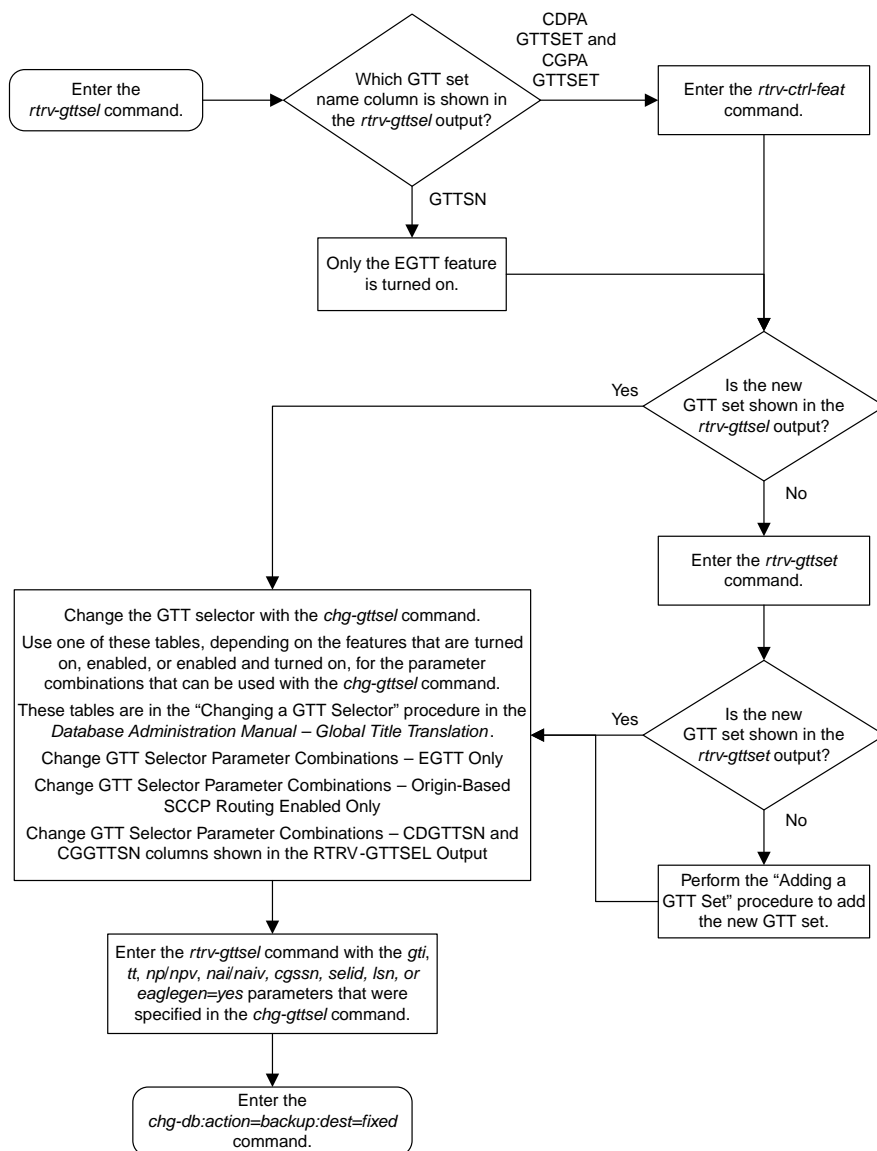




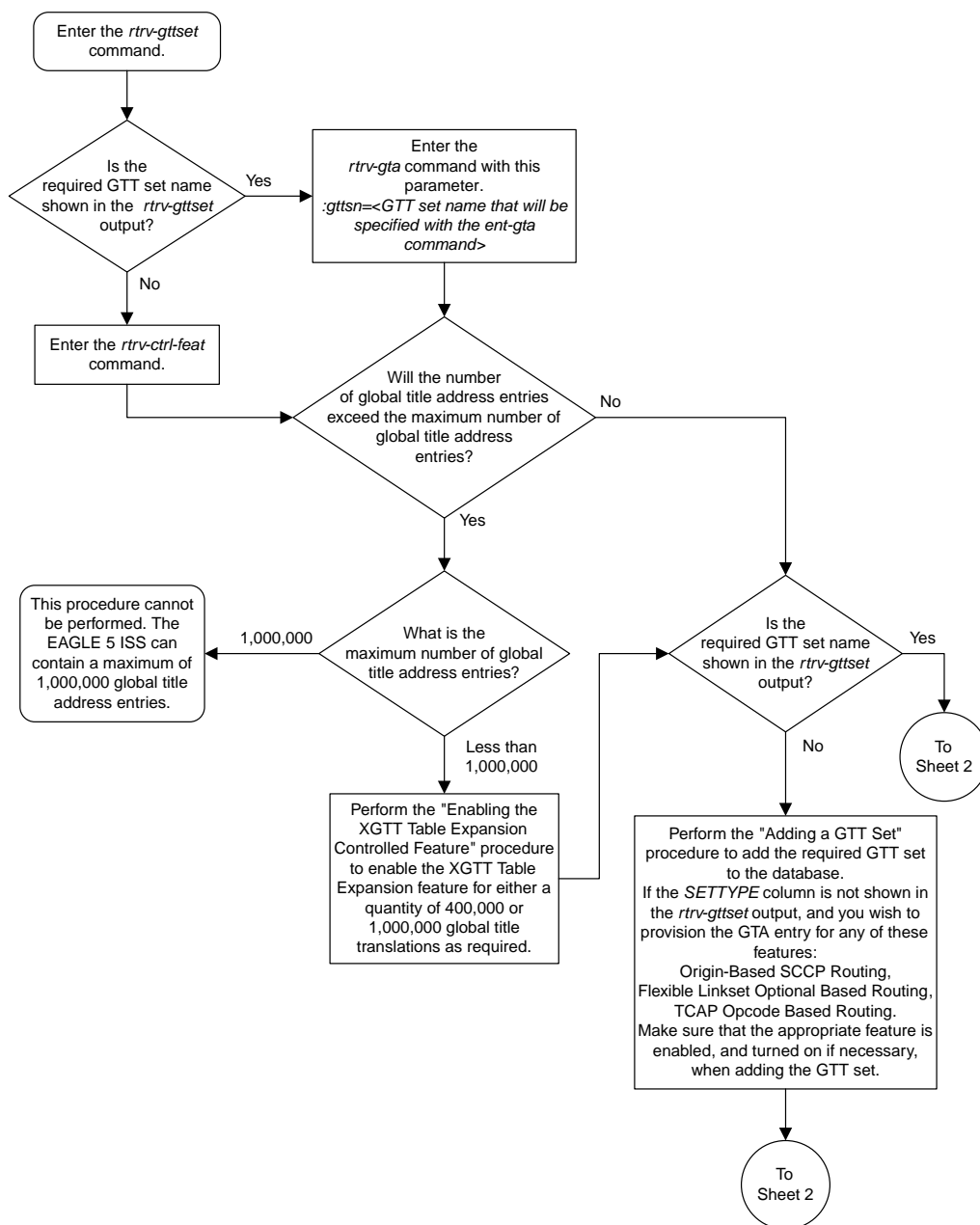
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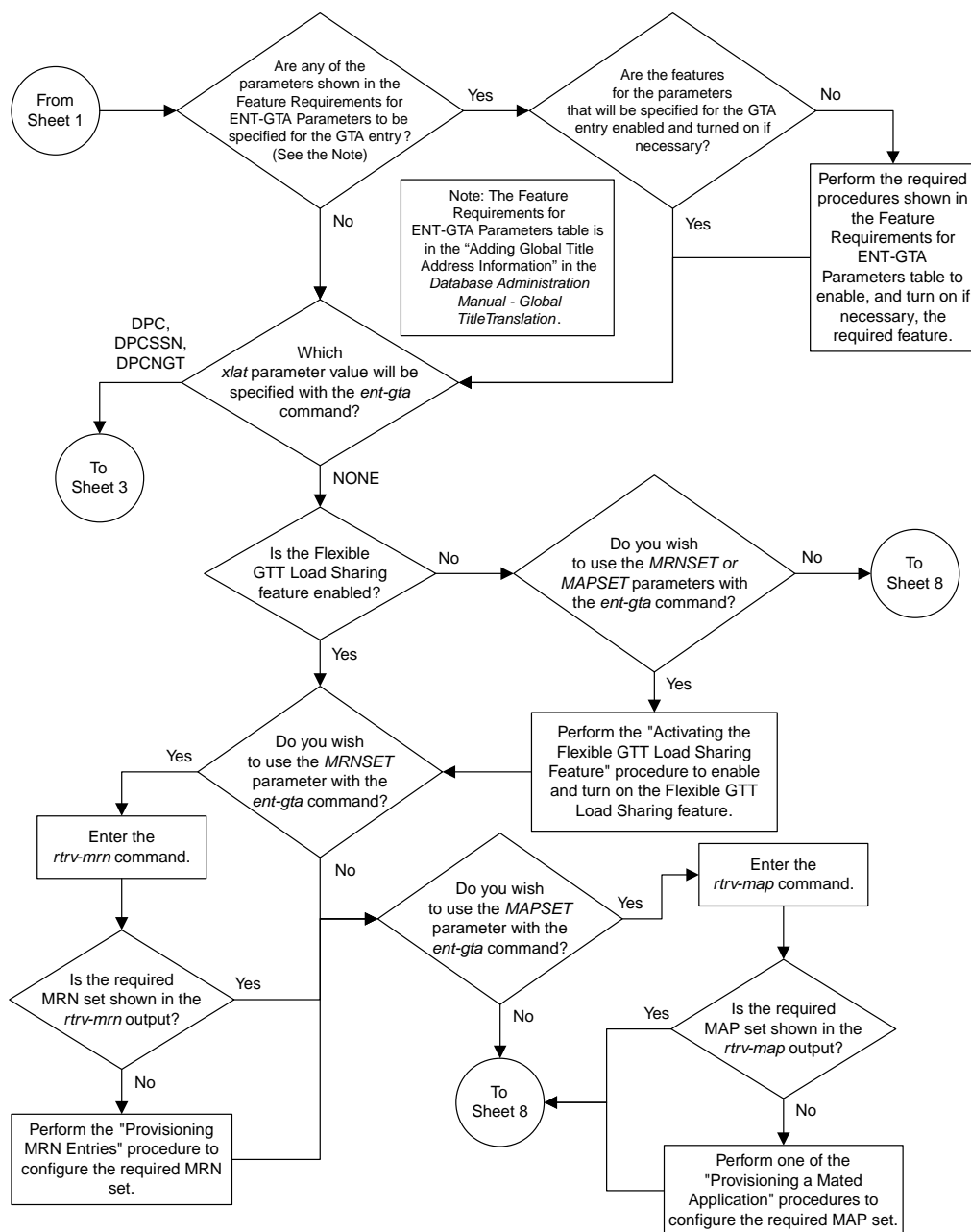
## Changing a GTT Selector



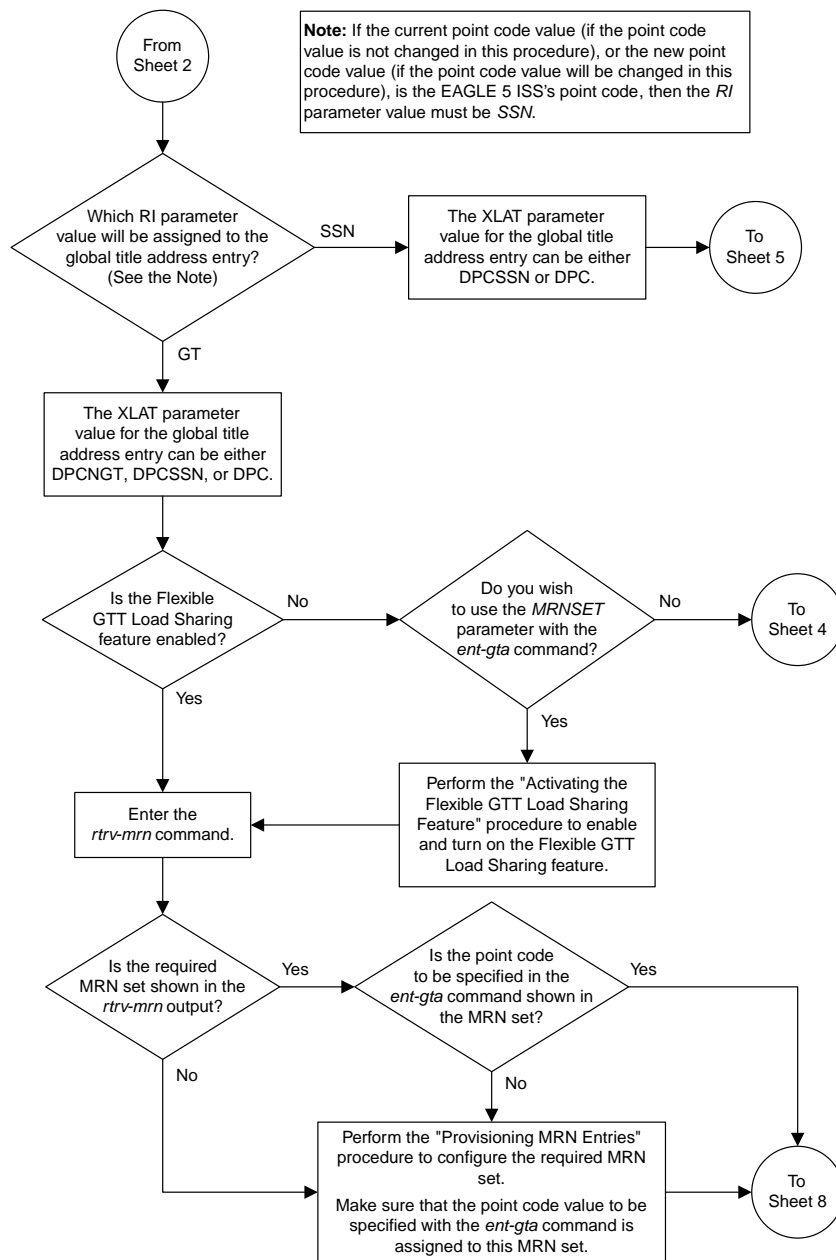
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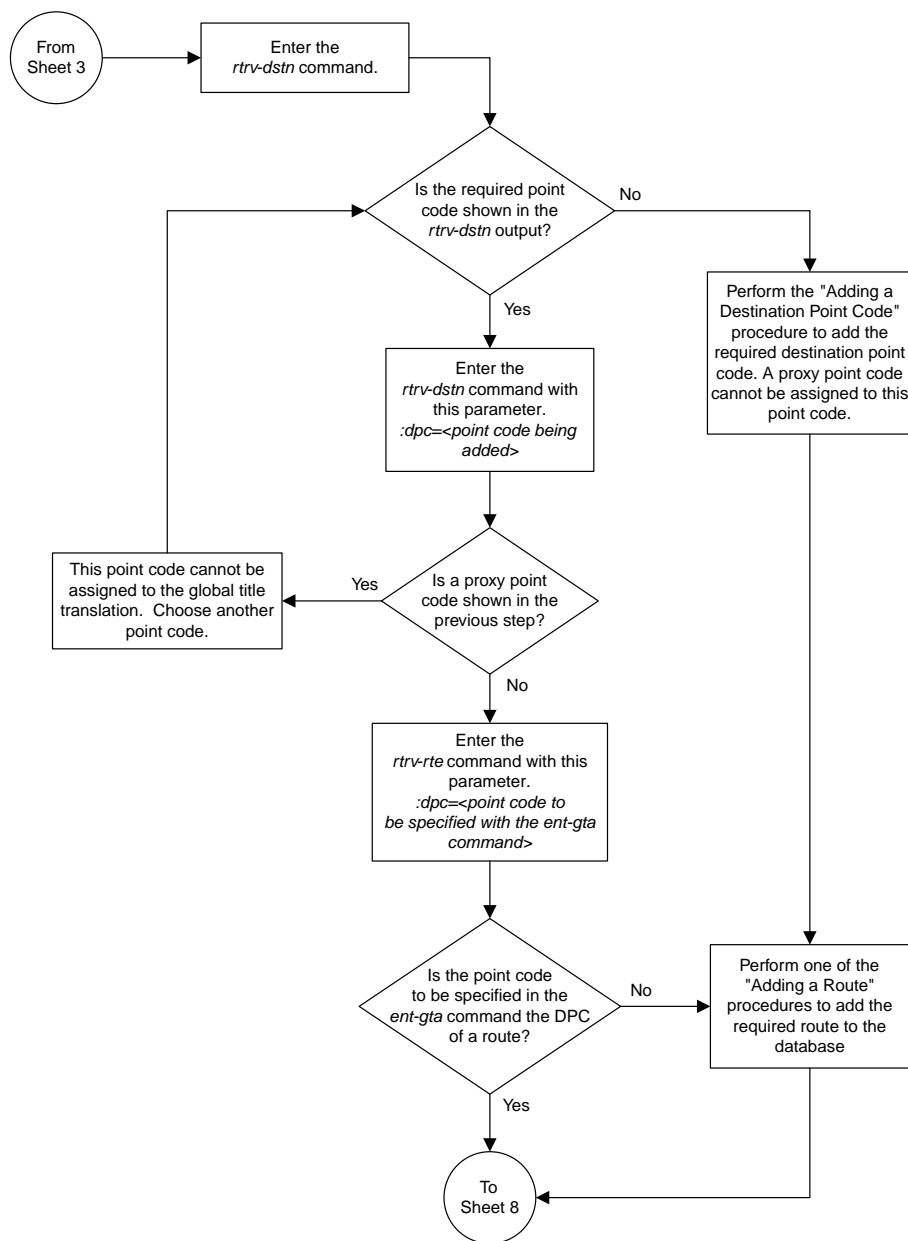


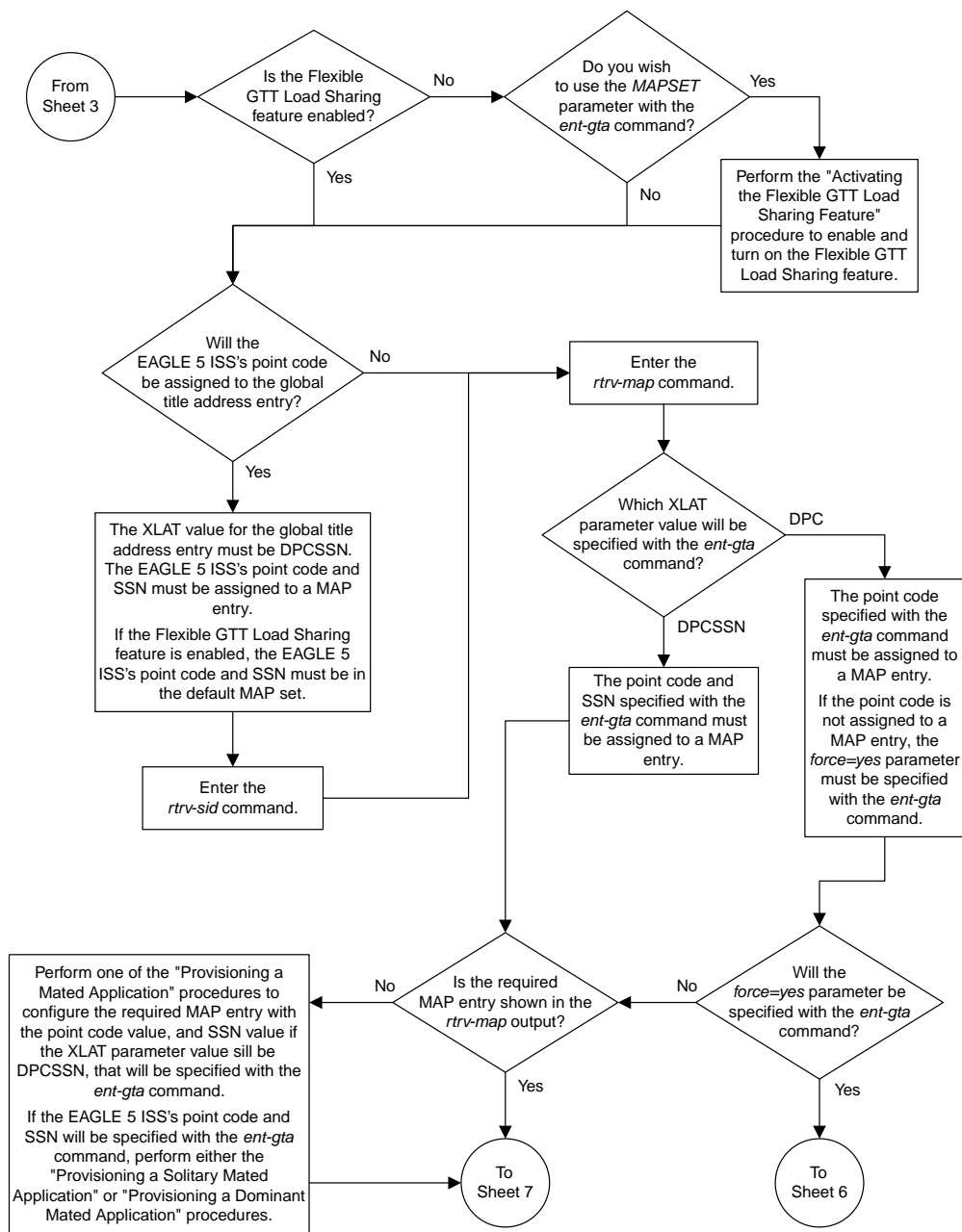
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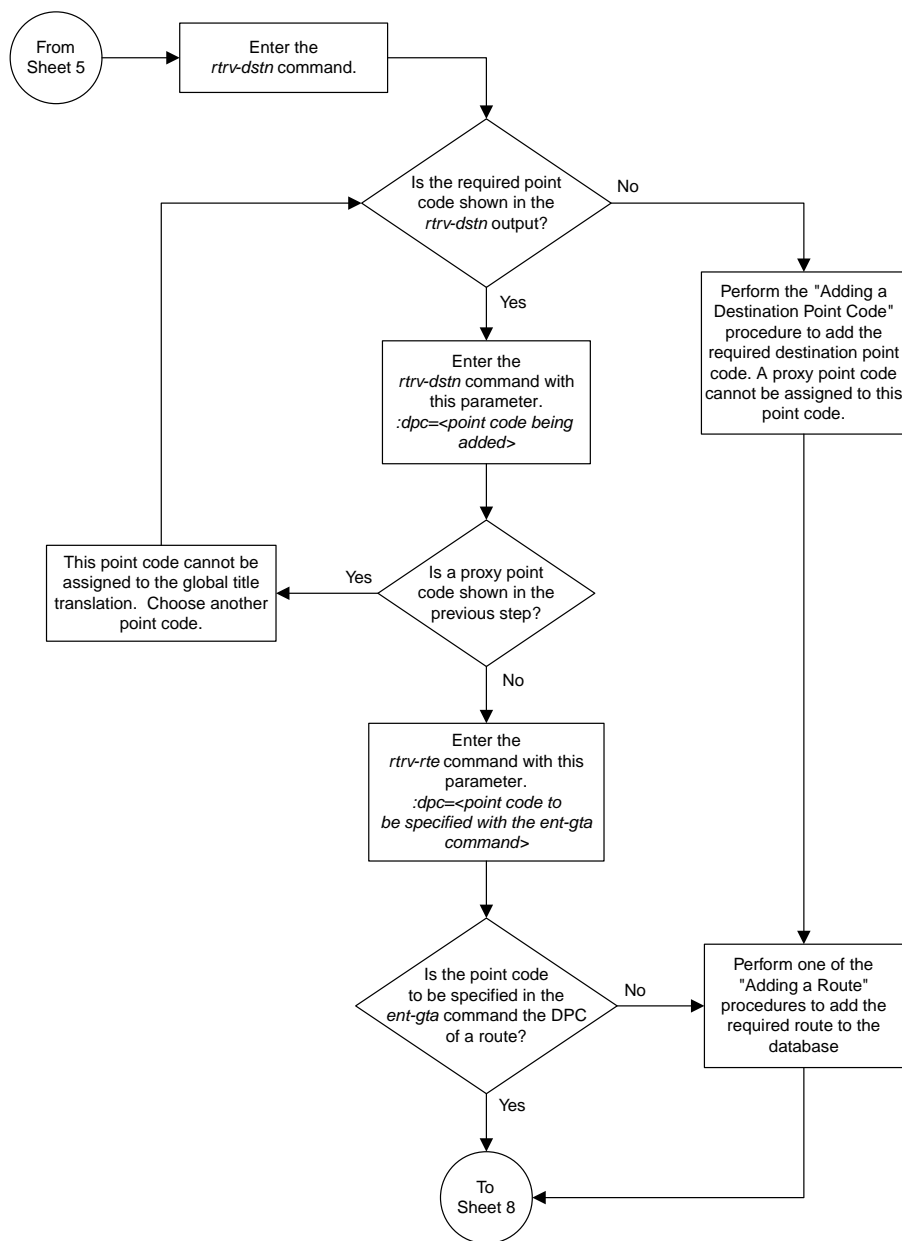


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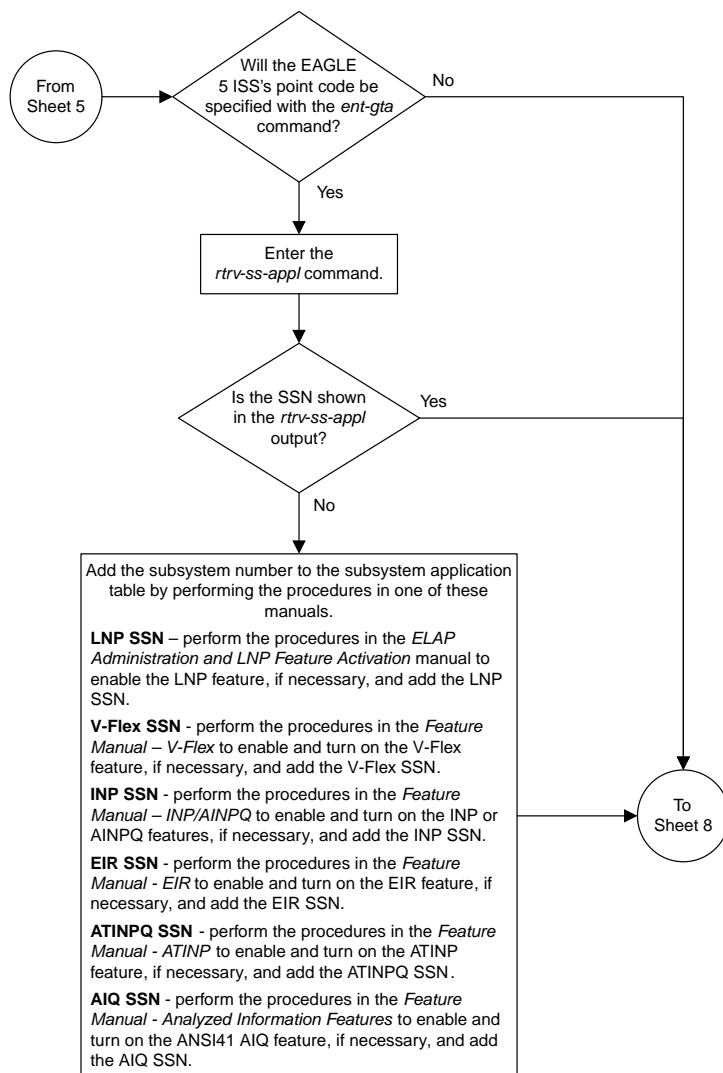


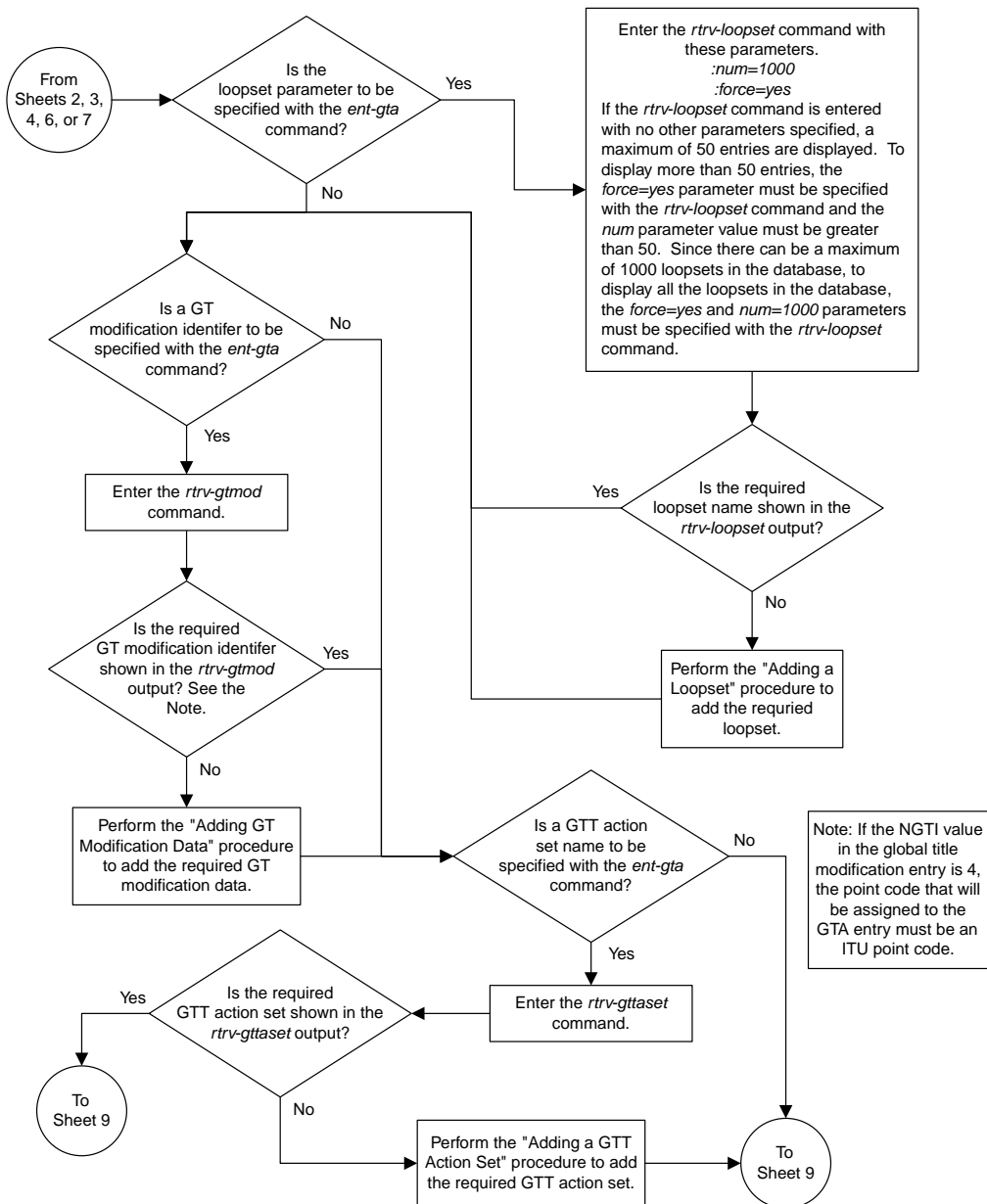


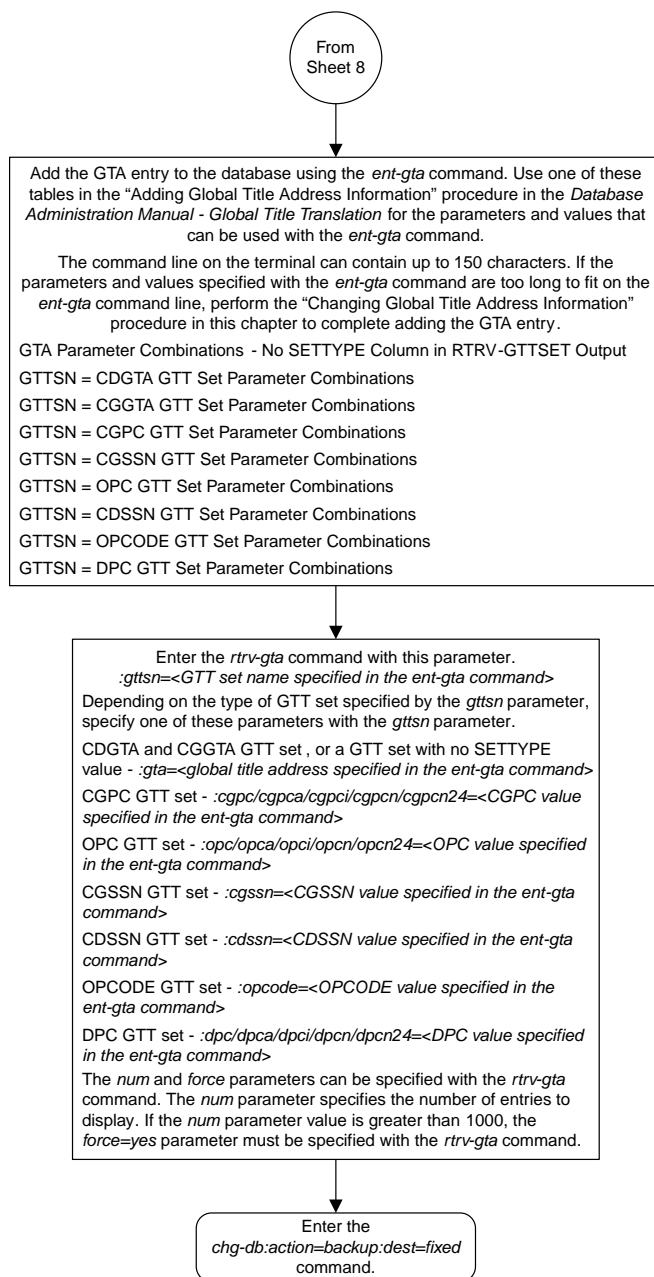


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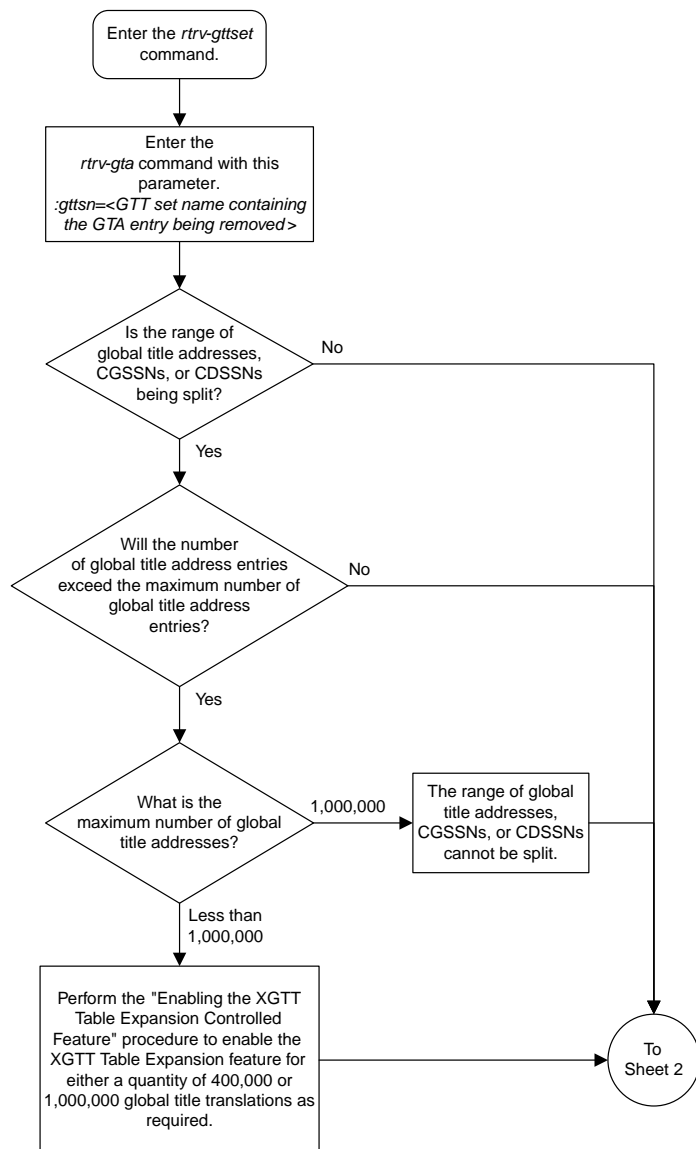




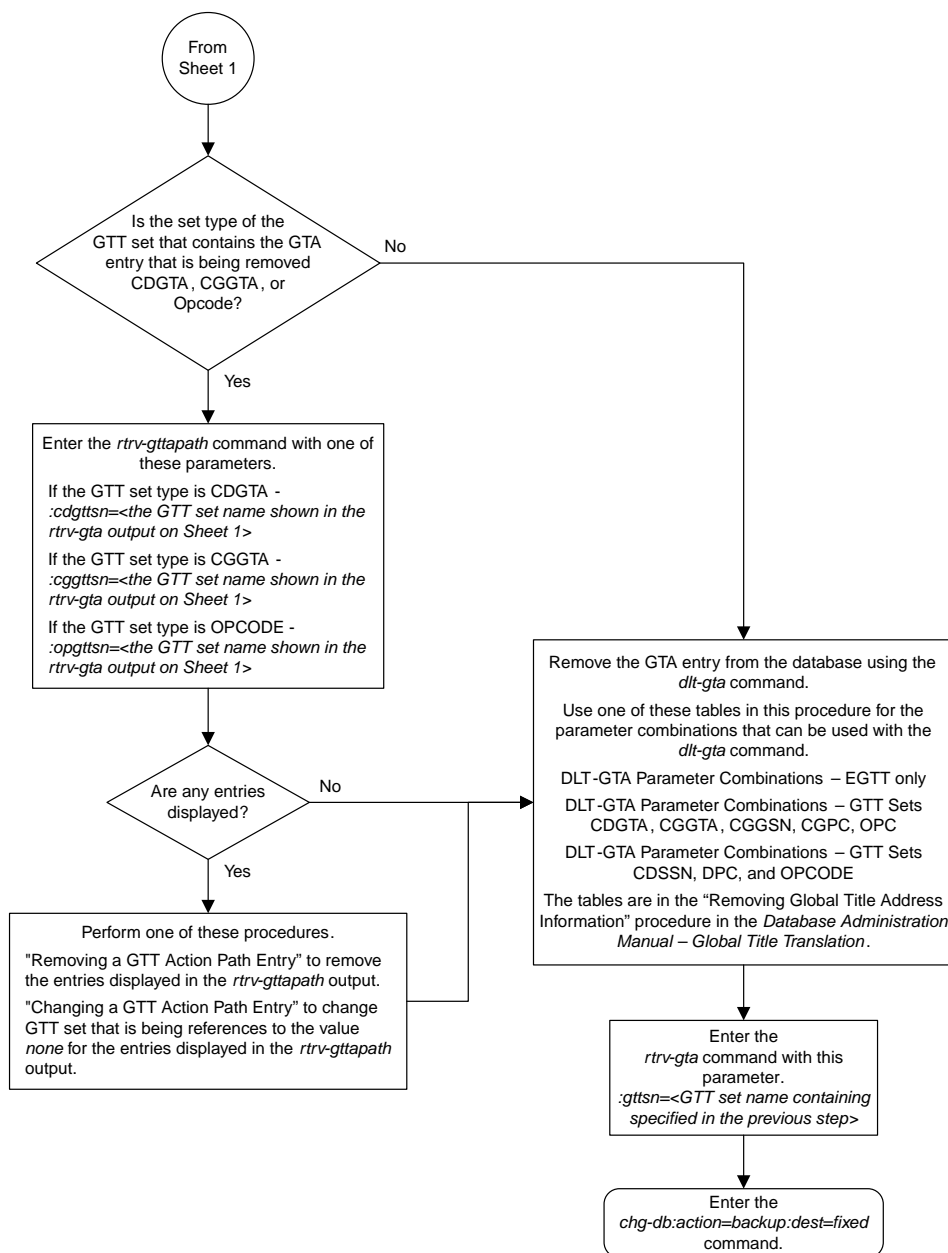




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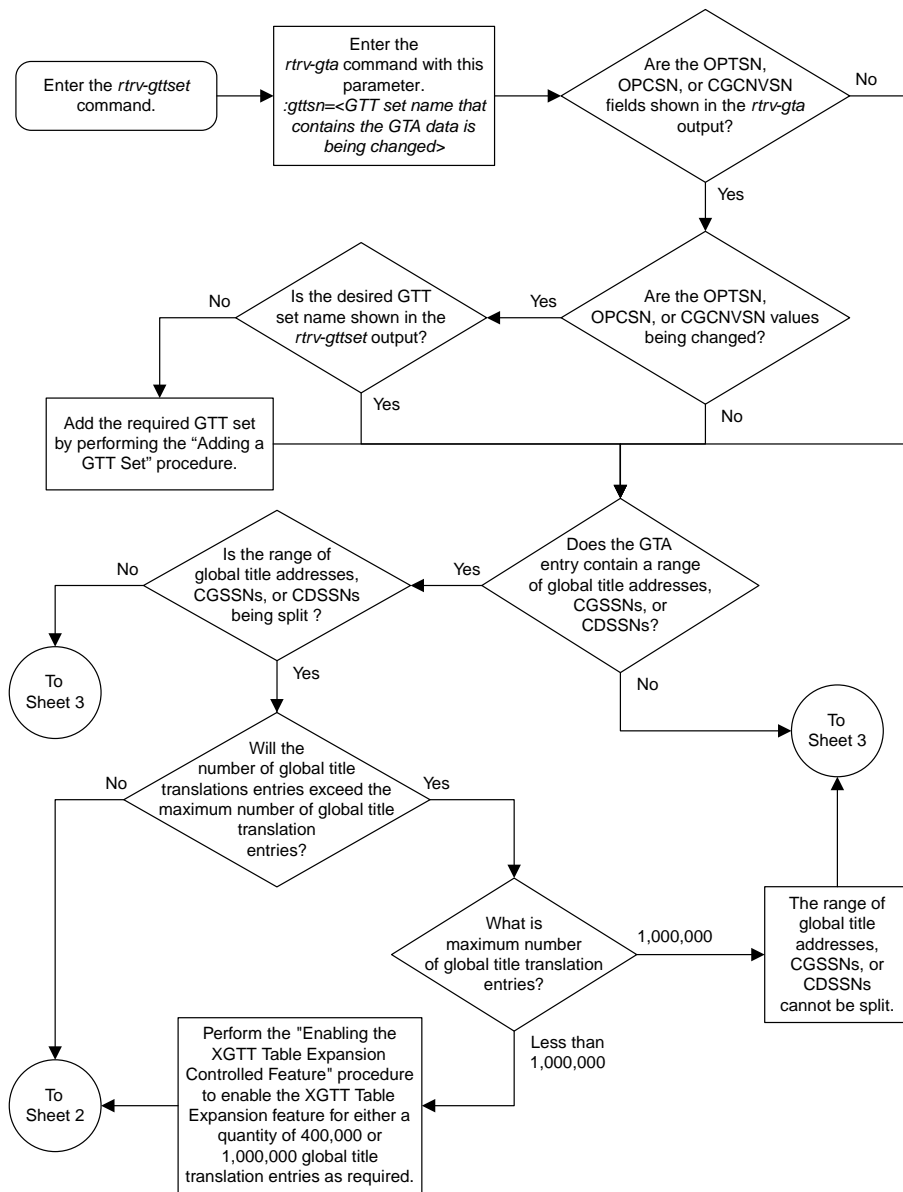


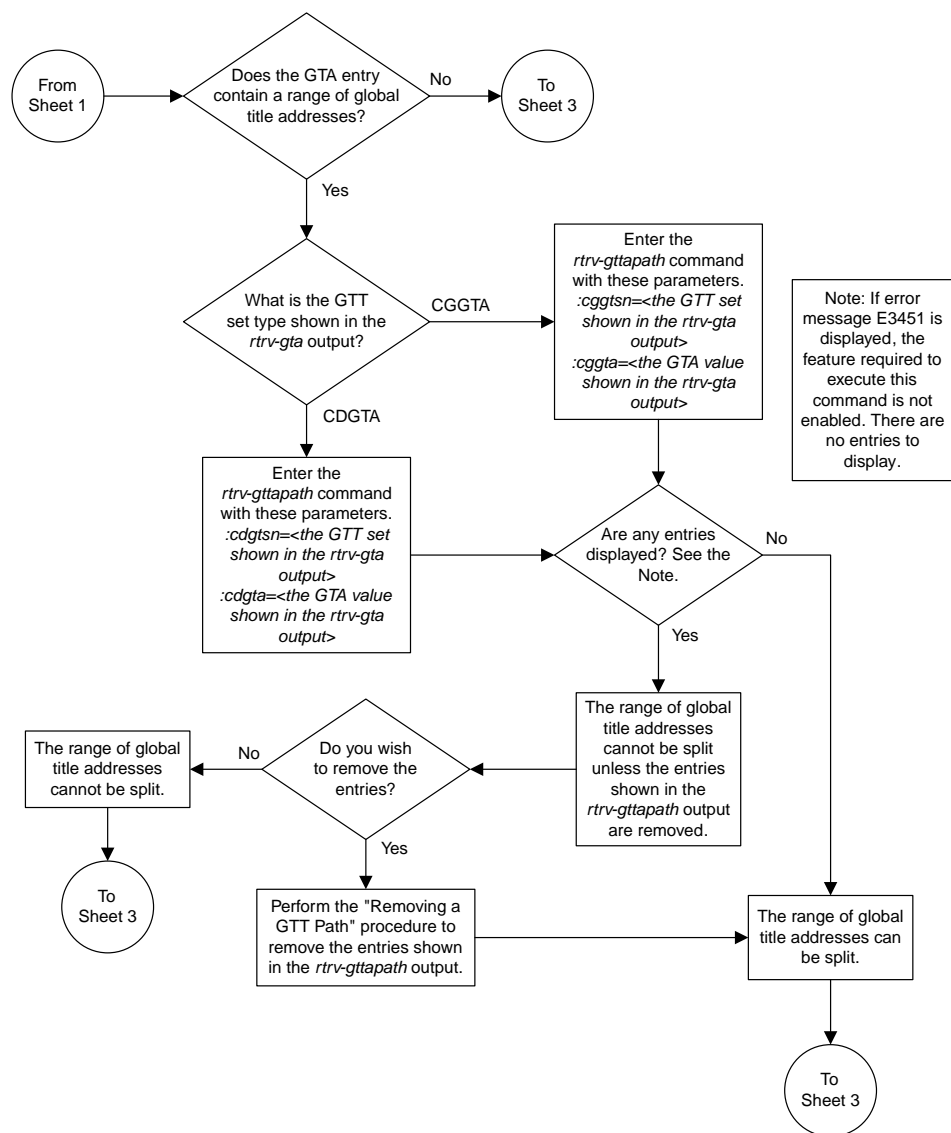
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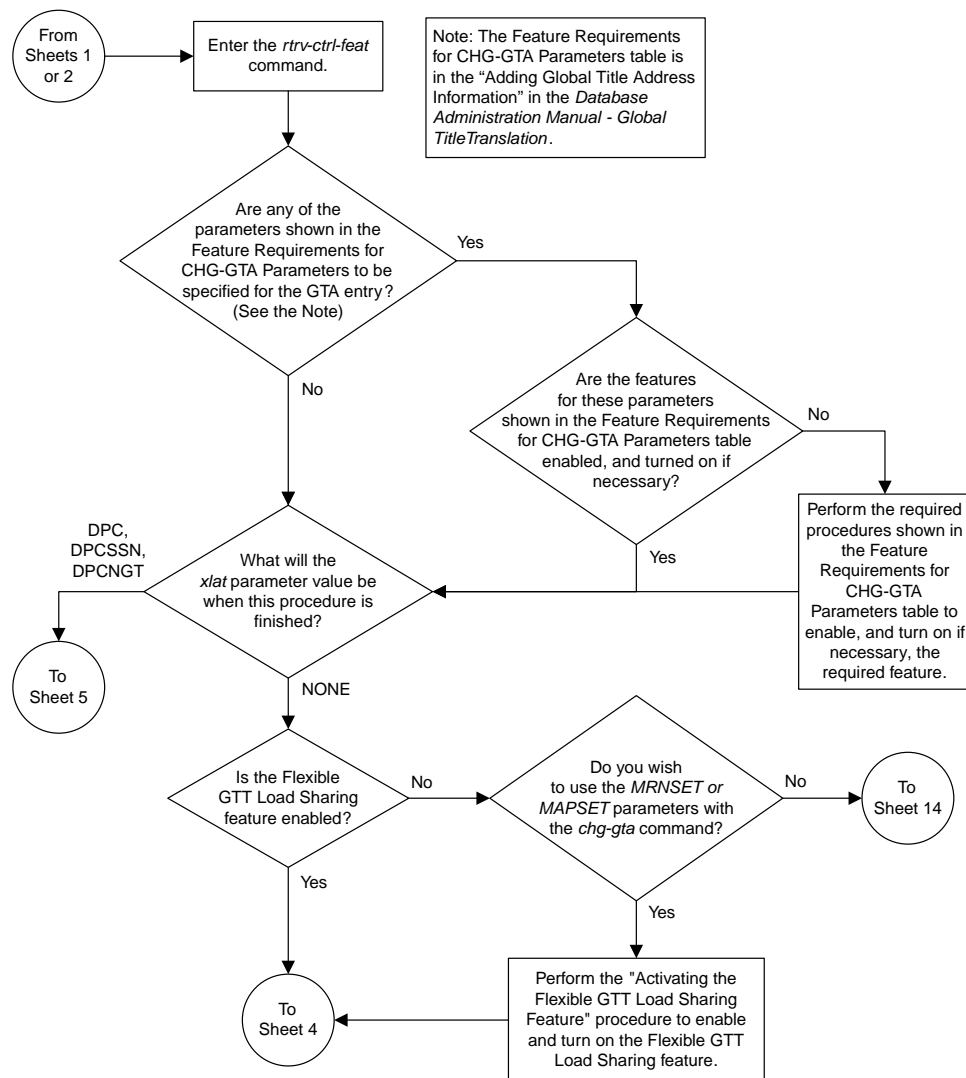


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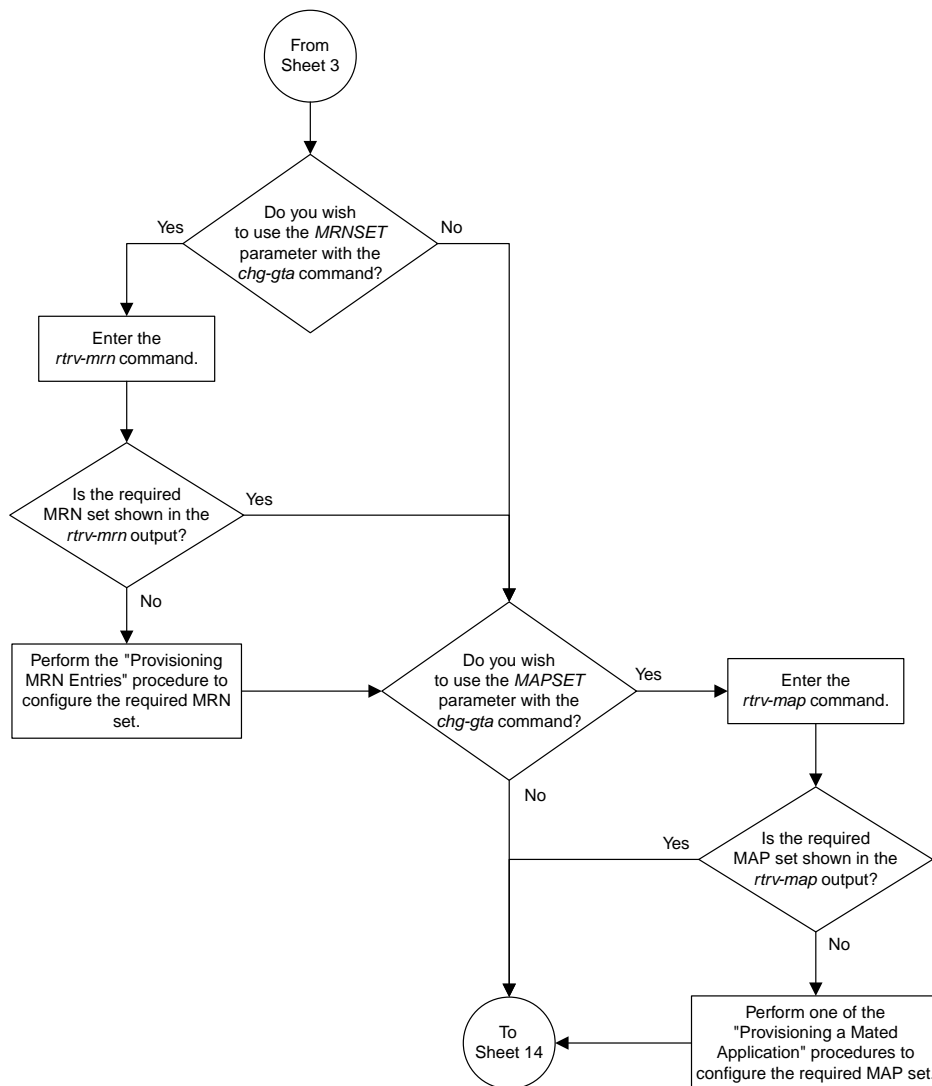
## Changing Global Title Address Information

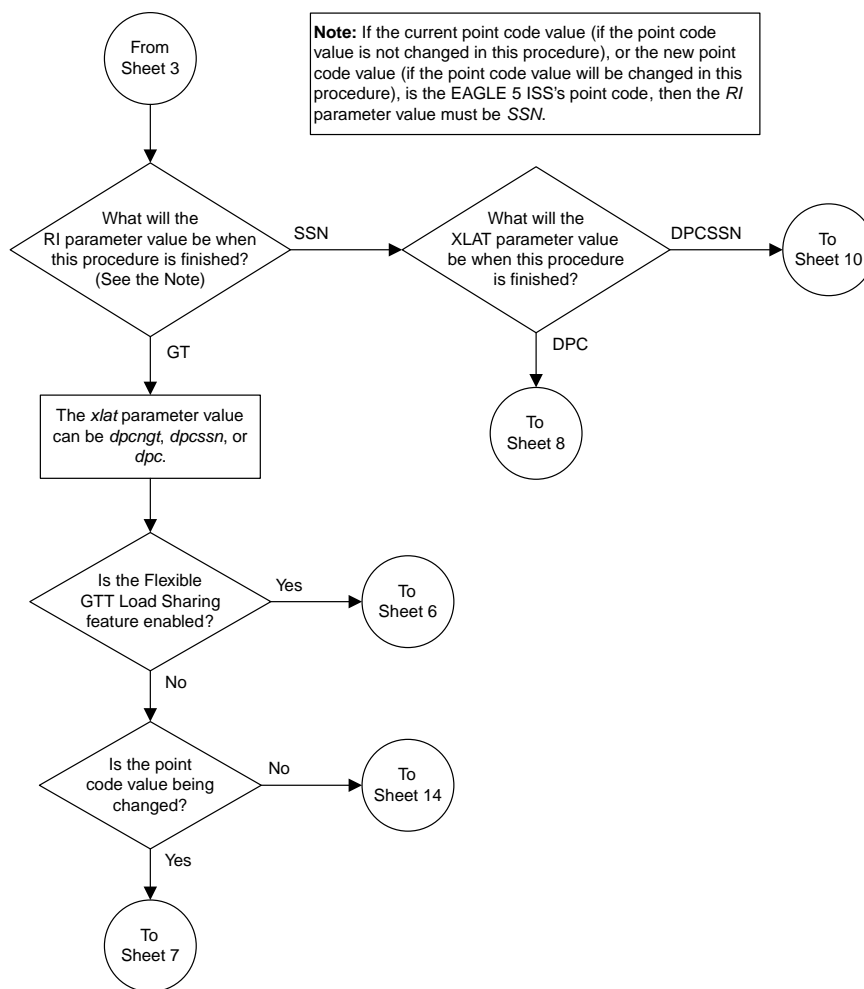


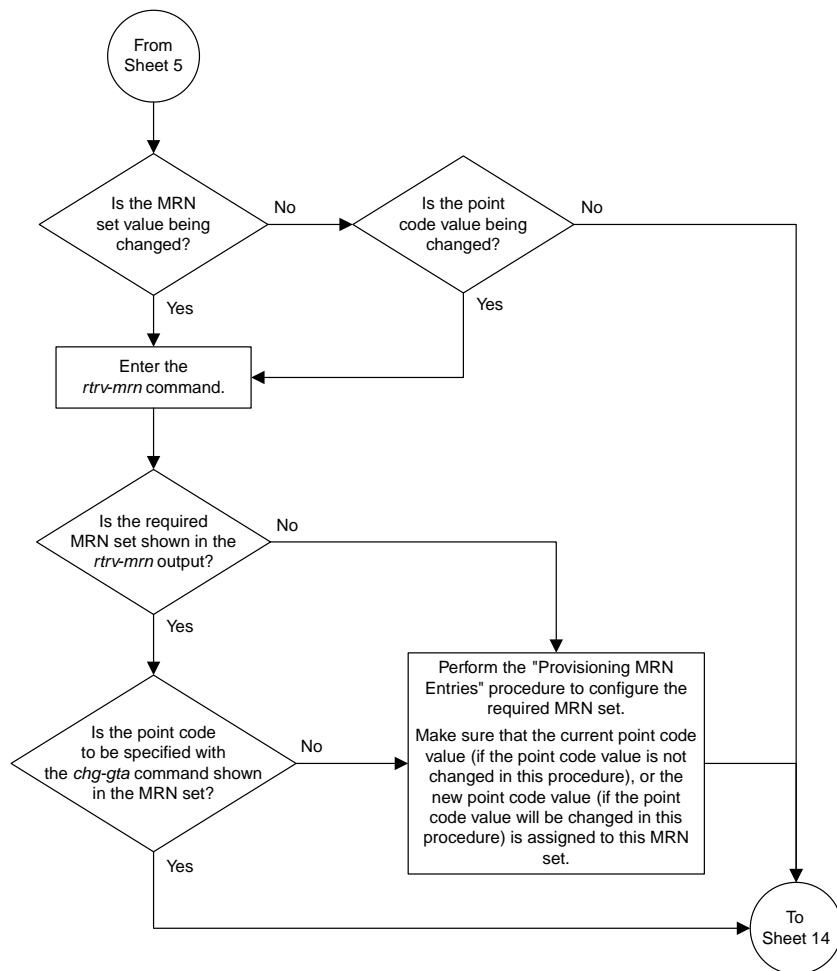


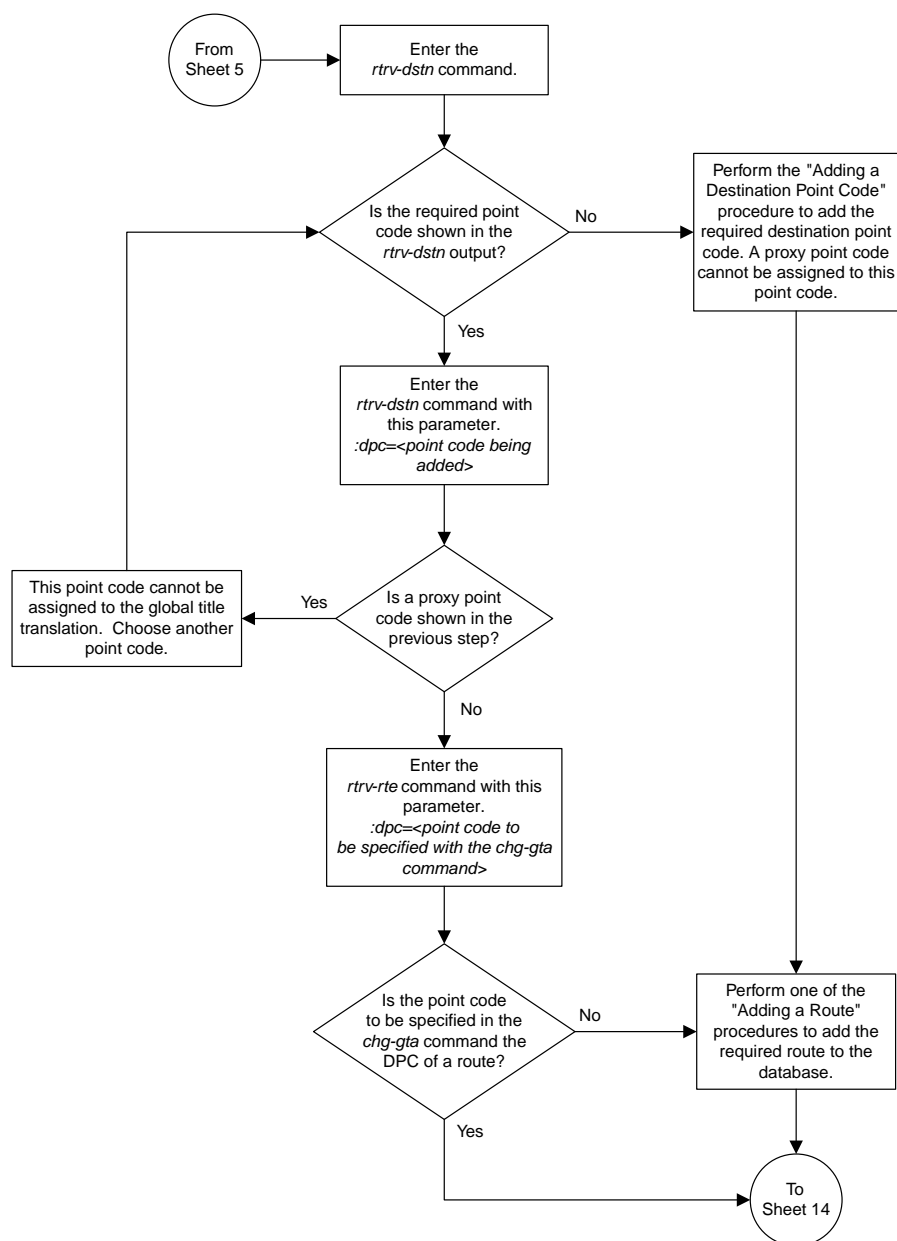


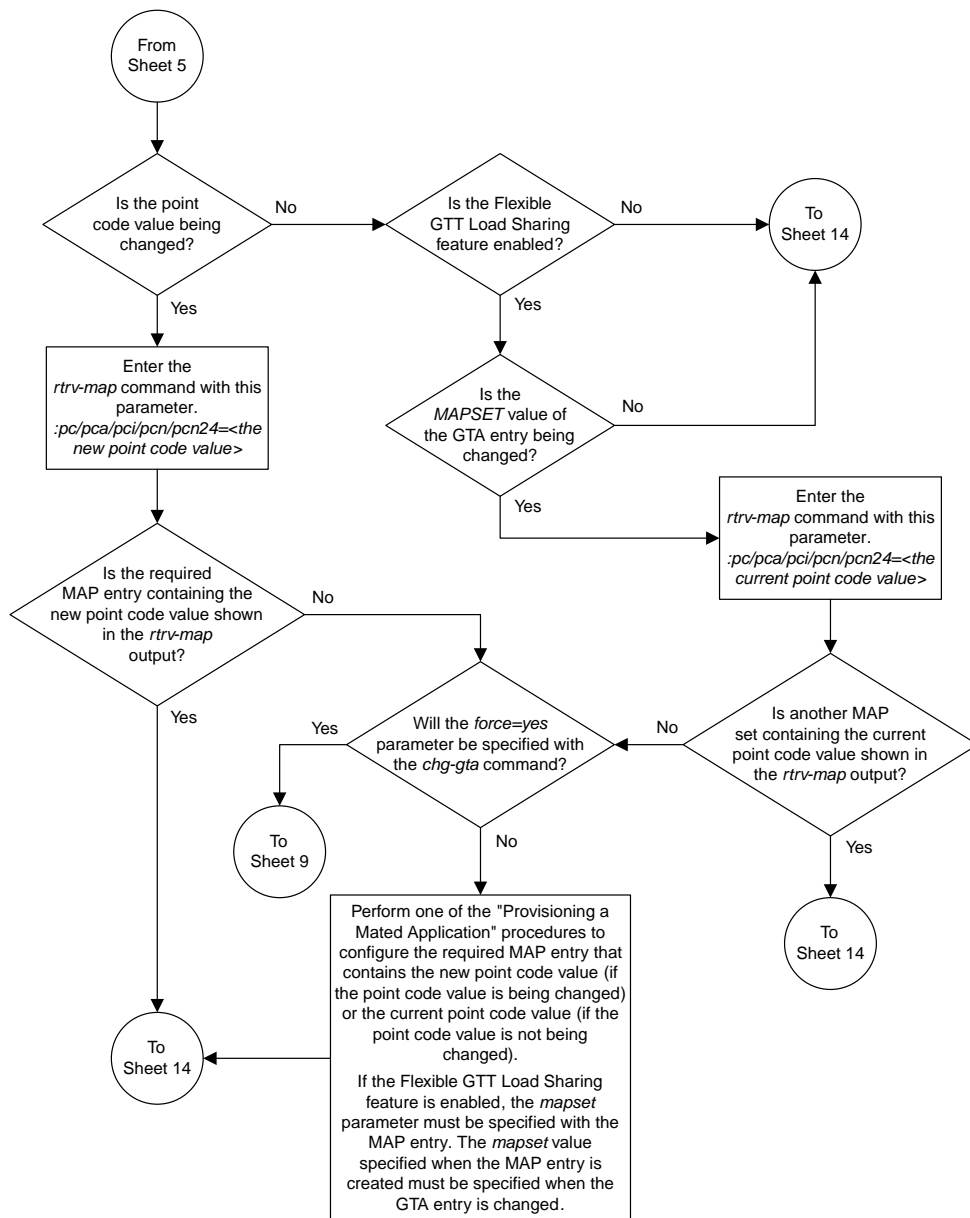




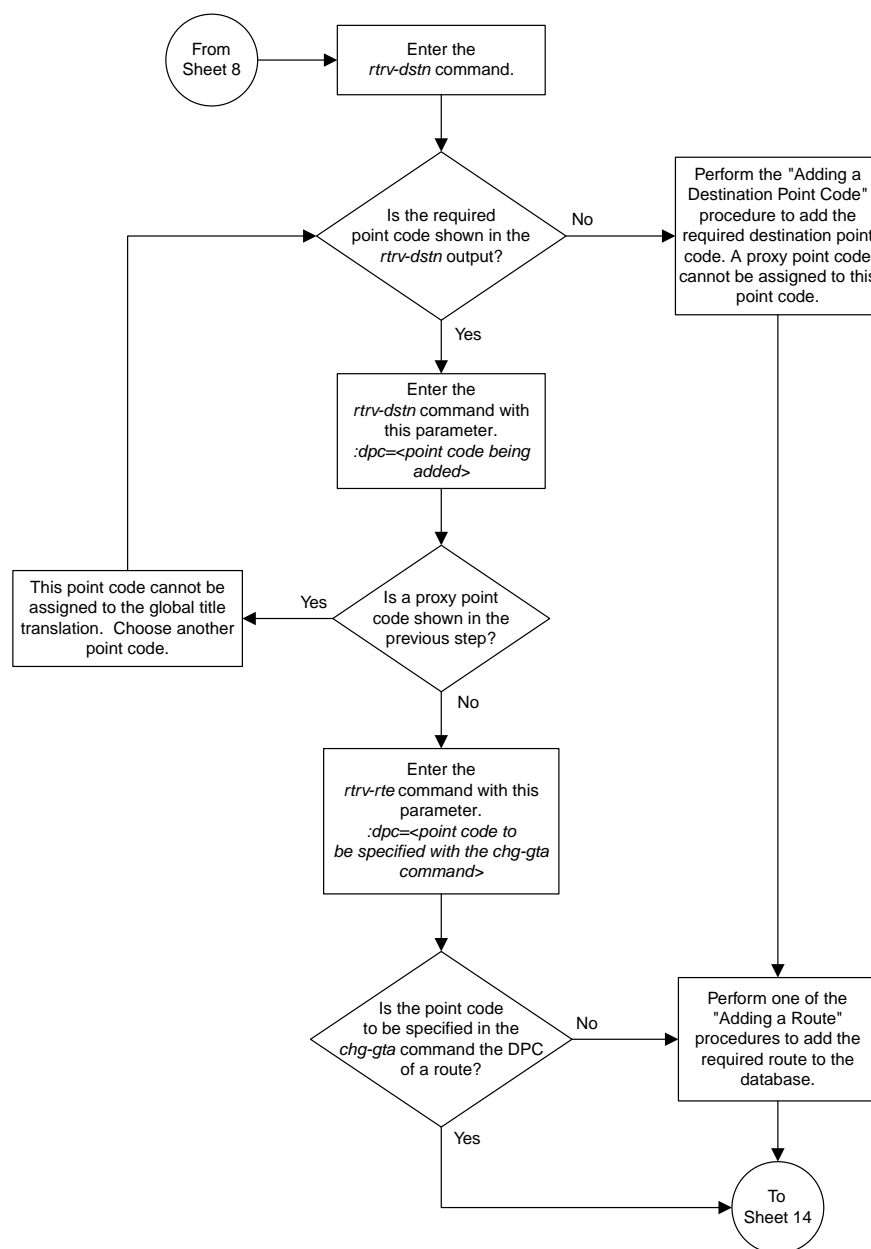




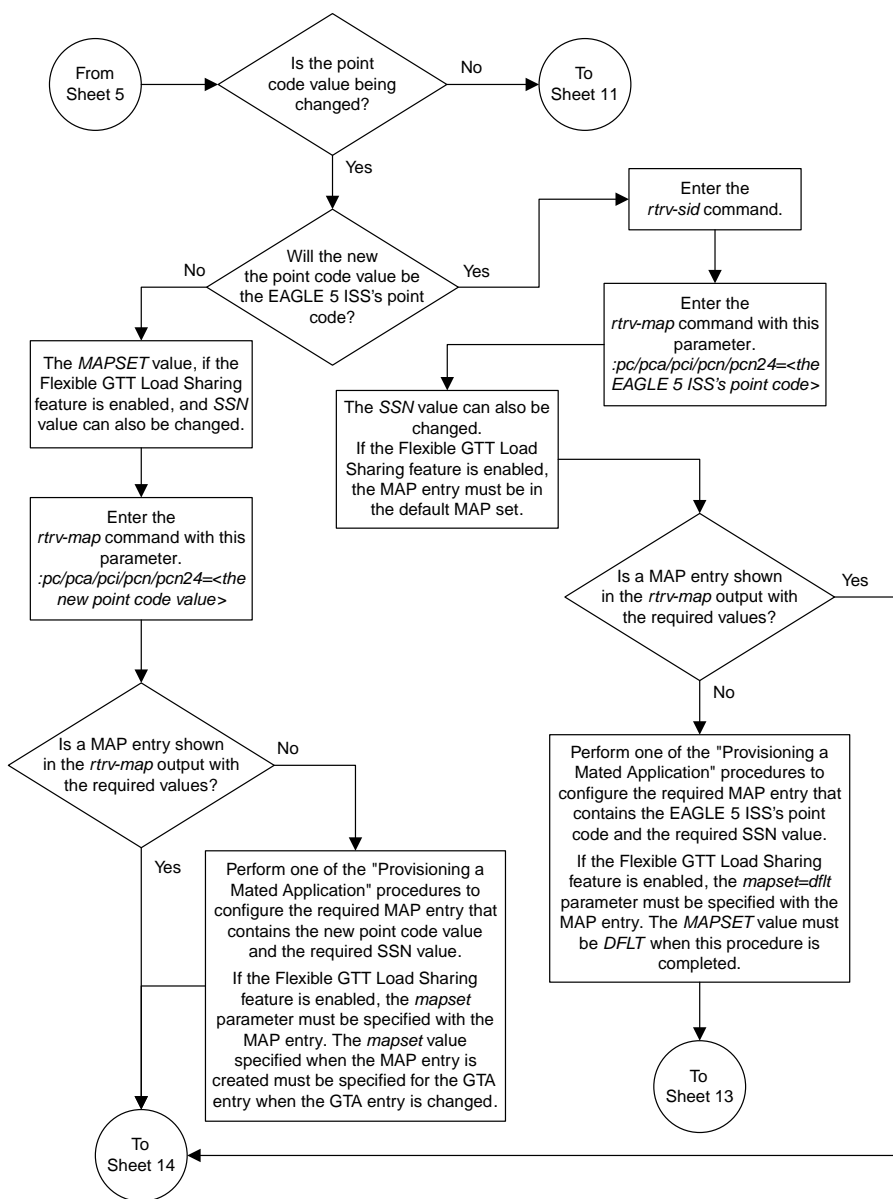


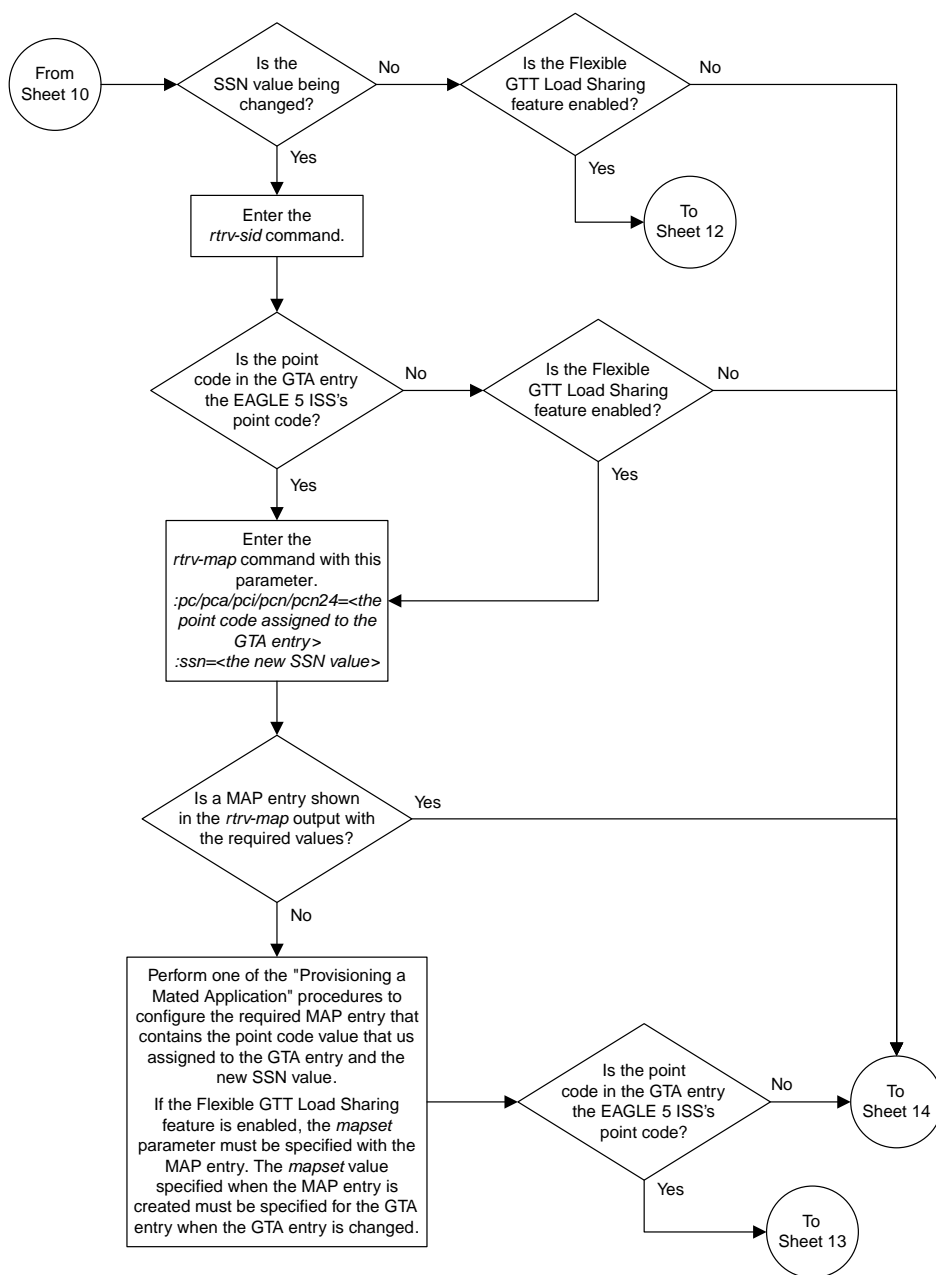


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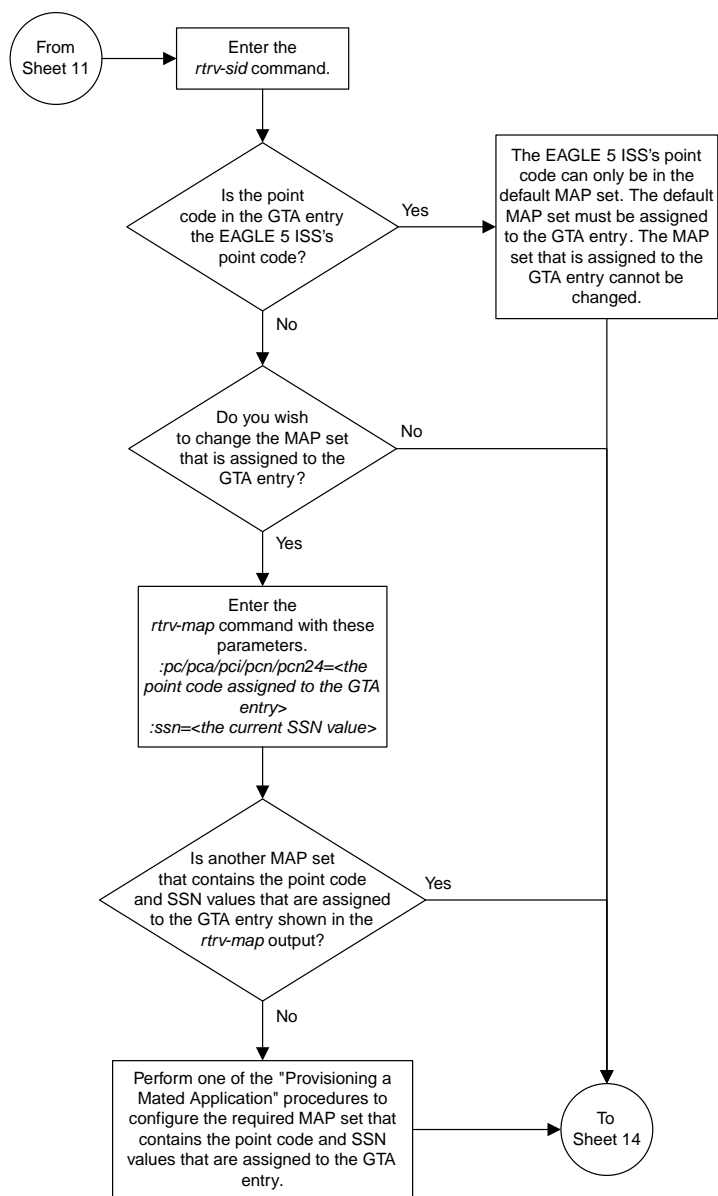


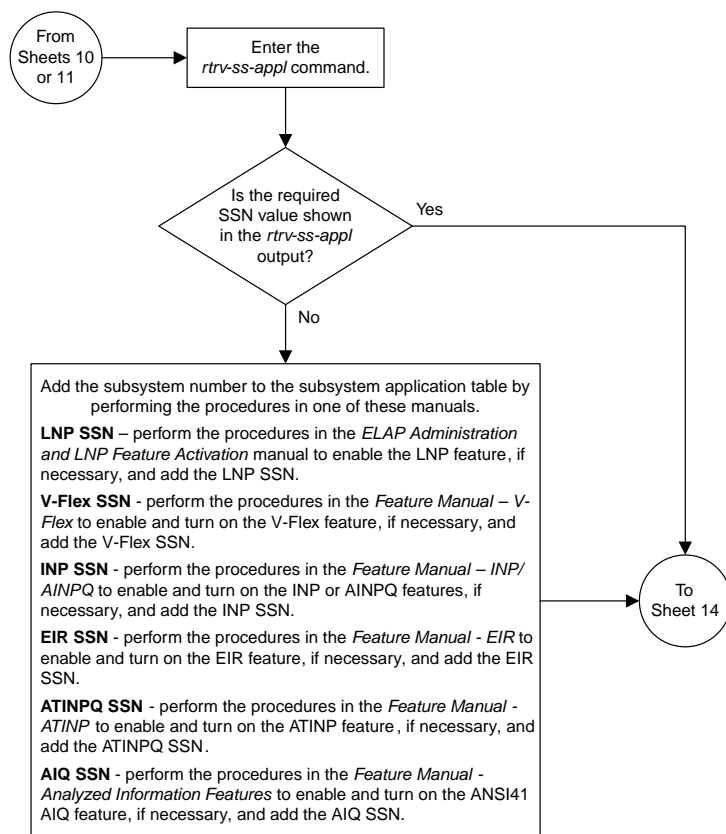
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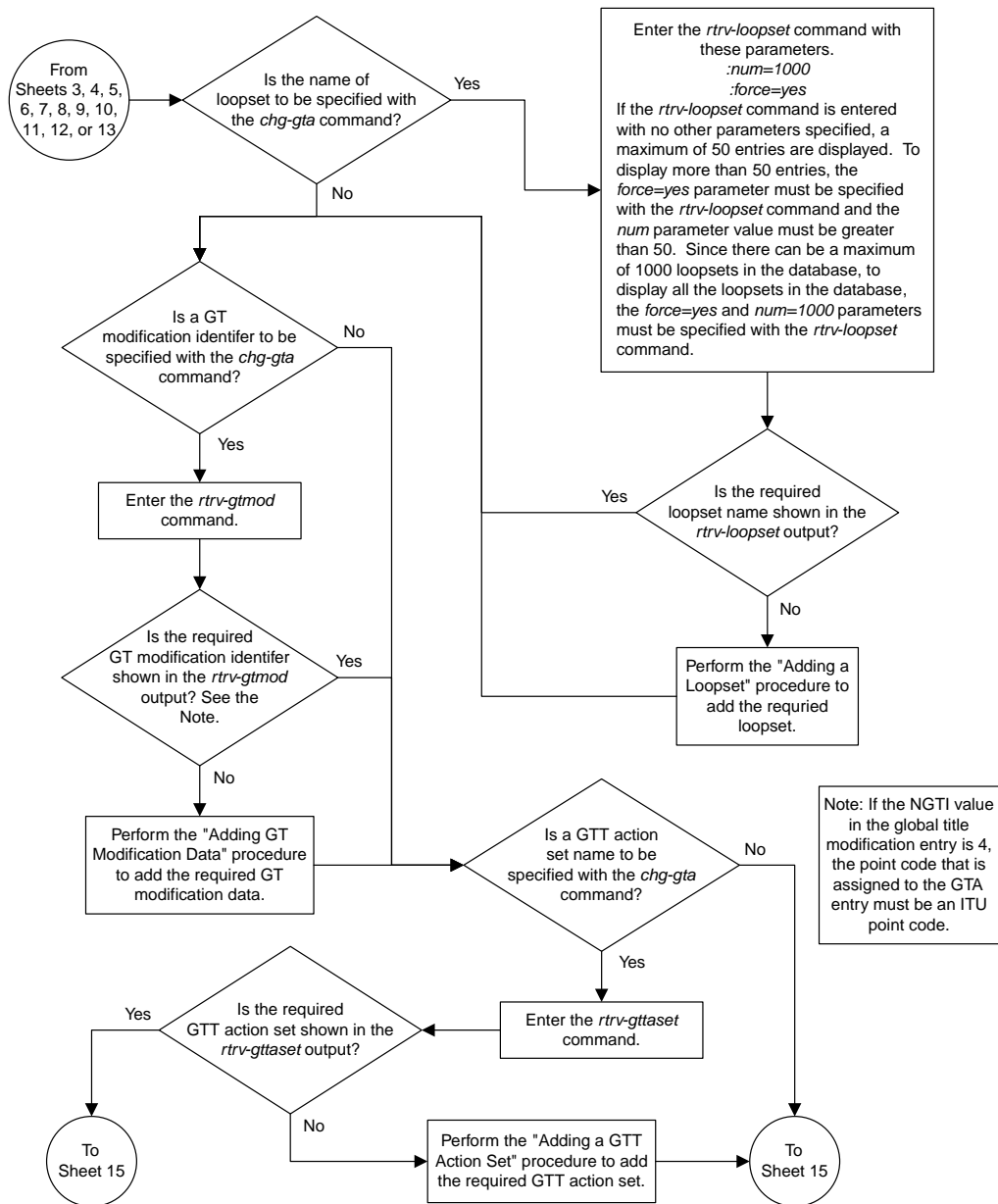


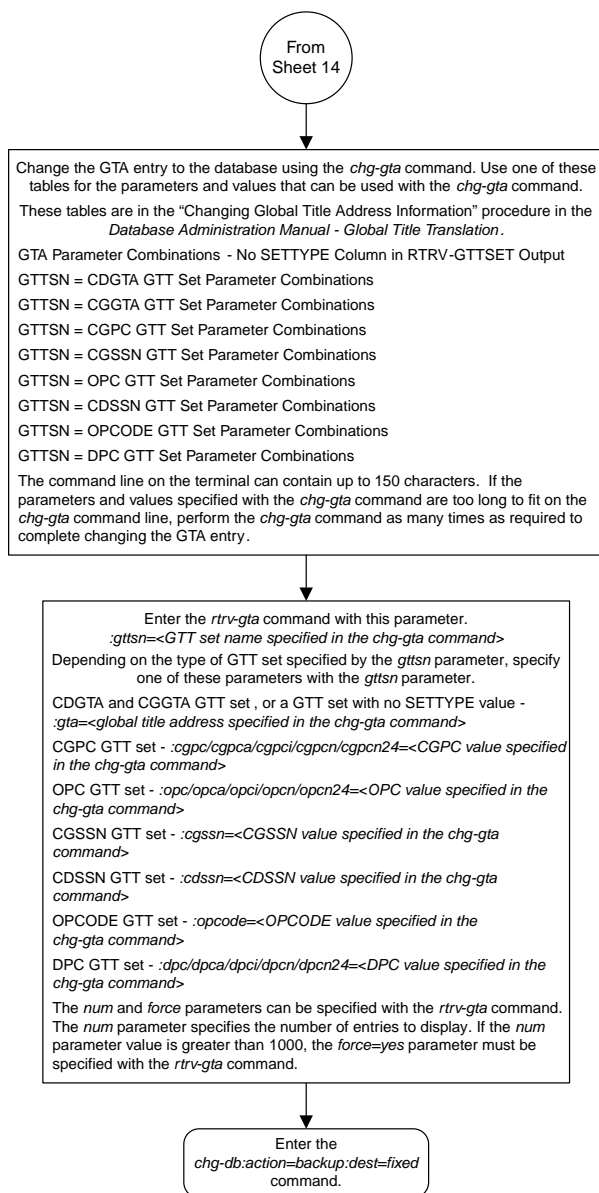




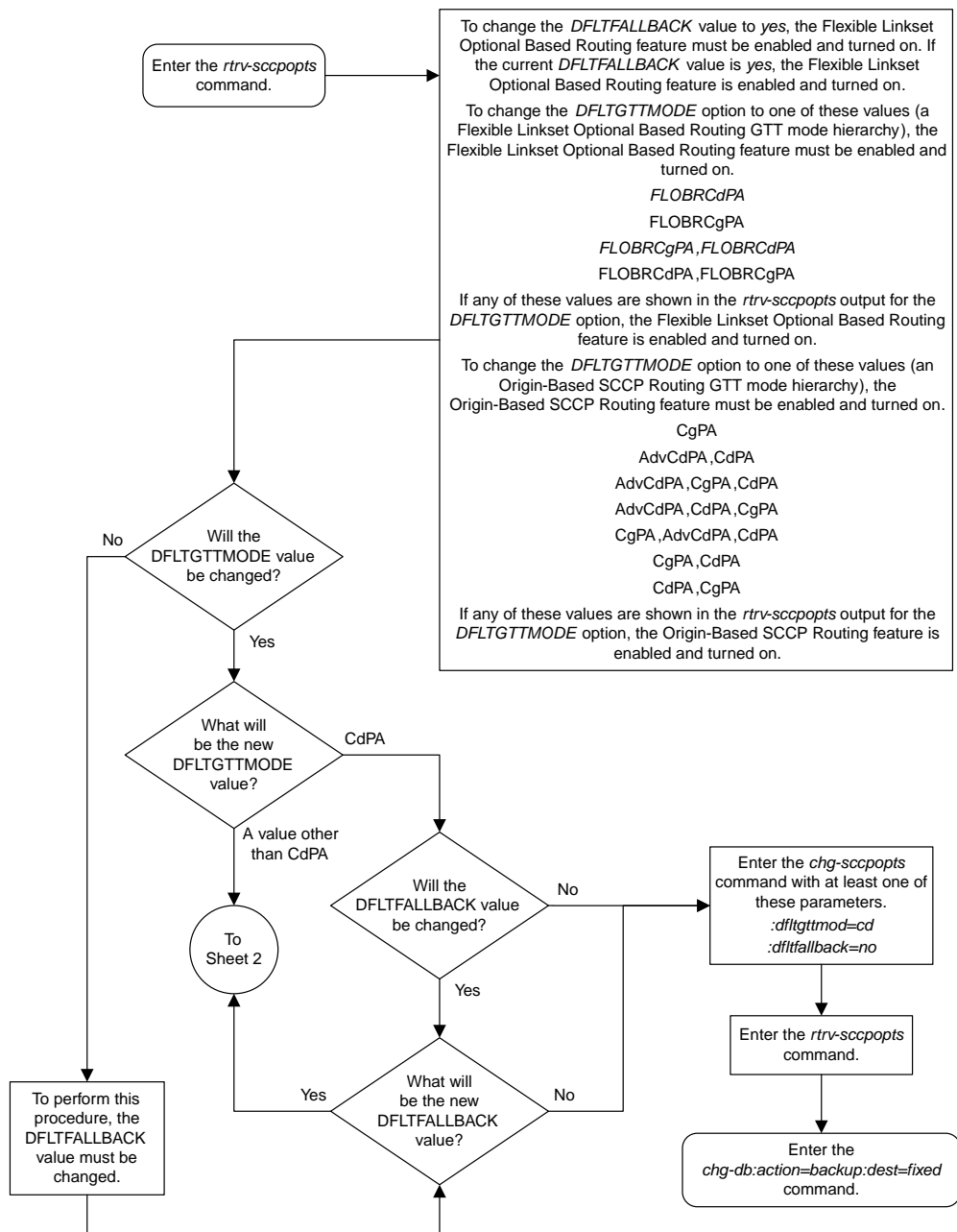




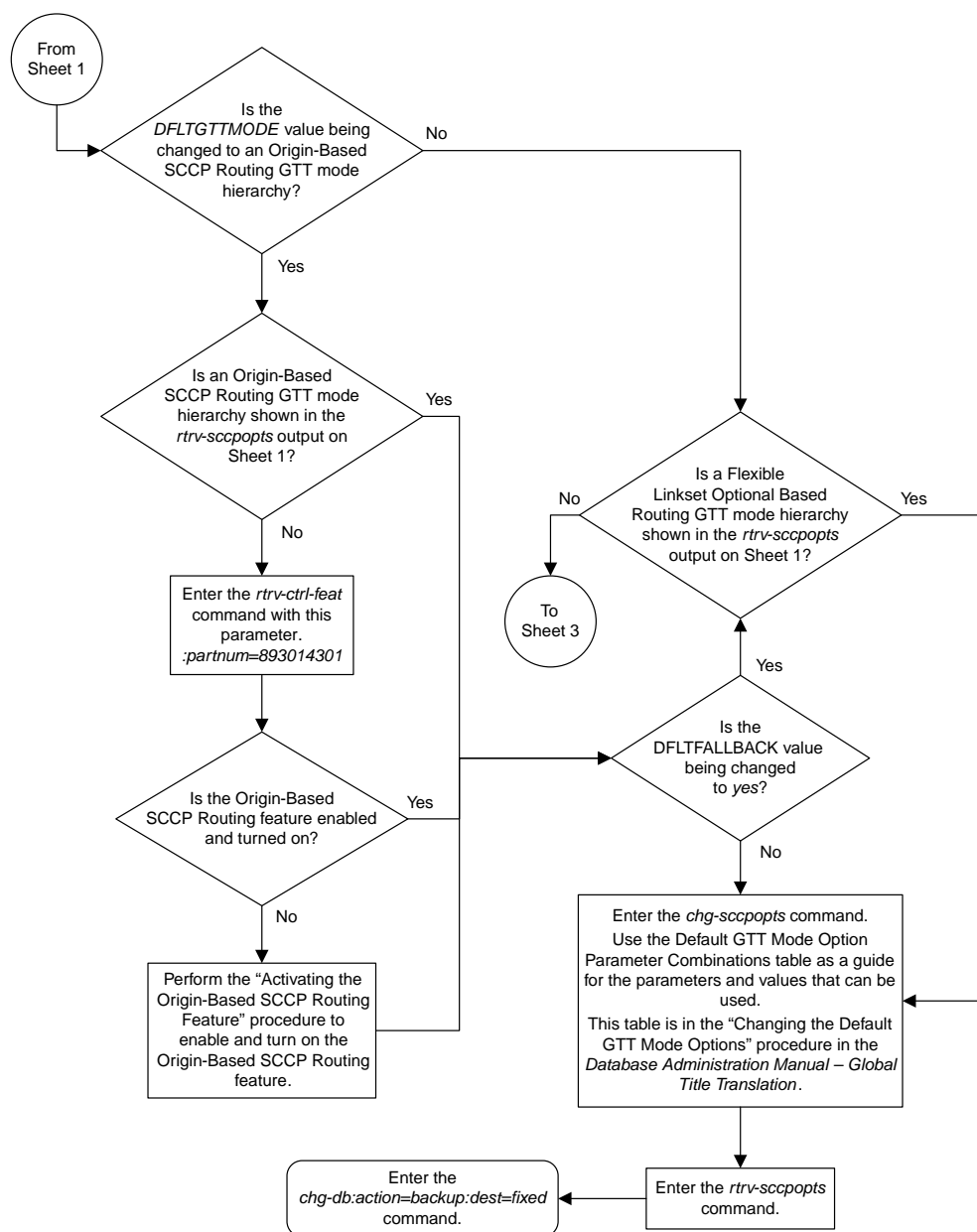




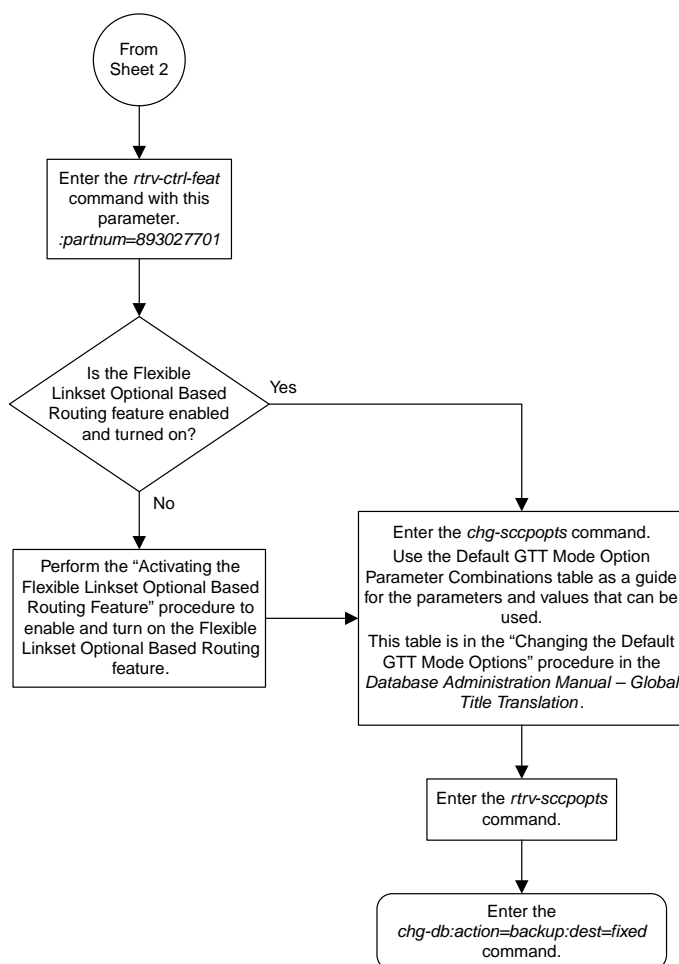
## Changing the Default GTT Mode Options



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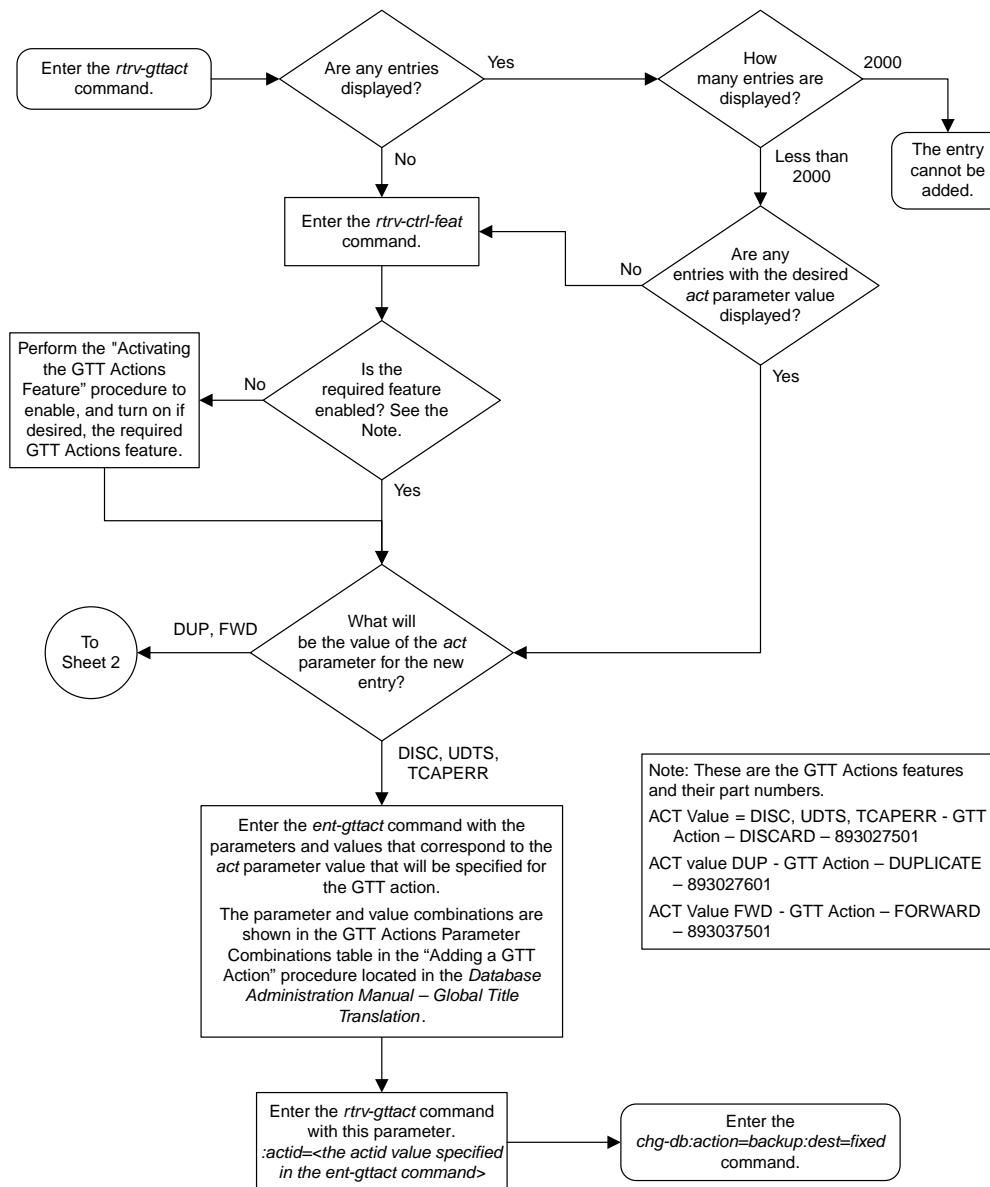


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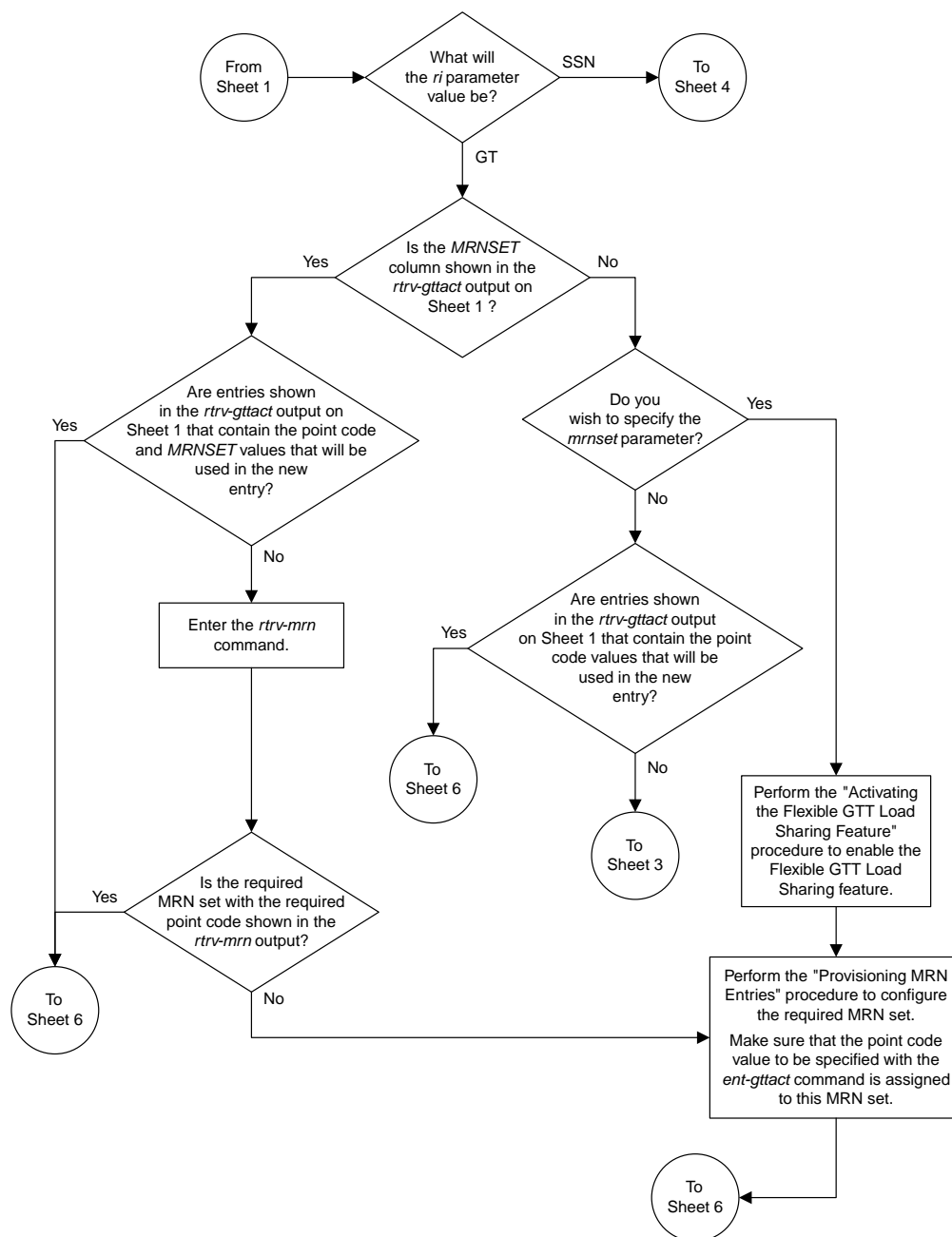


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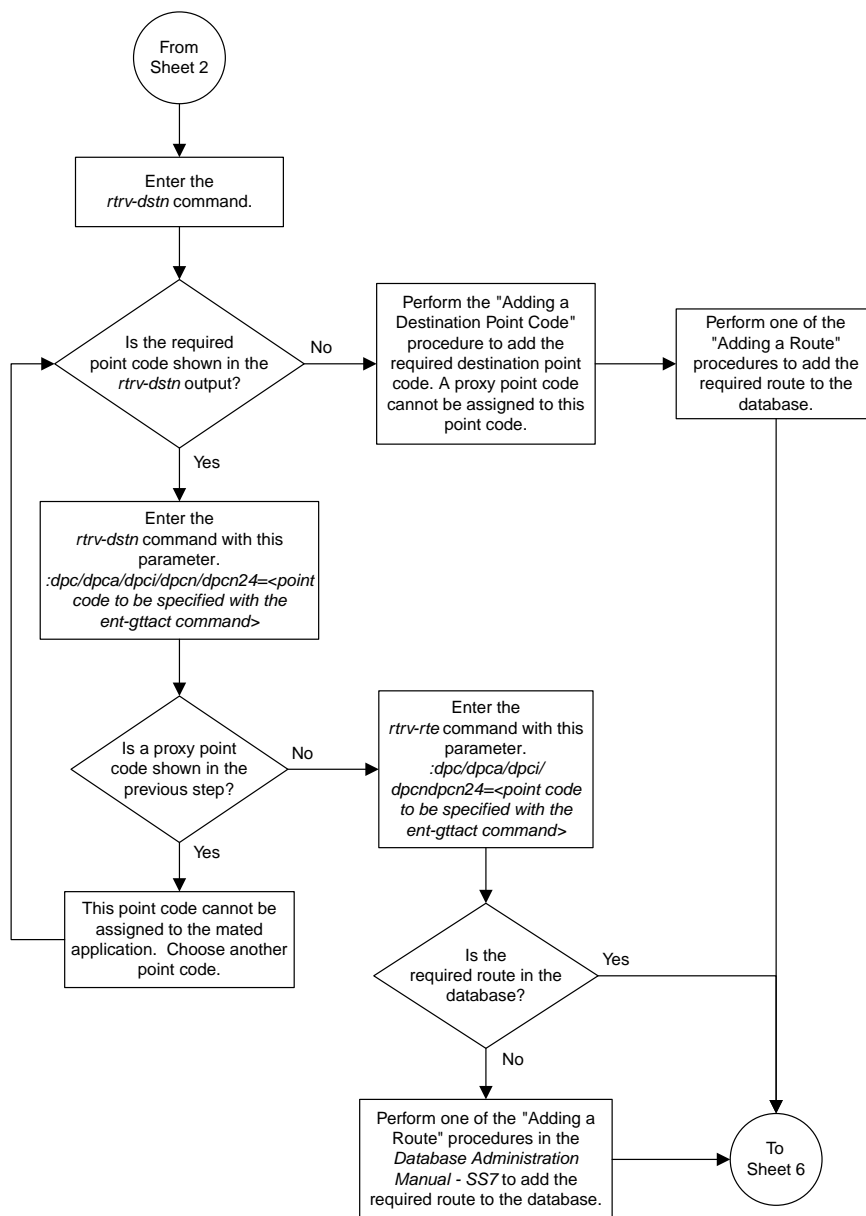
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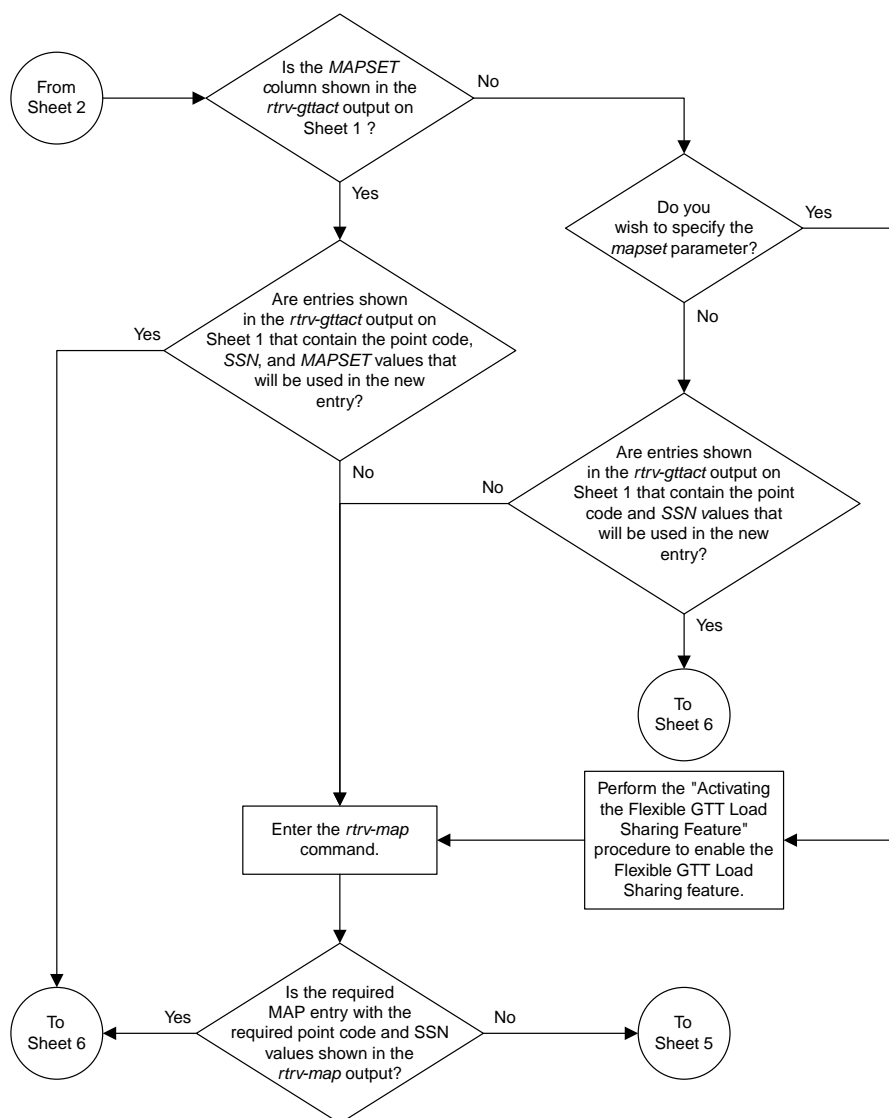


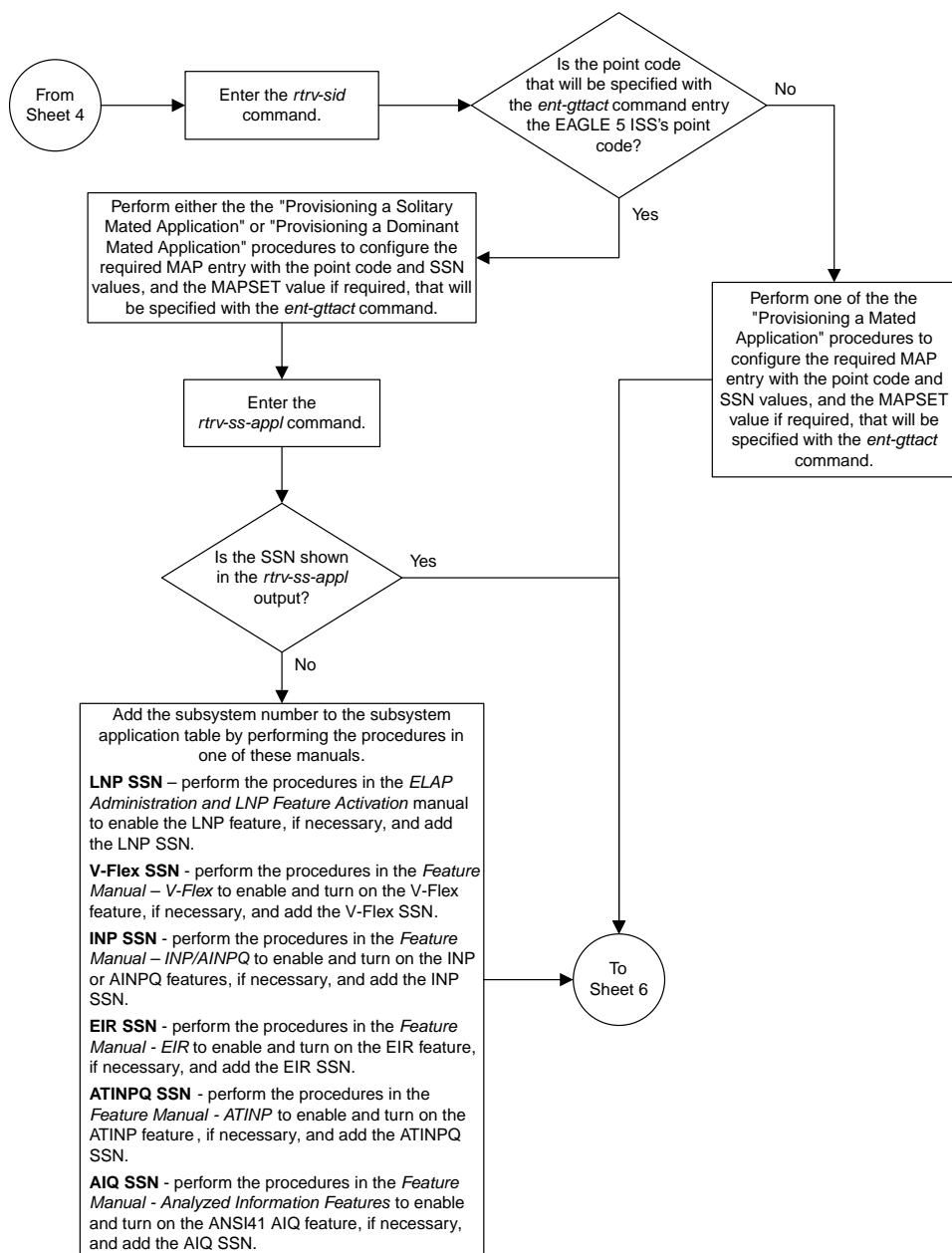


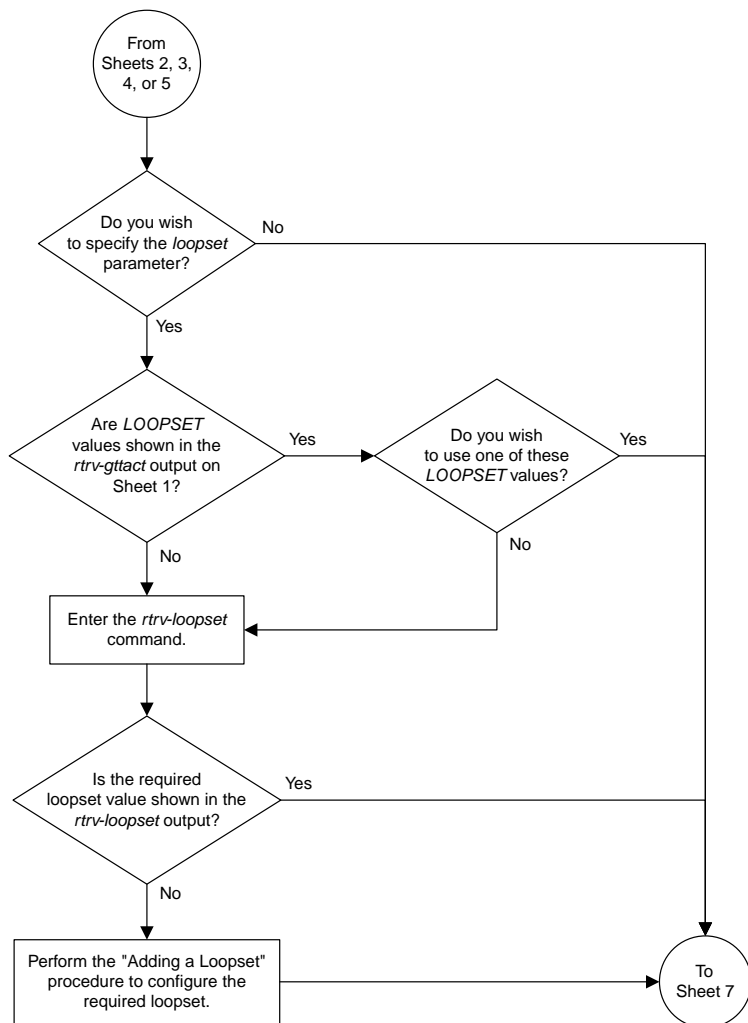
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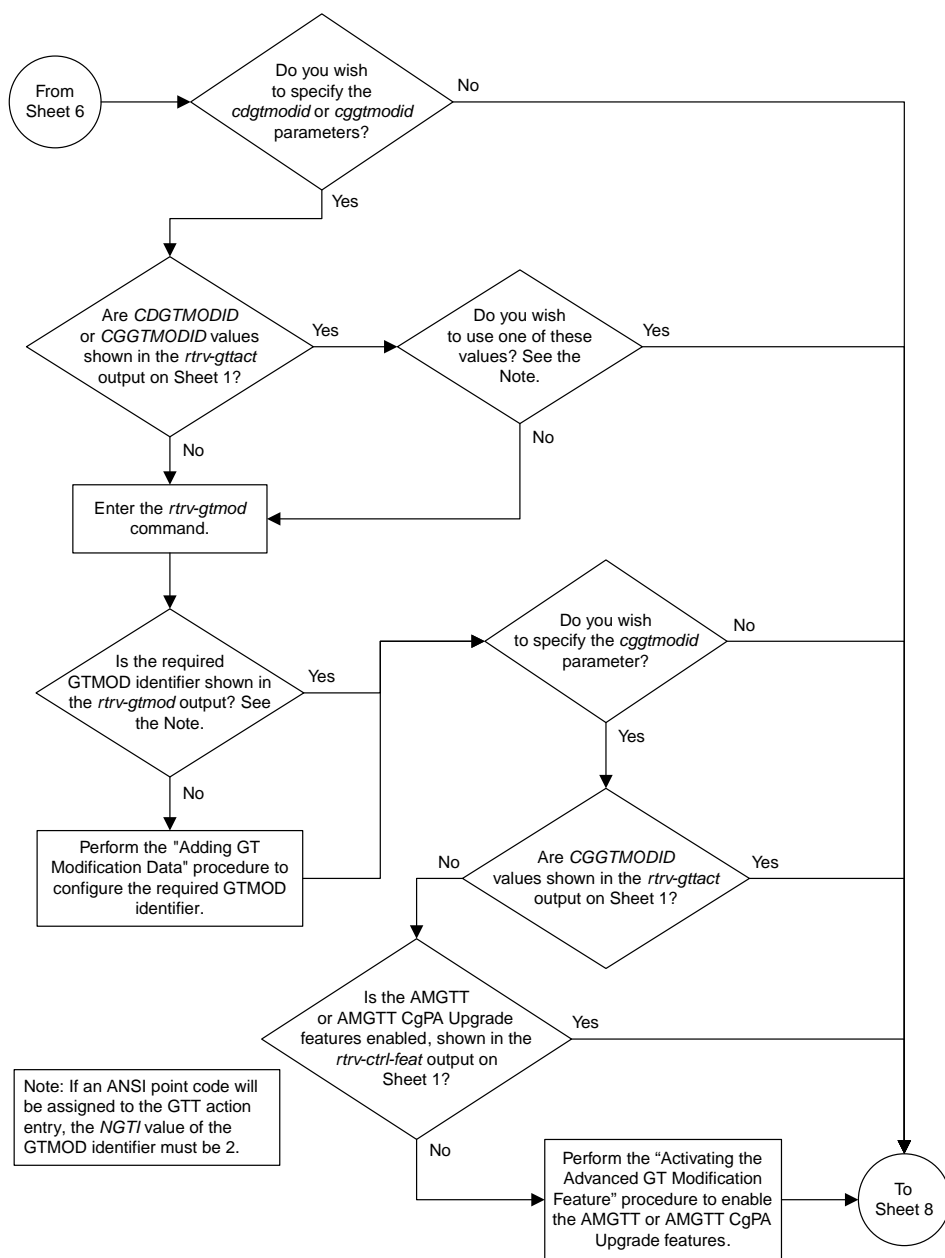
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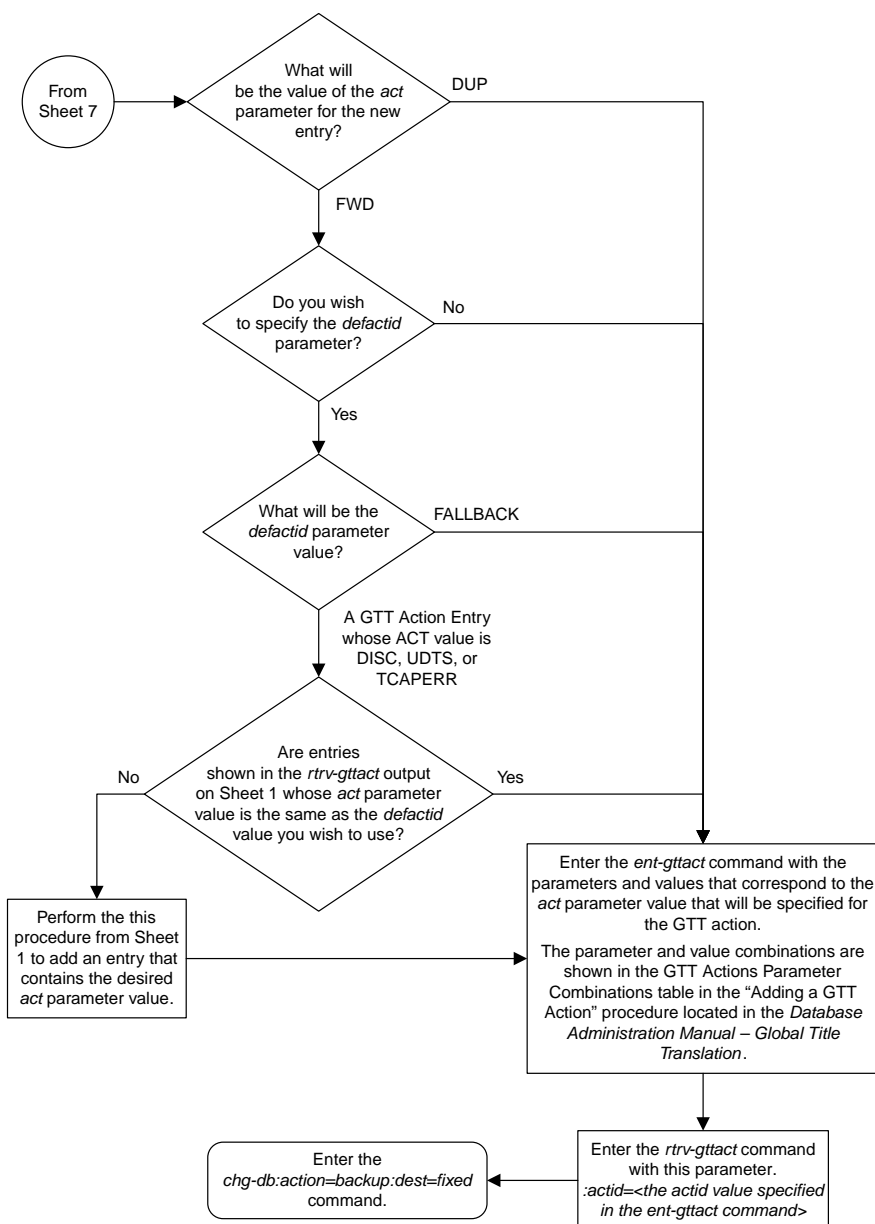




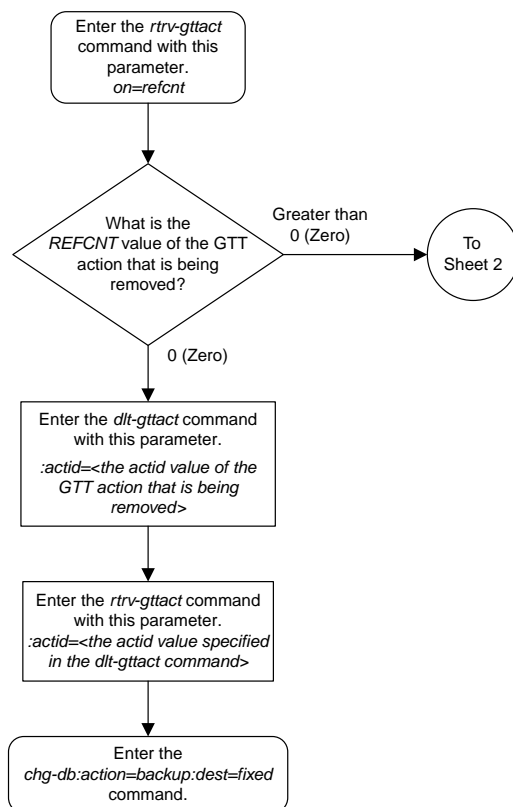
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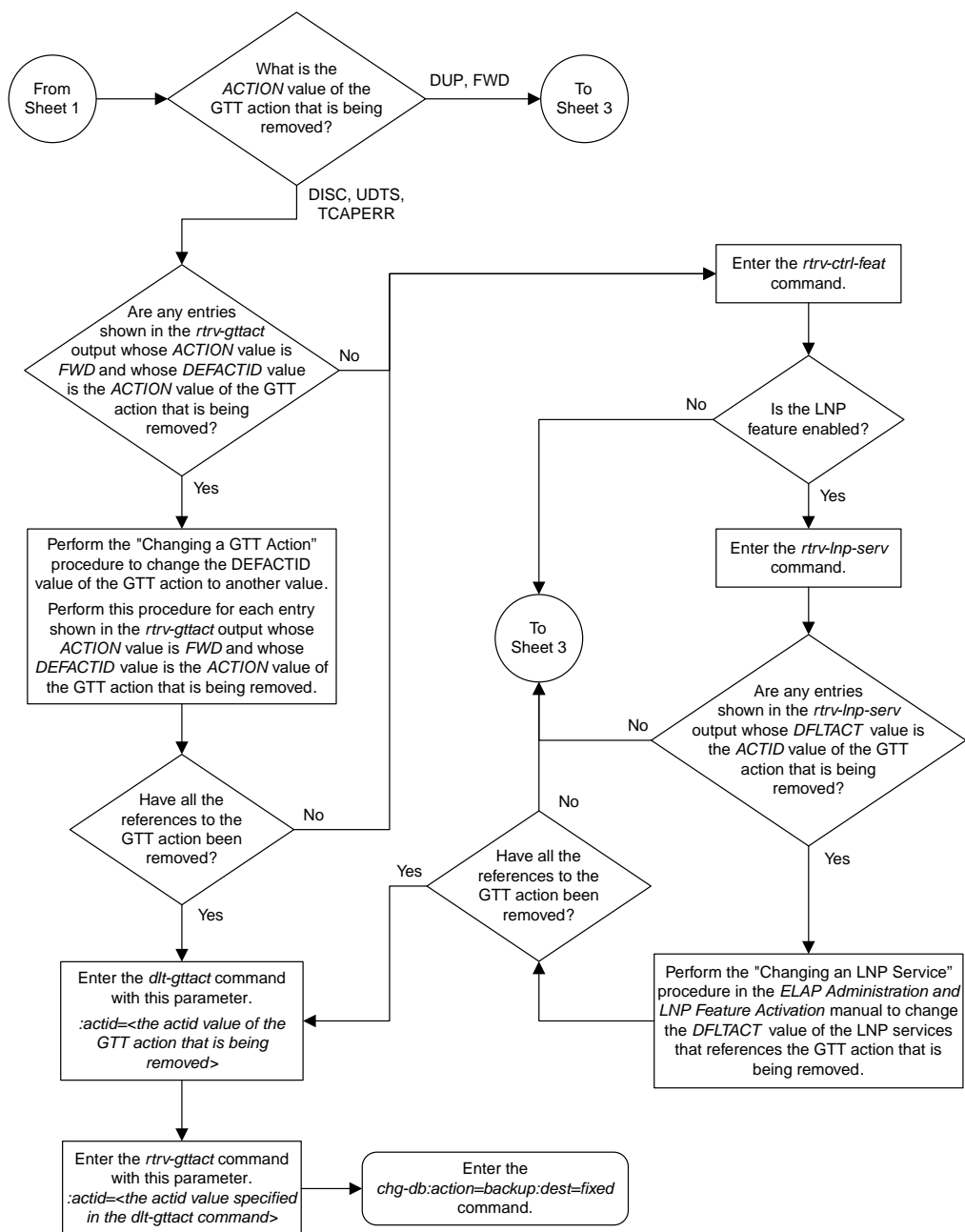
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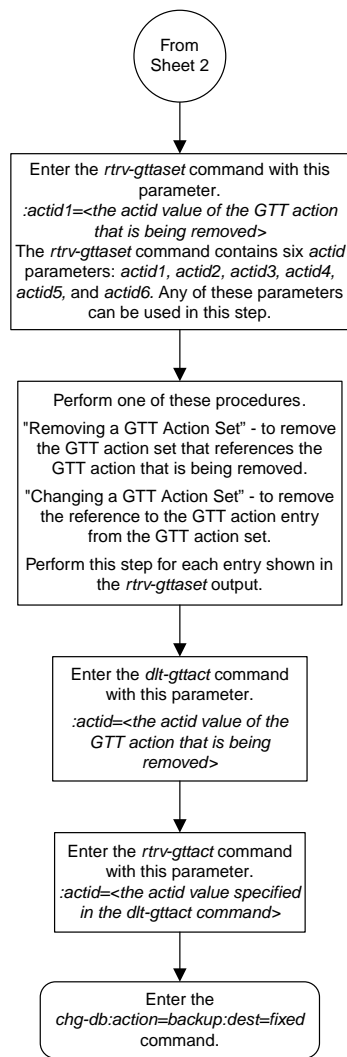
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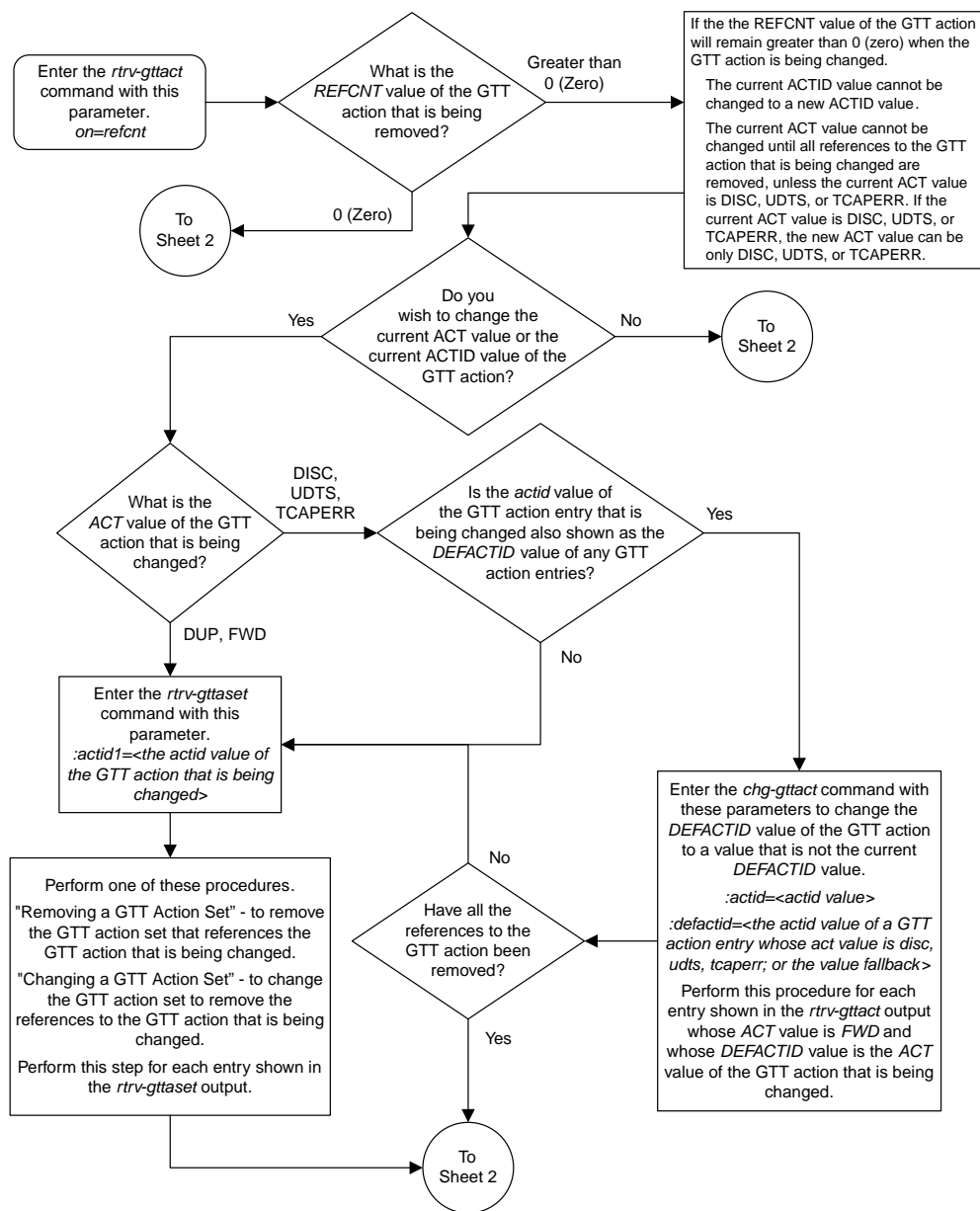




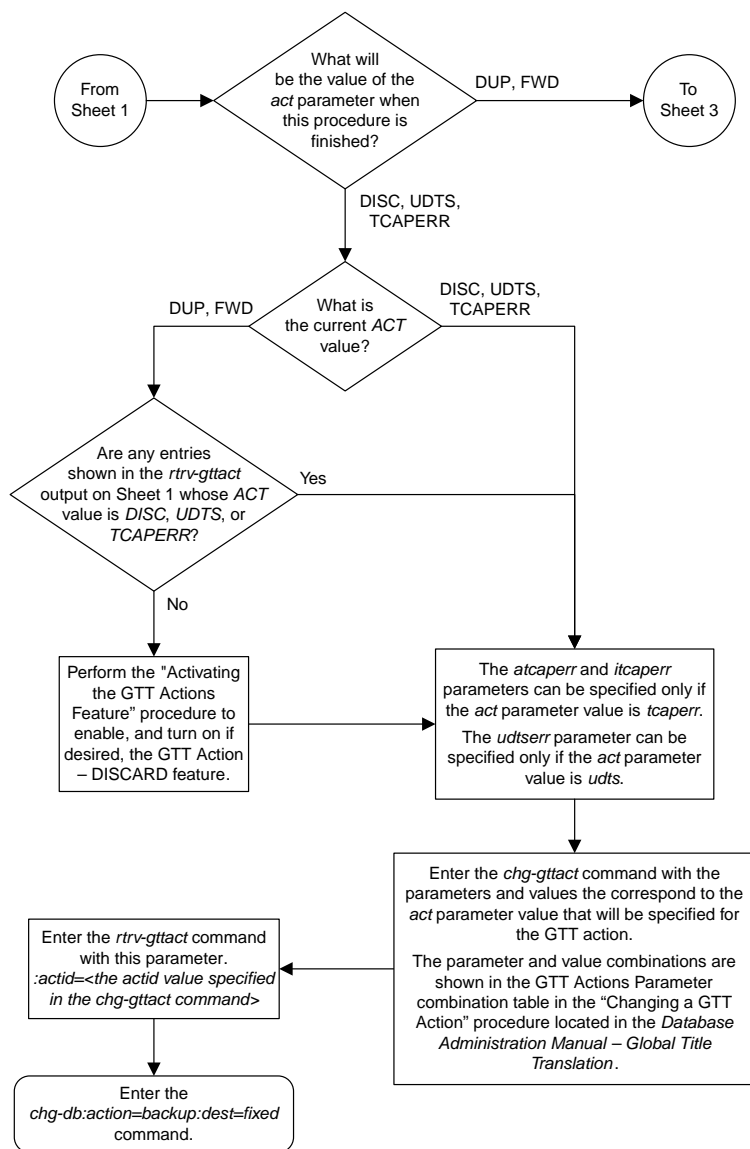
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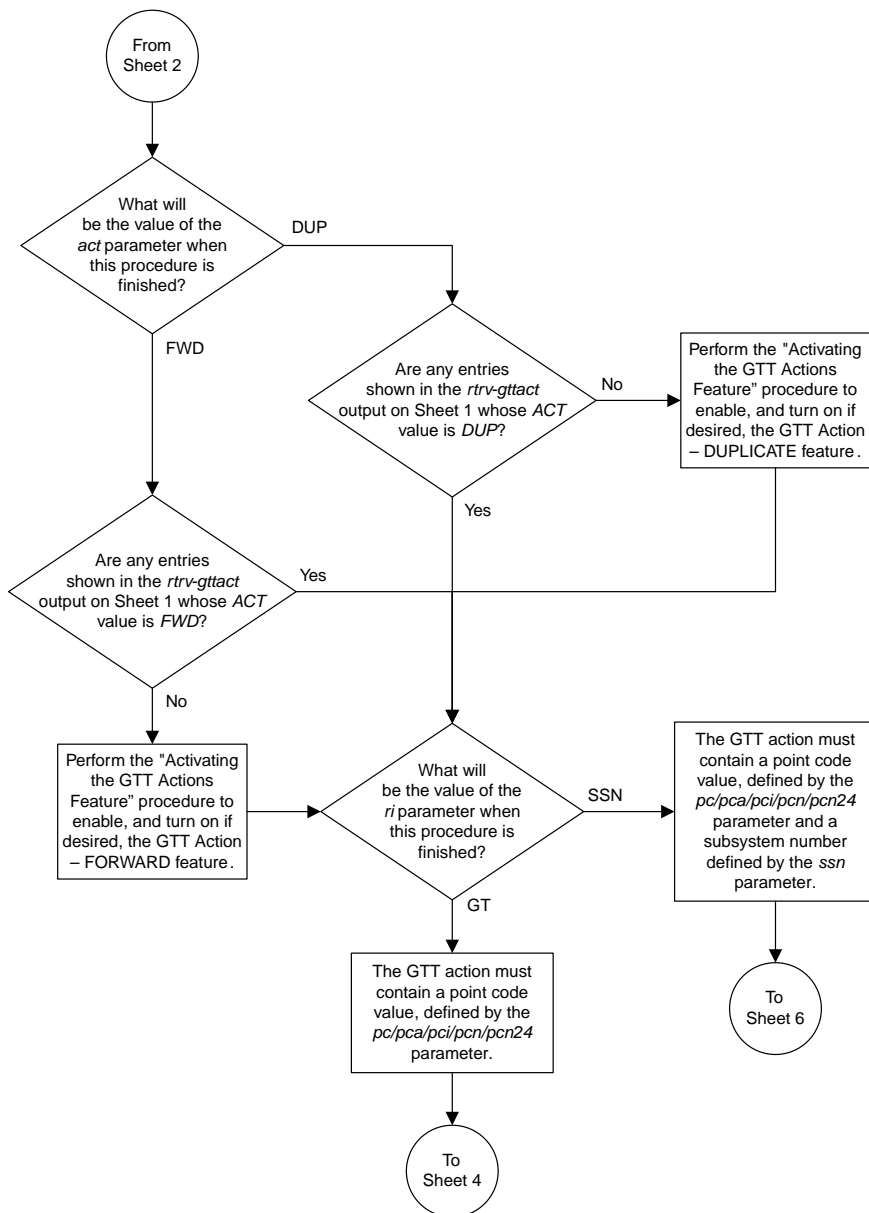
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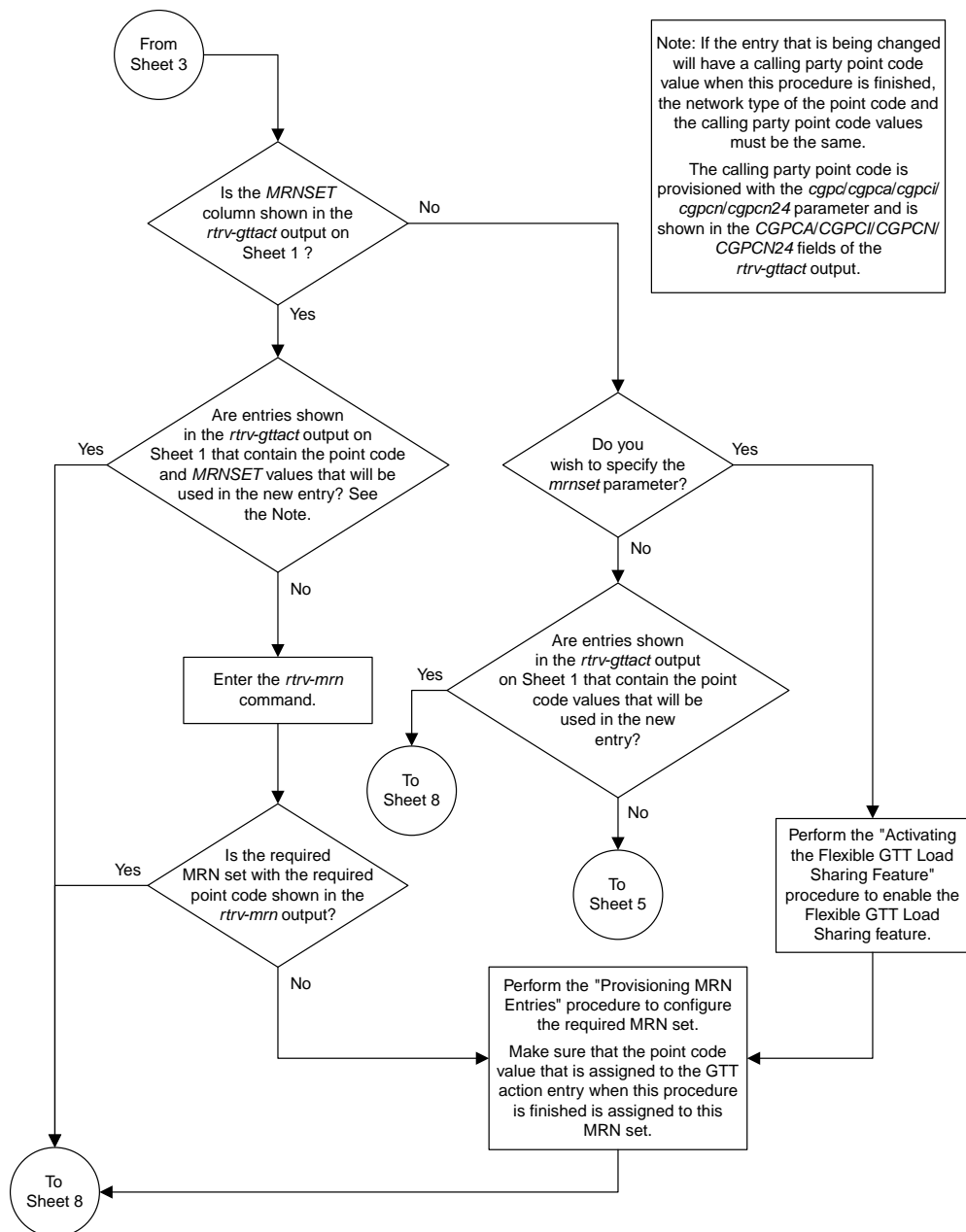
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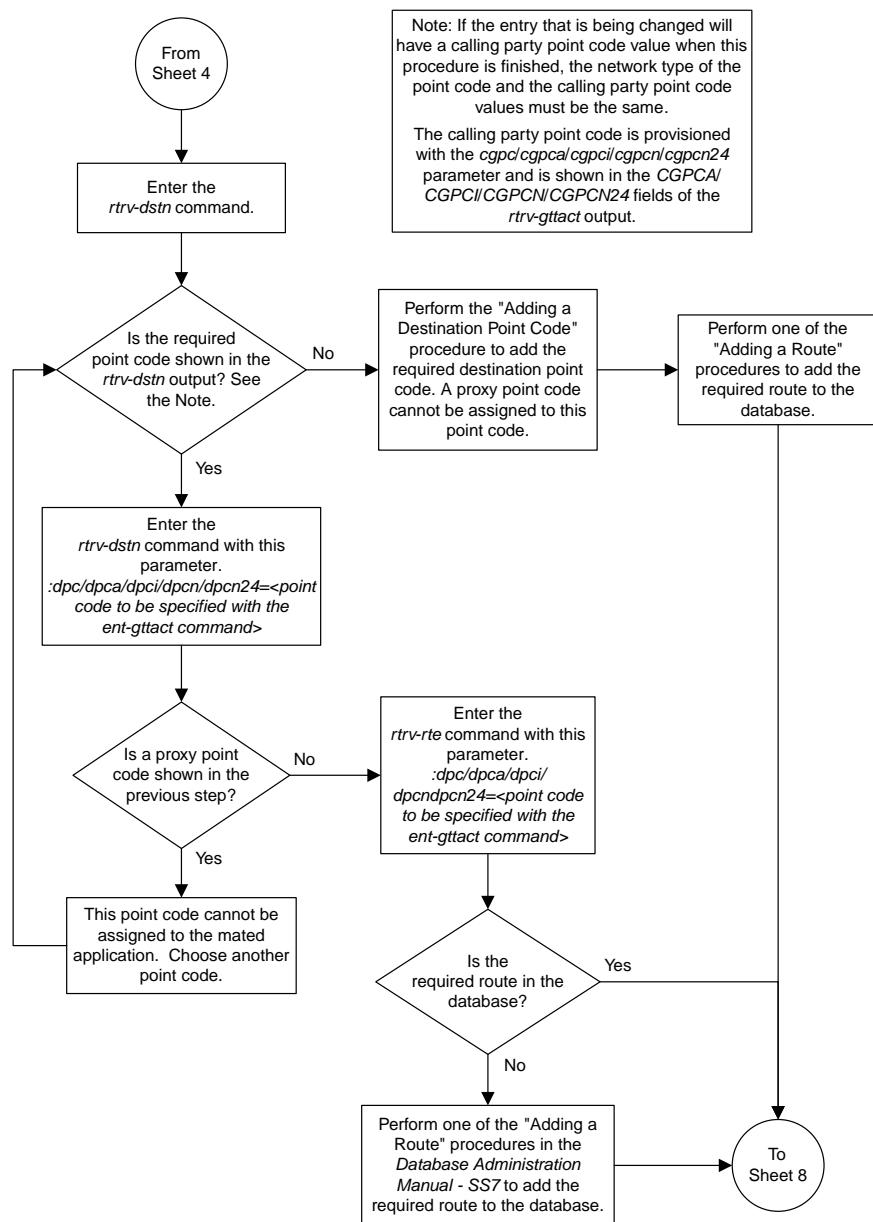
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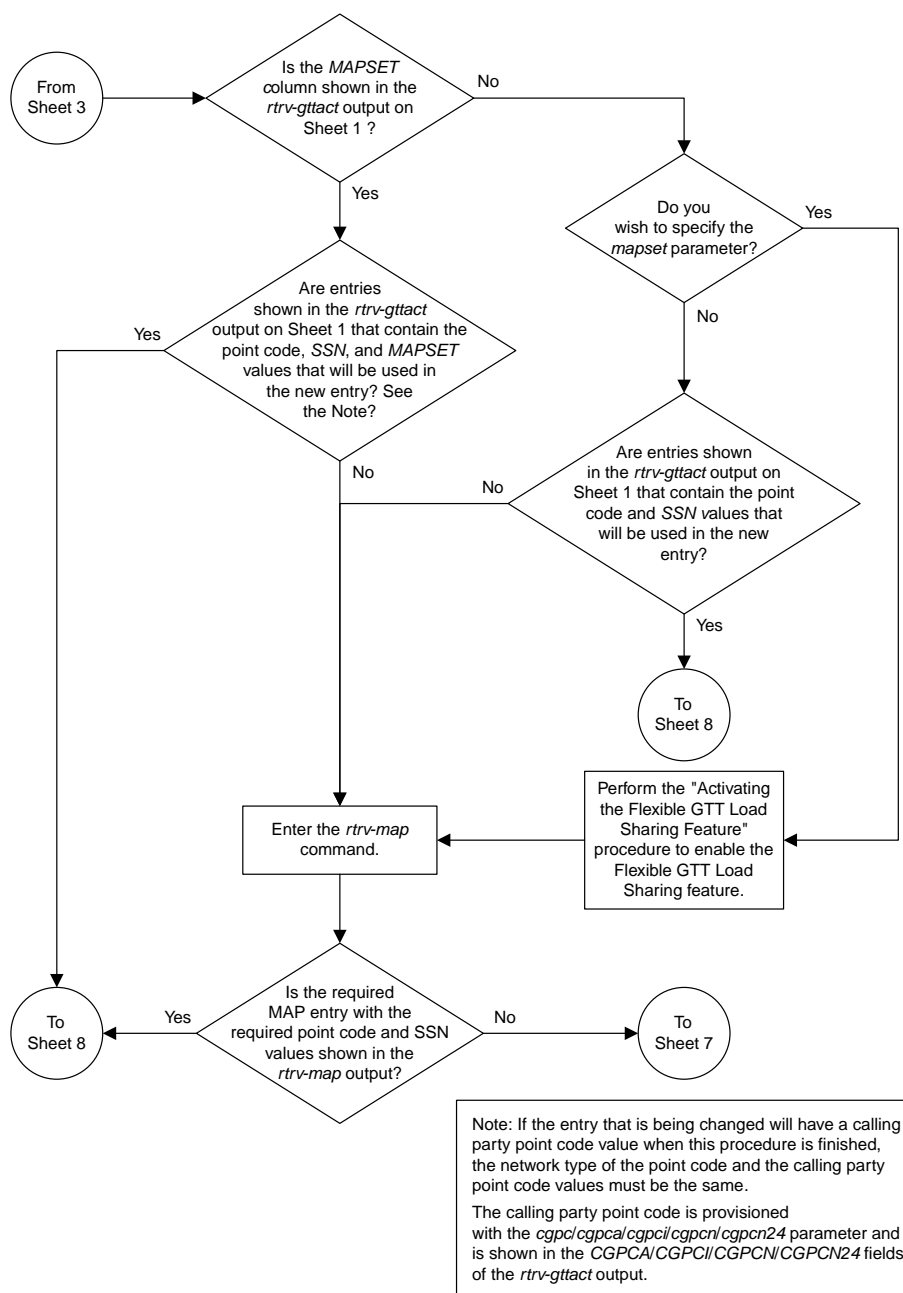


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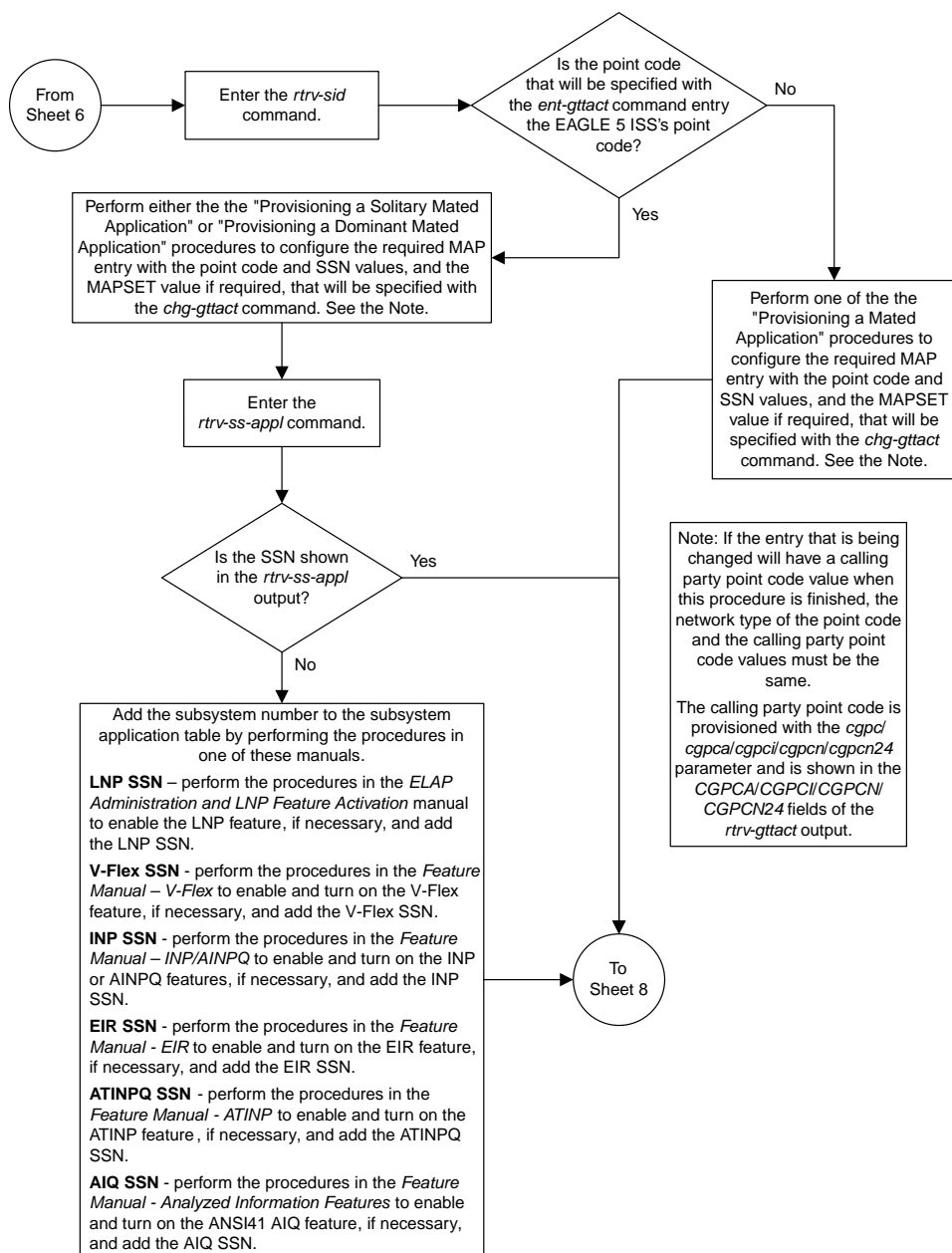


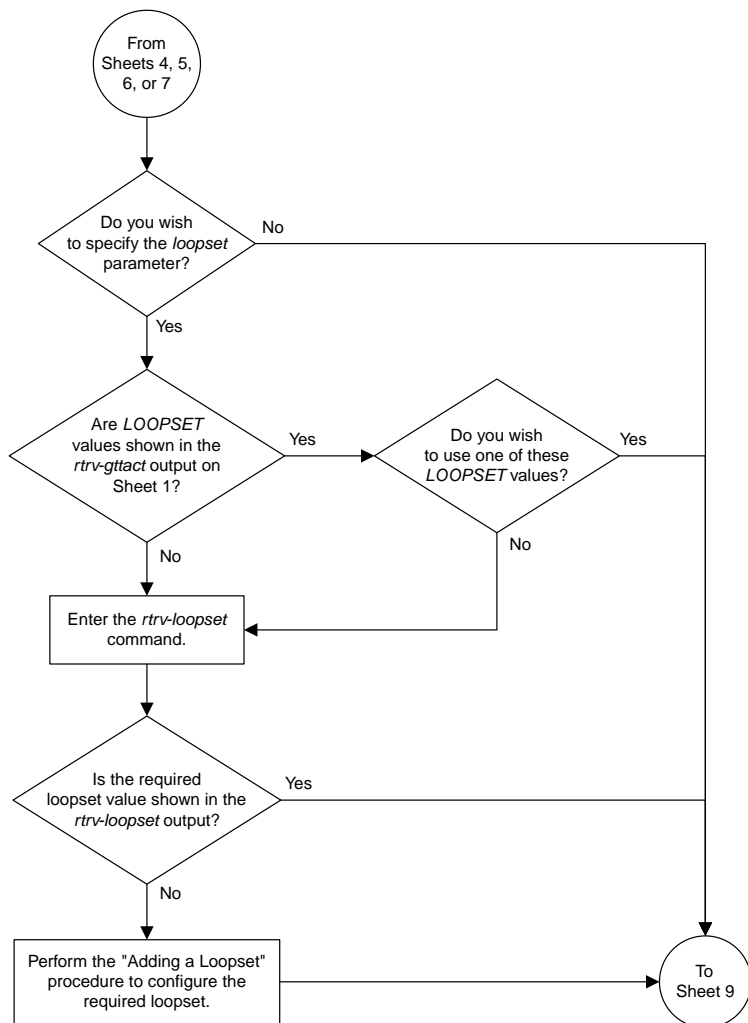
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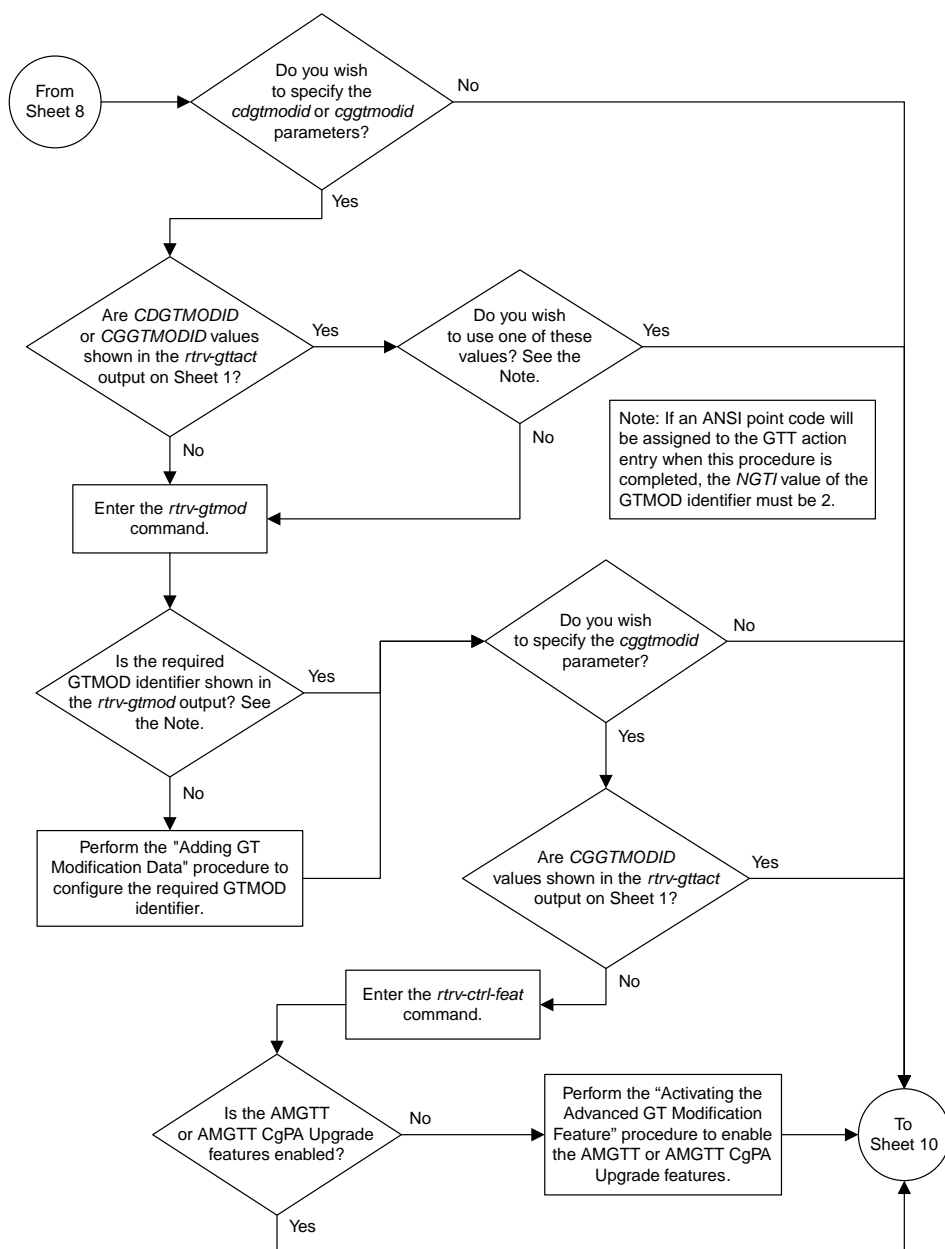




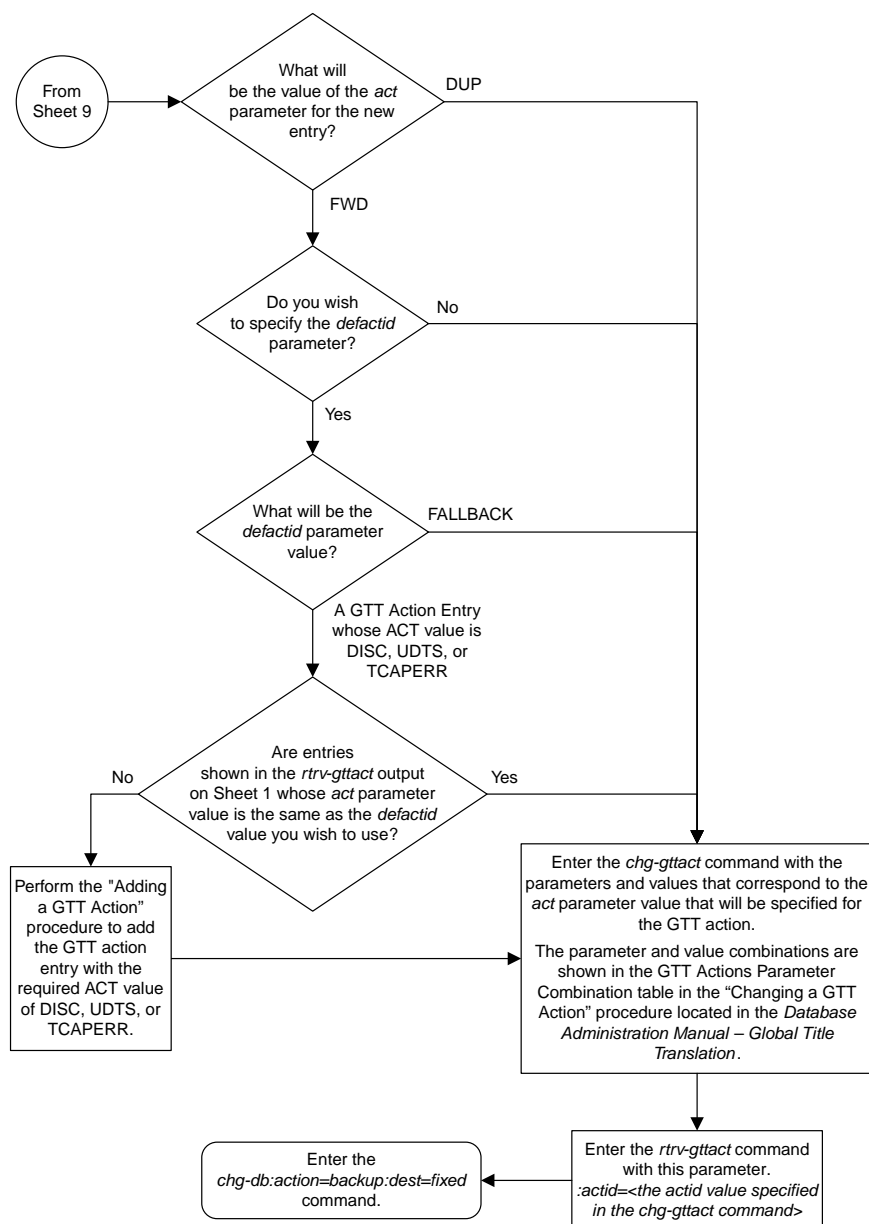




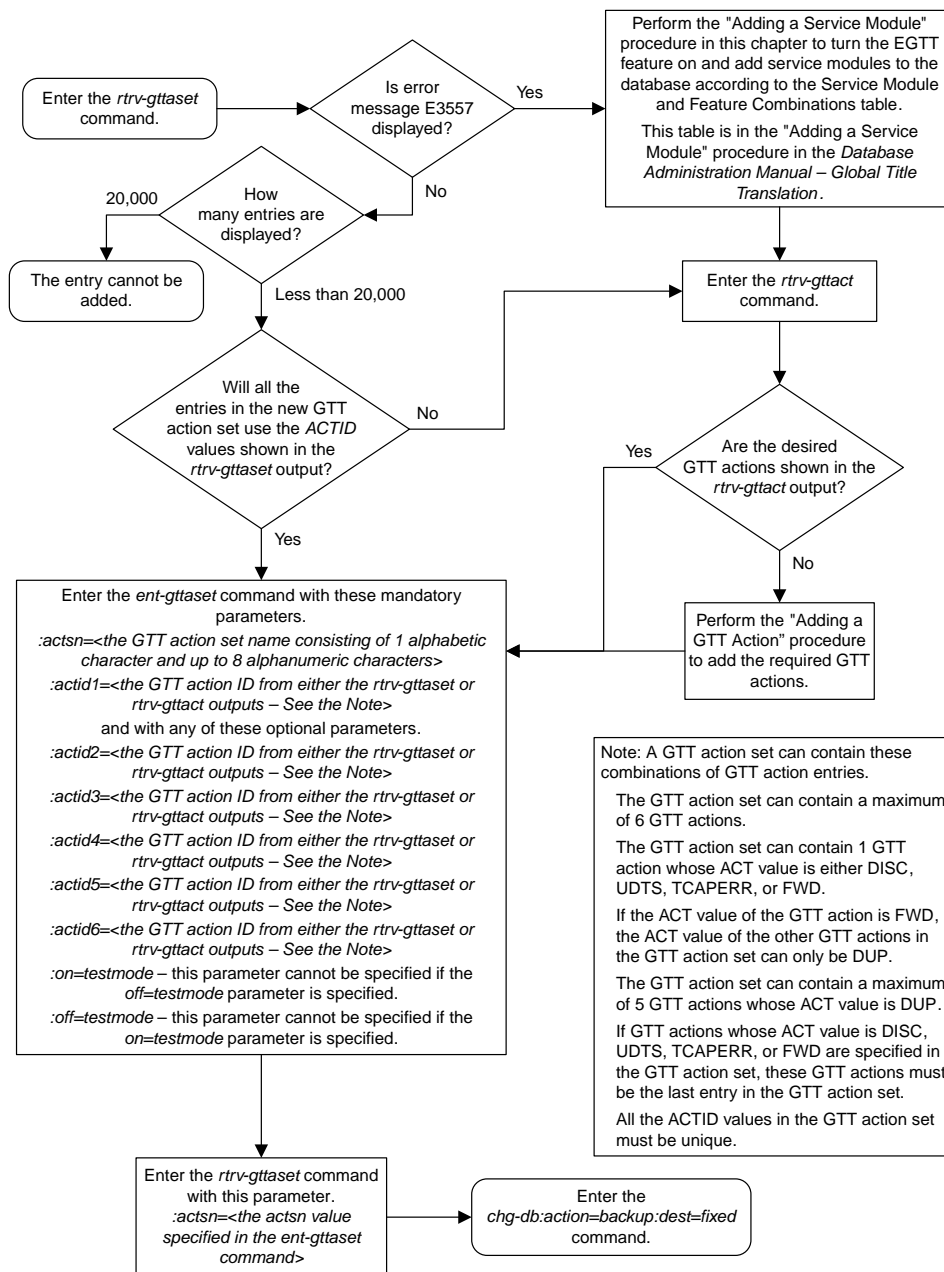
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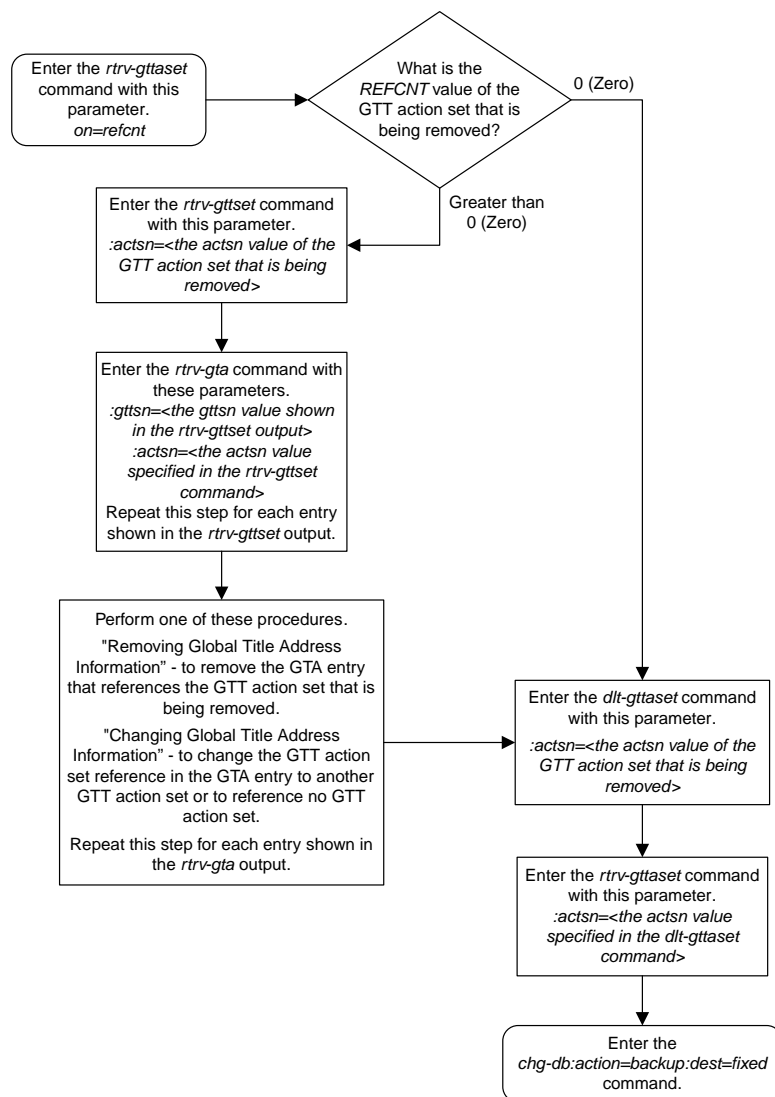
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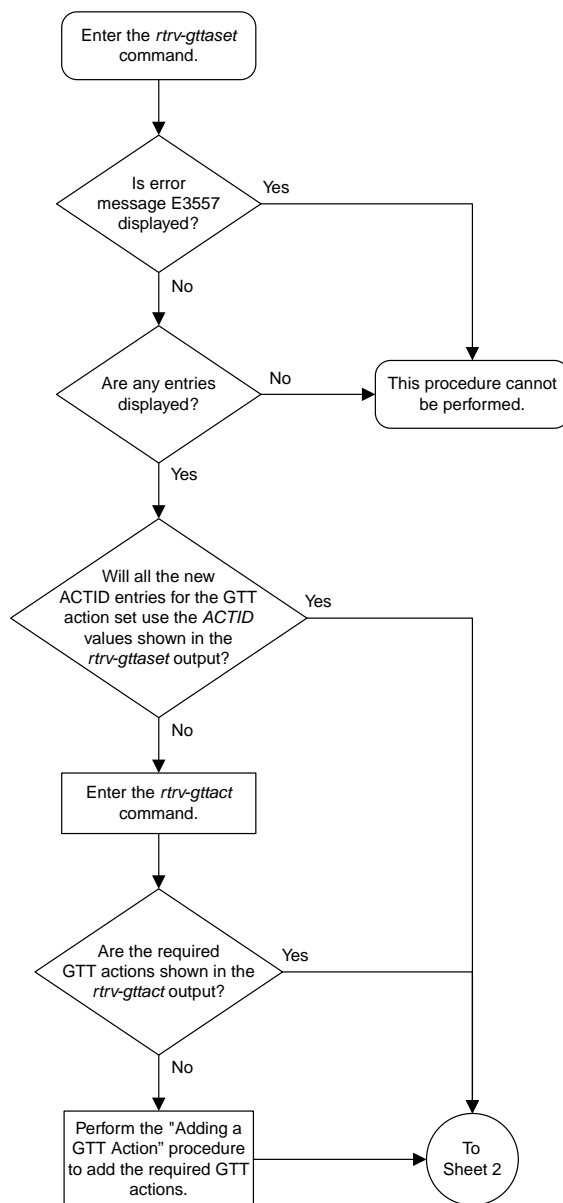
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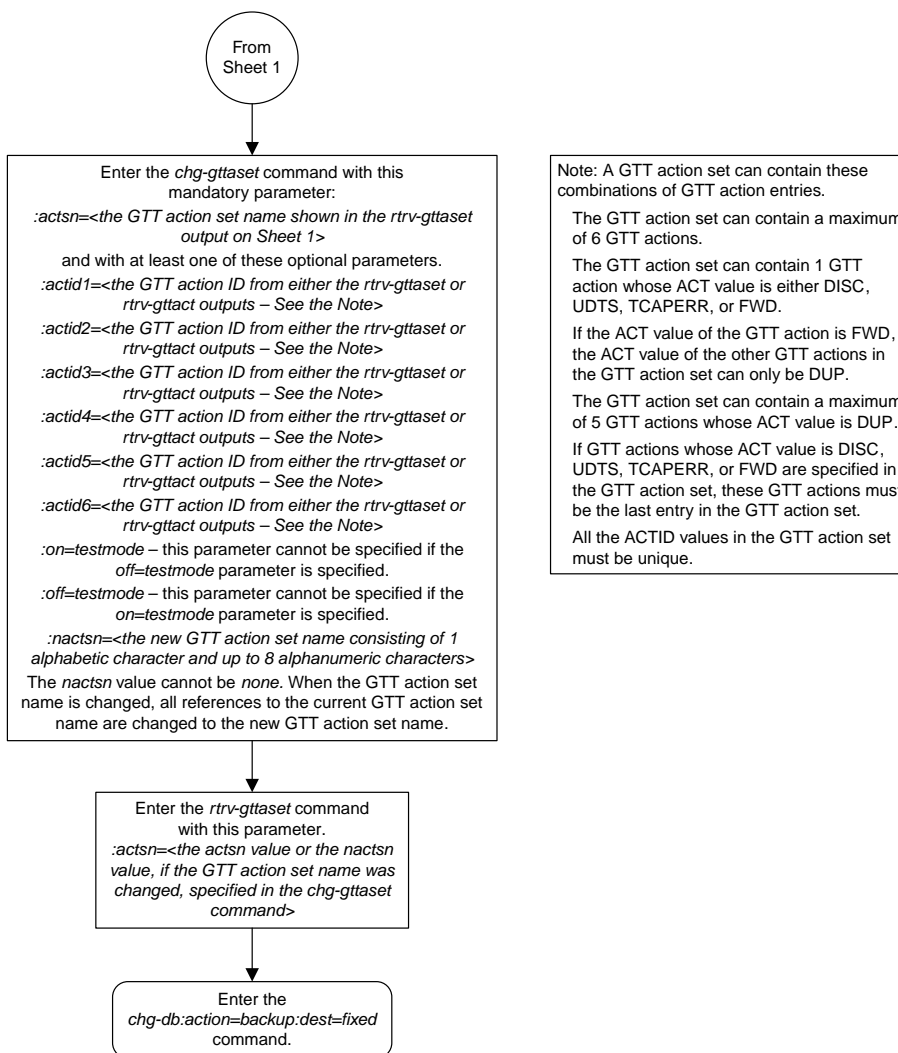
## Removing a GTT Action Set



## Changing a GTT Action Set

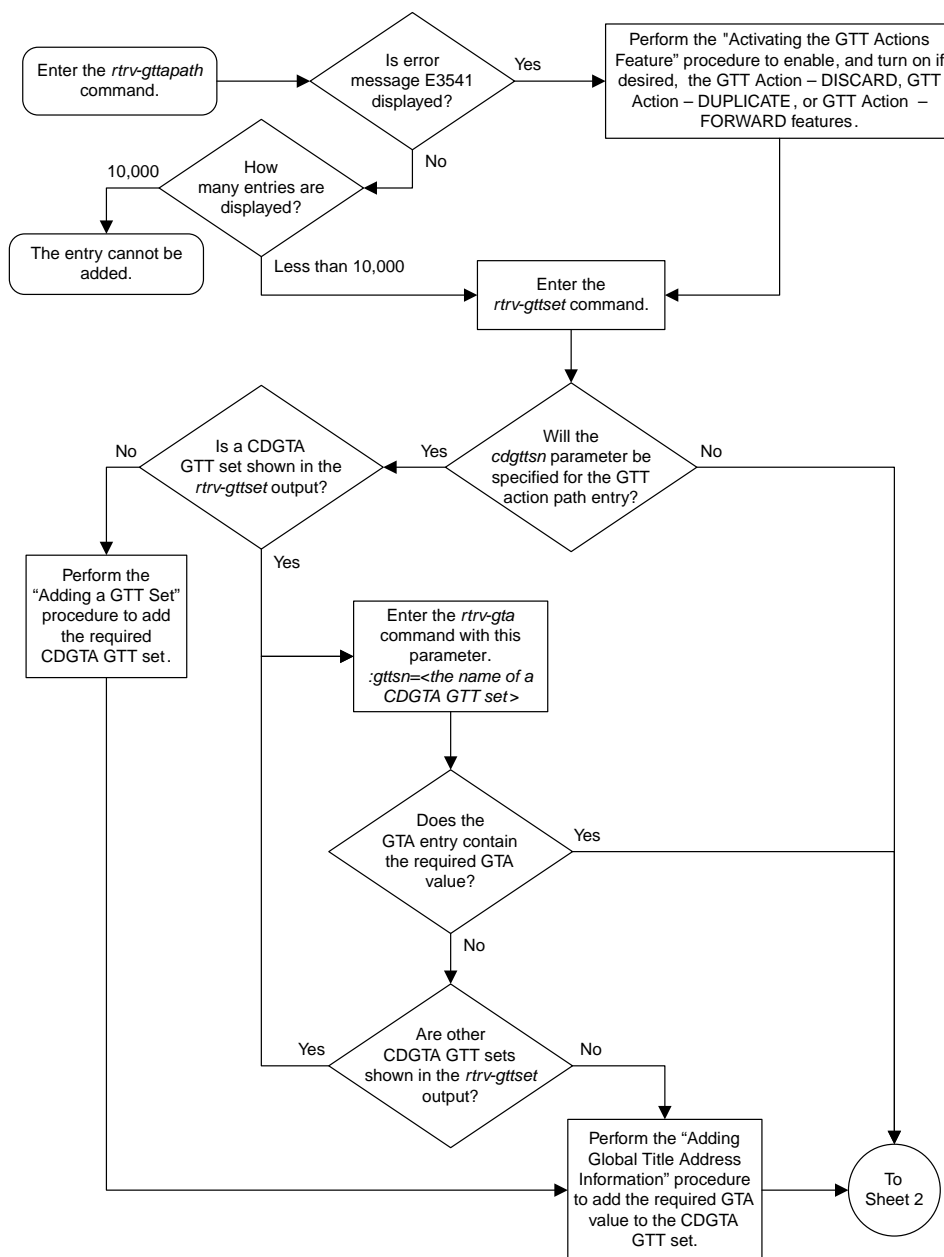


Sheet 1 of 2

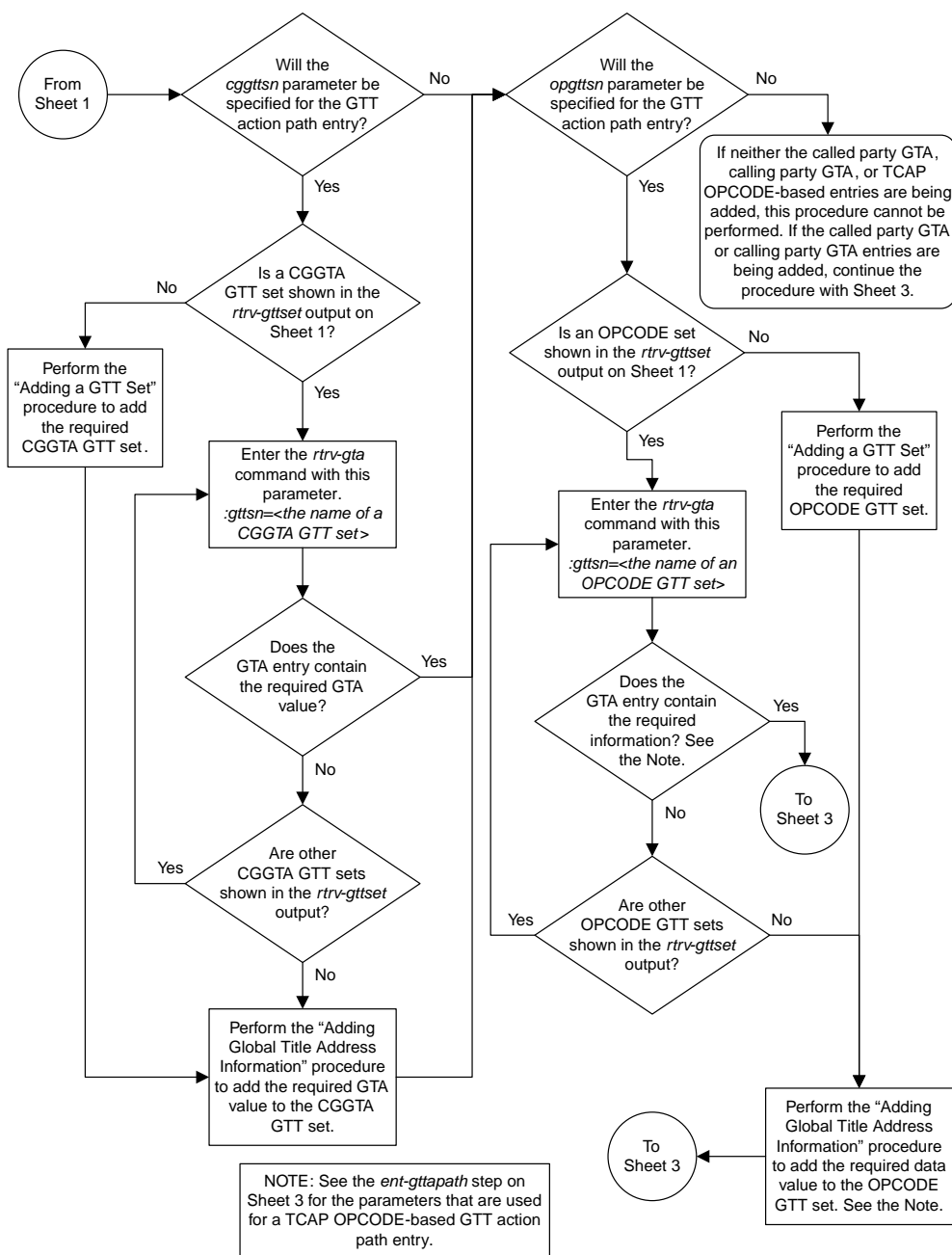




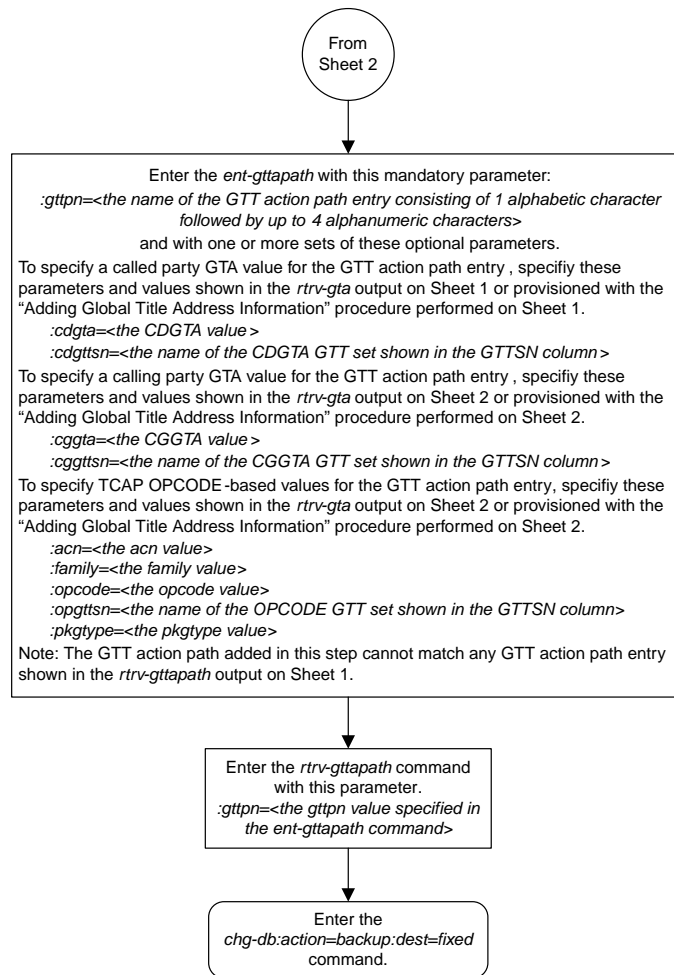
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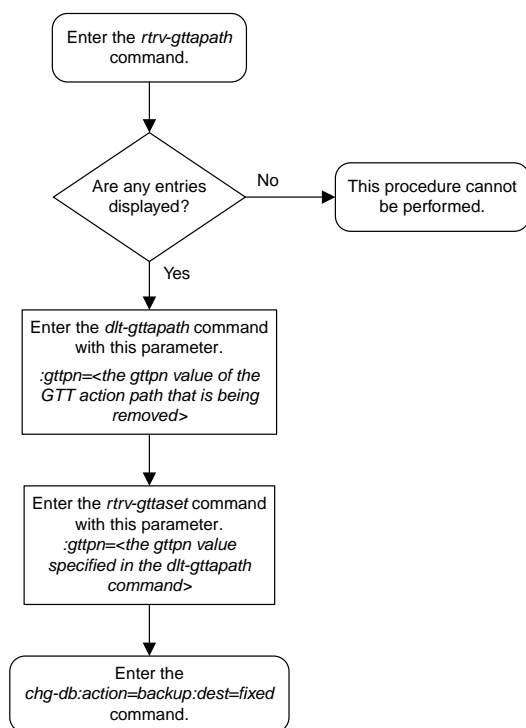
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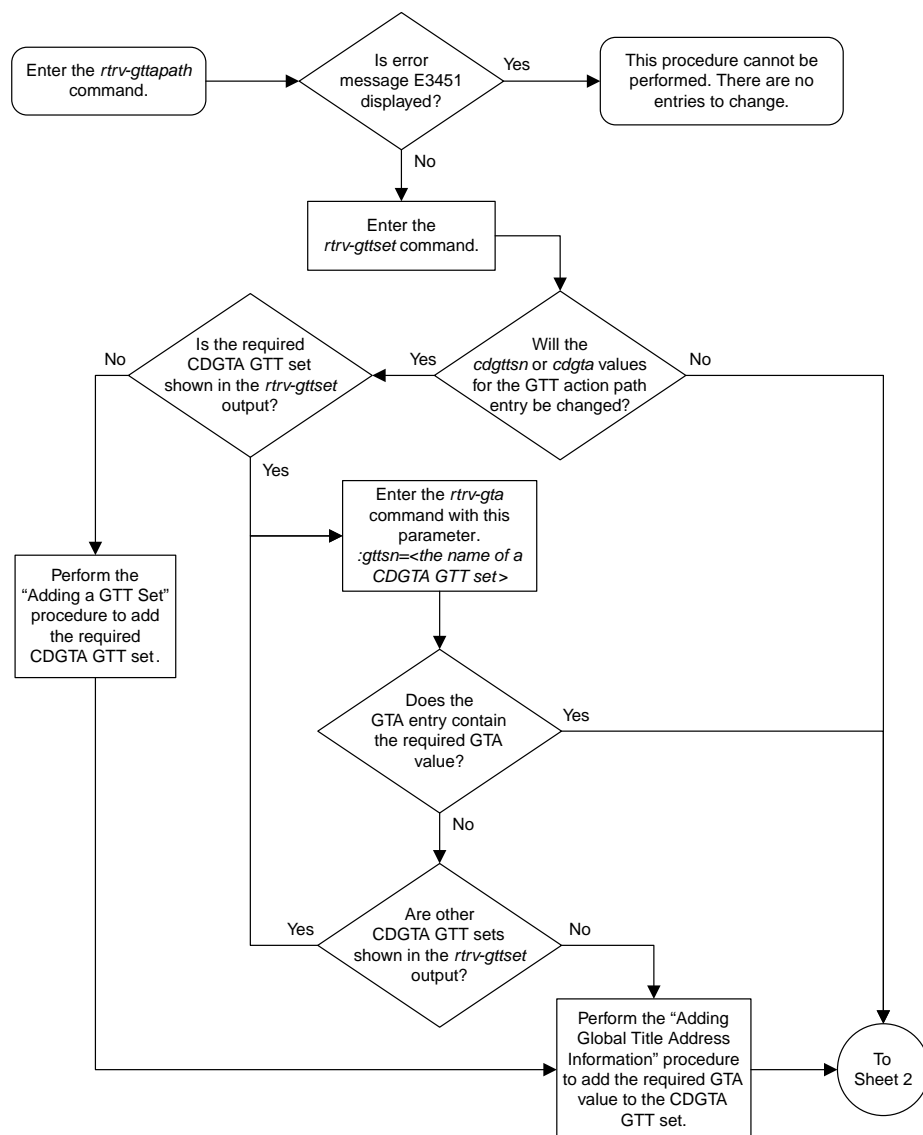
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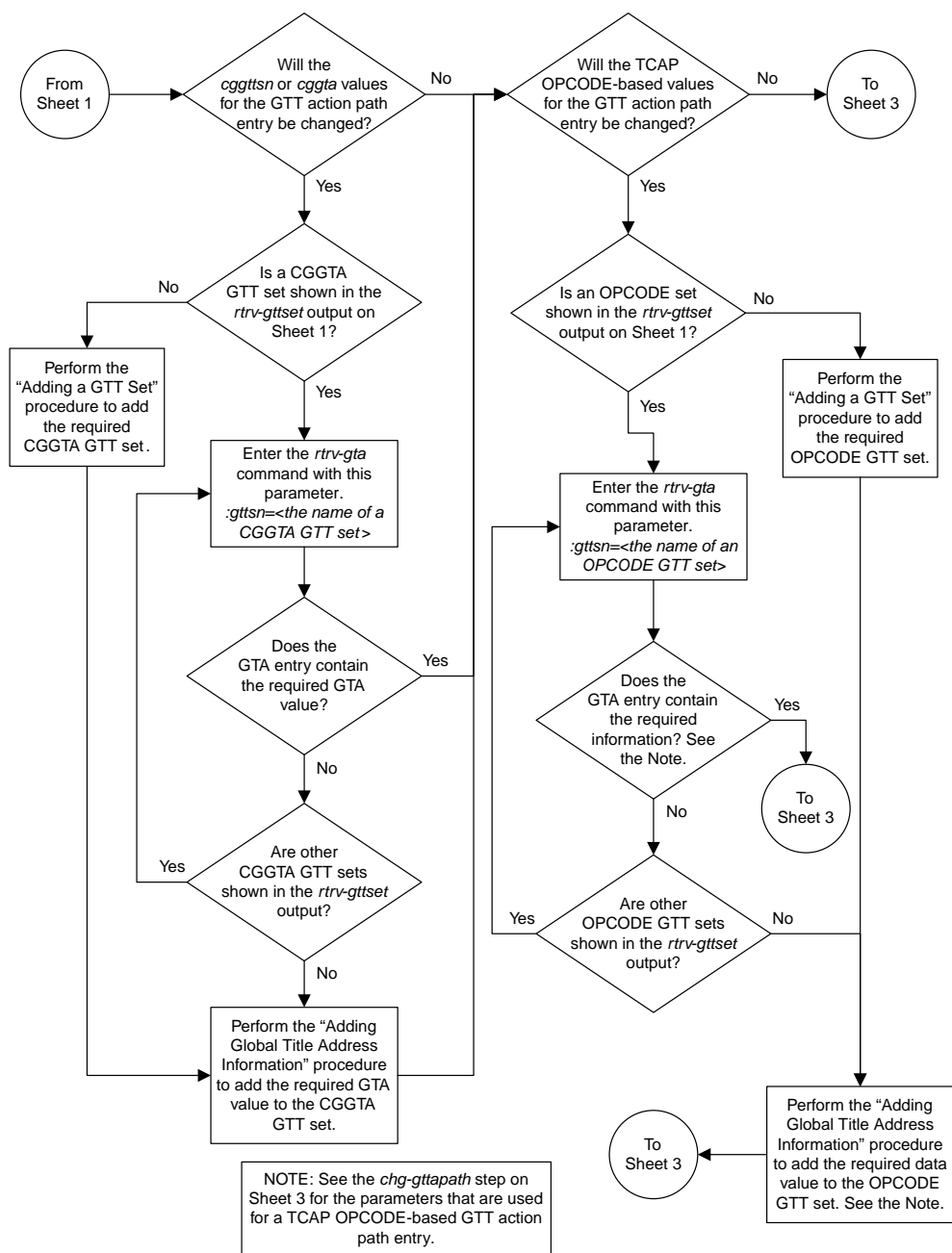


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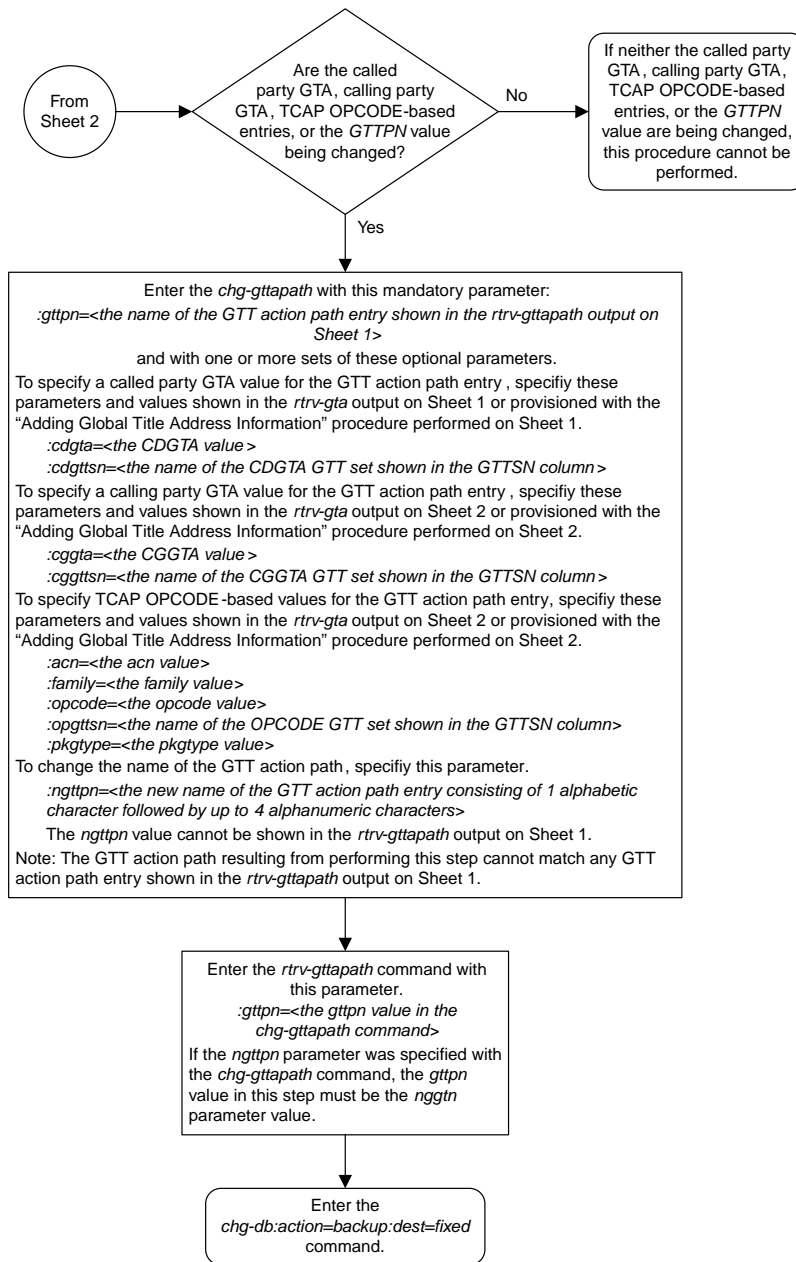


## Changing a GTT Action Path Entry

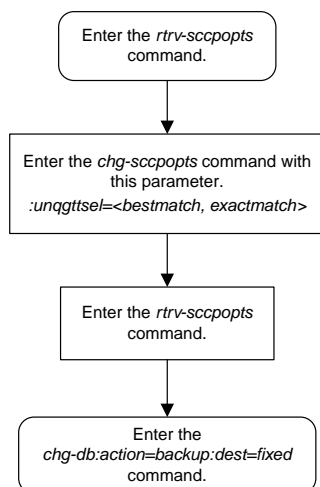




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## Changing the Unique GTT Selector Option





# Chapter 10

## MO SMS B-Party Routing Configuration Flowcharts

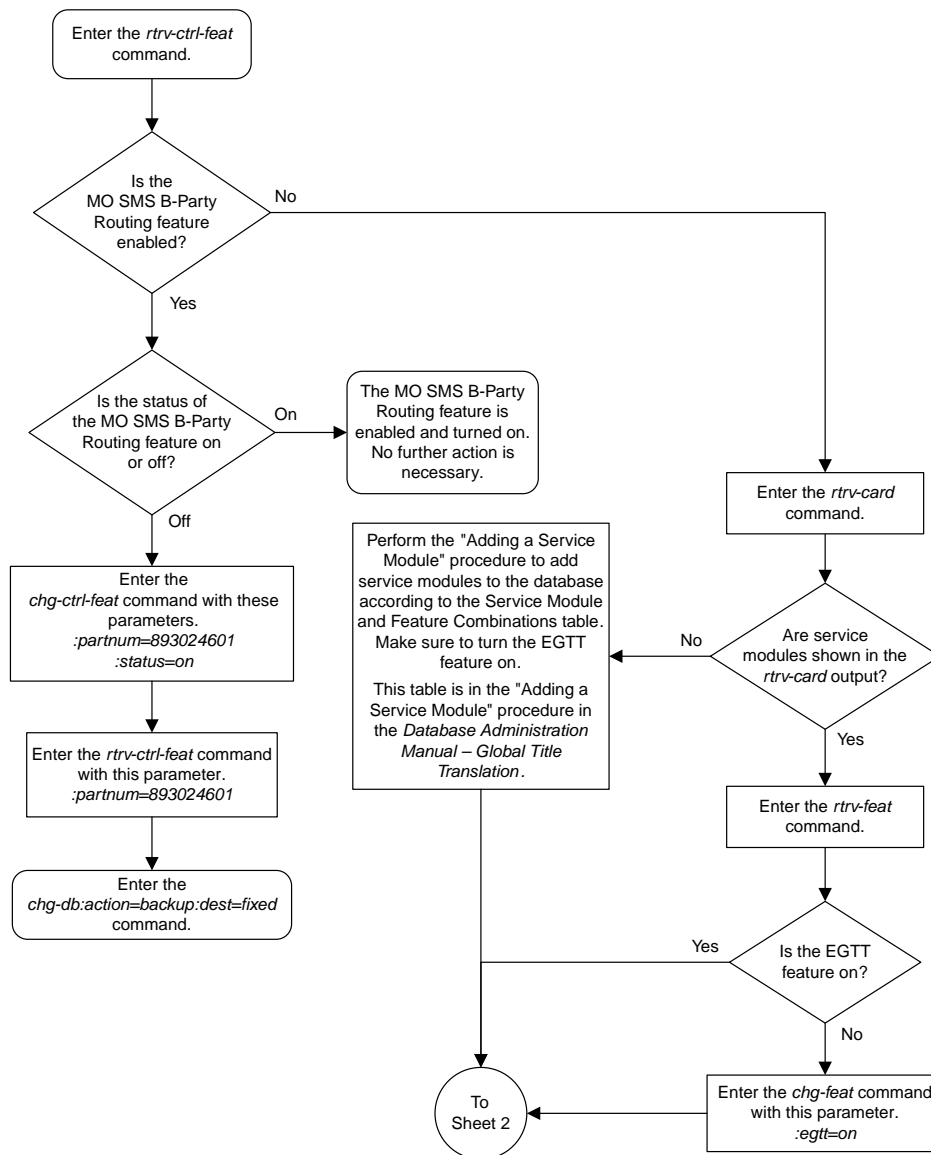
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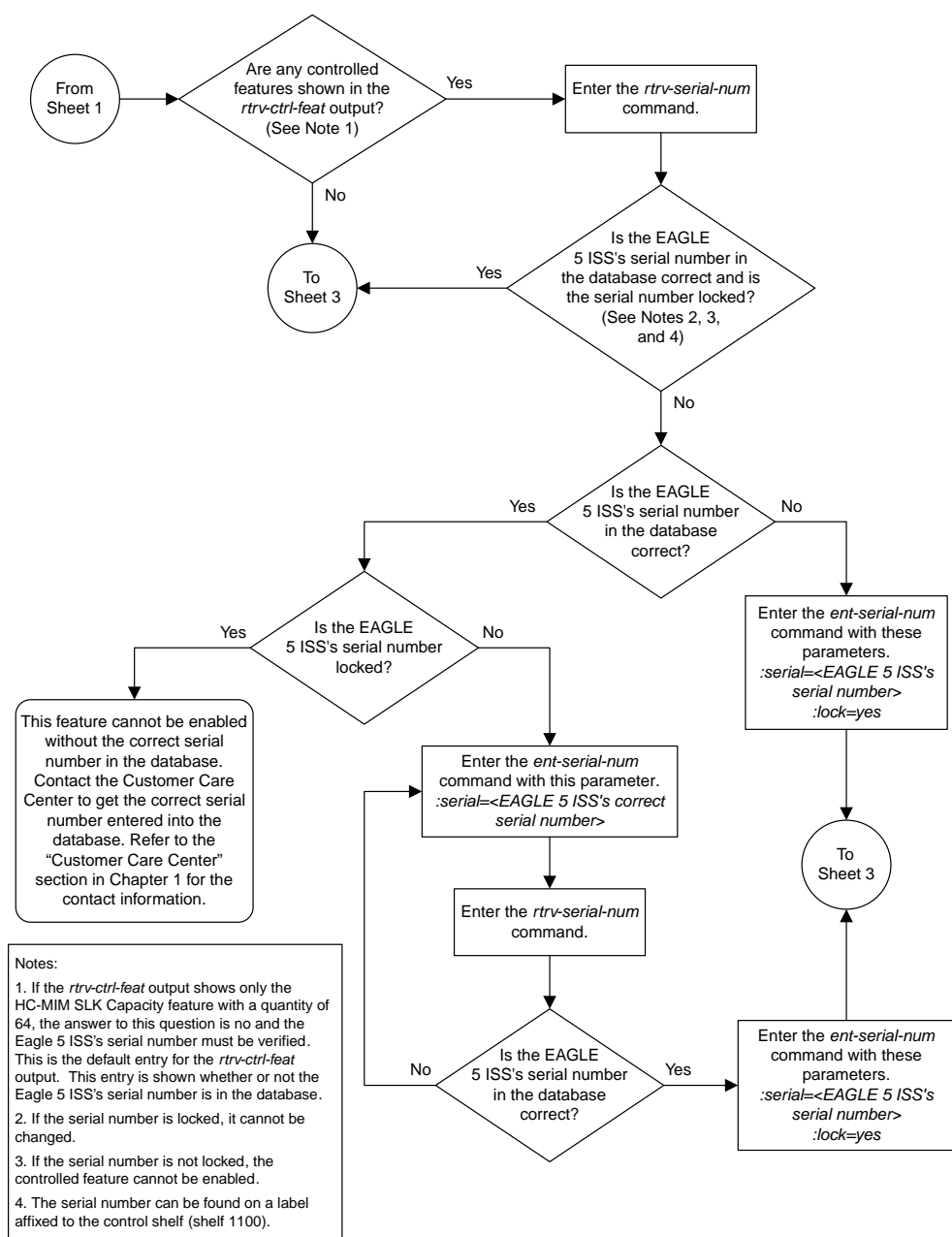
- *Activating the MO SMS B-Party Routing Feature.....618*
- *Configuring the GSM MO SMS B-Party Routing Options.....621*
- *Configuring the IS-41 MO SMS B-Party Routing Options.....622*
- *Adding a Service Selector Entry for the MO SMS B-Party Routing Feature.....623*
- *Removing a Service Selector Entry.....626*
- *Changing the Attributes of a Service Selector Entry for the MO SMS B-Party Routing Feature.....627*
- *Turning the MO SMS B-Party Routing Feature Off.....629*

This chapter contains the flowcharts for the MO SMS B-Party Routing configuration procedures located in the *Database Administration Manual - Global Title Translation*.

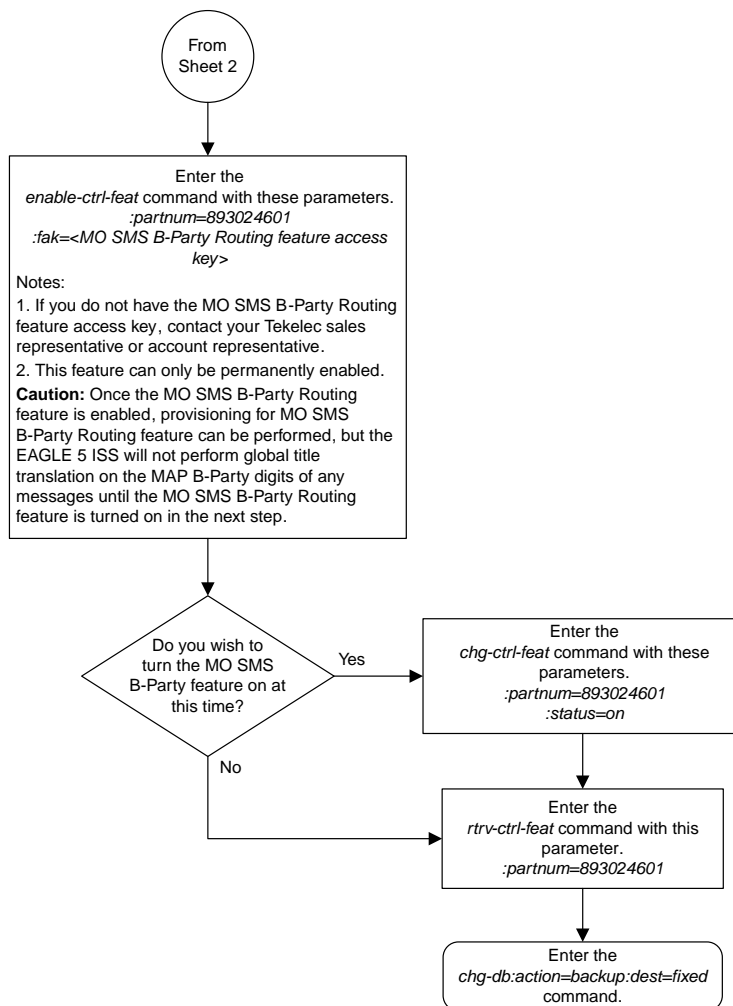
## Activating the MO SMS B-Party Routing Feature



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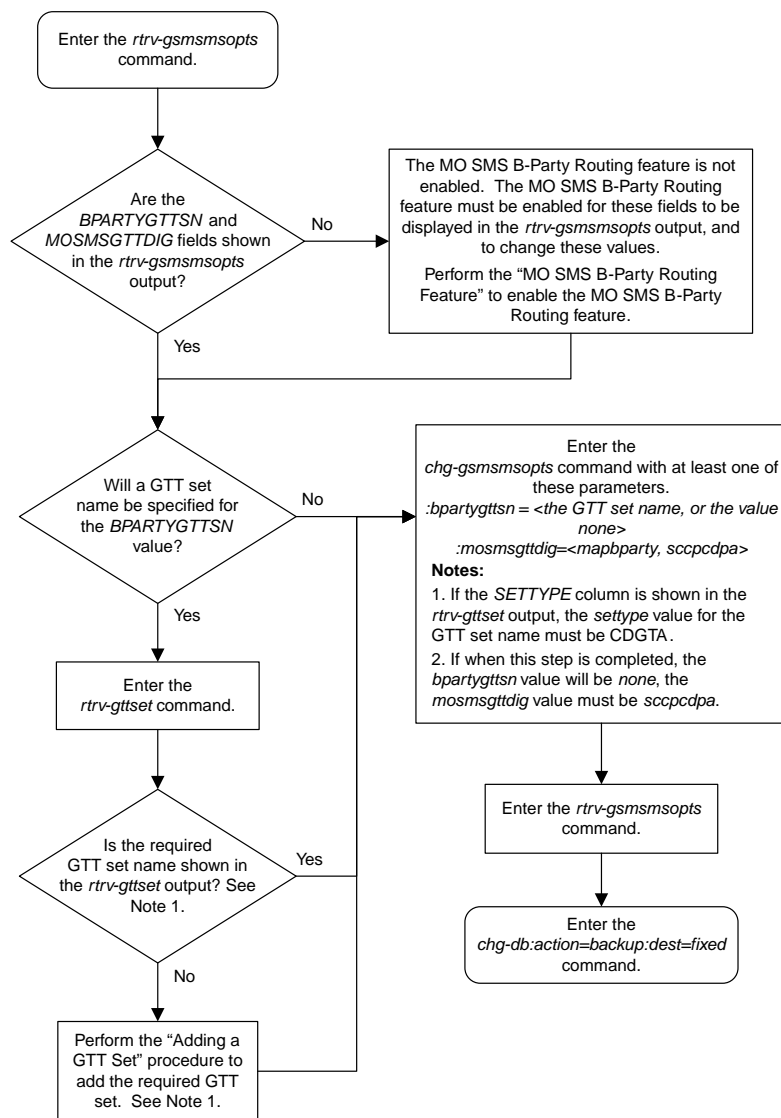


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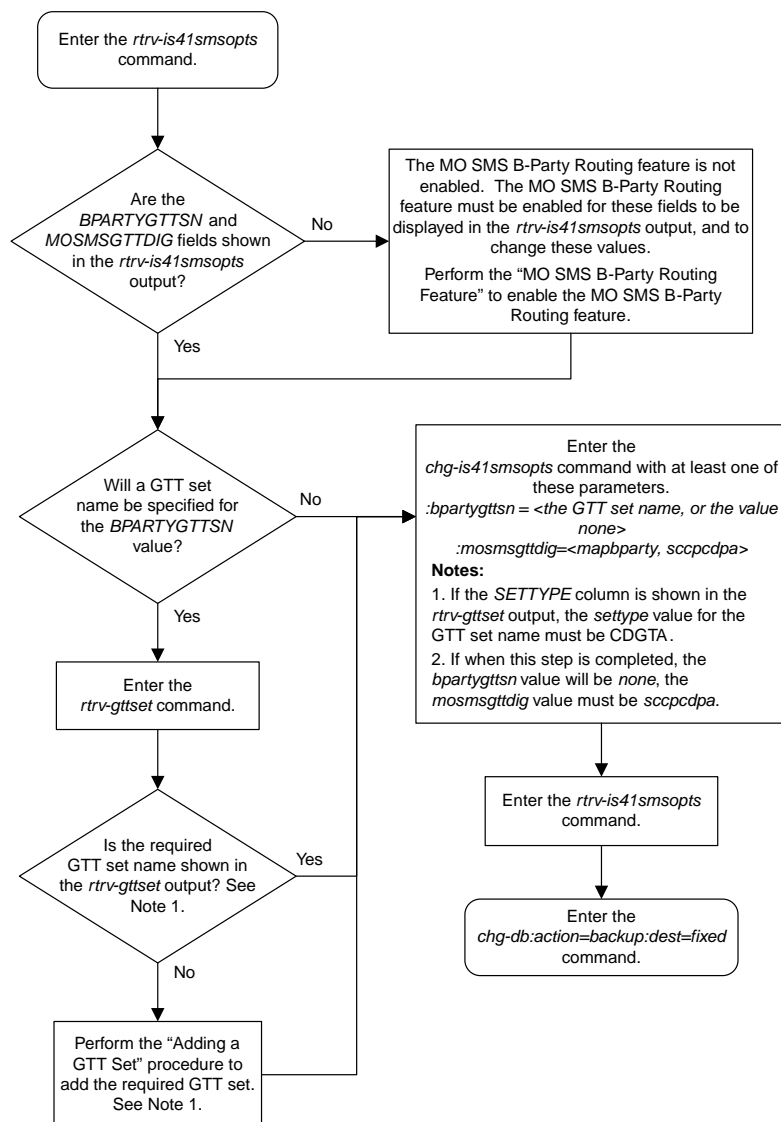


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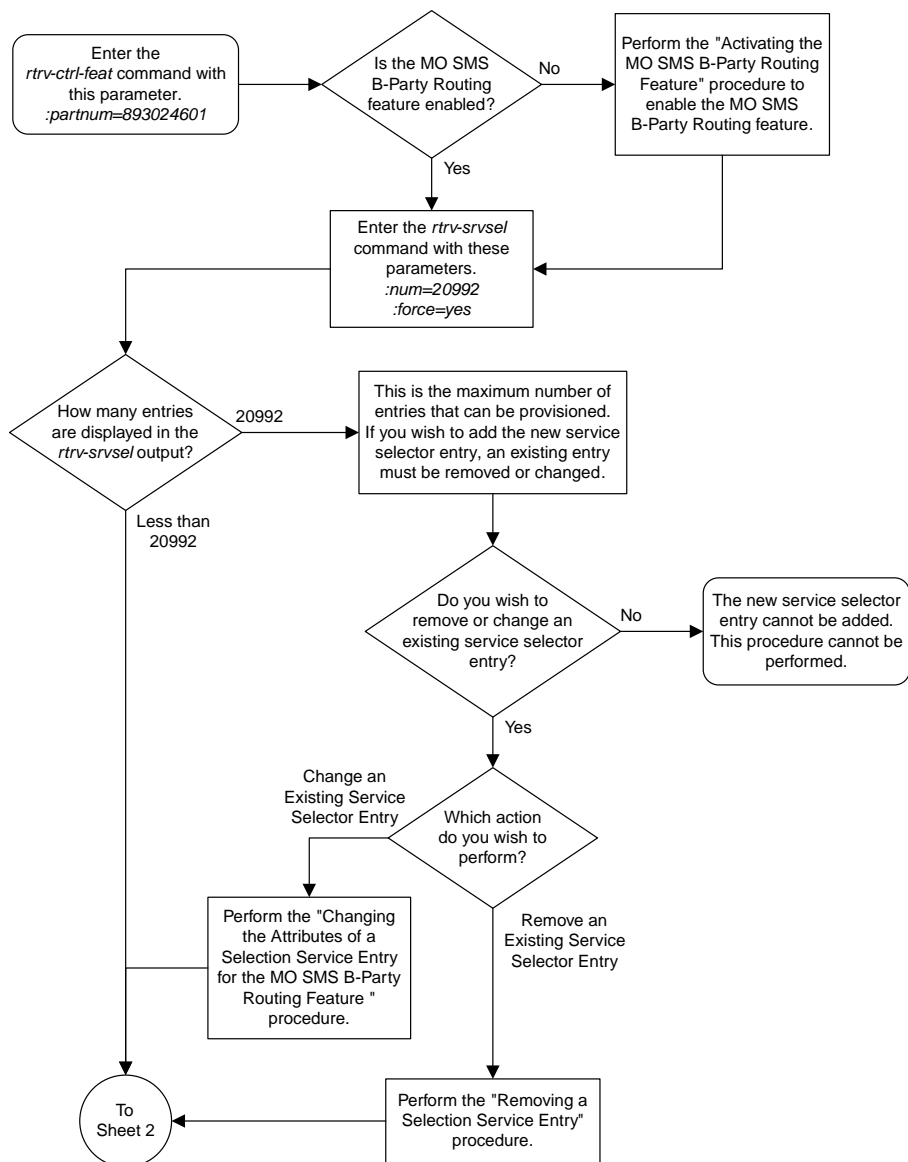
## Configuring the GSM MO SMS B-Party Routing Options



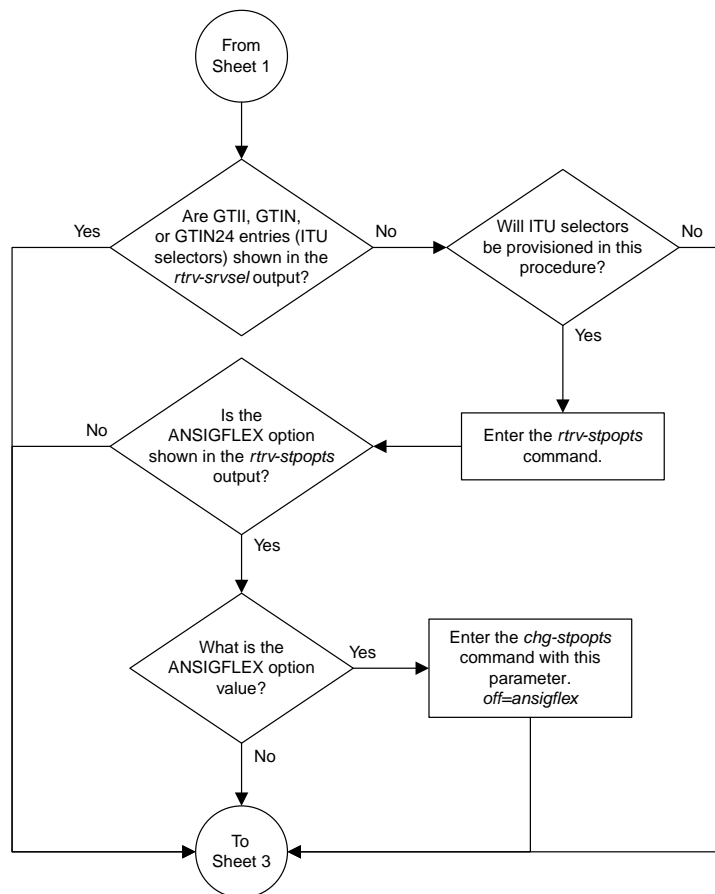
## Configuring the IS-41 MO SMS B-Party Routing Options



## Adding a Service Selector Entry for the MO SMS B-Party Routing Feature

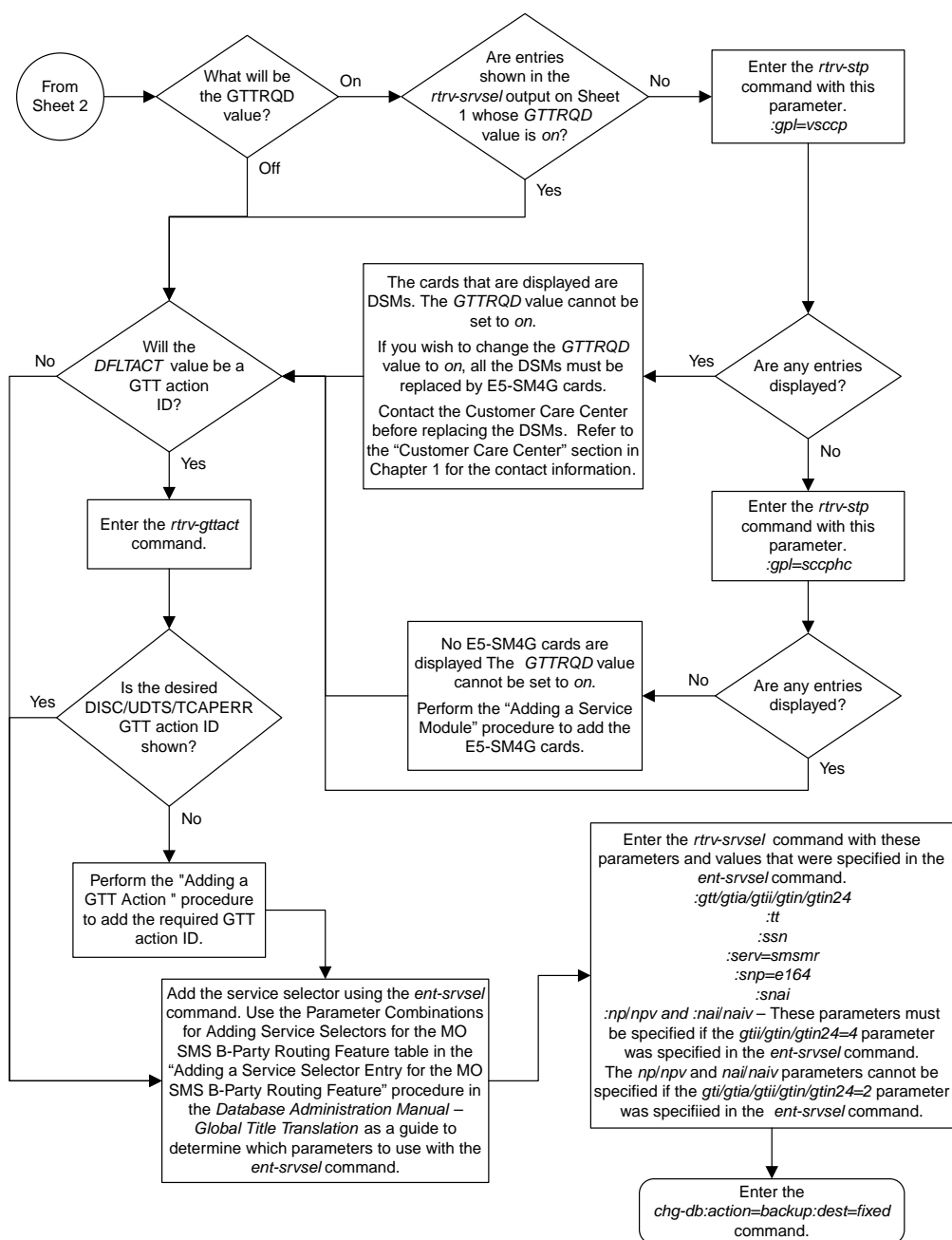


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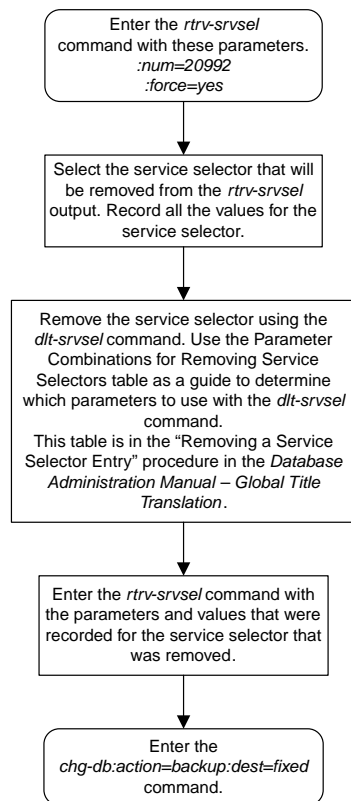
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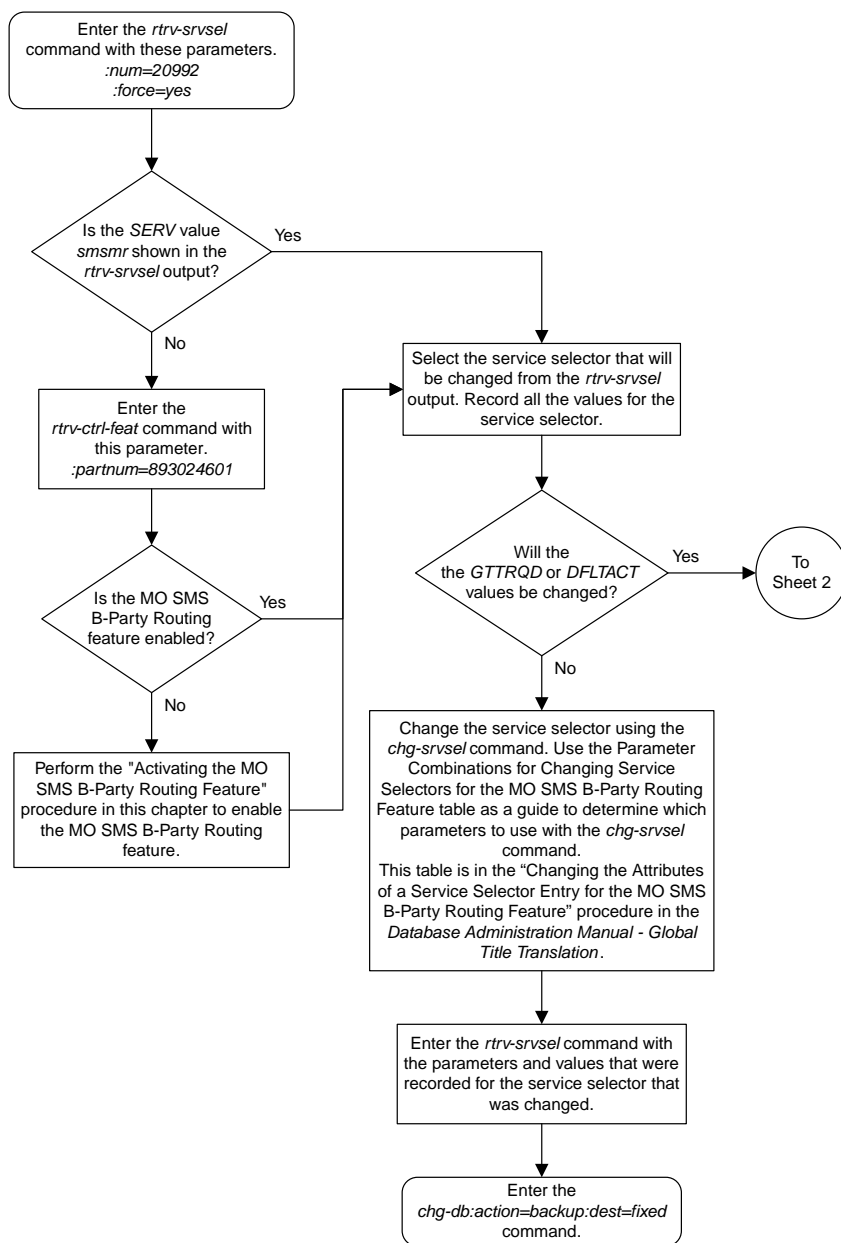


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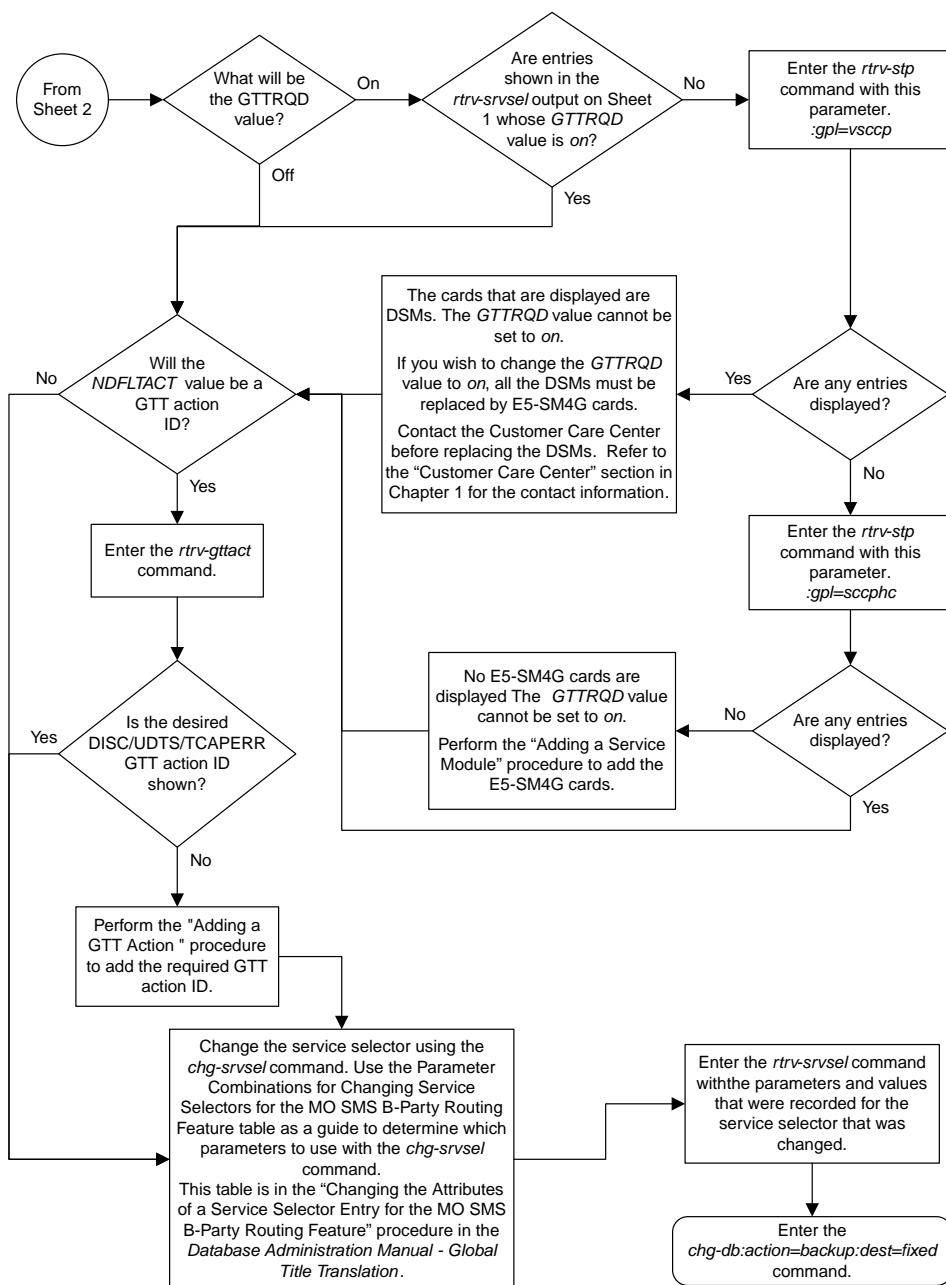
## Removing a Service Selector Entry



## Changing the Attributes of a Service Selector Entry for the MO SMS B-Party Routing Feature

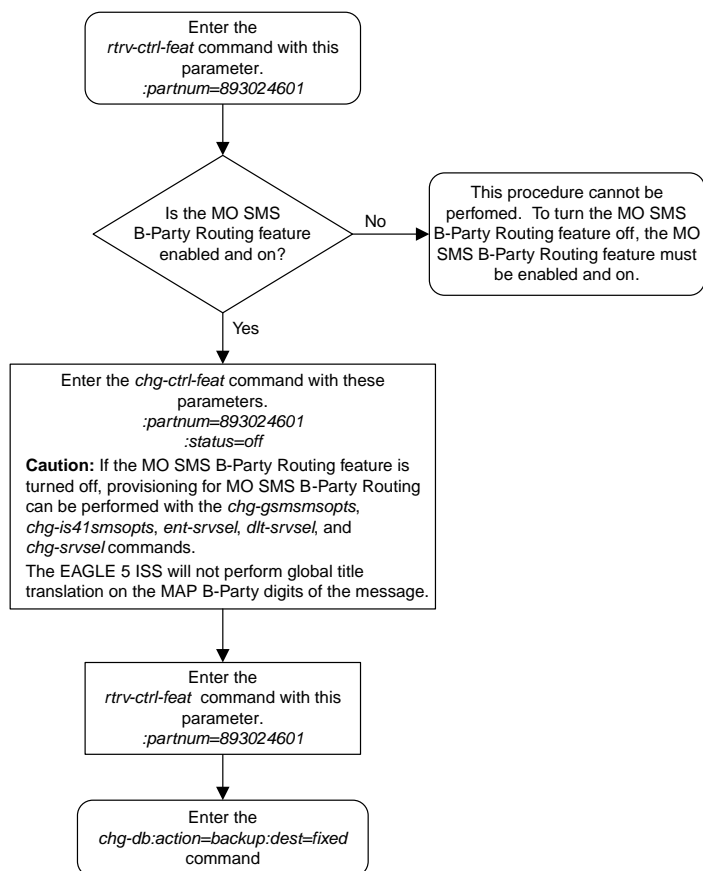


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## Turning the MO SMS B-Party Routing Feature Off



# Chapter 11

## MO SMS Prepaid Intercept on B-Party Configuration Flowcharts

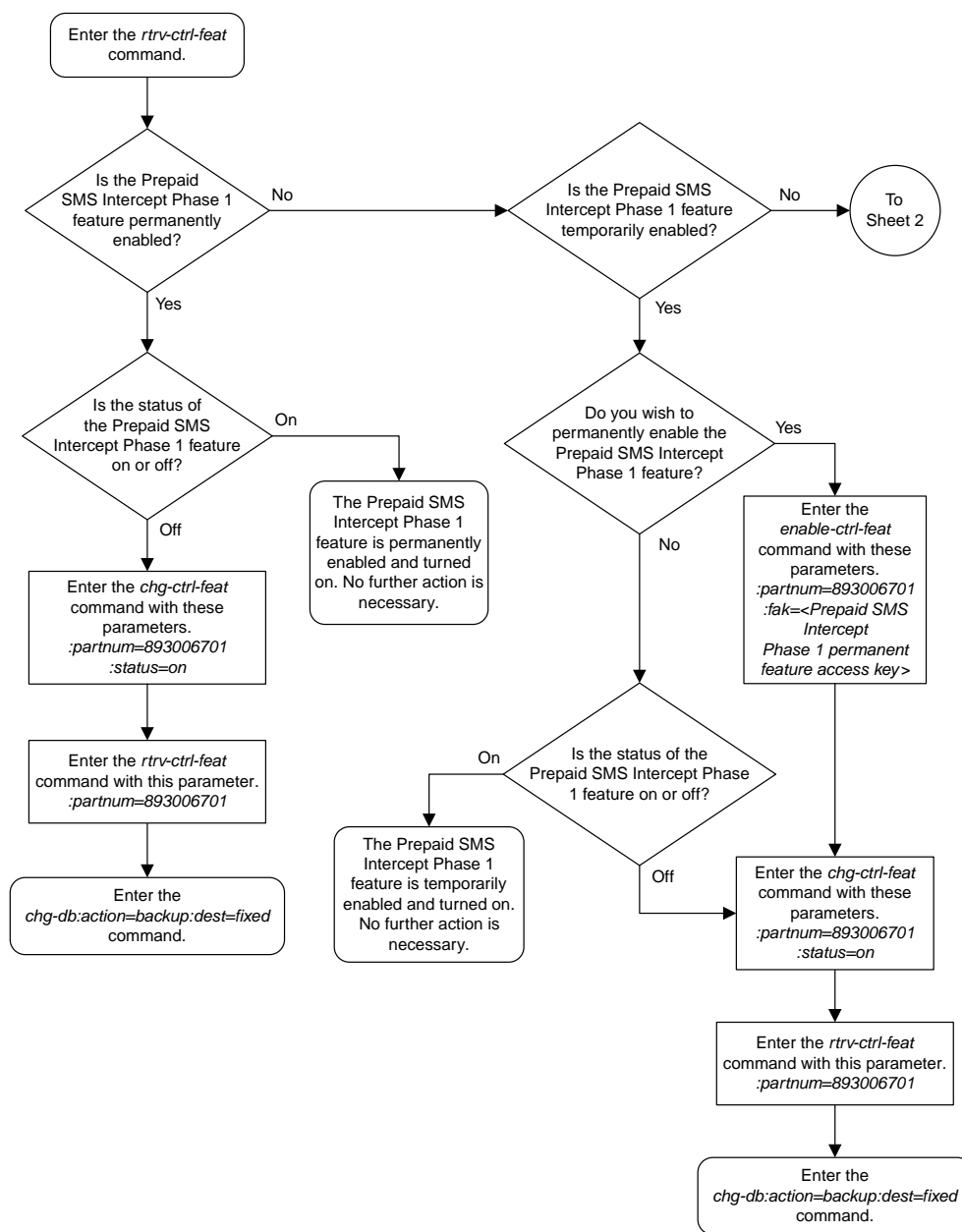
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### Topics:

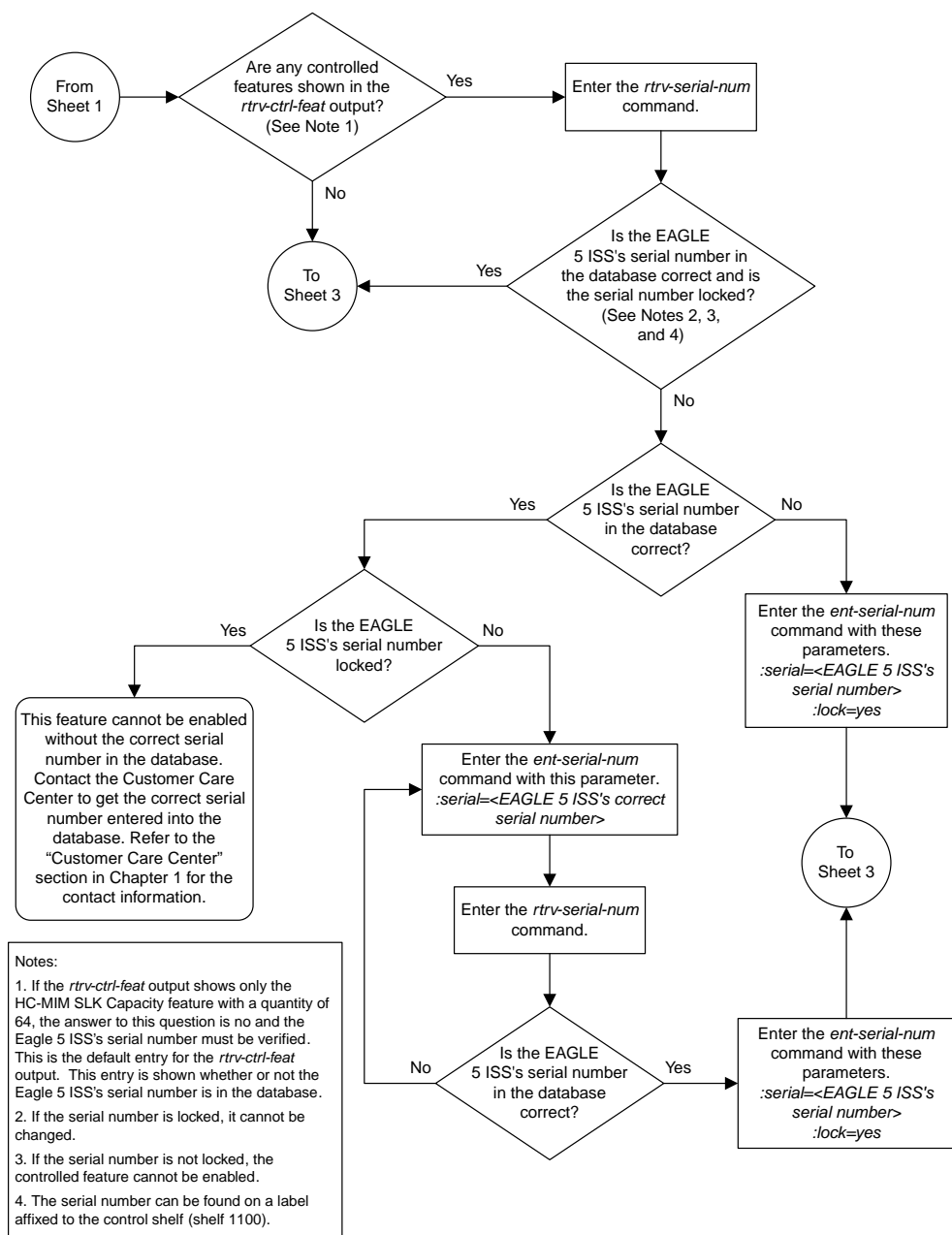
- *Activating the Prepaid SMS Intercept Phase 1 Feature.....631*
- *Configuring the B-Party Check Option for the Prepaid SMS Intercept Phase 1 Feature.....634*
- *Configuring Point Code Entries for the Prepaid SMS Intercept Phase 1 Feature.....635*
- *Configuring GTA Entries for the Prepaid SMS Intercept Phase 1 Feature.....638*
- *Turning the Prepaid SMS Intercept Phase 1 Feature Off.....640*

This chapter contains the flowcharts for the MO SMS Prepaid Intercept on B-Party configuration procedures located in the *Database Administration Manual - Global Title Translation*.

## Activating the Prepaid SMS Intercept Phase 1 Feature

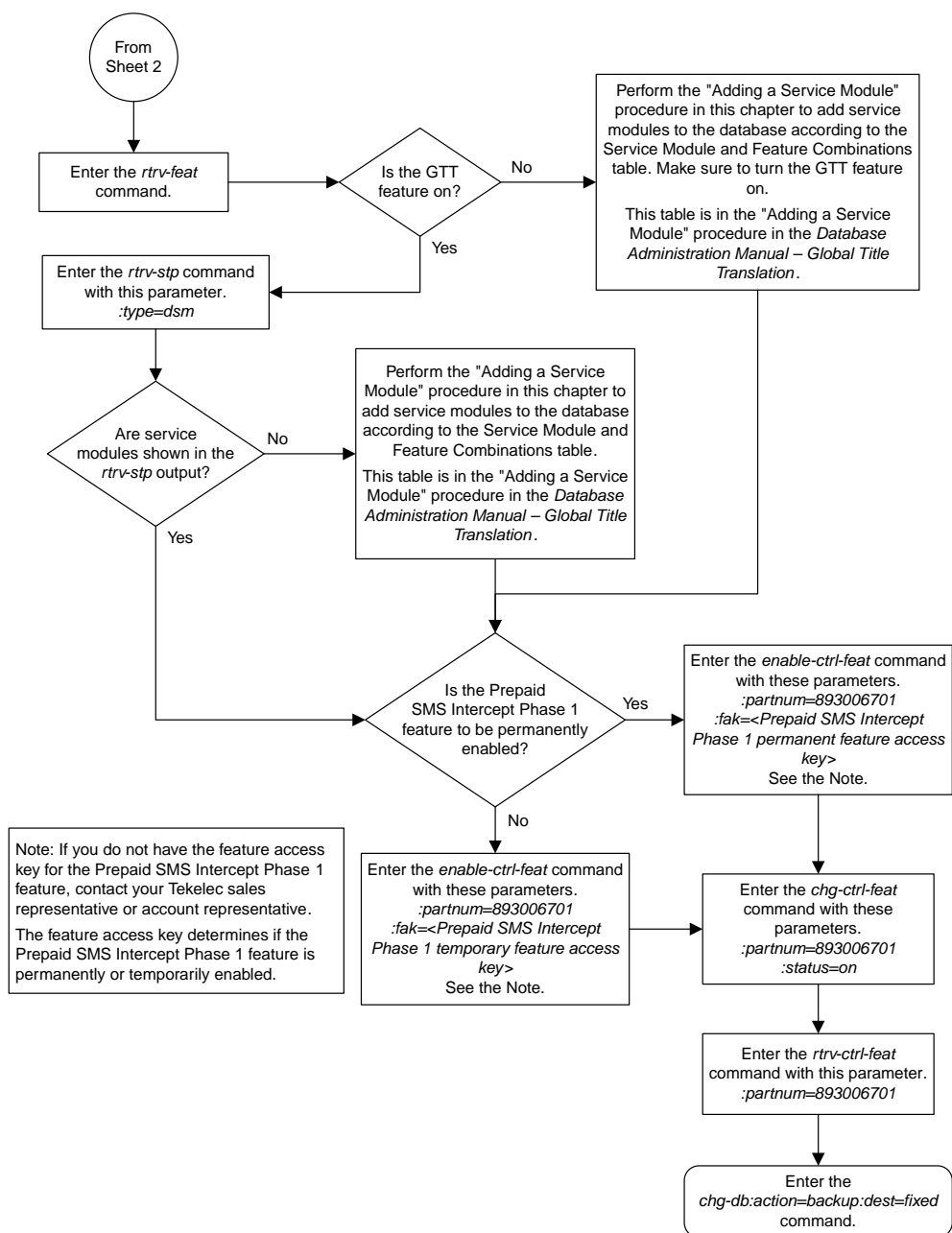


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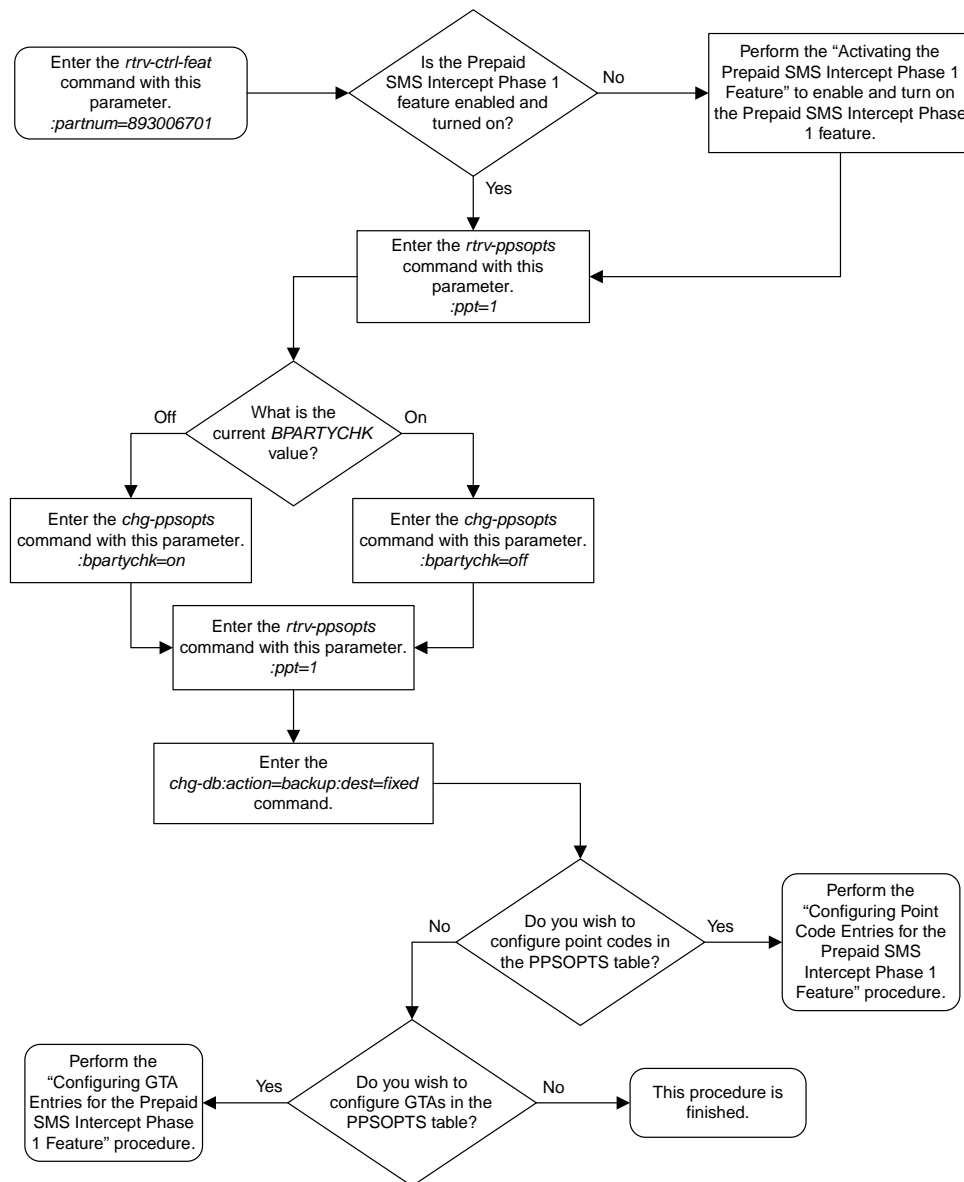
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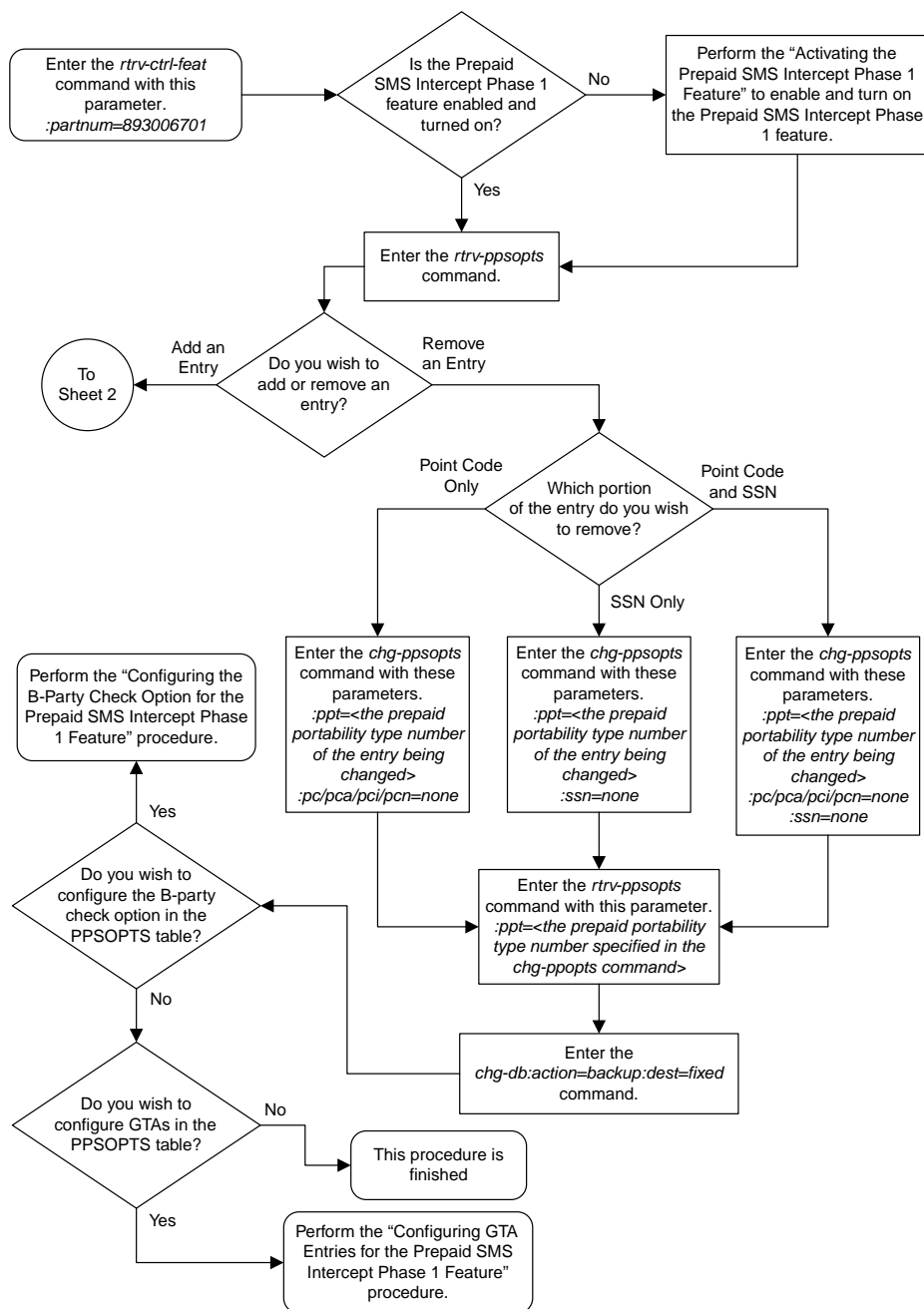


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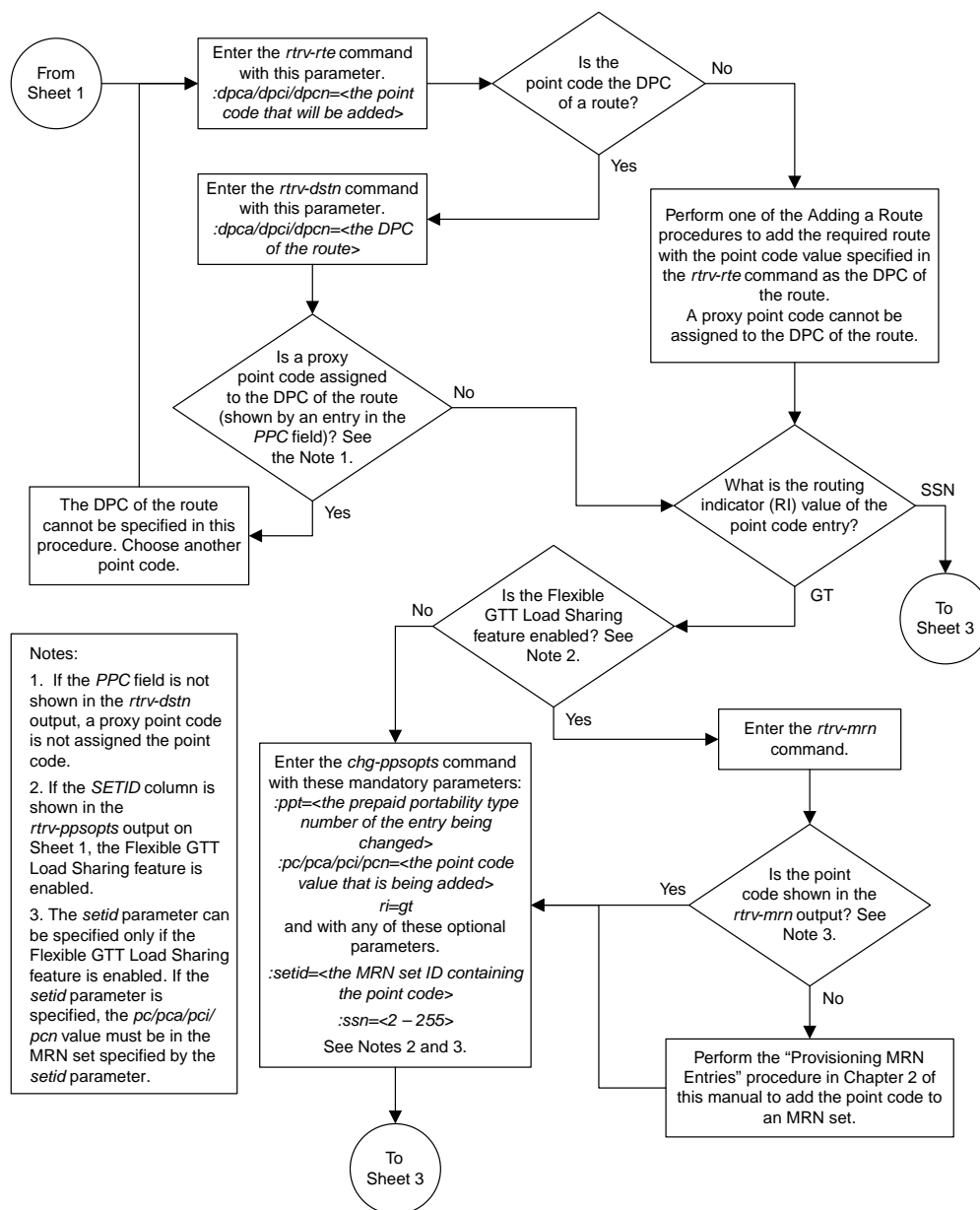
## Configuring the B-Party Check Option for the Prepaid SMS Intercept Phase 1 Feature



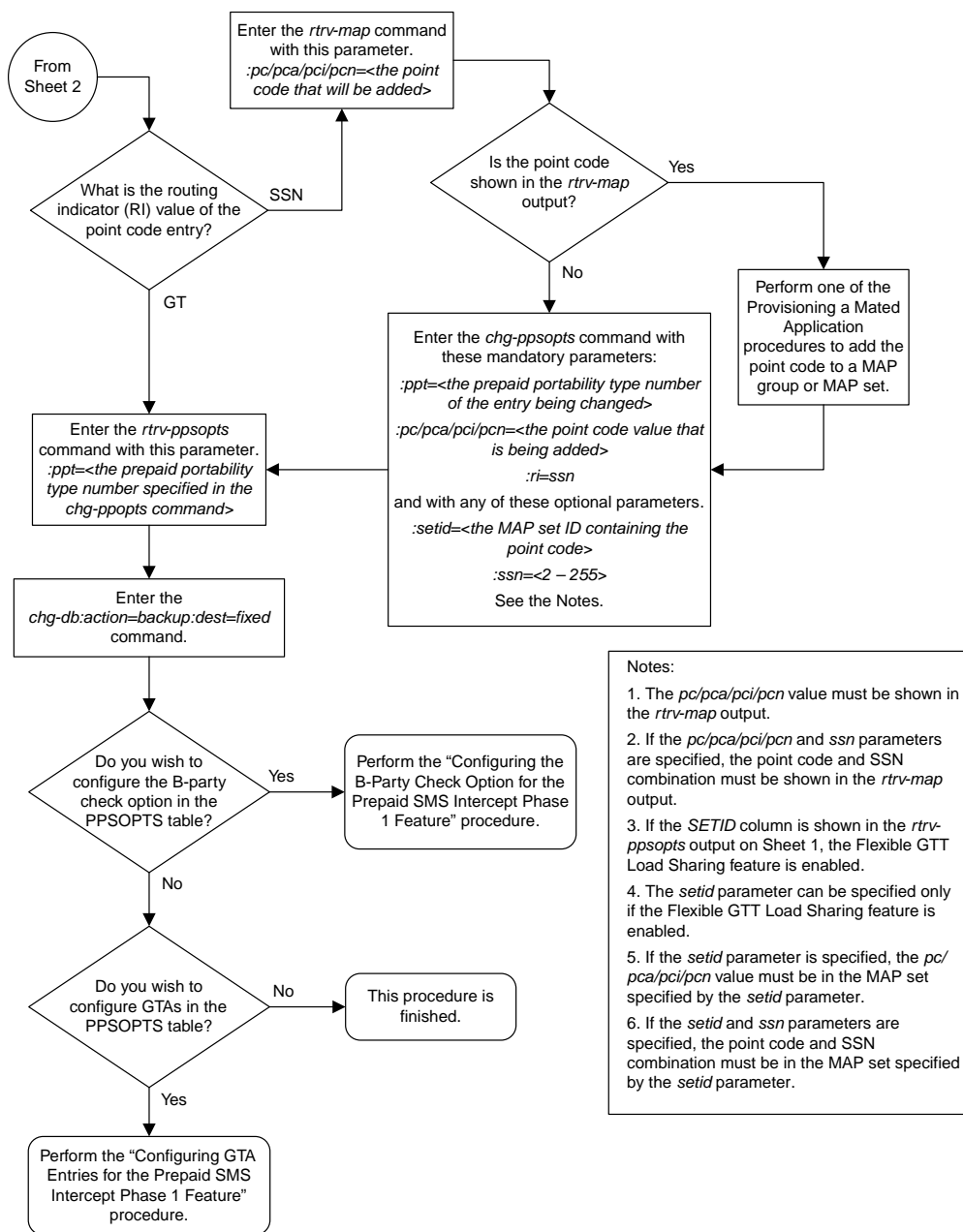
## Configuring Point Code Entries for the Prepaid SMS Intercept Phase 1 Feature



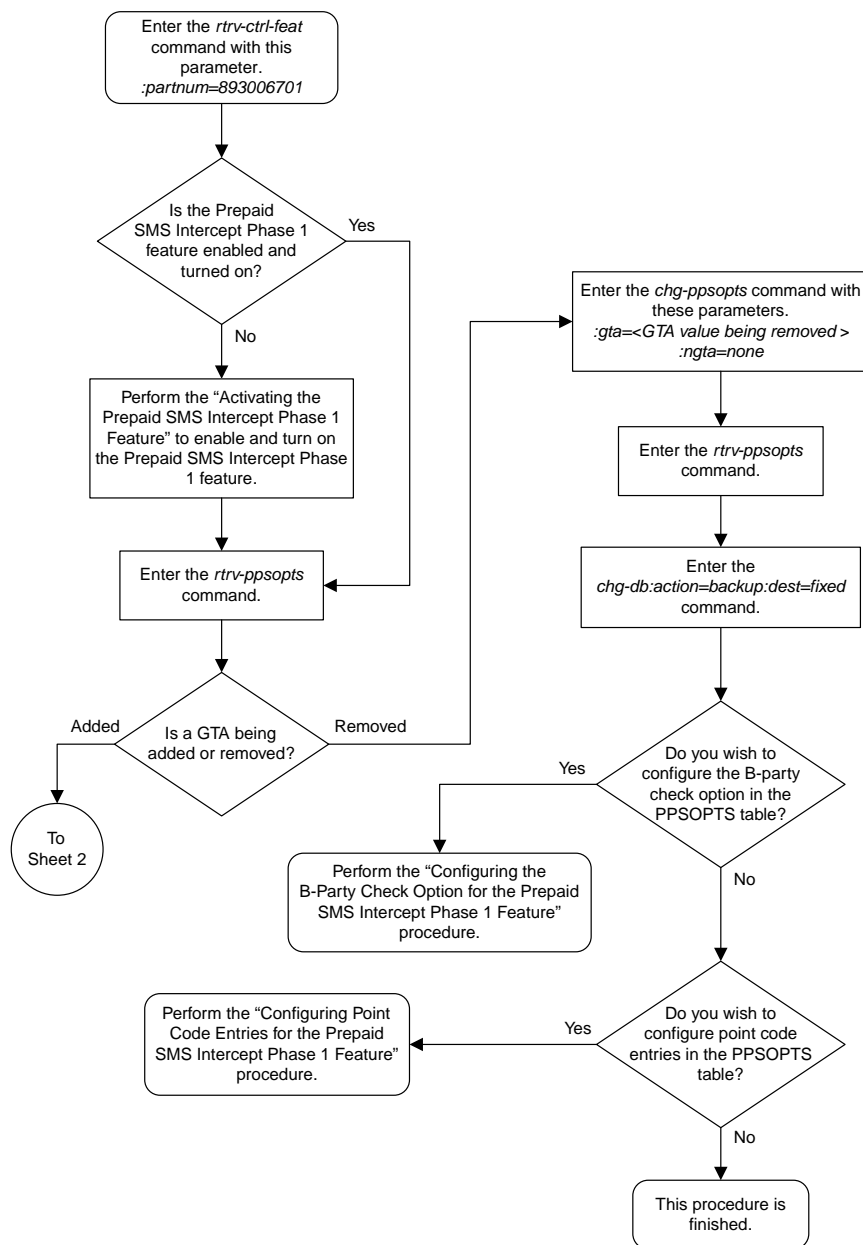
Sheet 1 of 3

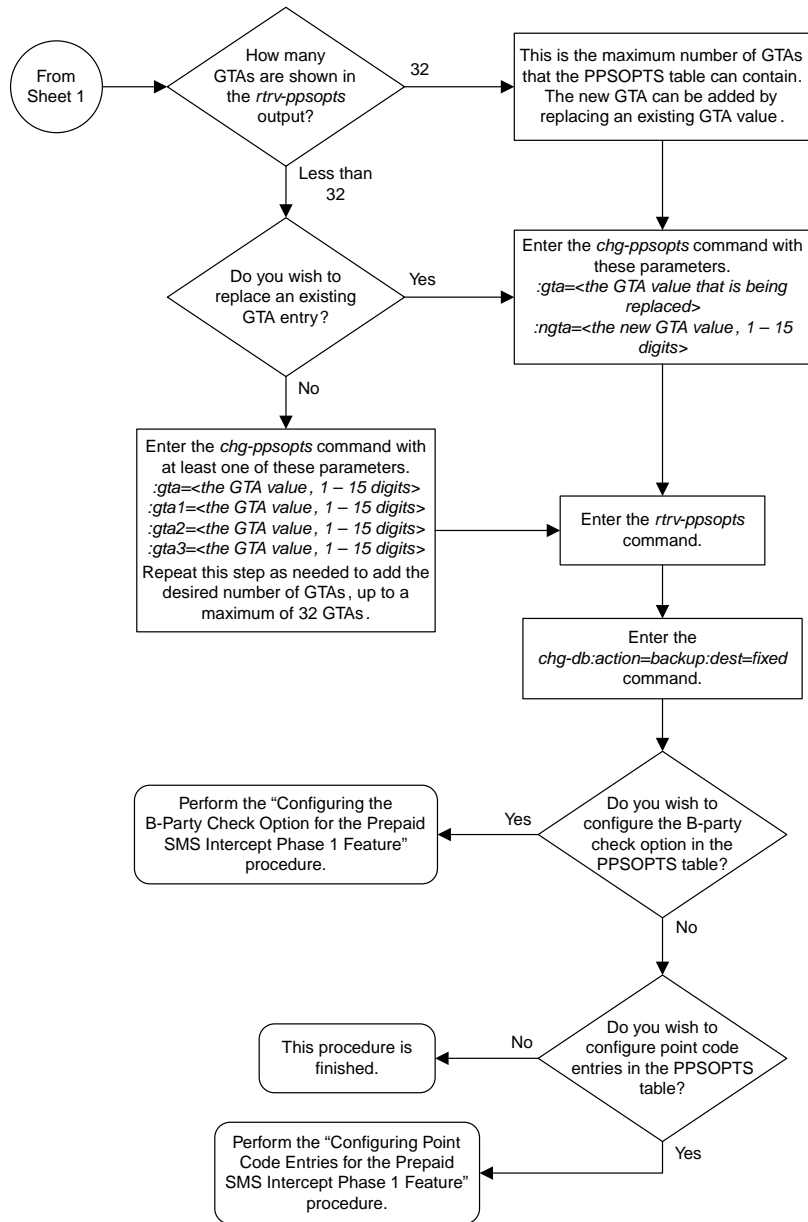


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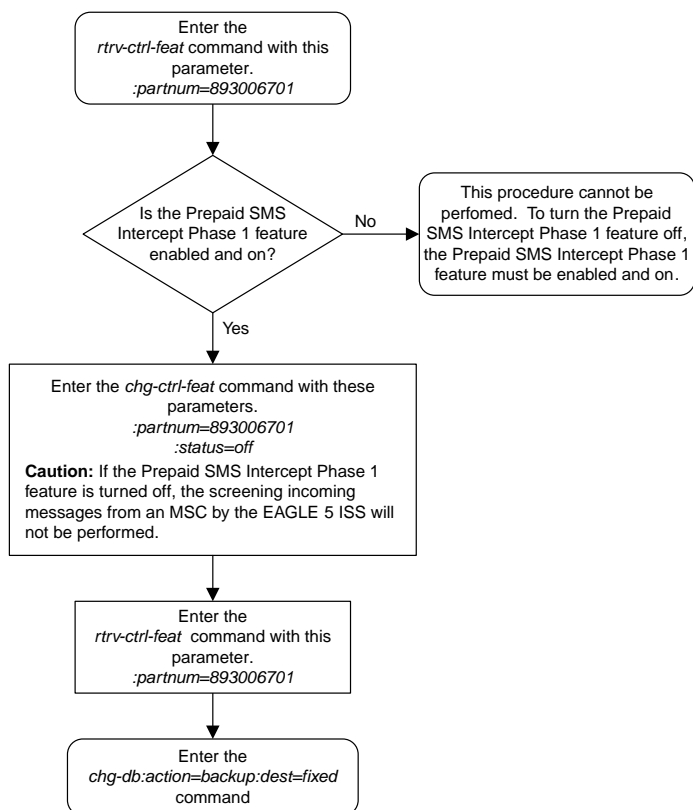


## Configuring GTA Entries for the Prepaid SMS Intercept Phase 1 Feature





## Turning the Prepaid SMS Intercept Phase 1 Feature Off





# Chapter 12

## IETF M2PA Configuration Flowcharts

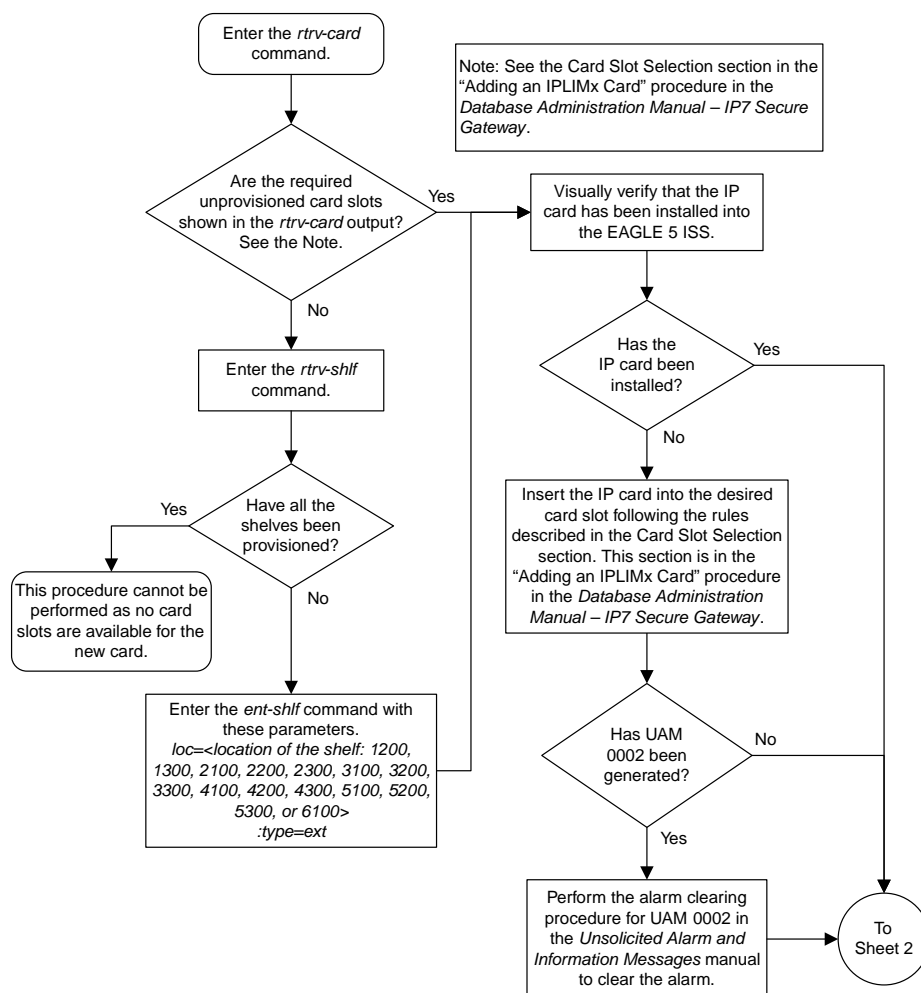
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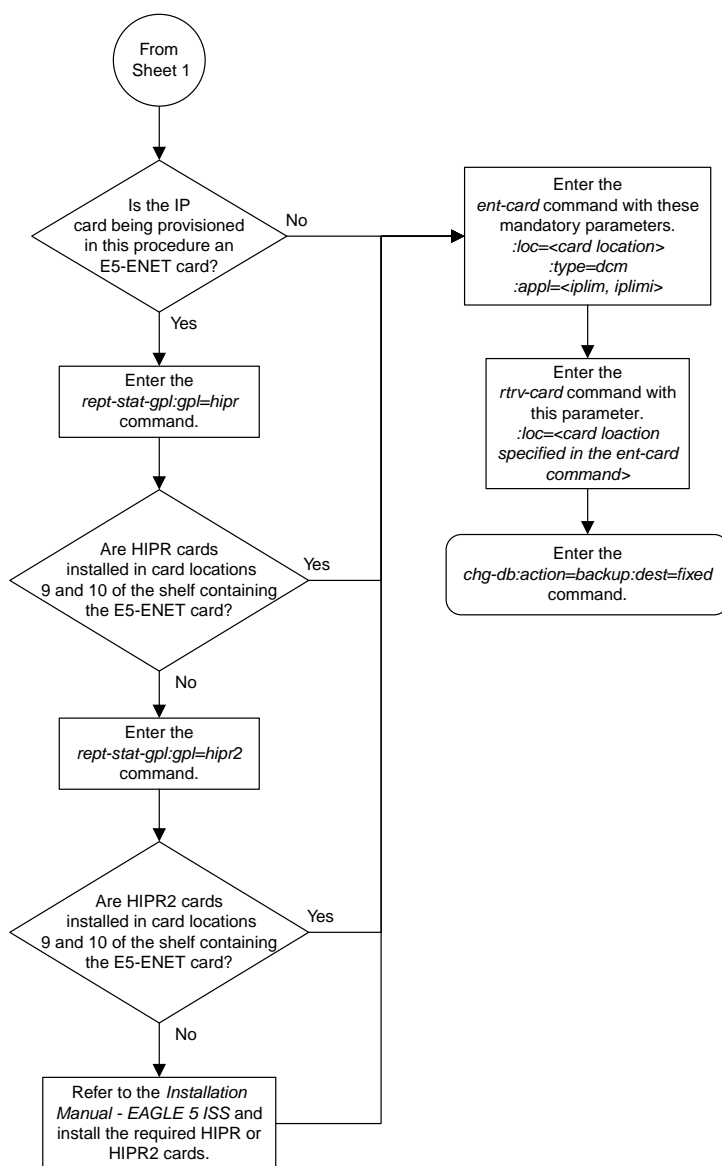
### Topics:

- [Adding an IPLIMx Card.....642](#)
- [Adding an IPLIMx Signaling Link.....644](#)
- [Configuring an IP Link.....649](#)
- [Adding an IP Host.....658](#)
- [Configuring an IP Card.....659](#)
- [Adding an IP Route.....663](#)
- [Adding an M2PA Association.....665](#)
- [Activating the Large MSU Support for IP Signaling Feature.....668](#)
- [Removing an IPLIMx Card.....672](#)
- [Removing an IPLIMx Signaling Link.....673](#)
- [Removing an IP Host Assigned to an IPLIMx Card.....675](#)
- [Removing an IP Route.....676](#)
- [Removing an M2PA Association.....677](#)
- [Changing the Attributes of an M2PA Association.....678](#)
- [Changing the Buffer Size of an M2PA Association.....682](#)
- [Changing the Host Values of an M2PA Association.....686](#)
- [Changing the Link Value of an M2PA Association to another Link Value on the Same IPLIMx Card.....693](#)
- [Configuring SCTP Retransmission Control for an M2PA Association.....697](#)
- [Changing an M2PA Timer Set.....698](#)
- [Changing the SCTP Checksum Algorithm Option for M2PA Associations.....699](#)
- [Turning the Large MSU Support for IP Signaling Feature Off.....702](#)

This chapter contains the flowcharts for the IETF M2PA configuration procedures located in the *Database Administration Manual - IP7 Secure Gateway*.

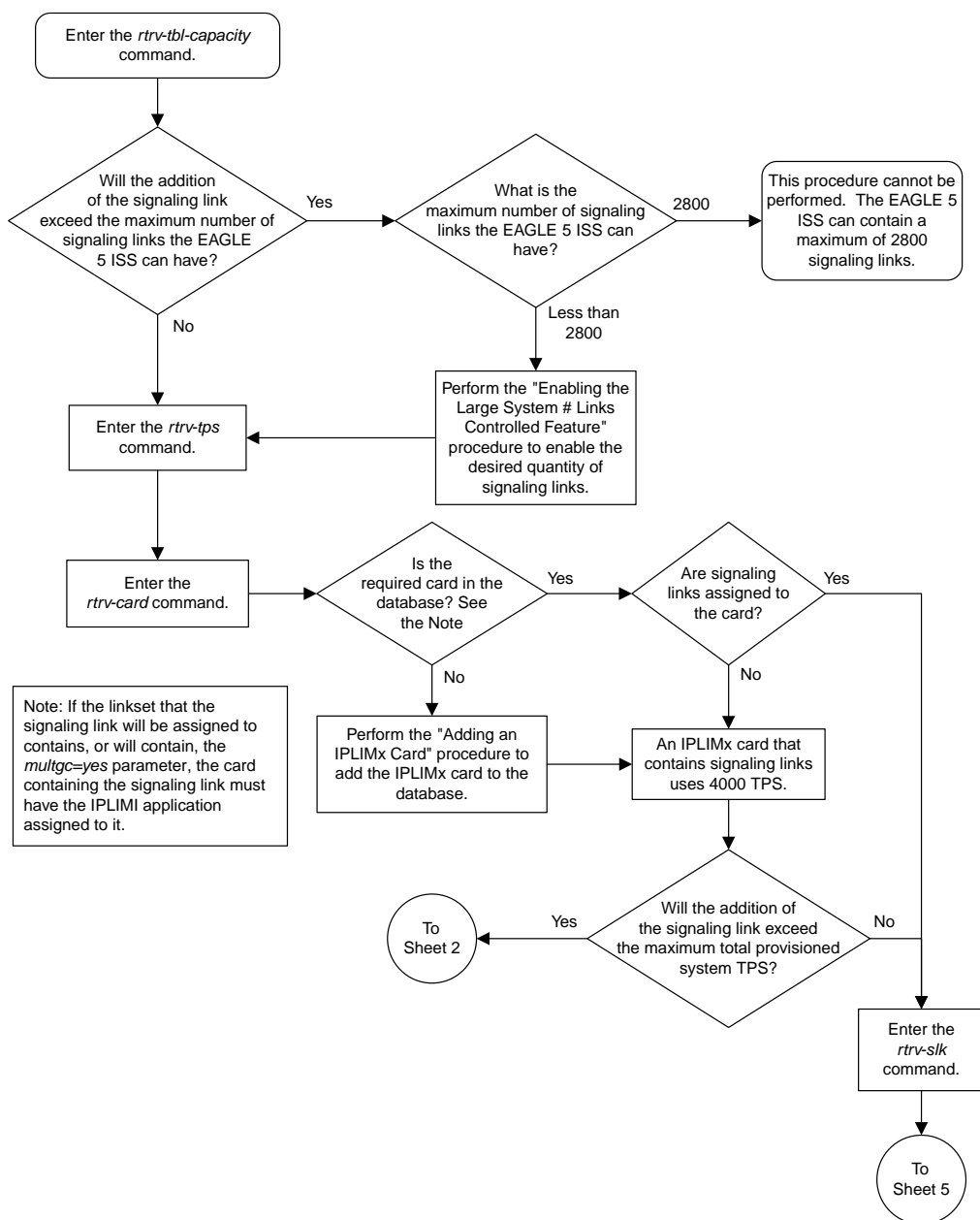
## Adding an IPLIMx Card



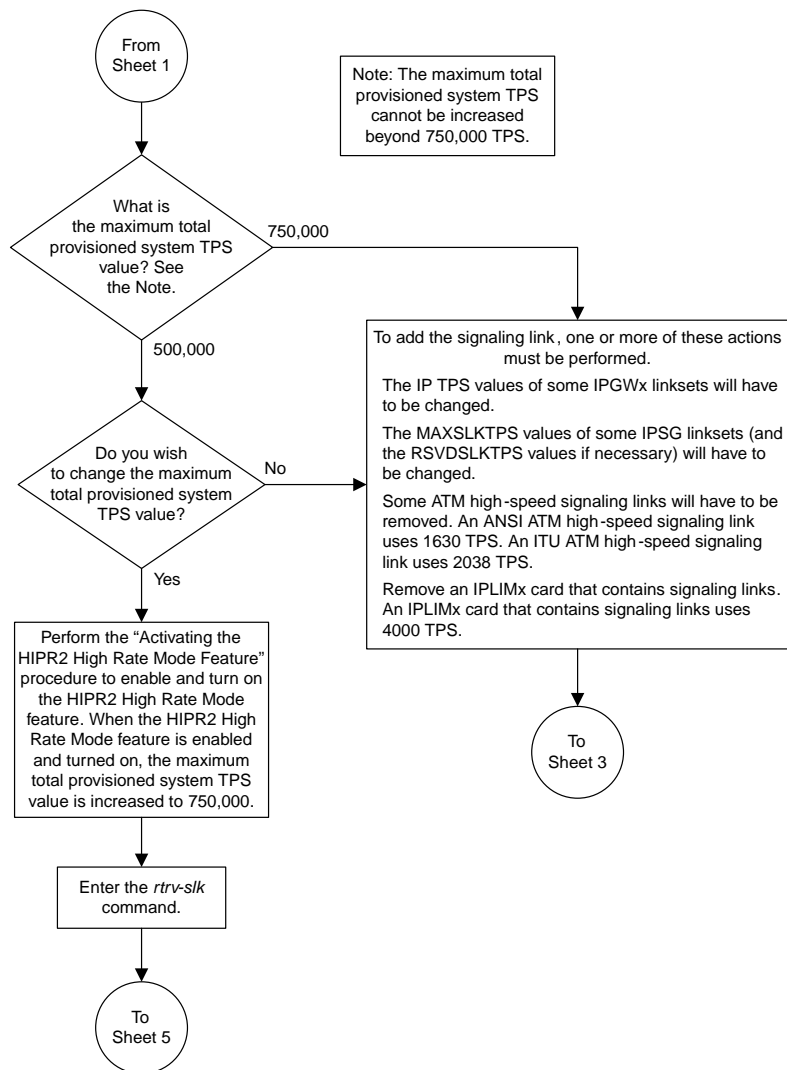


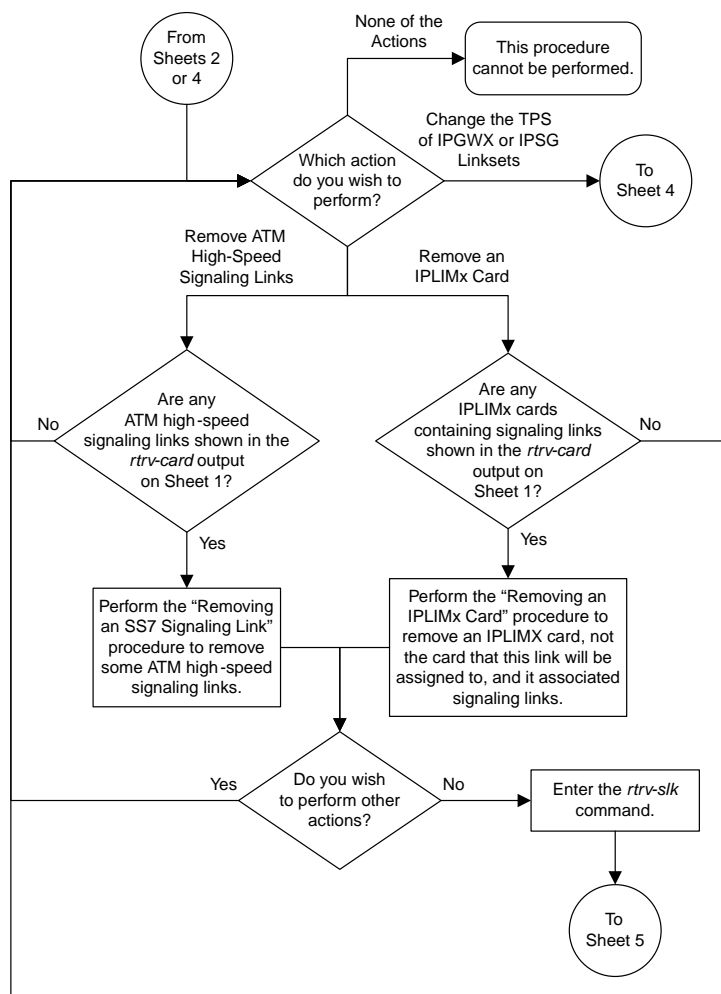
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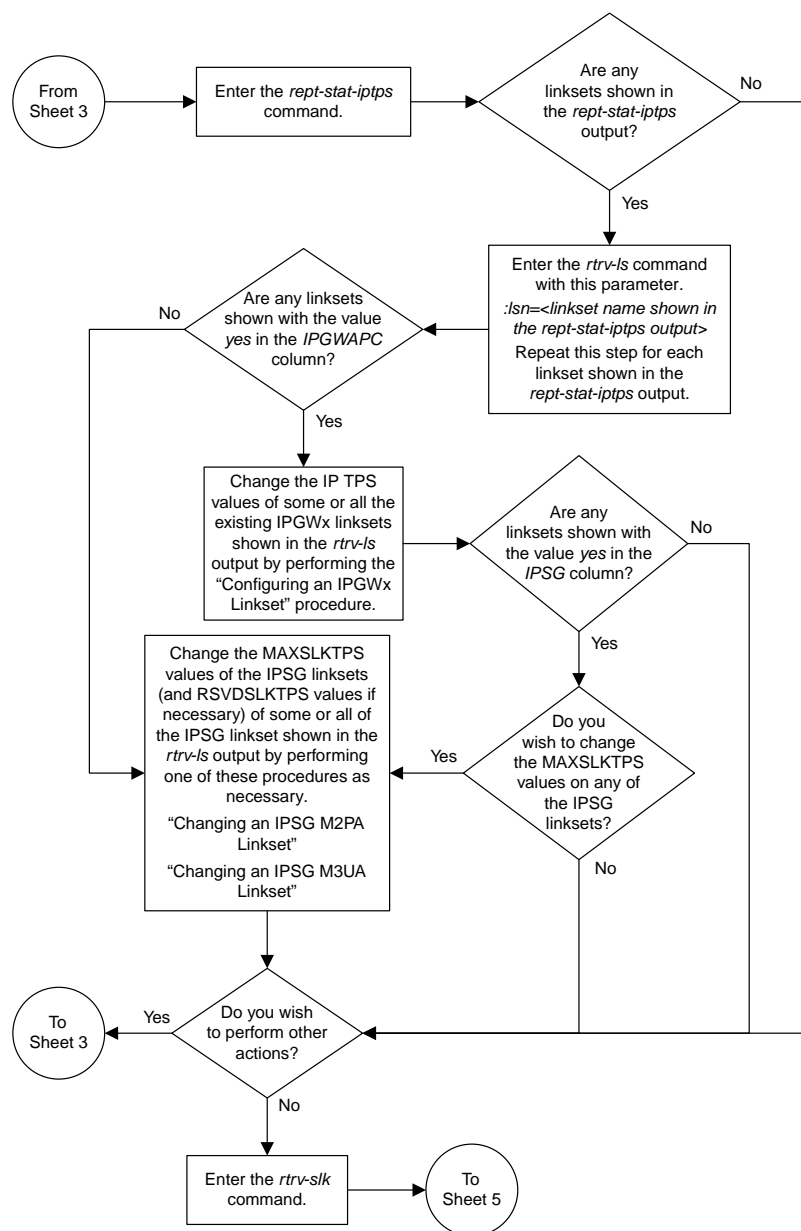
## Adding an IPLIMx Signaling Link



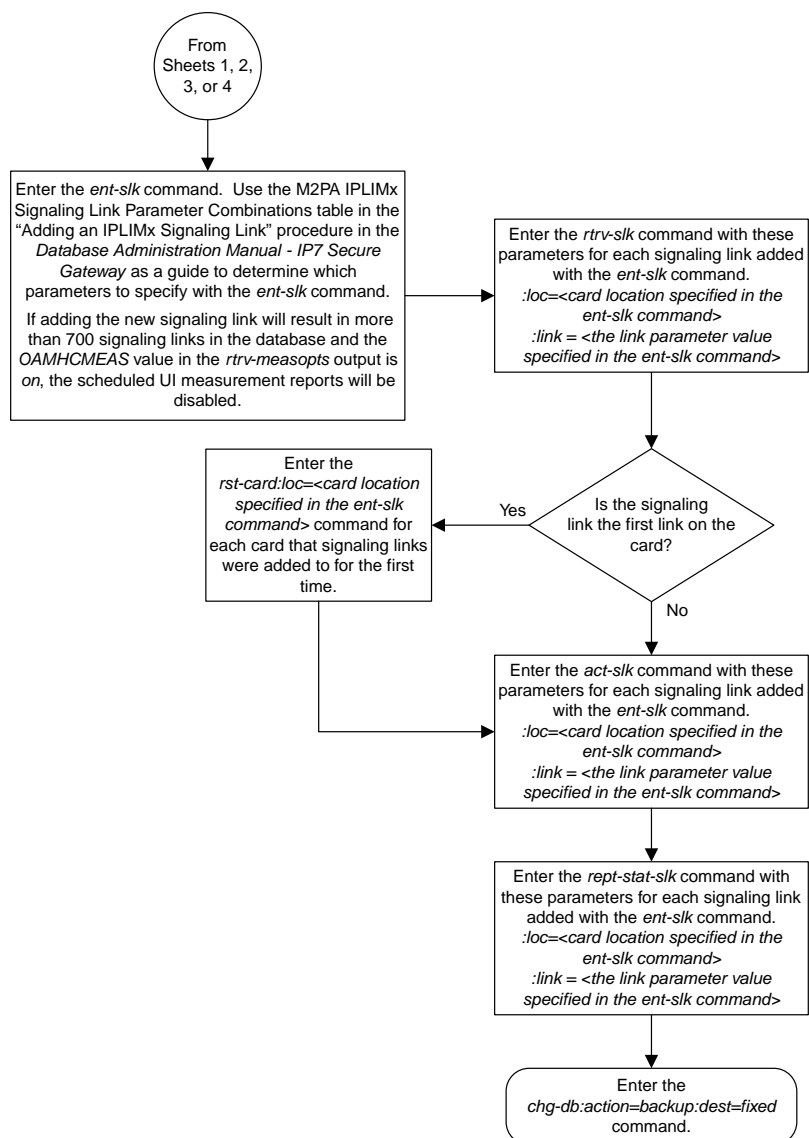
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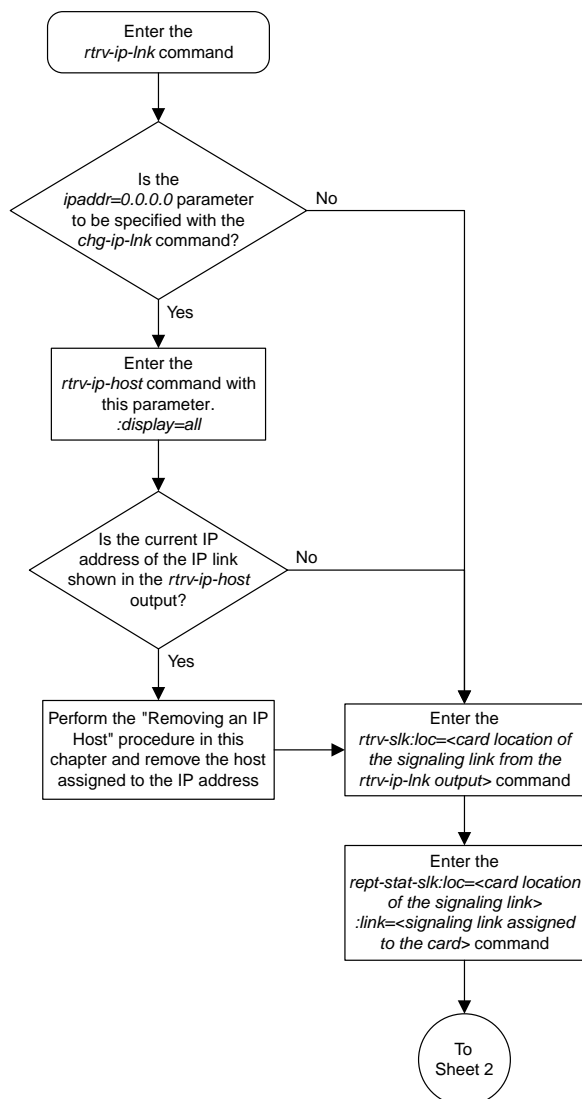


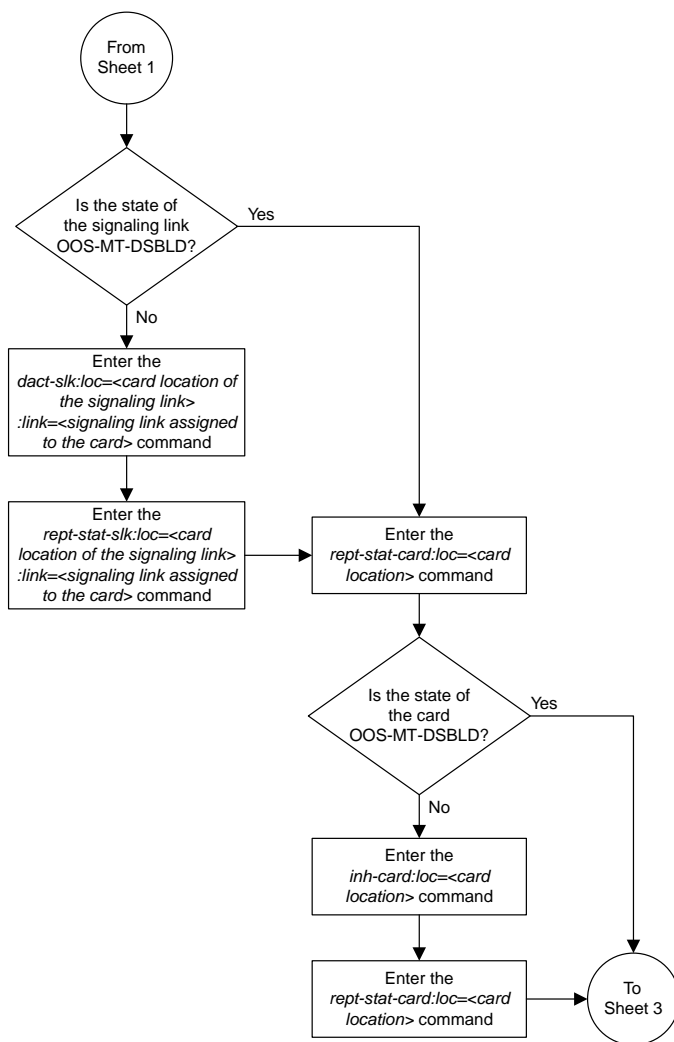
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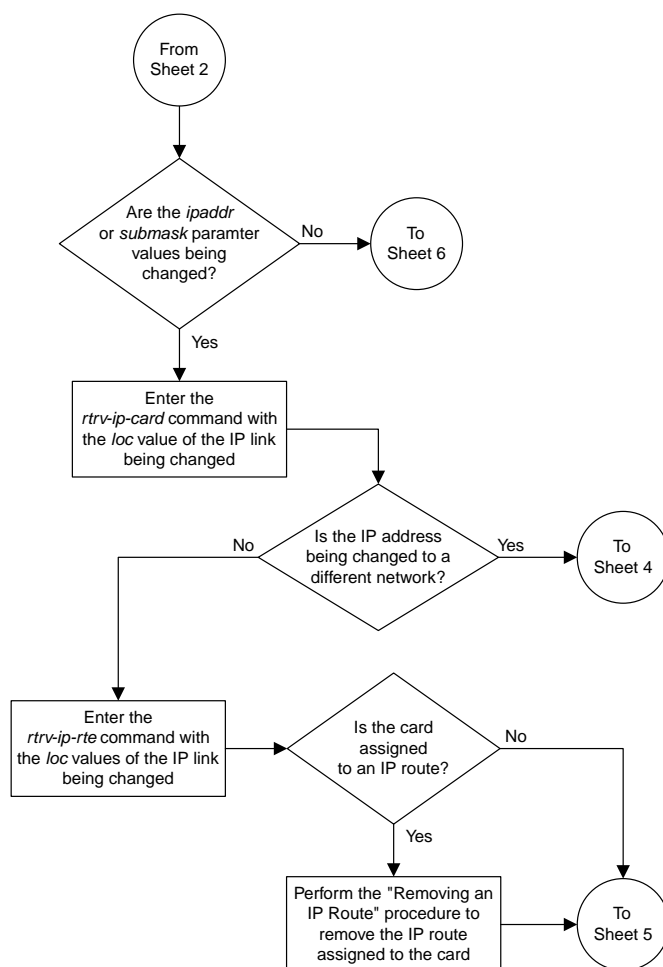


## Configuring an IP Link

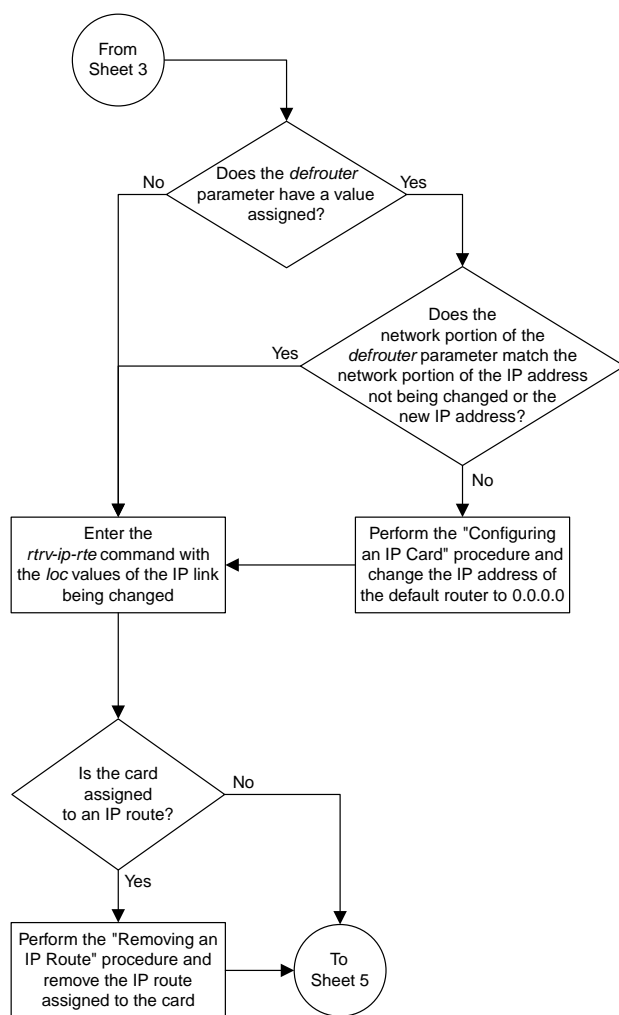




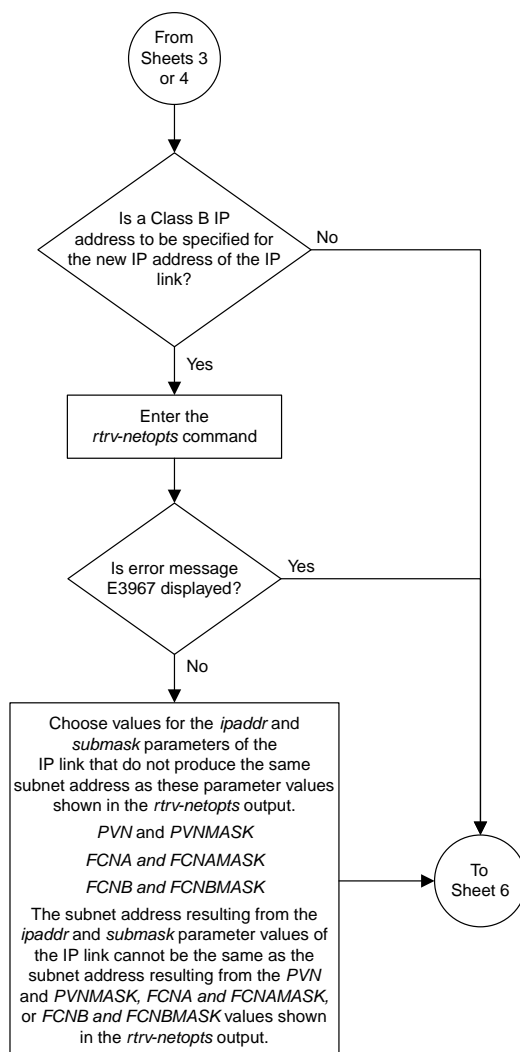
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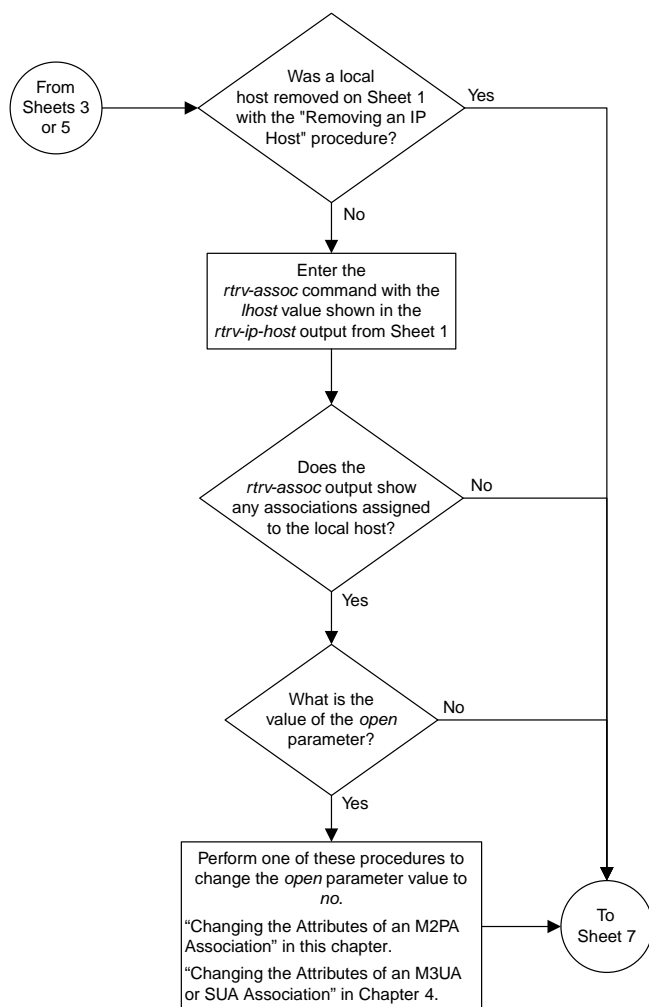


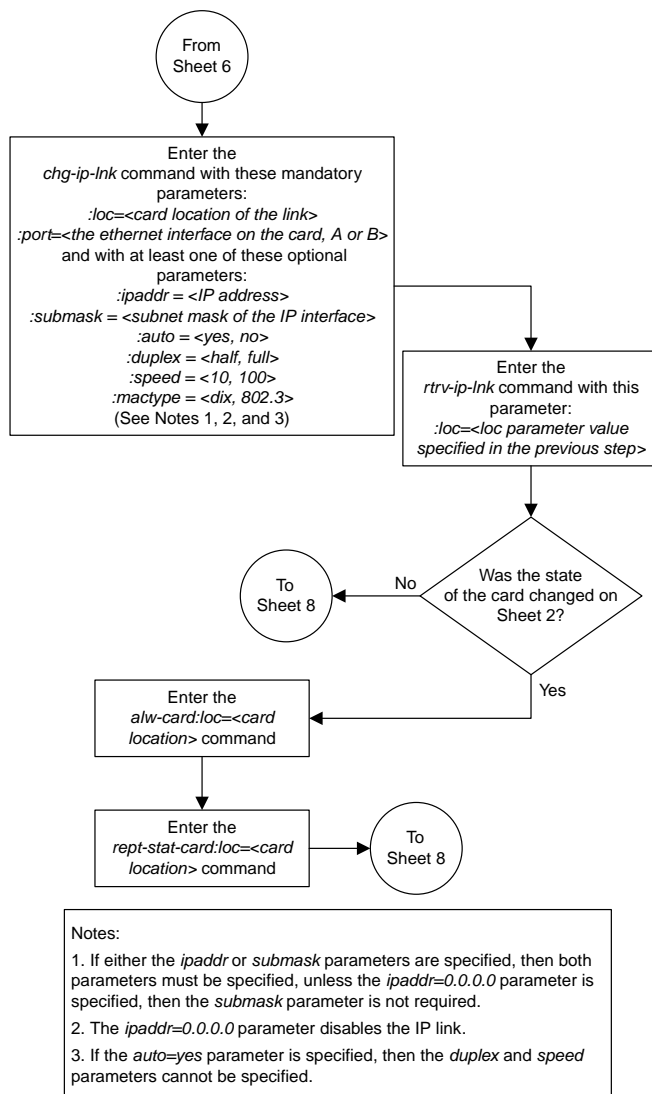
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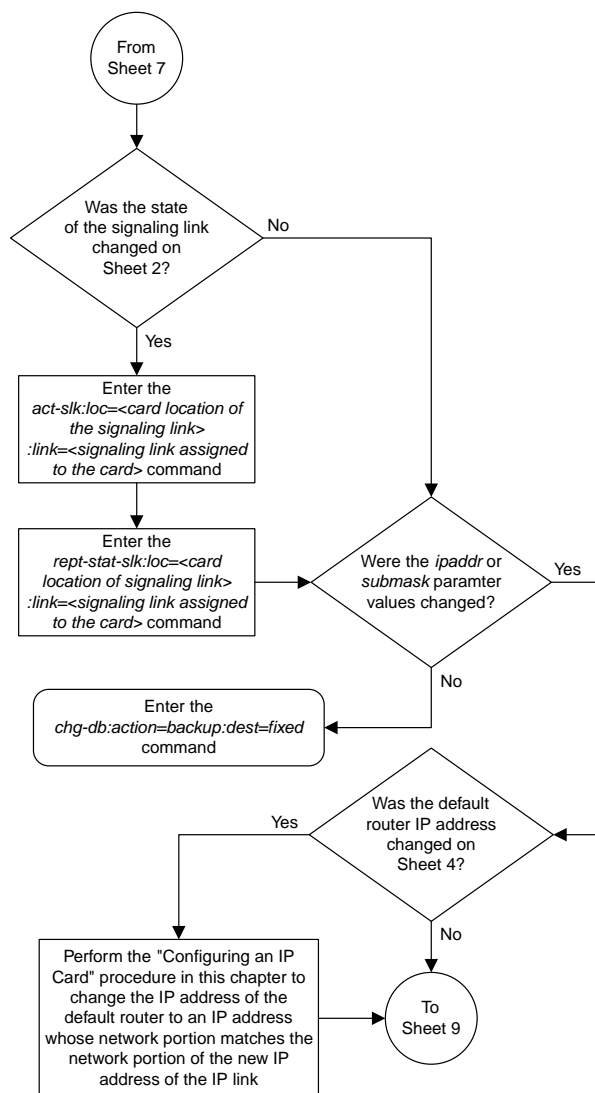


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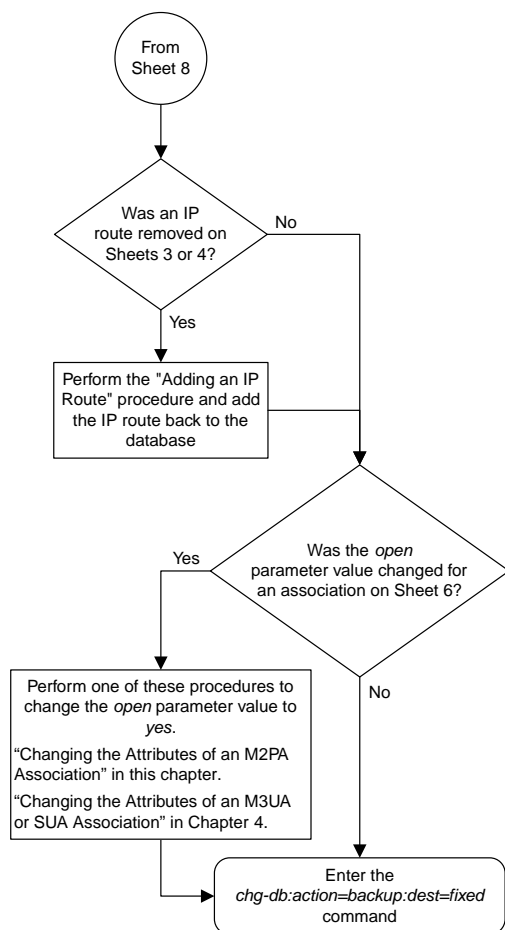






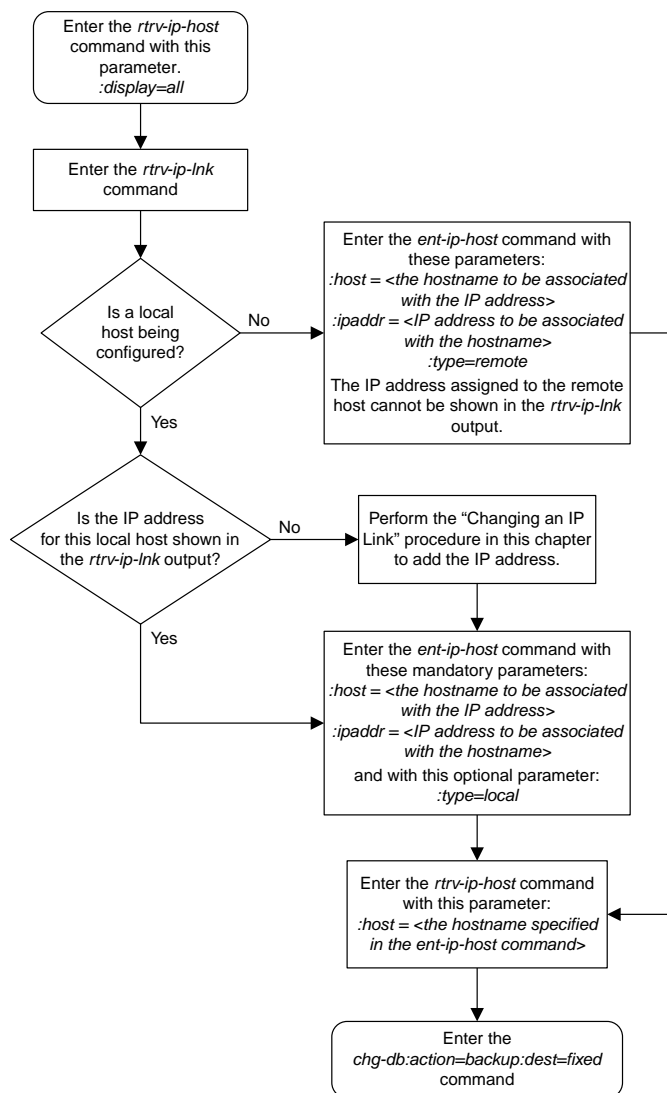
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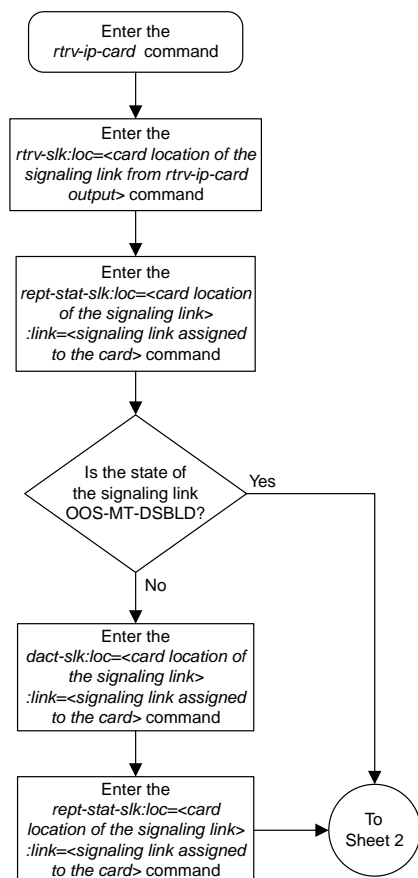


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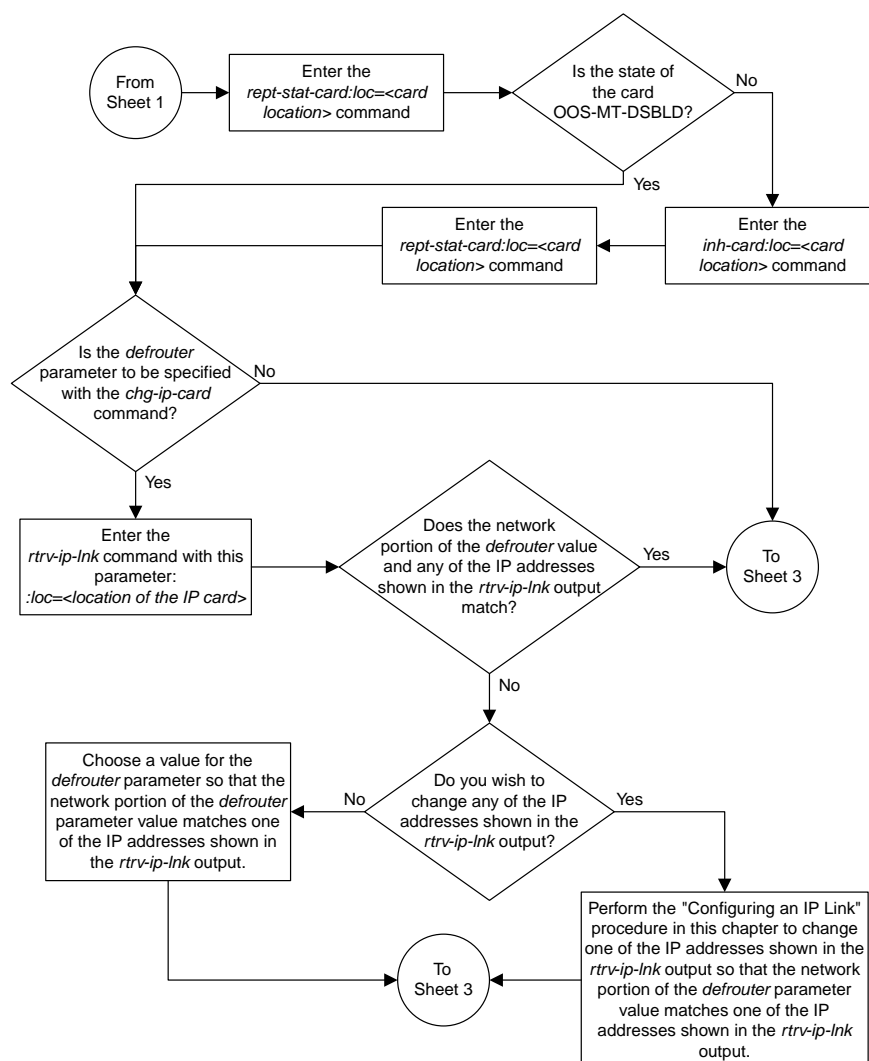
## Adding an IP Host



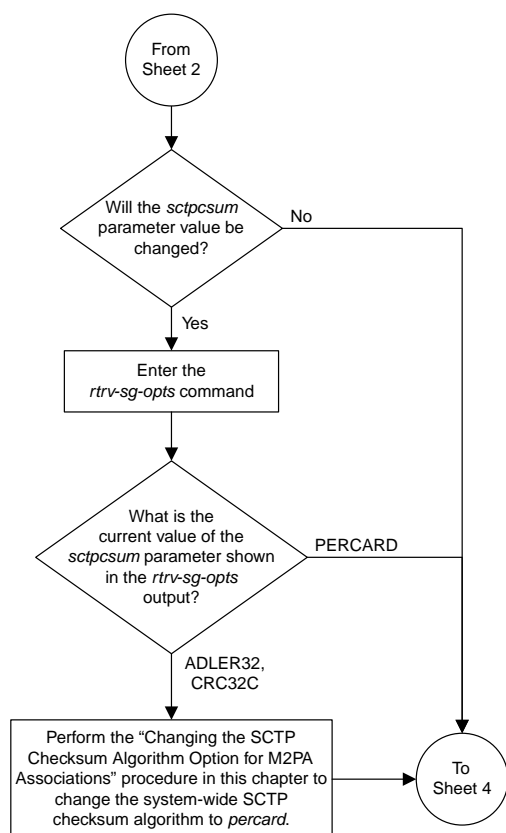
## Configuring an IP Card



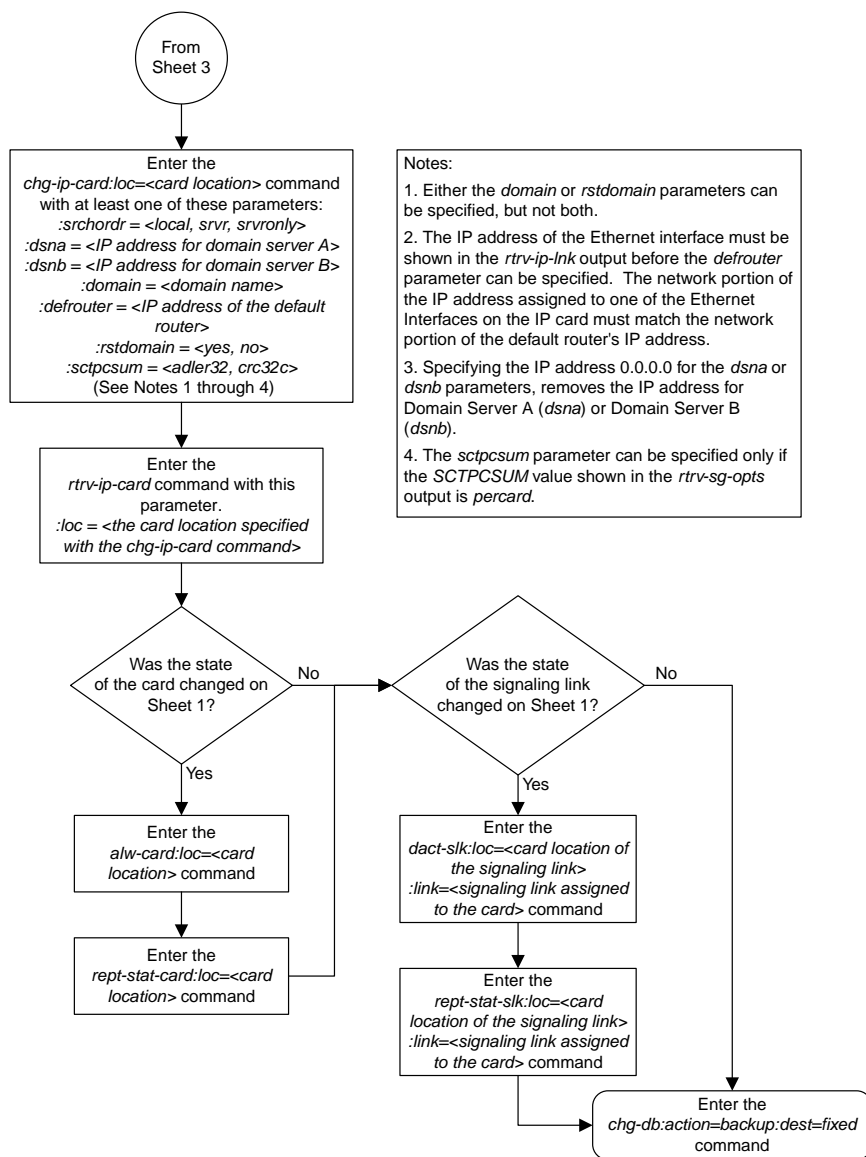
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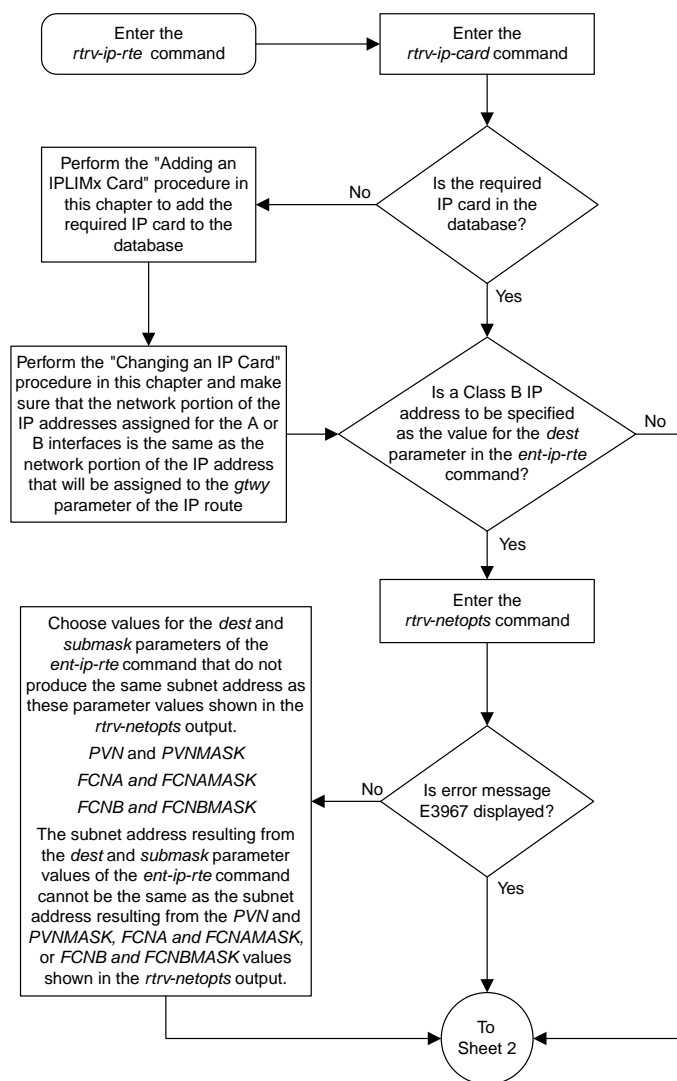


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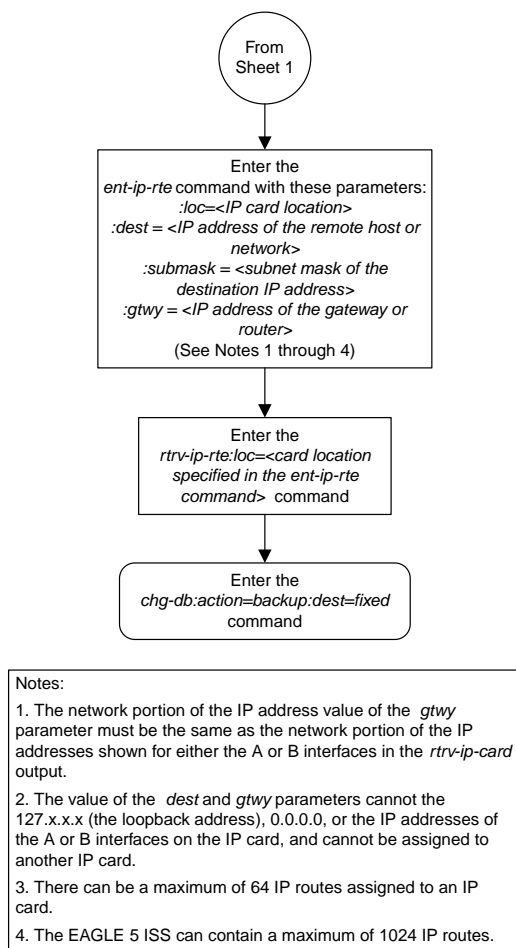


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## Adding an IP Route

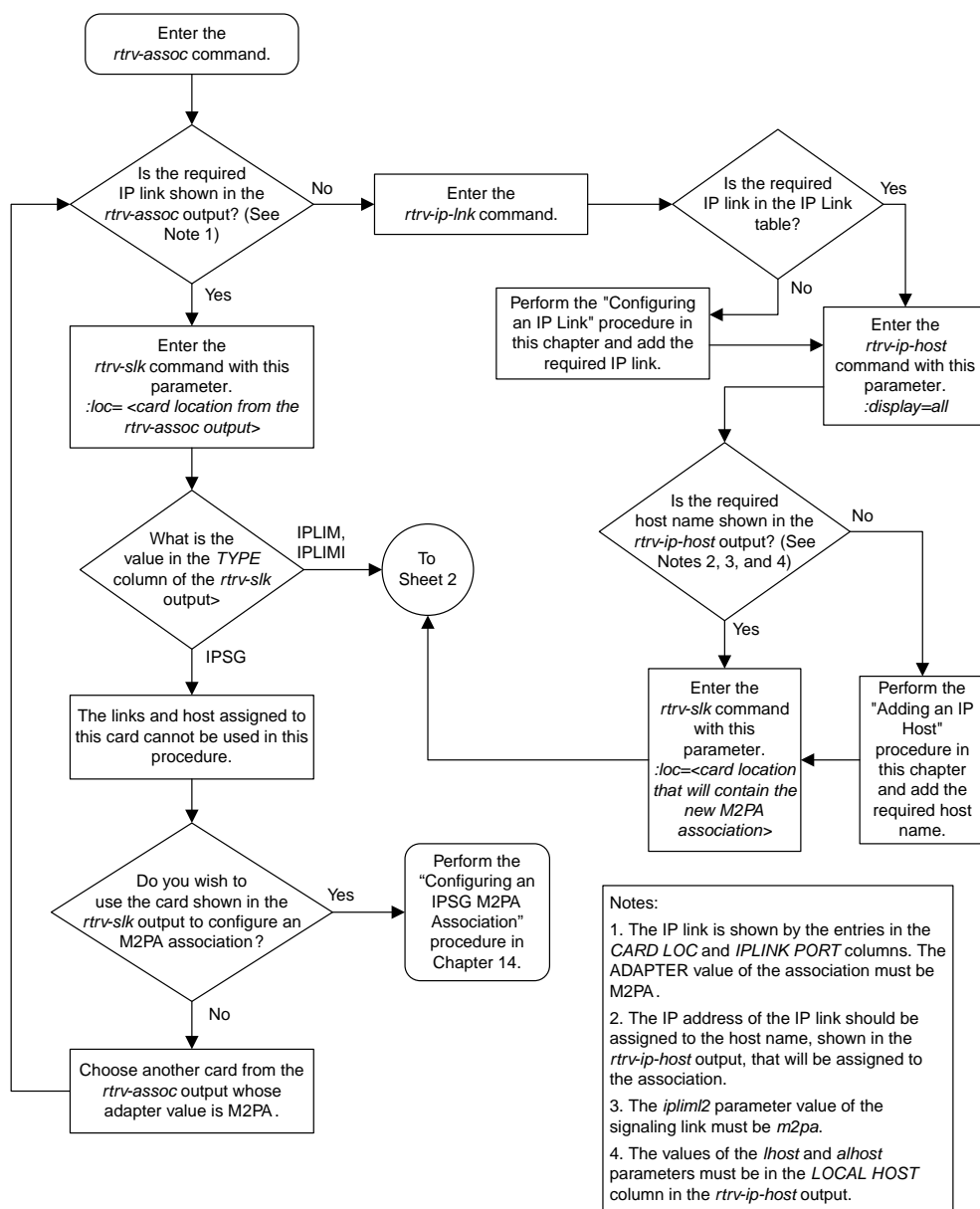


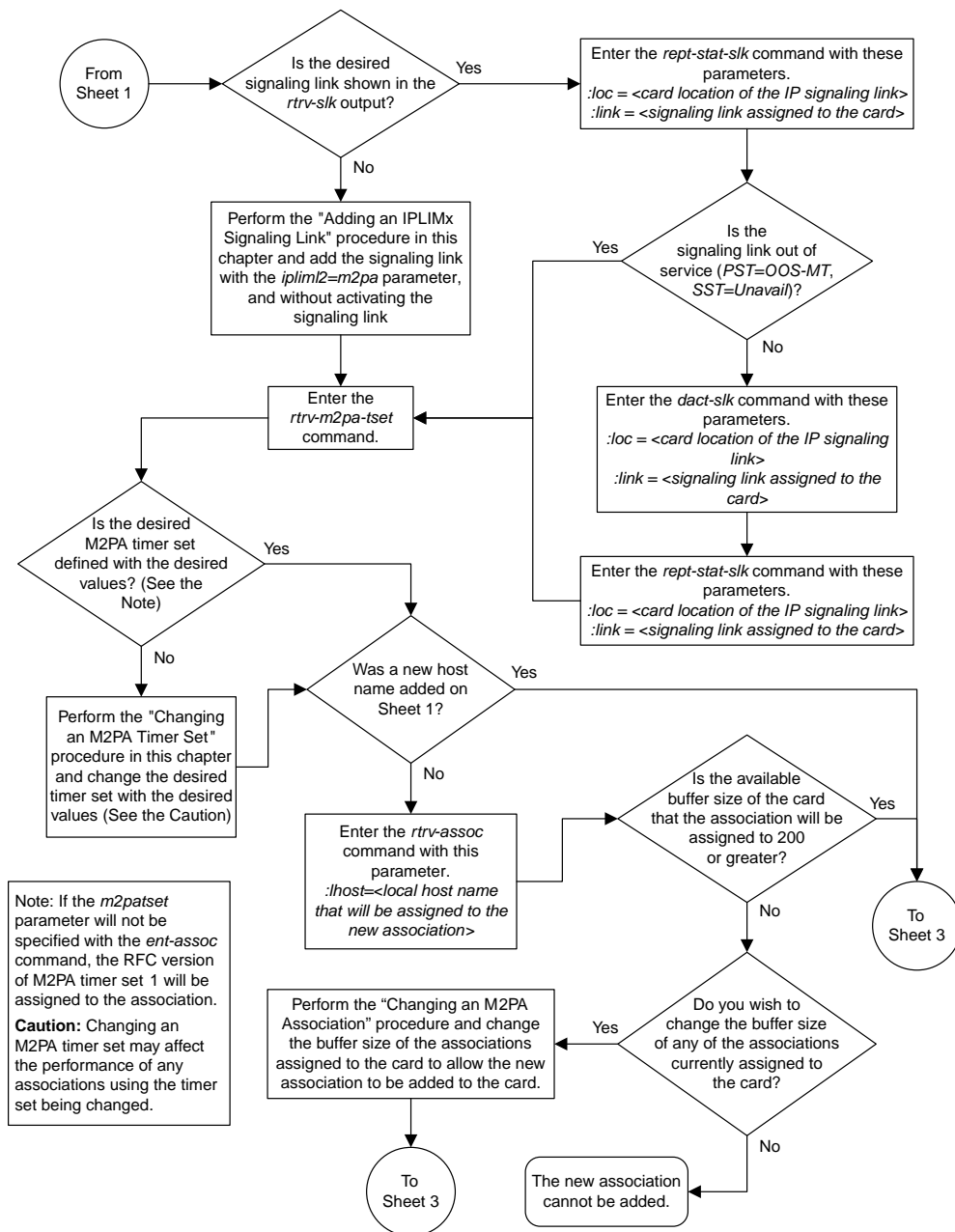
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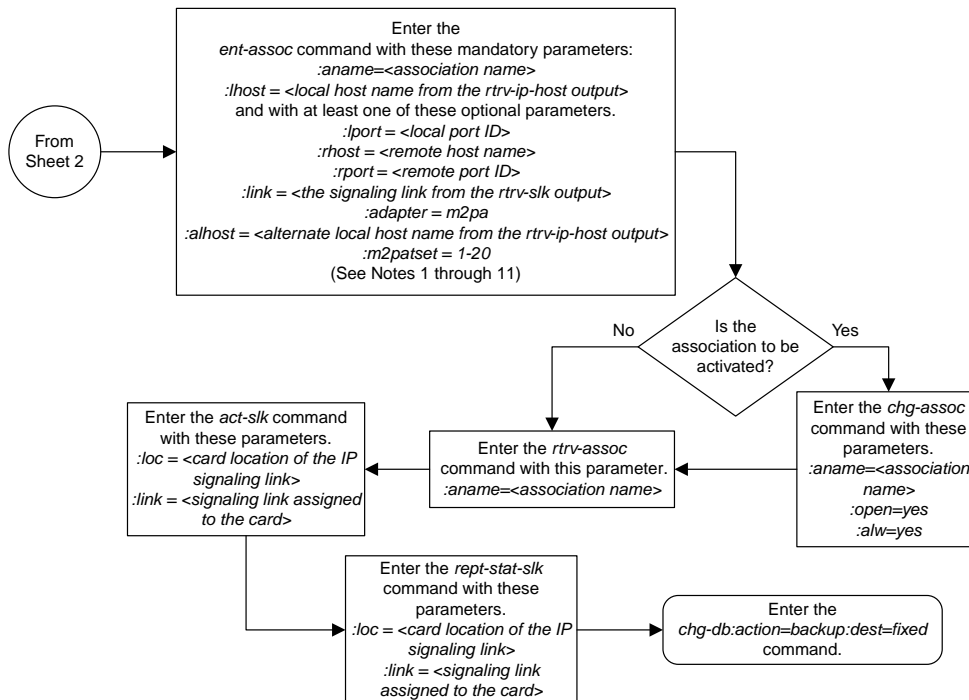


## Adding an M2PA Association





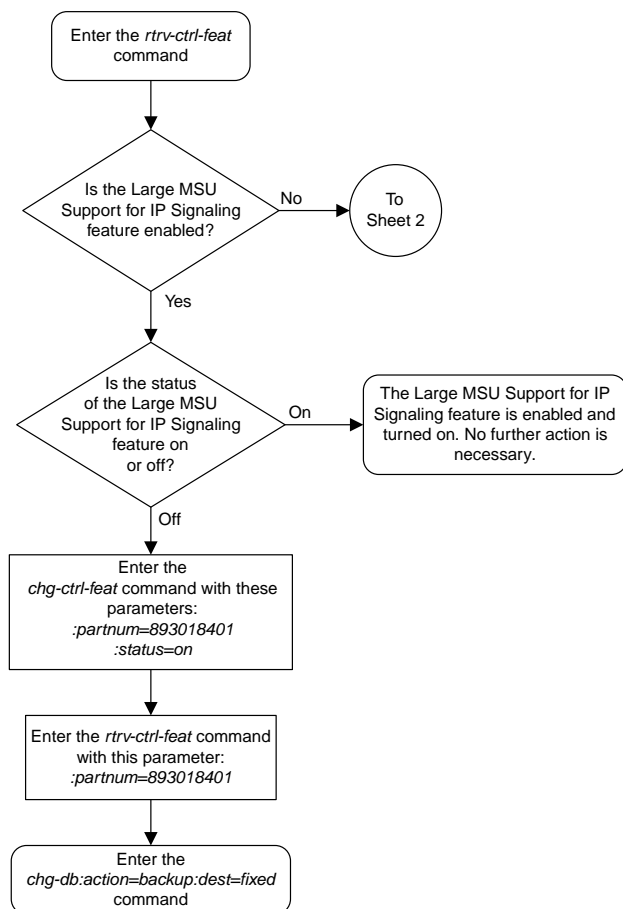
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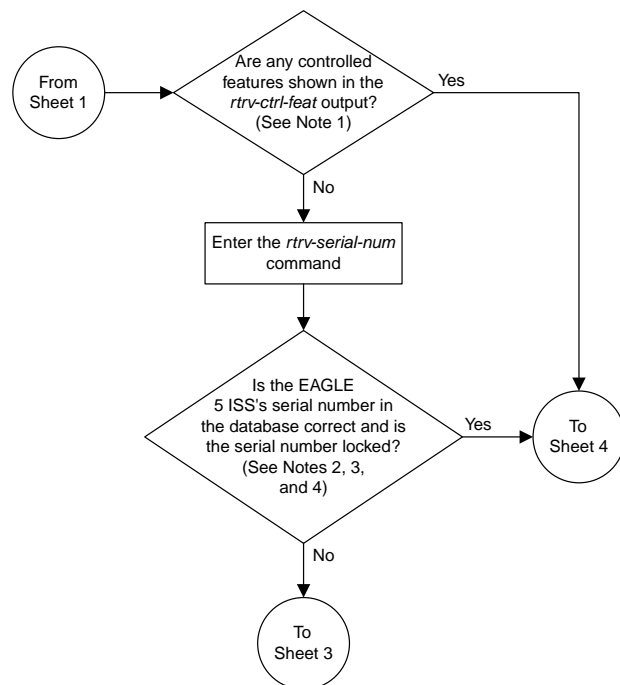
## Notes:

1. The B Ethernet interface can be used with single-slot EDCMs or E5-ENET cards.
2. The EAGLE 5 ISS can contain a maximum of 4000 connections (association – application server assignments plus sockets).
3. The *adapter* parameter value for the association must be *m2pa*. The value of the *iplim2* parameter of the signaling link being assigned to this association must be *m2pa*. The default value for the *adapter* parameter is *m2pa*.
4. IPLIMx cards can have only one connection for each signaling link assigned to the card. If the card is a single-slot EDCM, the card may contain a maximum of eight connections. If the card is an E5-ENET card, the card may contain a maximum of 16 connections.
5. The value of the *lhost*, *rhost*, or *alhost* parameters is a text string of up to 60 characters, with the first character being a letter. The command line on the terminal can contain up to 150 characters. If the host names are too long to fit on the *ent-assoc* command line, perform the *chg-assoc* command with the parameters and values necessary to complete the entry of the M2PA association.
6. If the new association is to be activated in this procedure with the *chg-assoc* command, the association must contain values for the *lhost*, *rhost*, *lport*, and *rport* parameters.
7. If the *lhost* and *alhost* are specified, the *lhost* parameter value represents the IP address corresponding to one of the network interfaces (A or B) on the IP card while the *alhost* parameter value represents the IP address corresponding to the other network interface of the same IP card.
8. The *m2patset* parameter can be specified only with the *adapter=m2pa* parameter.
9. The *m2patset* parameter value defaults to M2PA timer set 1 (*m2patset=1*) if the *m2patset* parameter is not specified.
10. The *port* parameter can be used in place of the *link* parameter to specify the signaling link assigned to the association.
11. When the *adapter=m2pa* parameter is specified, the RFC M2PA version is assigned to the M2PA association by default. If you wish to assign the Draft 6 M2PA version to this association, perform the "Changing the Attributes of an M2PA Association" procedure in this chapter after this procedure is completed to change the M2PA version of this association.

## Activating the Large MSU Support for IP Signaling Feature

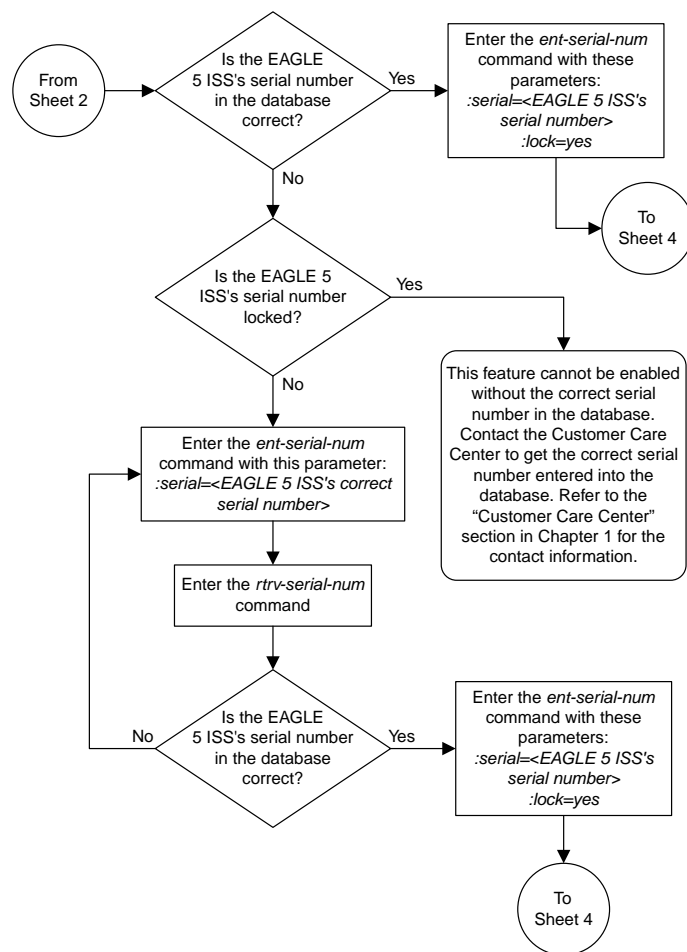


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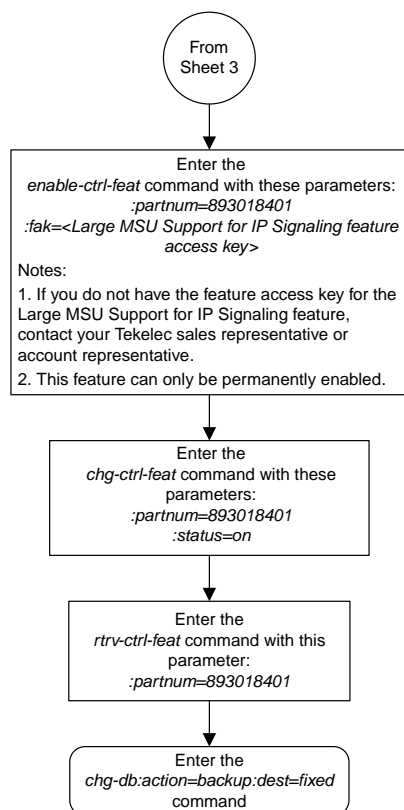


## Notes:

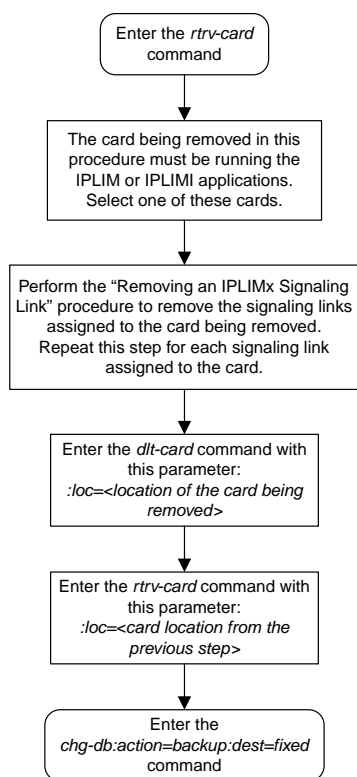
1. If the *rtrv-ctrl-feat* output shows only the HC -MIM SLK Capacity feature with a quantity of 64, the answer to this question is no and the Eagle 5 ISS's serial number must be verified. This is the default entry for the *rtrv-ctrl-feat* output. This entry is shown whether or not the Eagle 5 ISS's serial number is in the database.
2. If the serial number is locked, it cannot be changed.
3. If the serial number is not locked, the controlled feature cannot be enabled.
4. The serial number can be found on a label affixed to the control shelf (shelf 1100).



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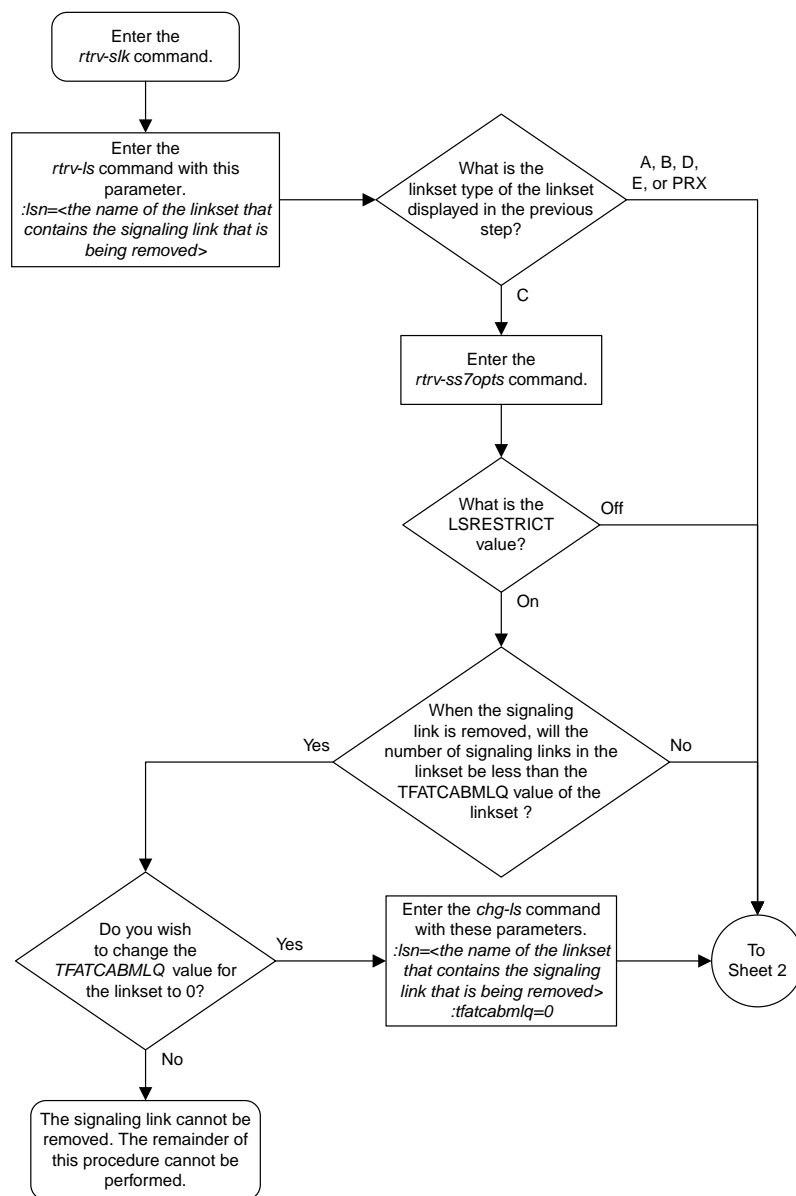


## Removing an IPLIMx Card

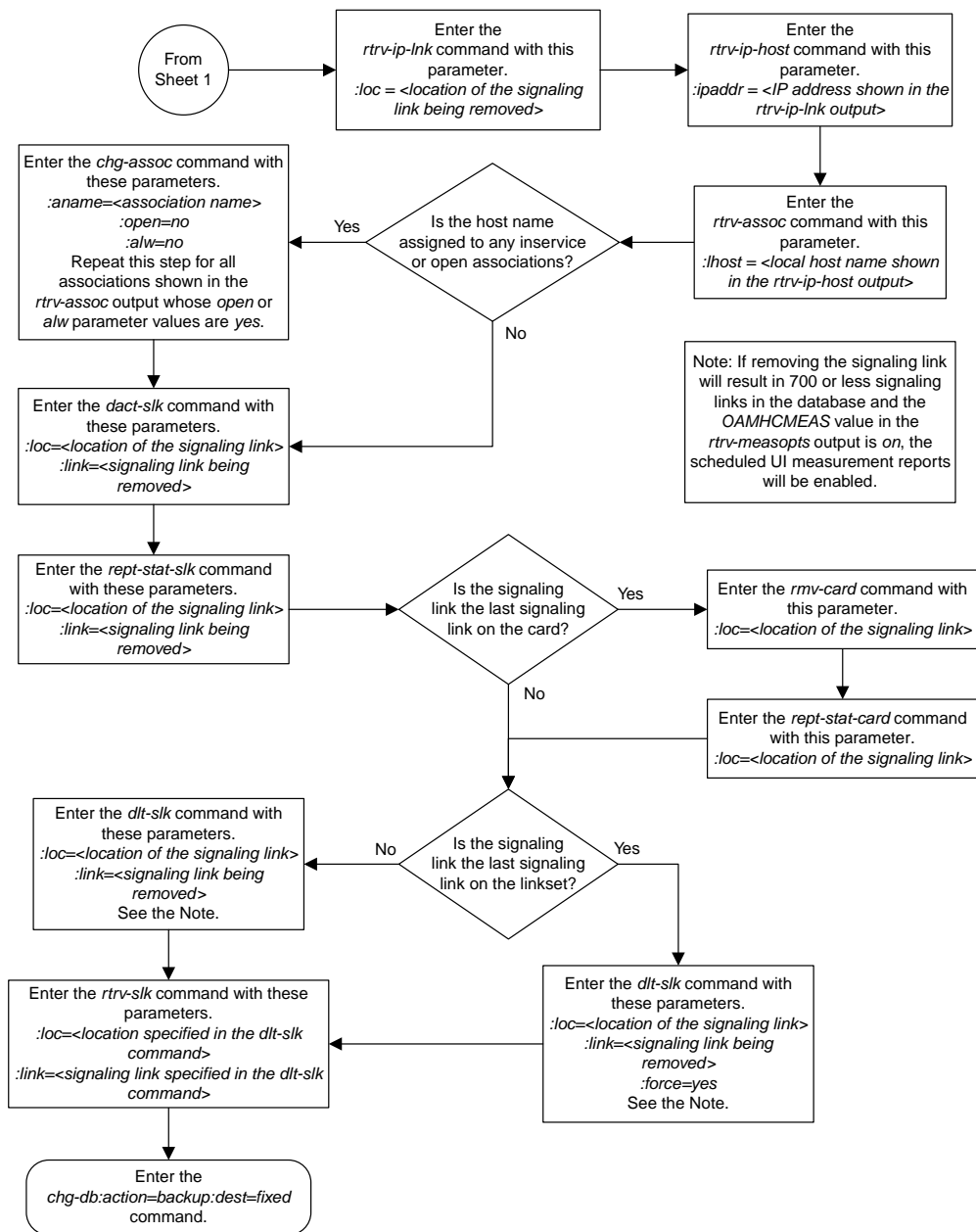




## Removing an IPLIMx Signaling Link

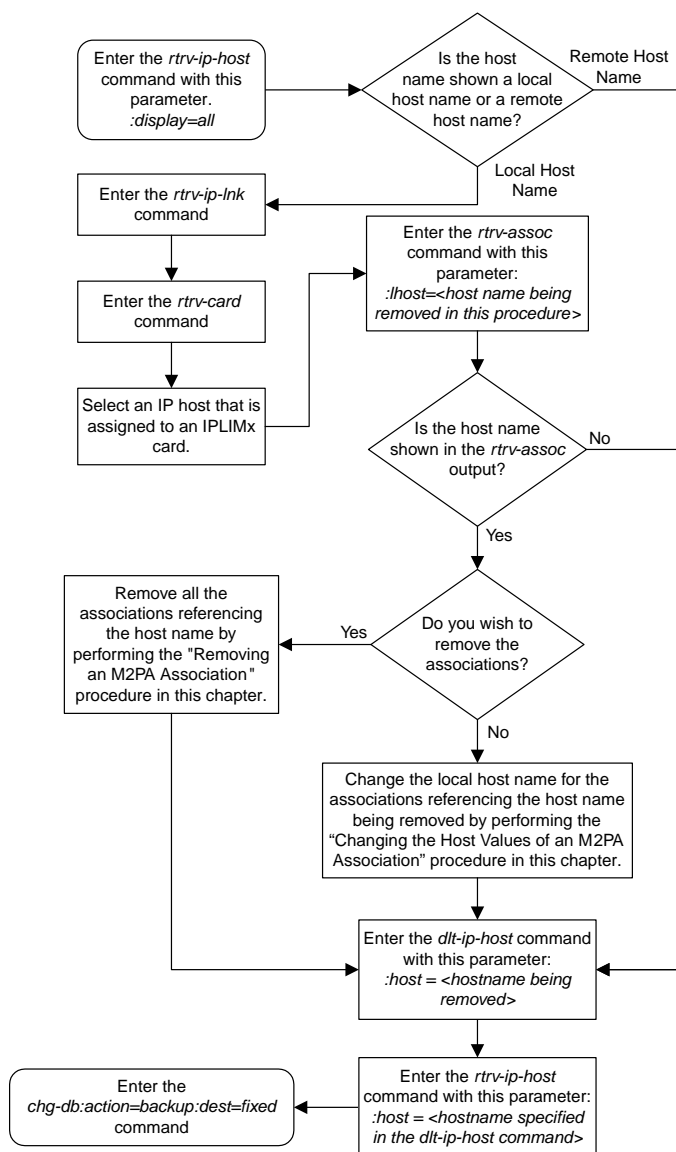


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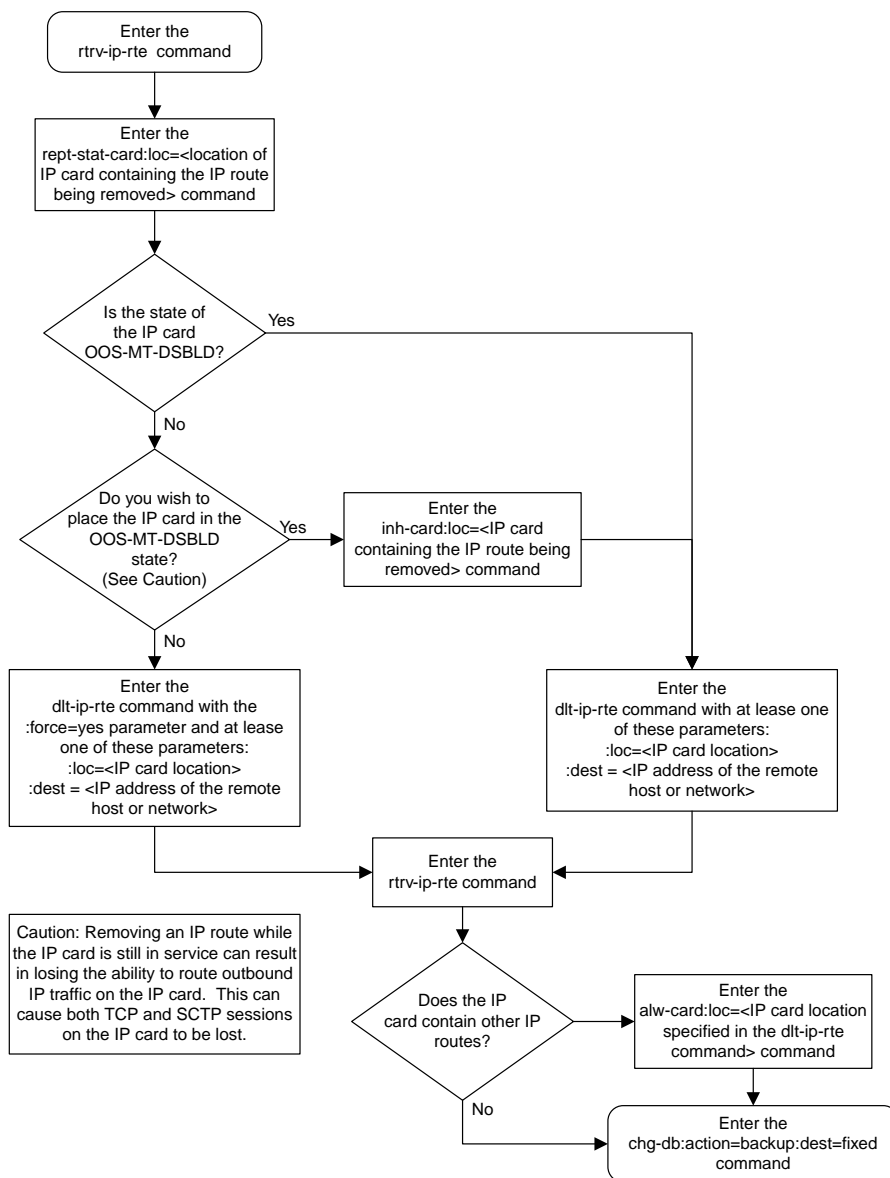


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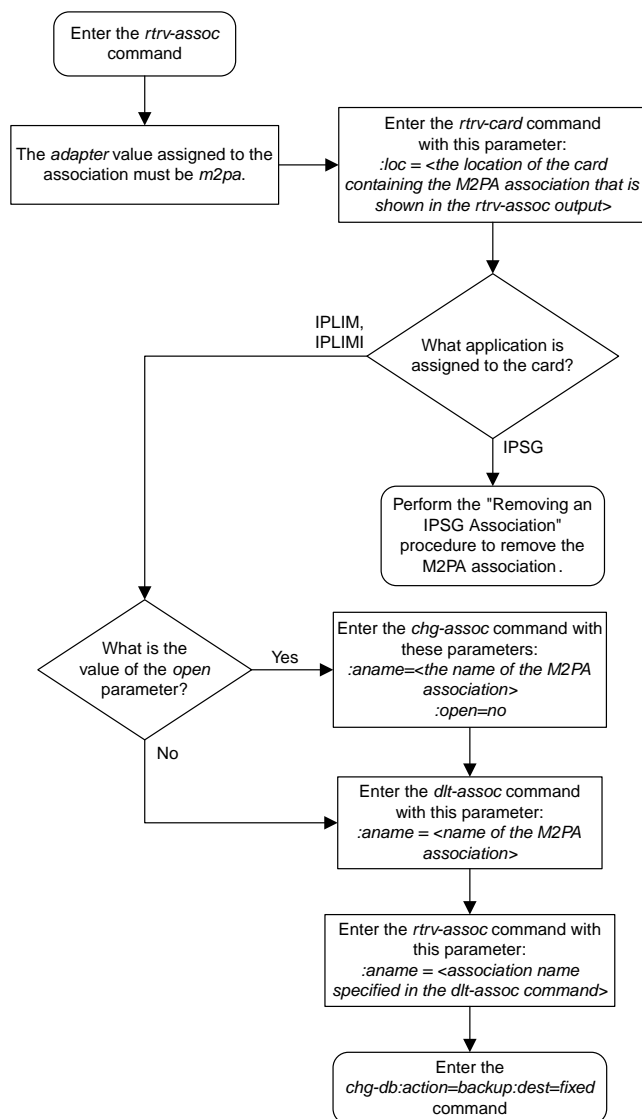
## Removing an IP Host Assigned to an IPLIMx Card



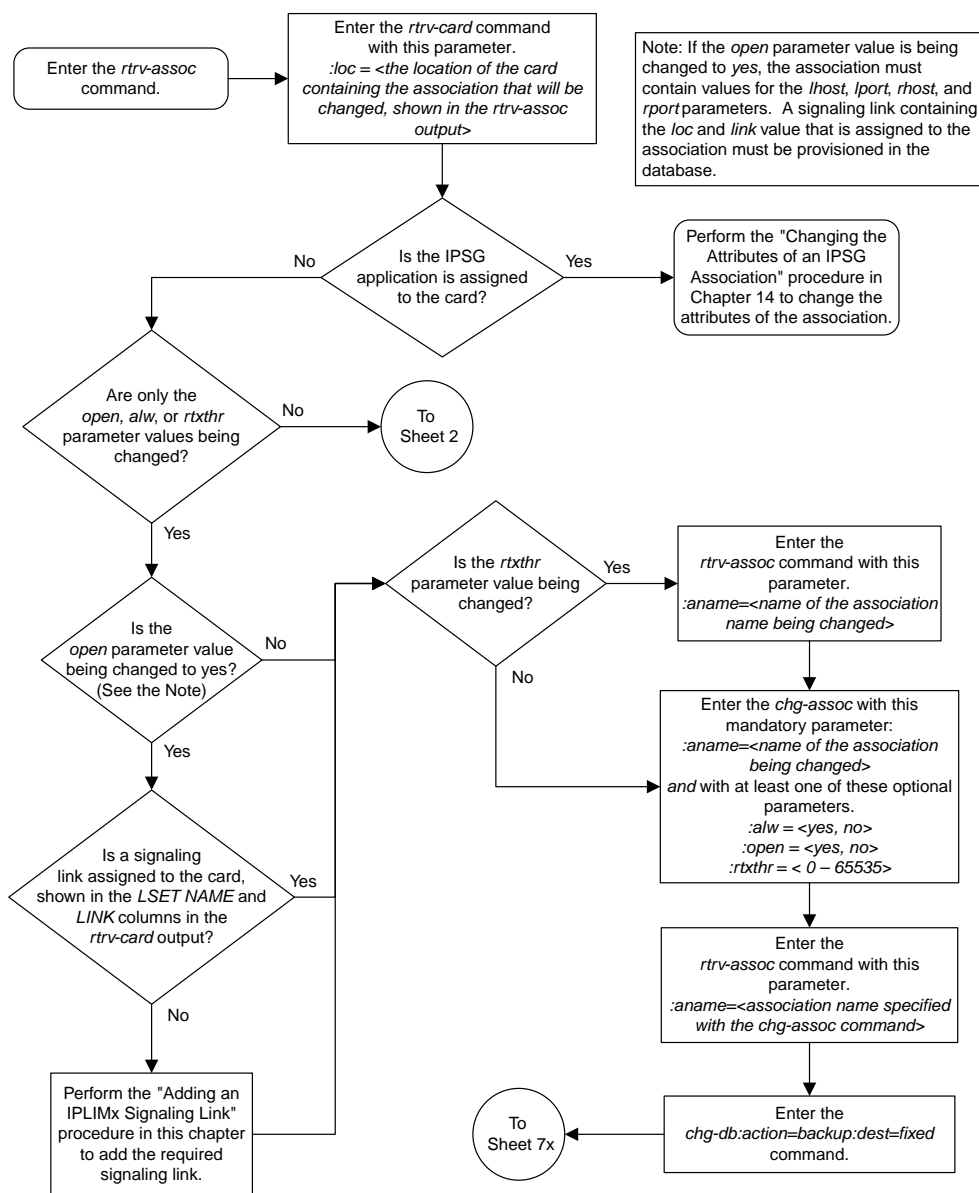
## Removing an IP Route



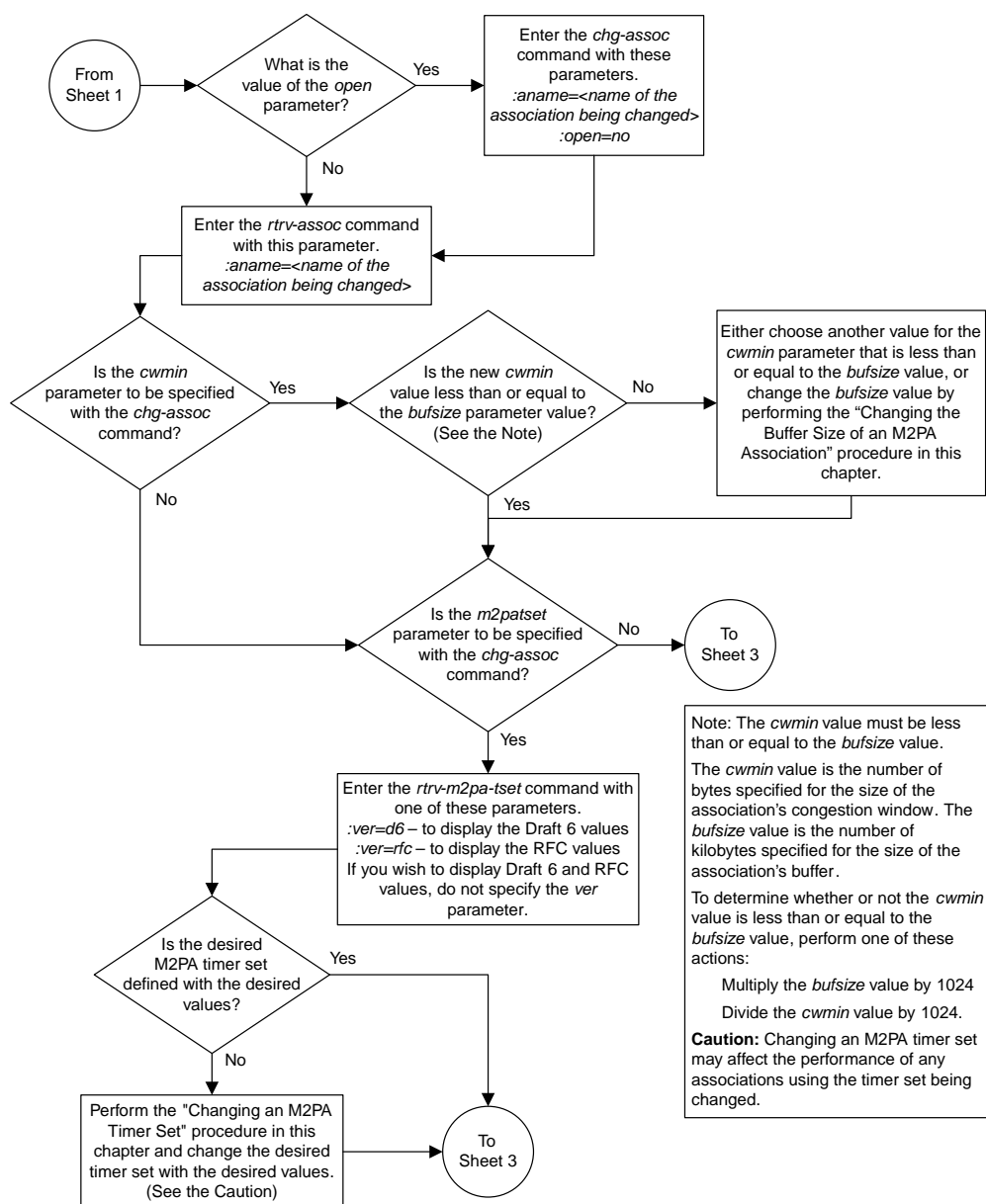
## Removing an M2PA Association

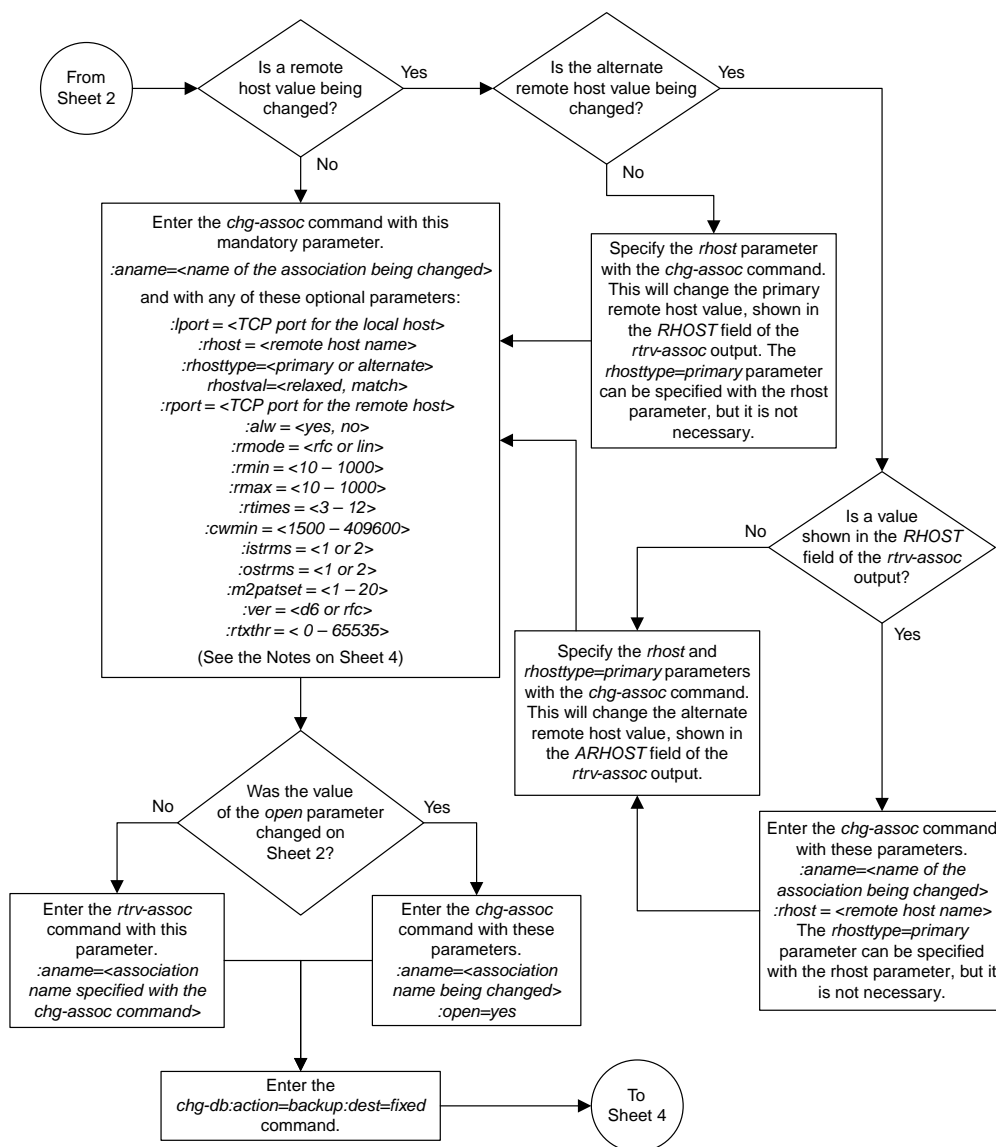


## Changing the Attributes of an M2PA Association



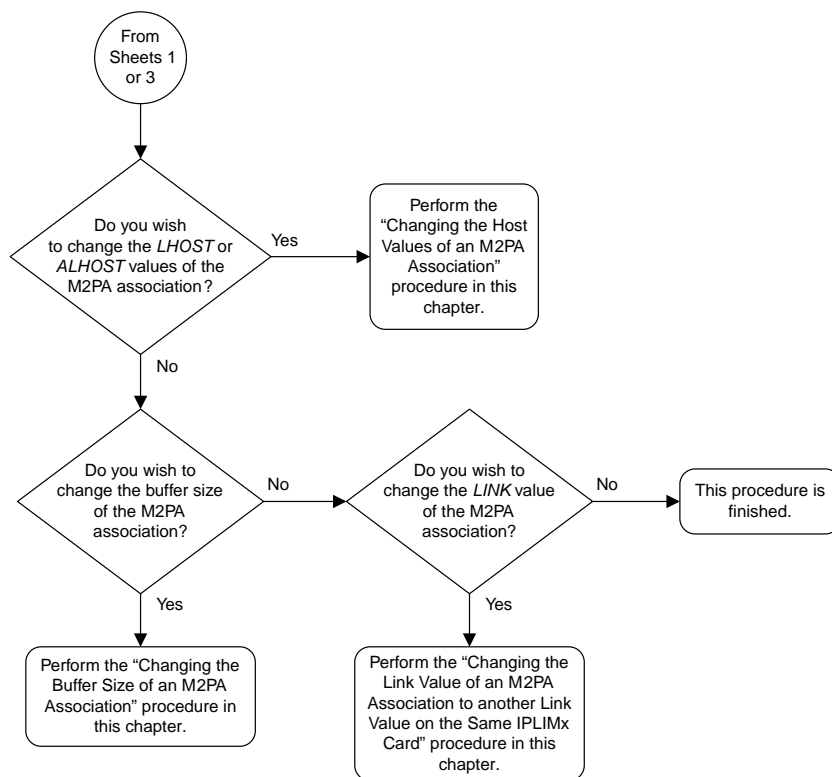
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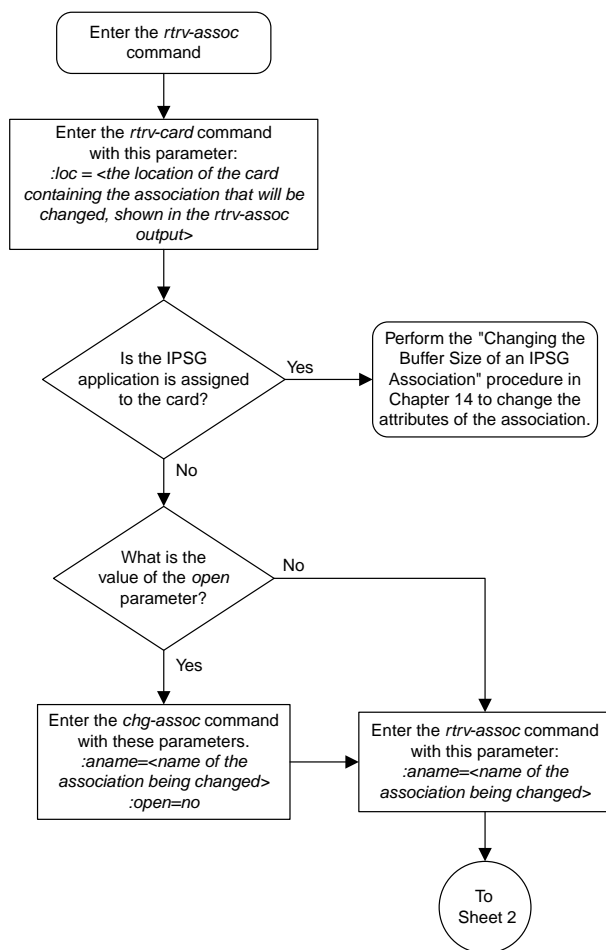


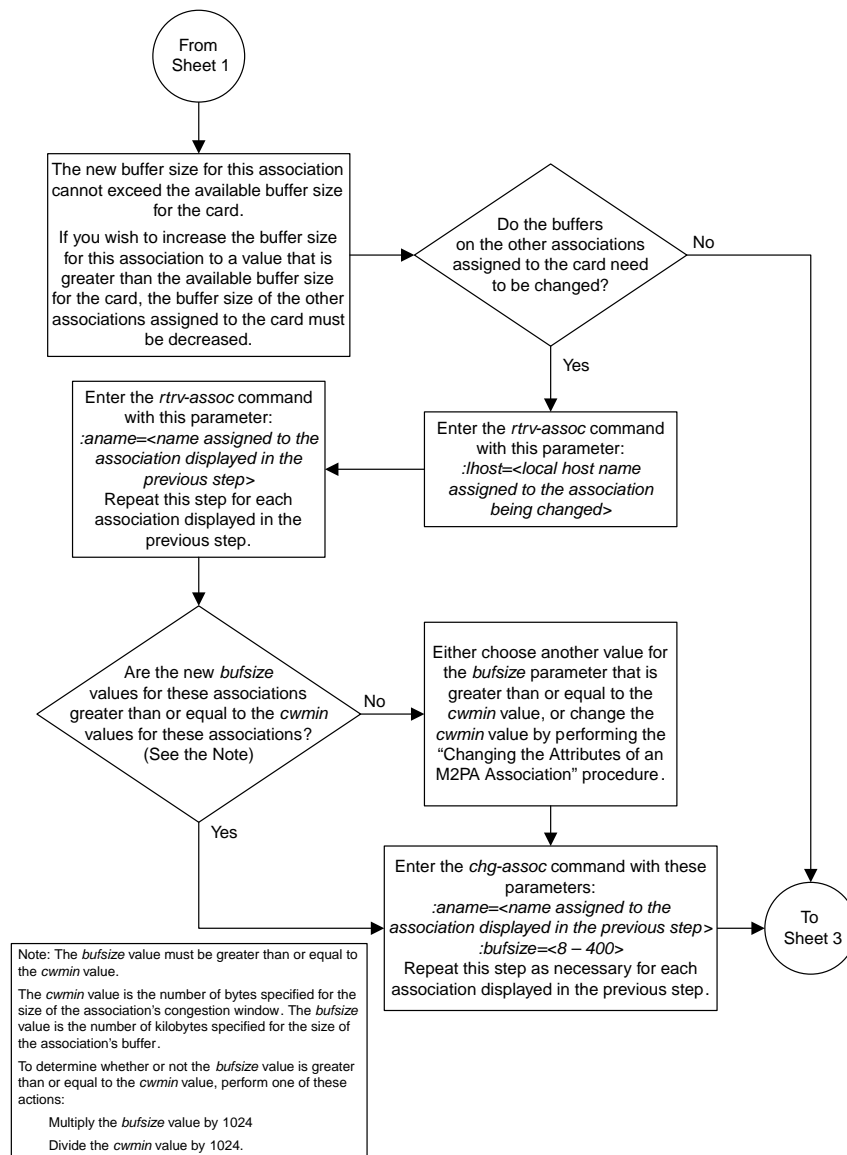


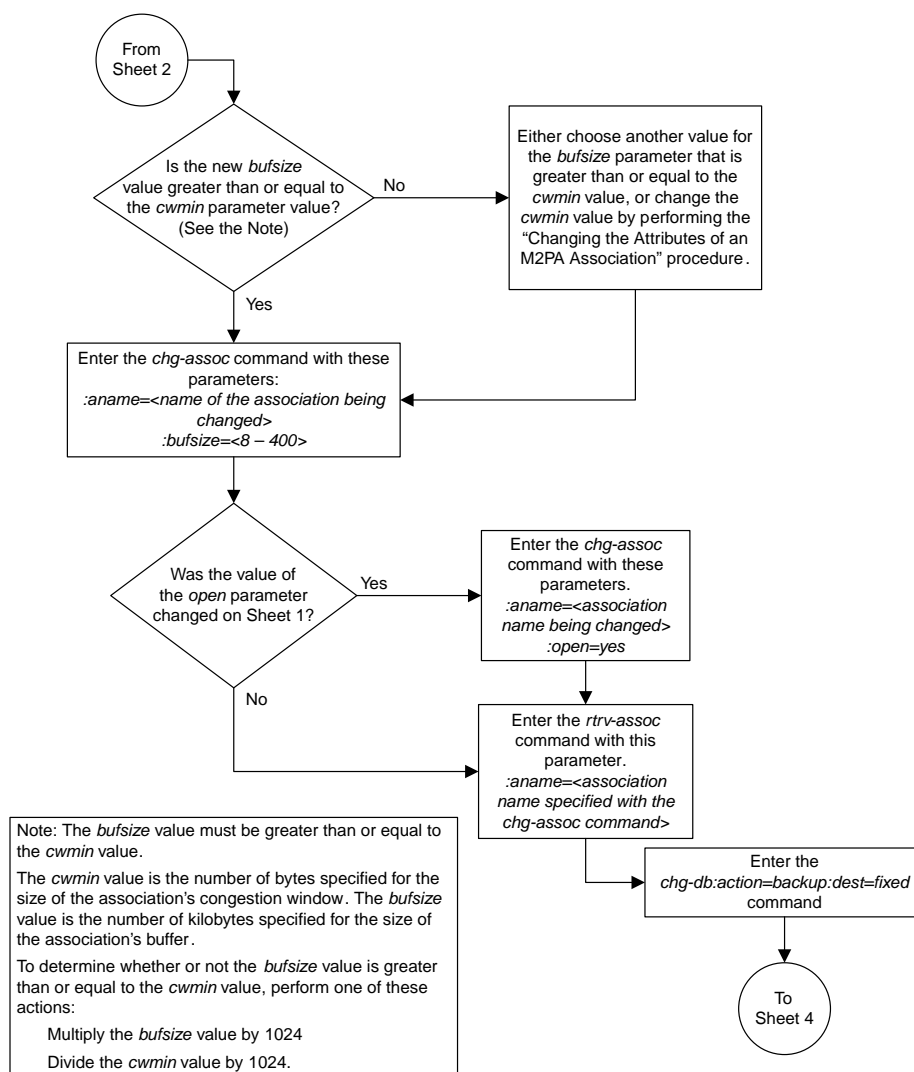
## Notes:

1. If any optional parameters are not specified with the *chg-assoc* command, those values are not changed.
2. The value of the *rhost* parameter is a text string of up to 60 characters, with the first character being a letter. The command input is limited to 150 characters, including the hostname.
3. If the value of the *open* parameter is yes, only the values of the *alw* and *rtxthr* parameters can be changed. To change the values of the other parameters, the value of the *open* parameter must be no.
4. The value of the *rmin* parameter must be less than or equal to the *rmax* parameter value.
5. The M2PA version of the association determines the version of the M2PA timer set that is assigned to the association. For example, if M2PA timer set 3 is assigned to the M2PA association, and the association is an RFC M2PA association, the RFC version of M2PA timer set 3 is used with the association. If M2PA timer set 7 is assigned to the M2PA association, and the association is a Draft 6 M2PA association, the Draft 6 version of M2PA timer set 7 is used with the association.

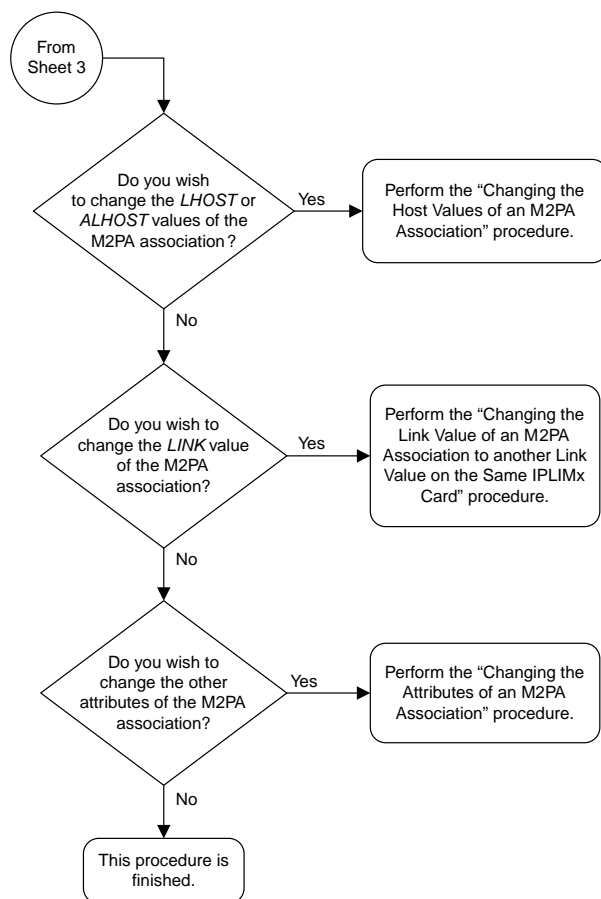
## Changing the Buffer Size of an M2PA Association



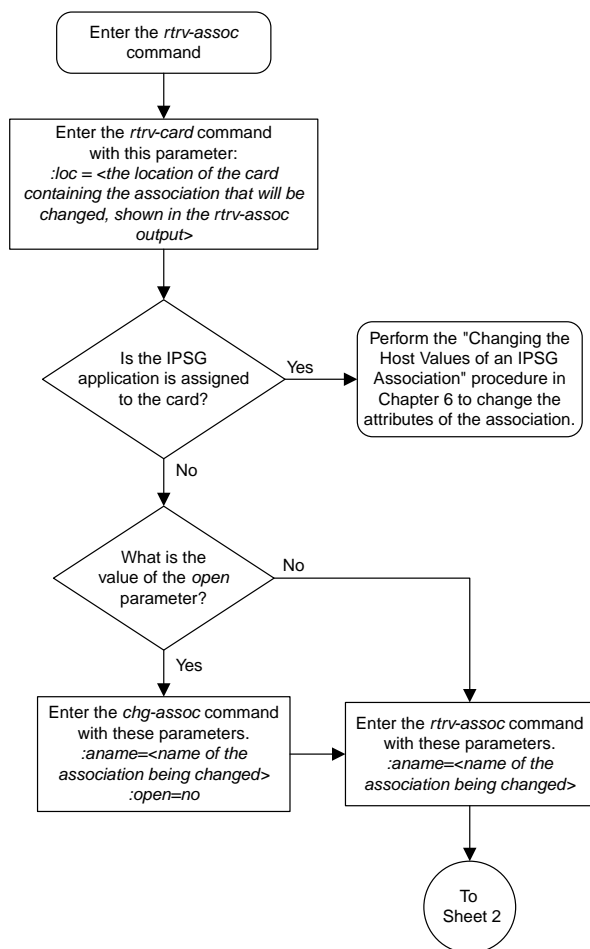


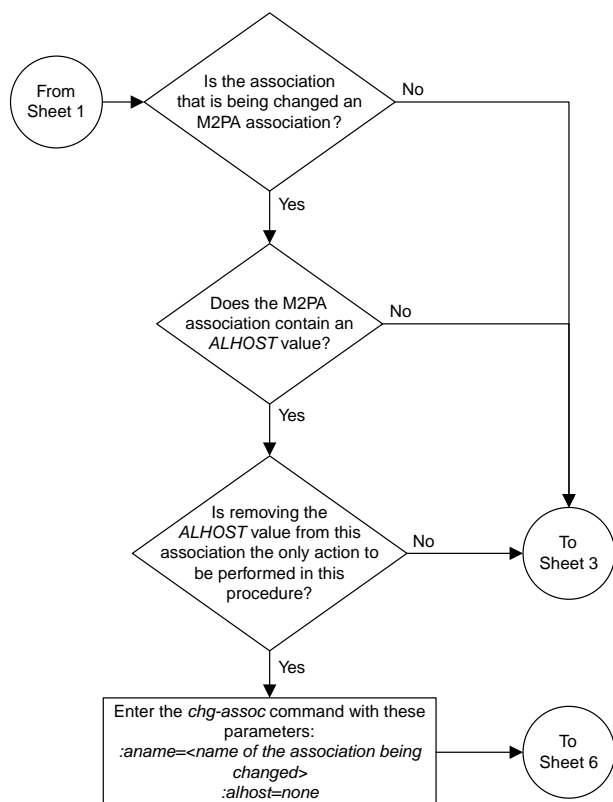


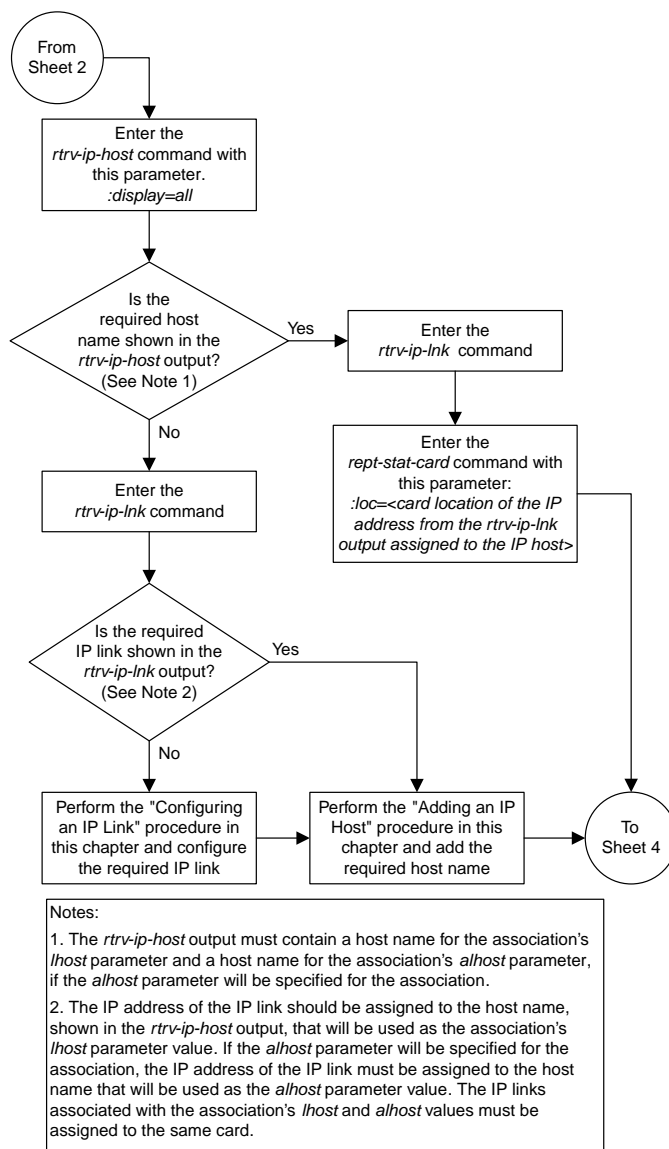
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## Changing the Host Values of an M2PA Association

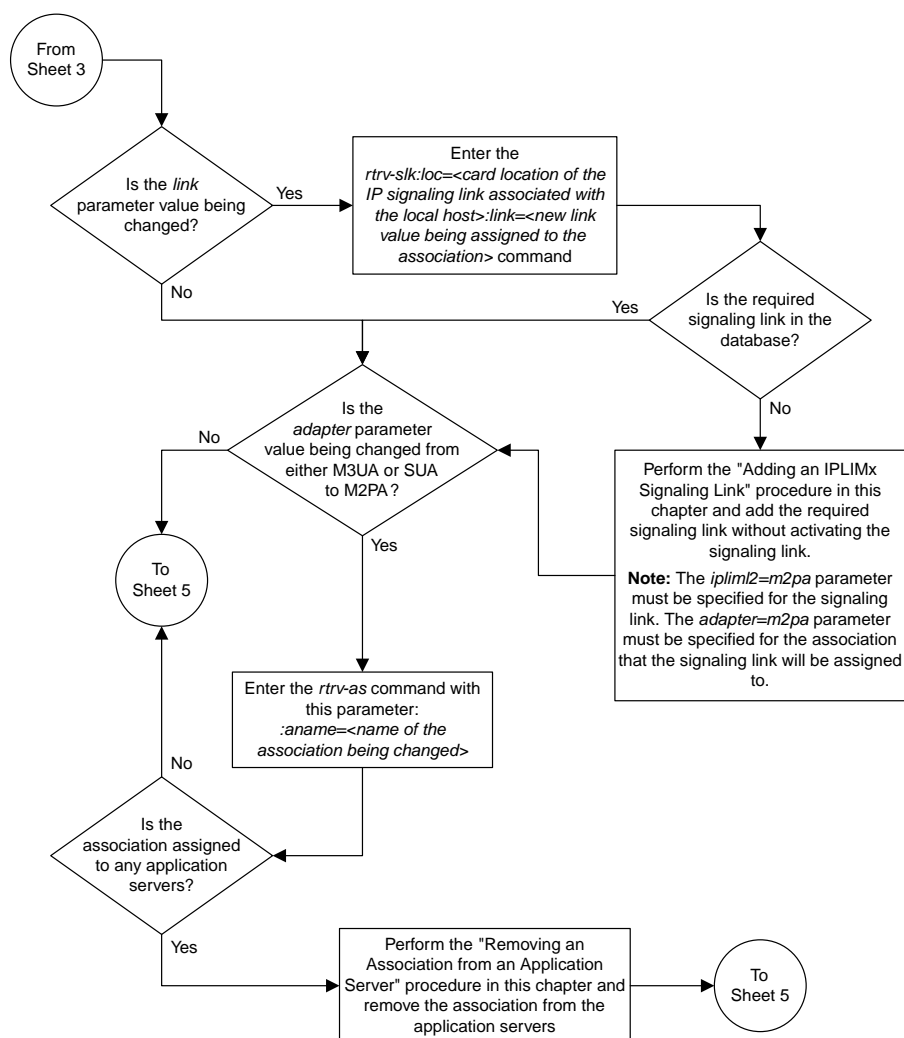


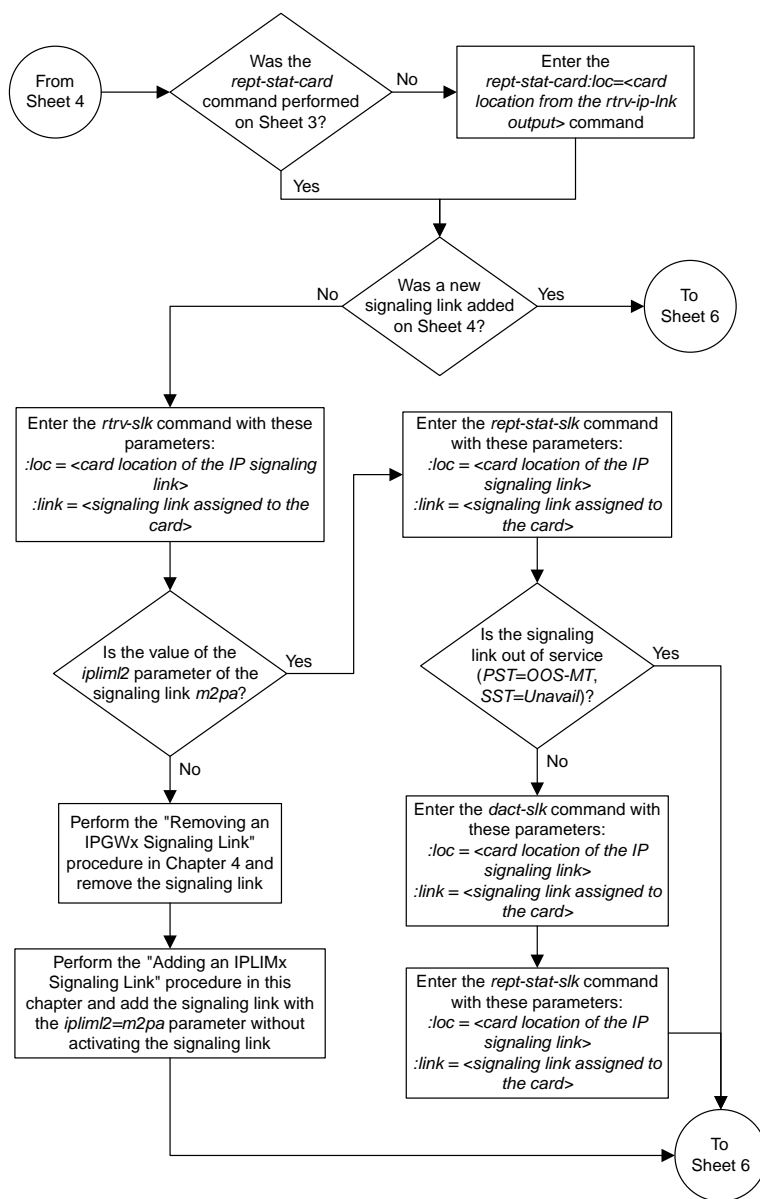




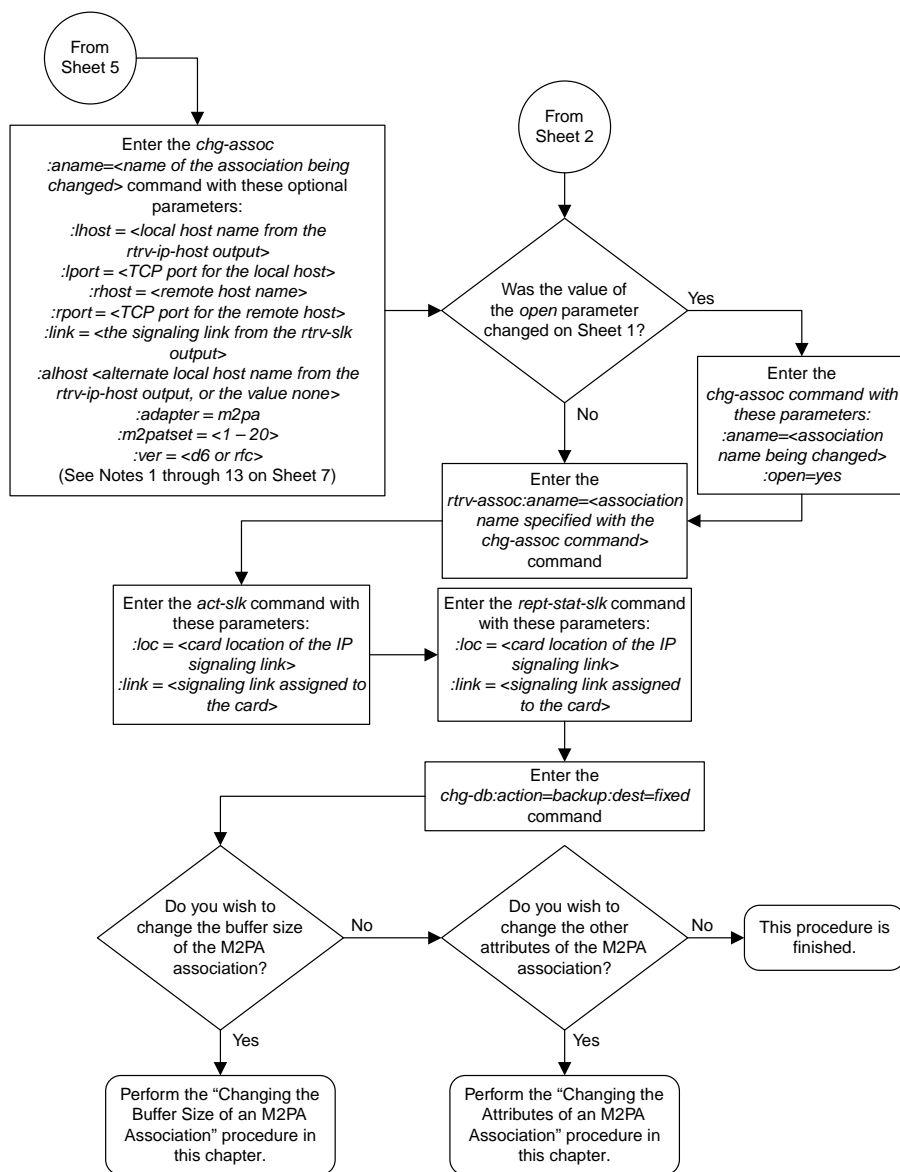
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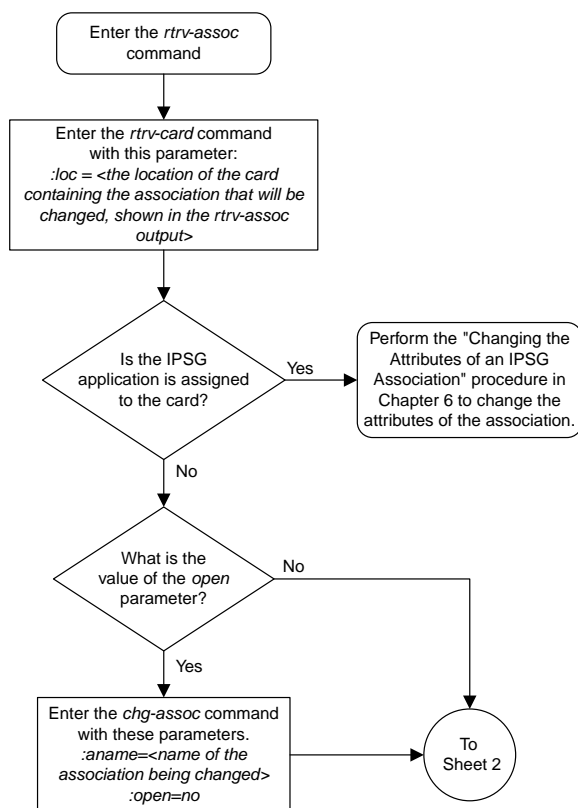


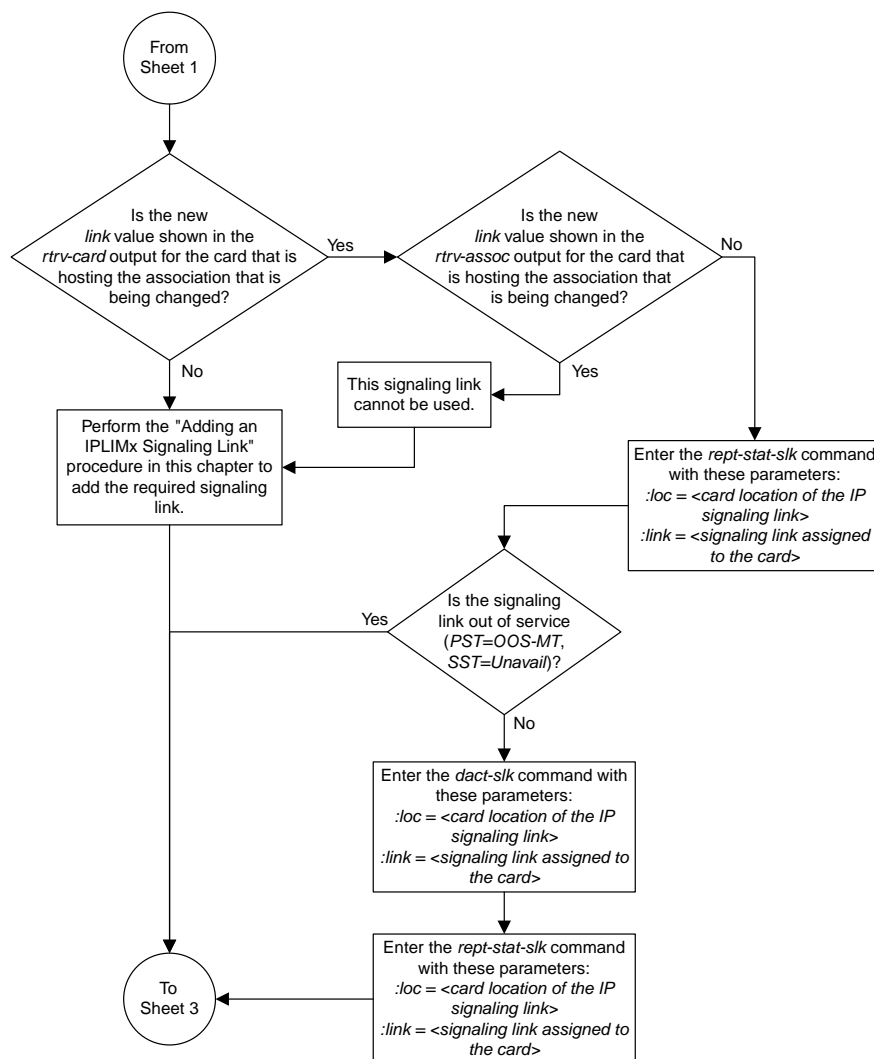
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## Notes:

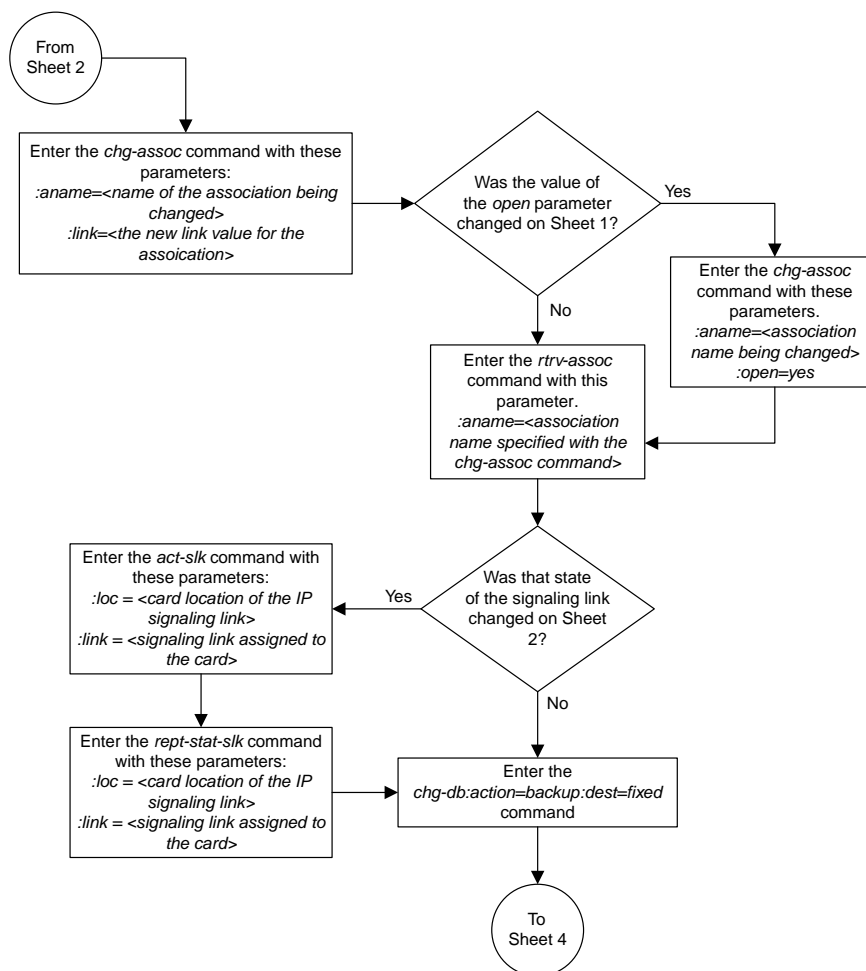
1. If any optional parameters are not specified with the *chg-assoc* command, those values are not changed.
2. The B Ethernet interface can be used with single-slot EDCMs or E5-ENET cards.
3. The EAGLE 5 ISS can contain a maximum of 4000 connections.
4. IPLIMx cards can have only one connection for each signaling link assigned to the card. If the card is a single-slot EDCM, the card may contain a maximum of eight connections. If the card is an E5-ENET card, the card may contain a maximum of 16 connections.
5. The value of the *lhost* and *rhost* parameters is a text string of up to 60 characters, with the first character being a letter. The command input is limited to 150 characters, including the hostnames.
6. The *adapter* parameter value for the association must be *m2pa* and the *iplim2=m2pa* parameter must be assigned to the signaling link on the *iplim* or *iplimi* card.
7. Specifying the *lhost* parameter only creates a uni-homed endpoint. The network portion of the endpoint's IP address must be the same as the network portion of the IP address assigned to either the A or B network interface of the IP card.
8. Specifying the *lhost* and *alhost* parameters creates a multi-homed endpoint. The network portion of the IP address associated with the *lhost* parameter must be the same as the network portion of the IP address assigned to one of the network interfaces (A or B) of the IP card, and the network portion of the IP address associated with the *alhost* parameter must be the same as the network portion of the IP address assigned to the other network interface on the IP card.
9. The *alhost=none* parameter removes the alternate local host from the specified association, which also removes the multi-homed endpoint capability.
10. If the *mp2atset* parameter is not specified with the *chg-assoc* command, and the *adapter* parameter value is being changed to *m2pa*, the *m2patset* parameter value defaults to M2PA timer set 1 (*m2patset=1*).
11. The *port* parameter can be used in place of the *link* parameter to specify the signaling link assigned to the association.
12. The M2PA version of the association determines the version of the M2PA timer set that is assigned to the association. For example, if M2PA timer set 3 is assigned to the M2PA association, and the association is an RFC M2PA association, the RFC version of M2PA timer set 3 is used with the association. If M2PA timer set 7 is assigned to the M2PA association, and the association is a Draft 6 M2PA association, the Draft 6 version of M2PA timer set 7 is used with the association.
13. If the *adapter* parameter value of the association is changed to *m2pa* in this procedure and the *ver* parameter is not specified, the version of the association will be RFC. To make this association a M2PA Draft 6 association, the *ver=d6* parameter must be specified for this association.

## Changing the Link Value of an M2PA Association to another Link Value on the Same IPLIMx Card

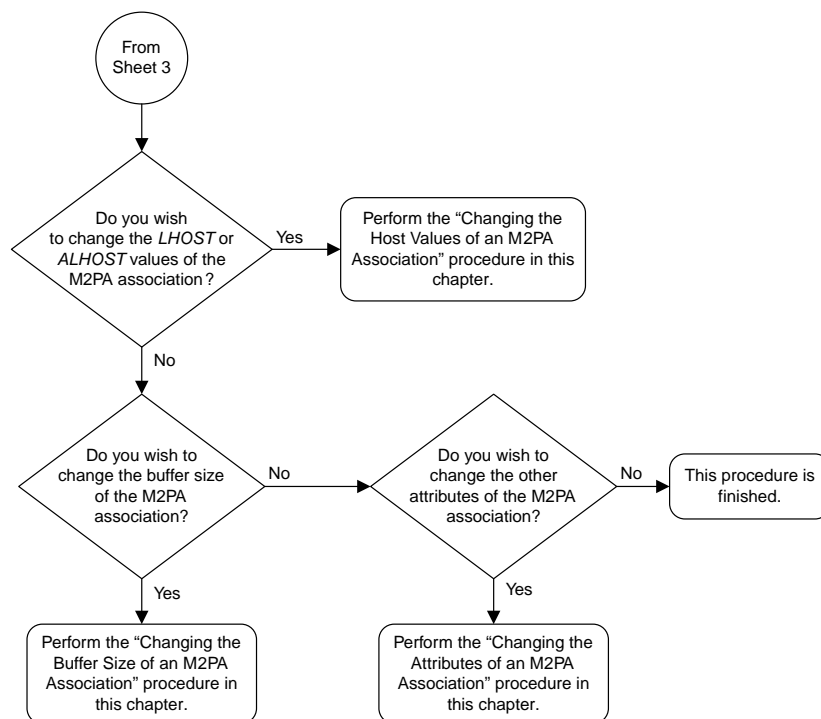




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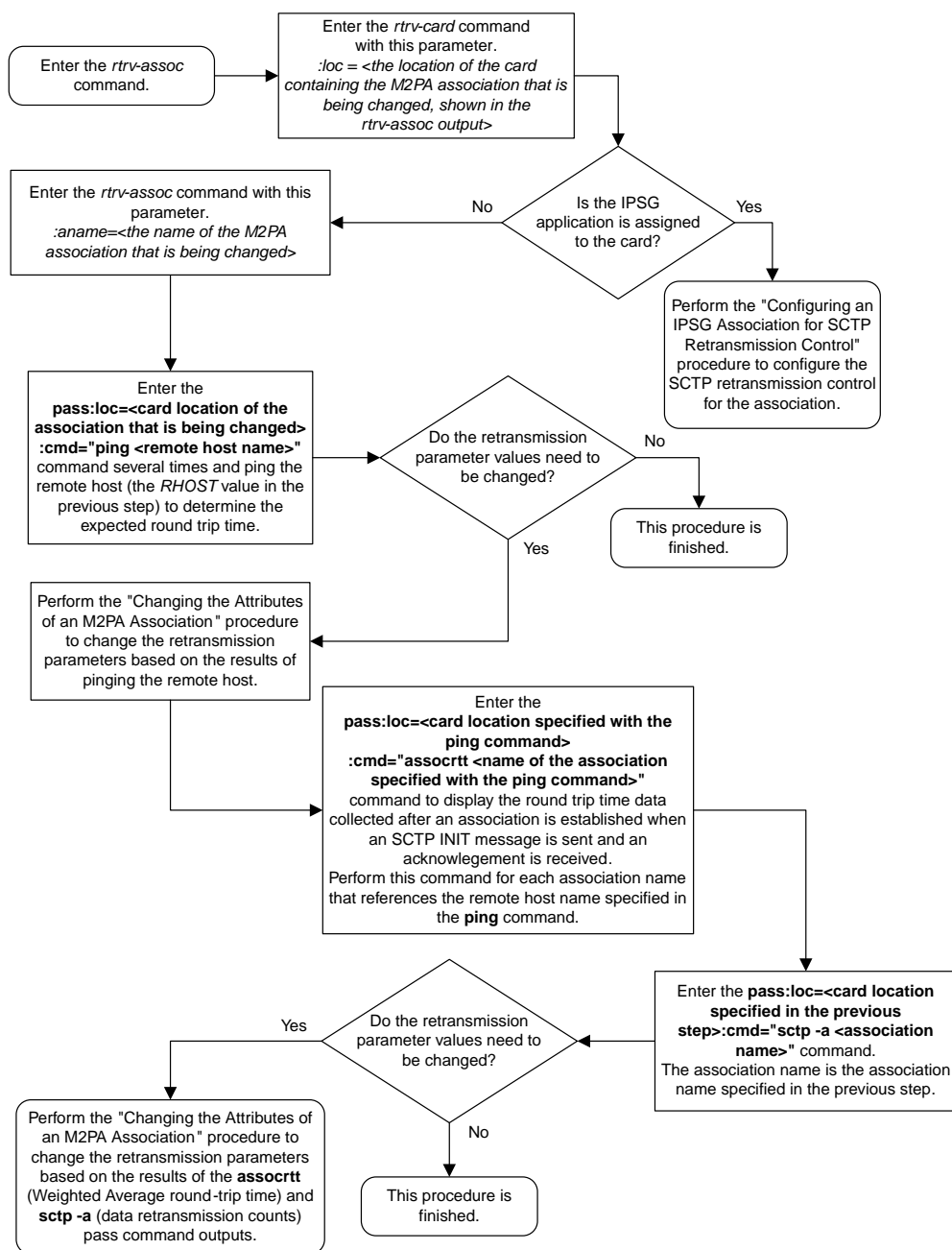


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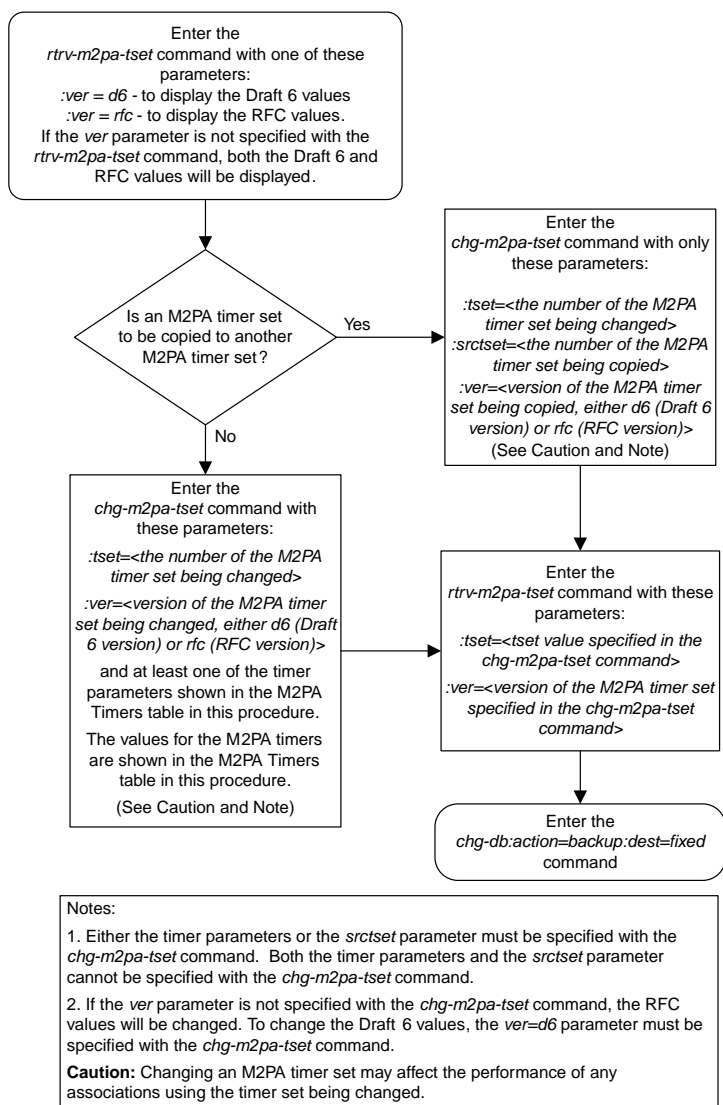




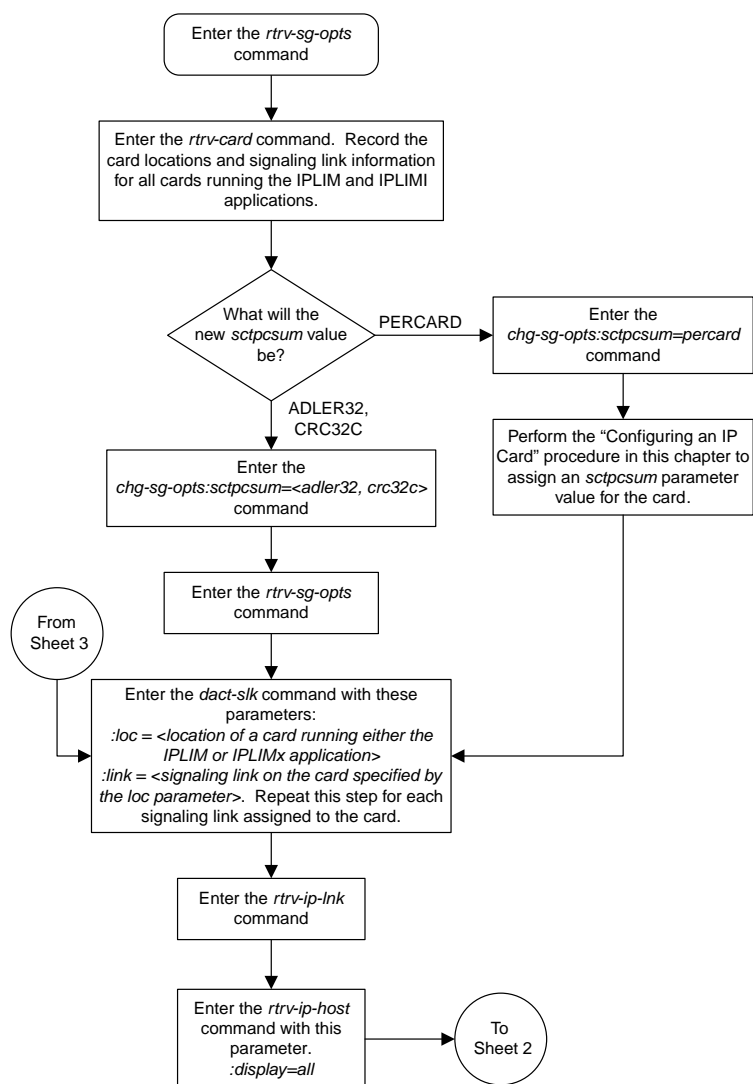
## Configuring SCTP Retransmission Control for an M2PA Association



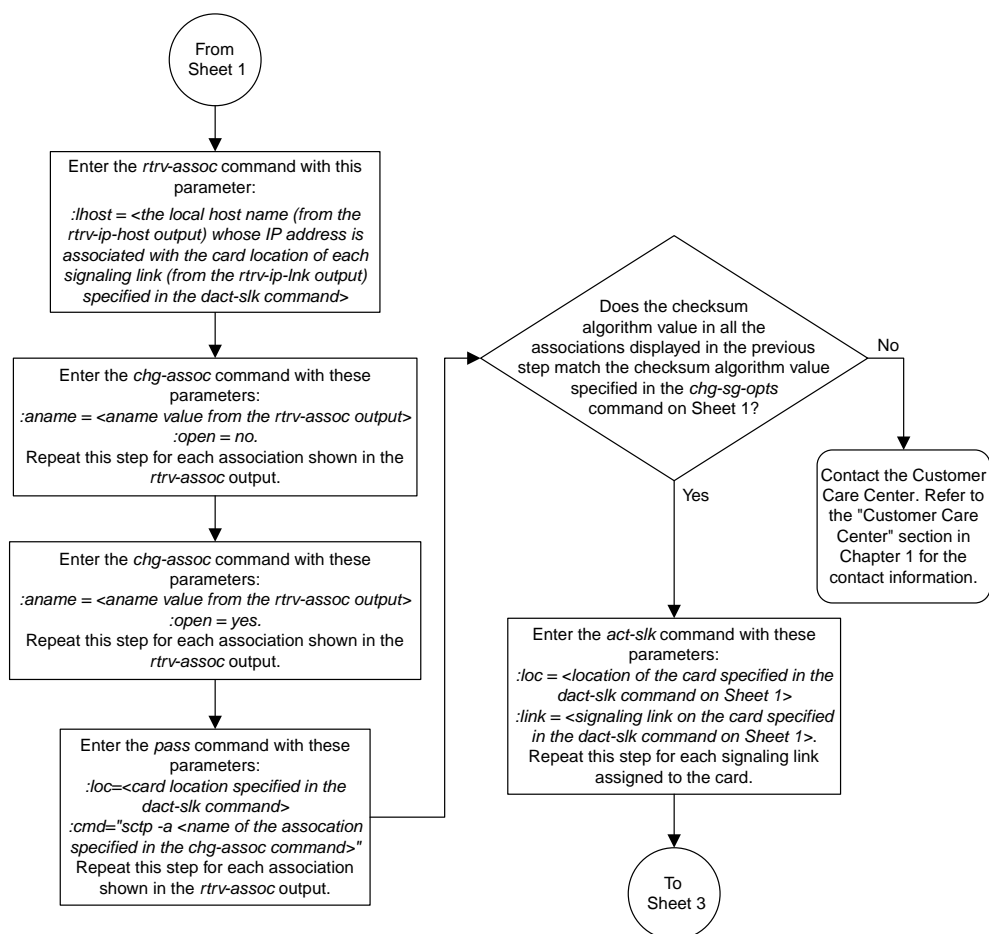
## Changing an M2PA Timer Set



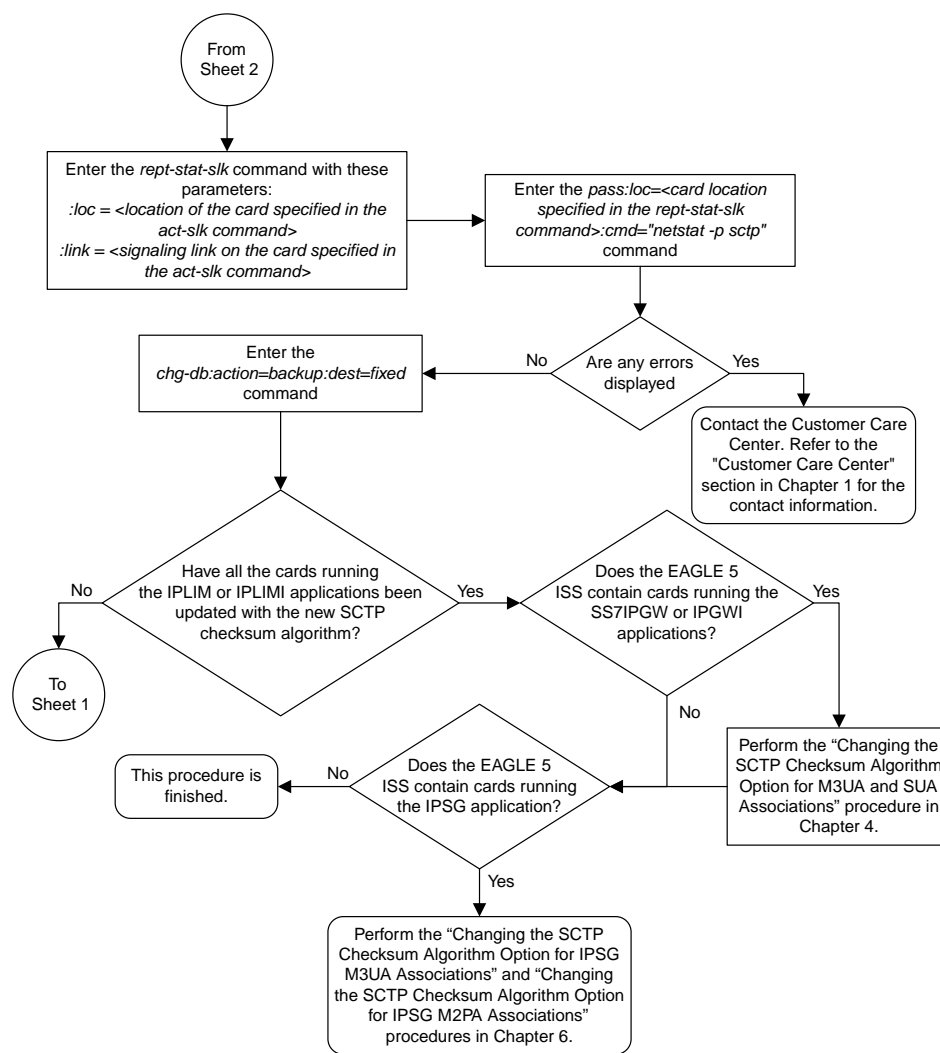
## Changing the SCTP Checksum Algorithm Option for M2PA Associations



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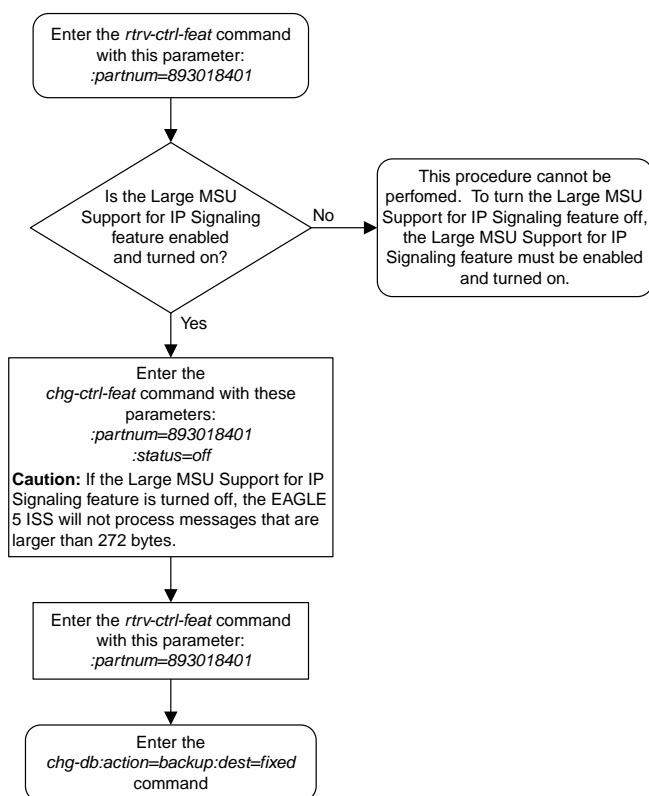


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## Turning the Large MSU Support for IP Signaling Feature Off



# Chapter 13

## IETF M3UA and SUA Configuration Flowcharts

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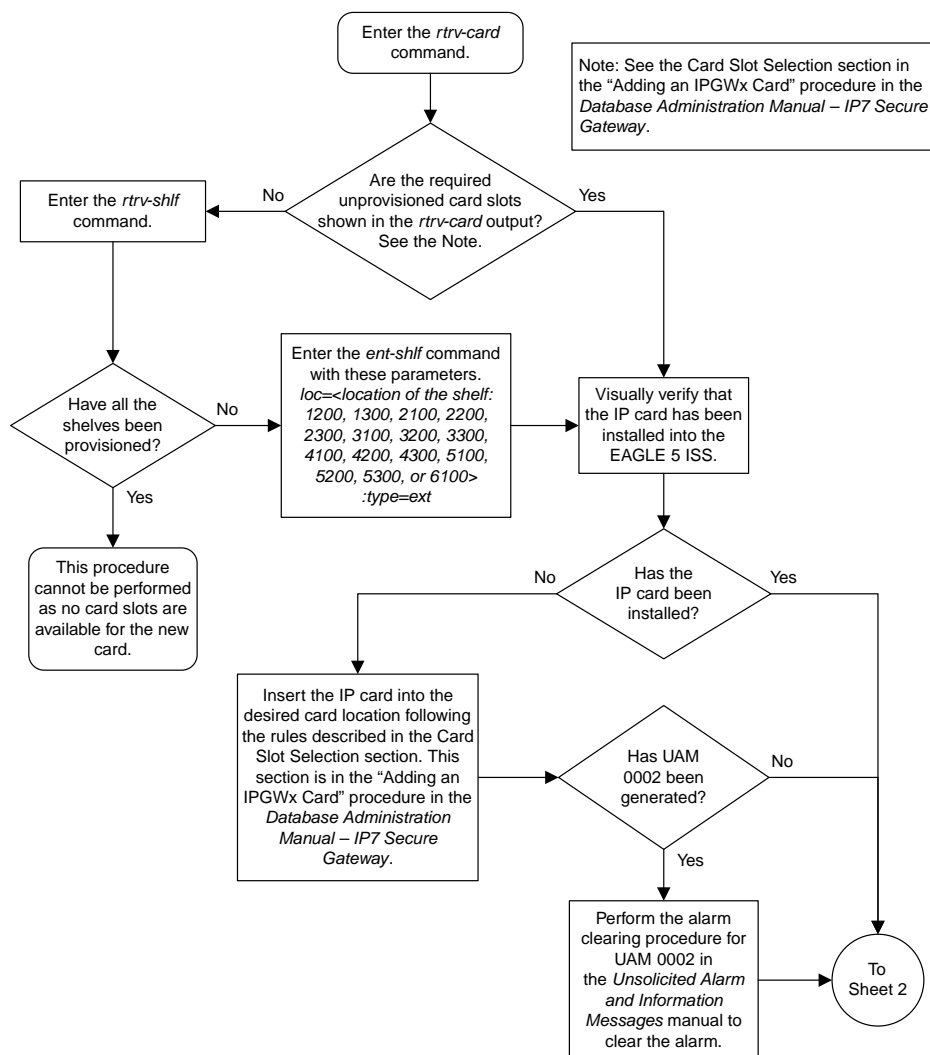
This chapter contains the flowcharts for the IETF M3UA and SUA configuration procedures located in the *Database Administration Manual - IP7 Secure Gateway*.

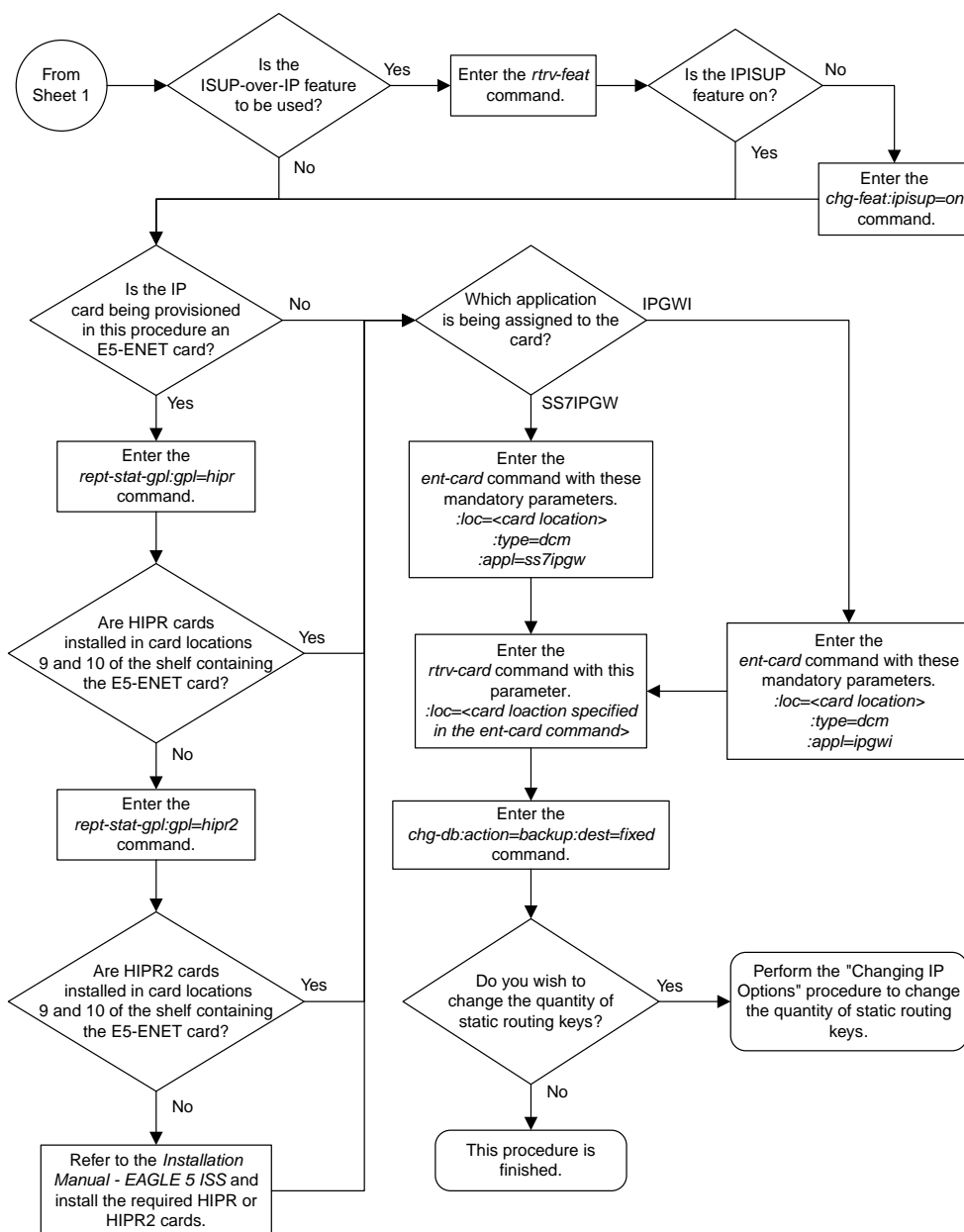
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## Adding an IPGWx Card

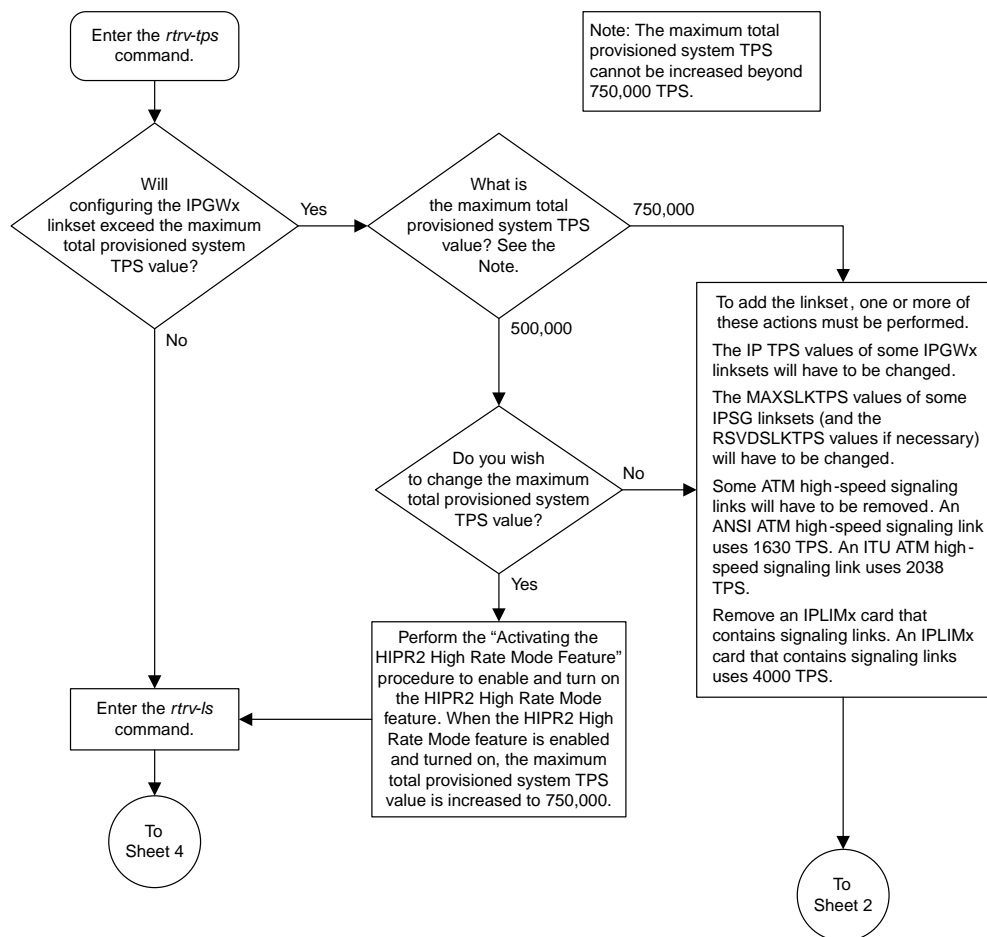
**Note:** Before executing this procedure, make sure you have purchased the ISUP-over-IP feature. If you are not sure whether you have purchased the ISUP-over-IP feature, contact your Tekelec Sales Representative or Account Representative.

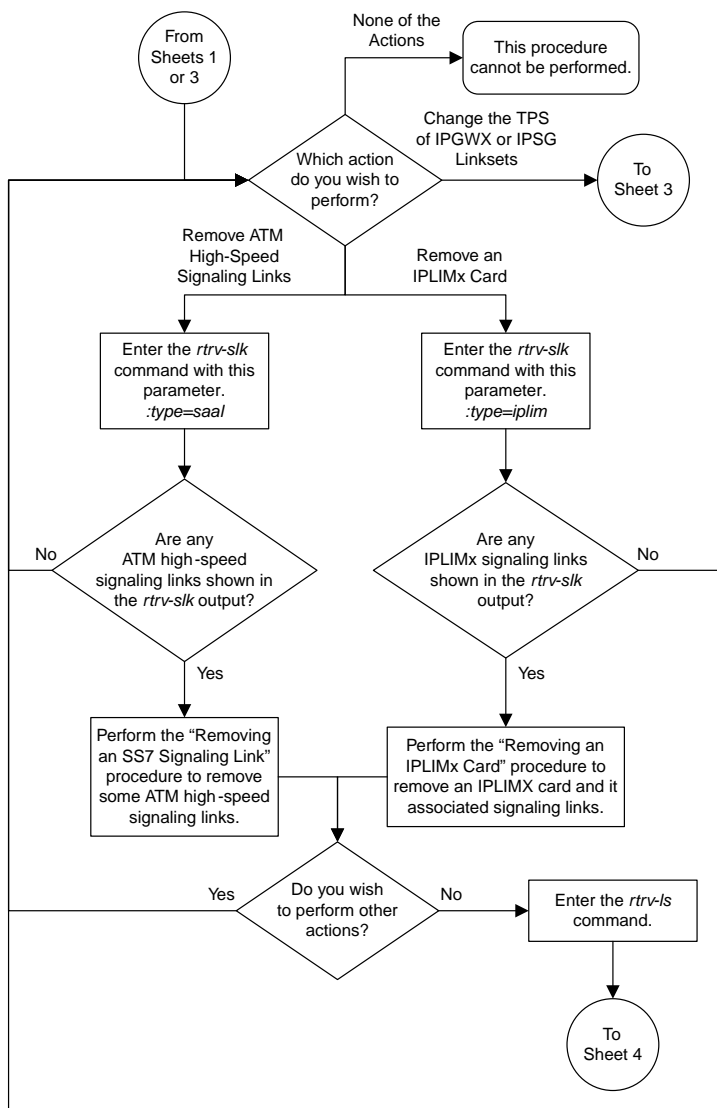




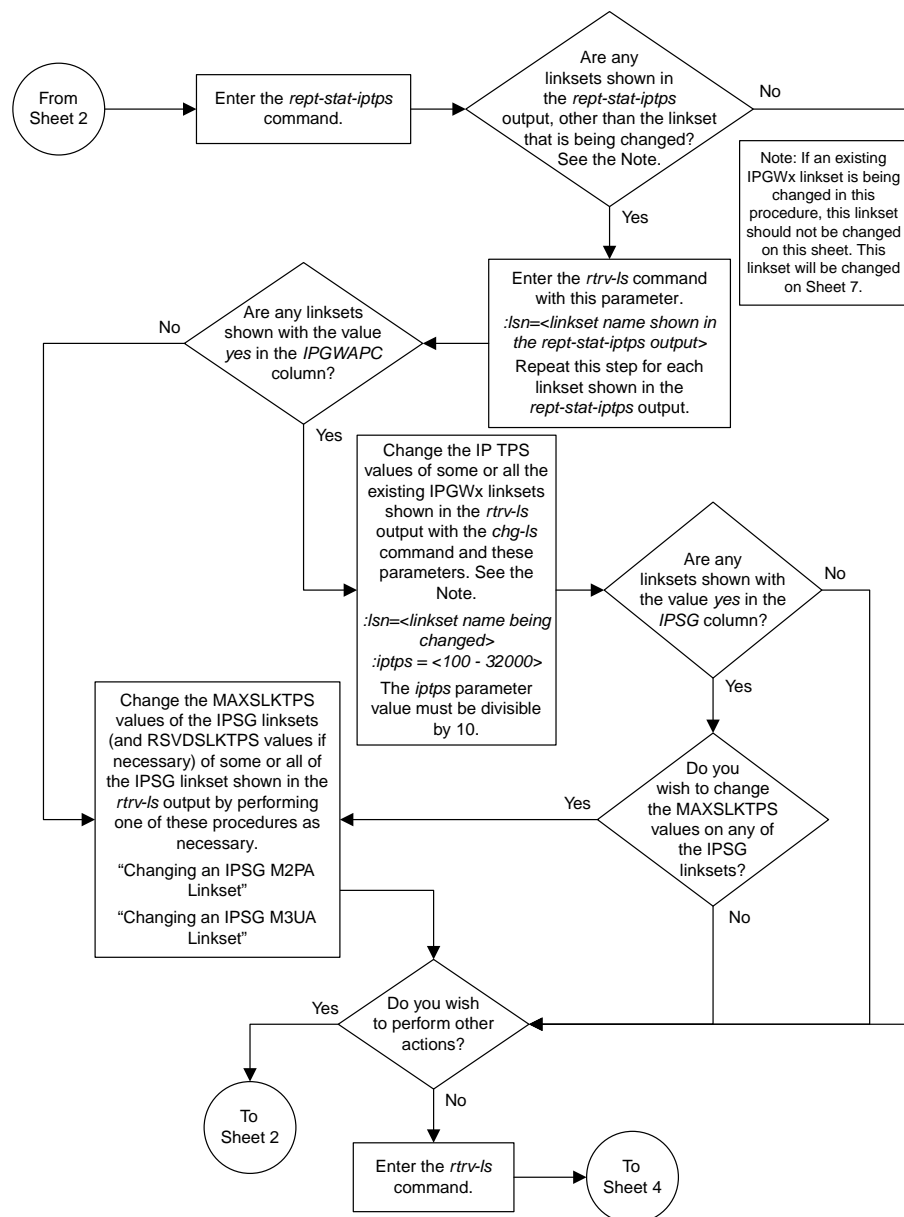
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## Configuring an IPGWx Linkset

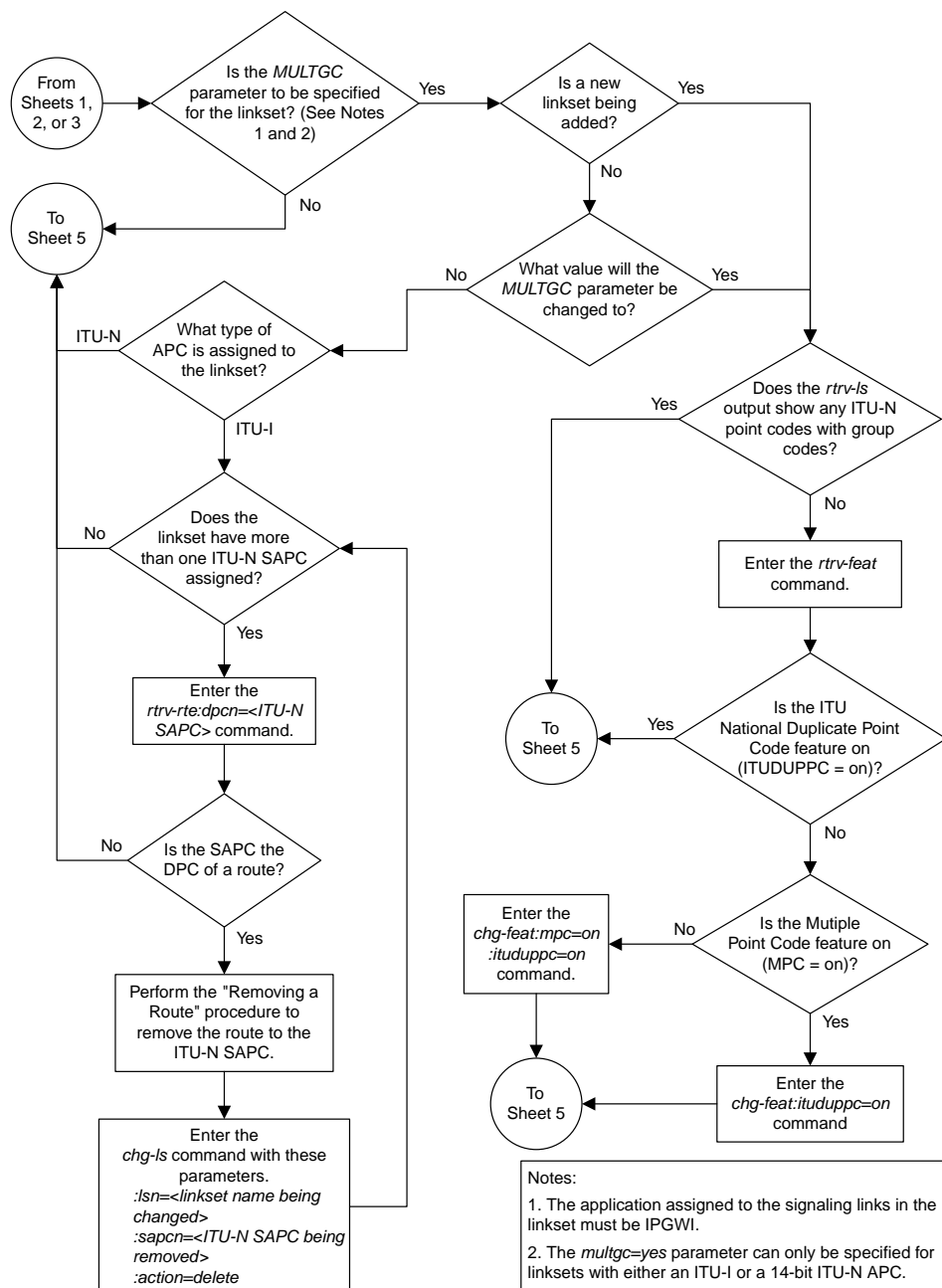




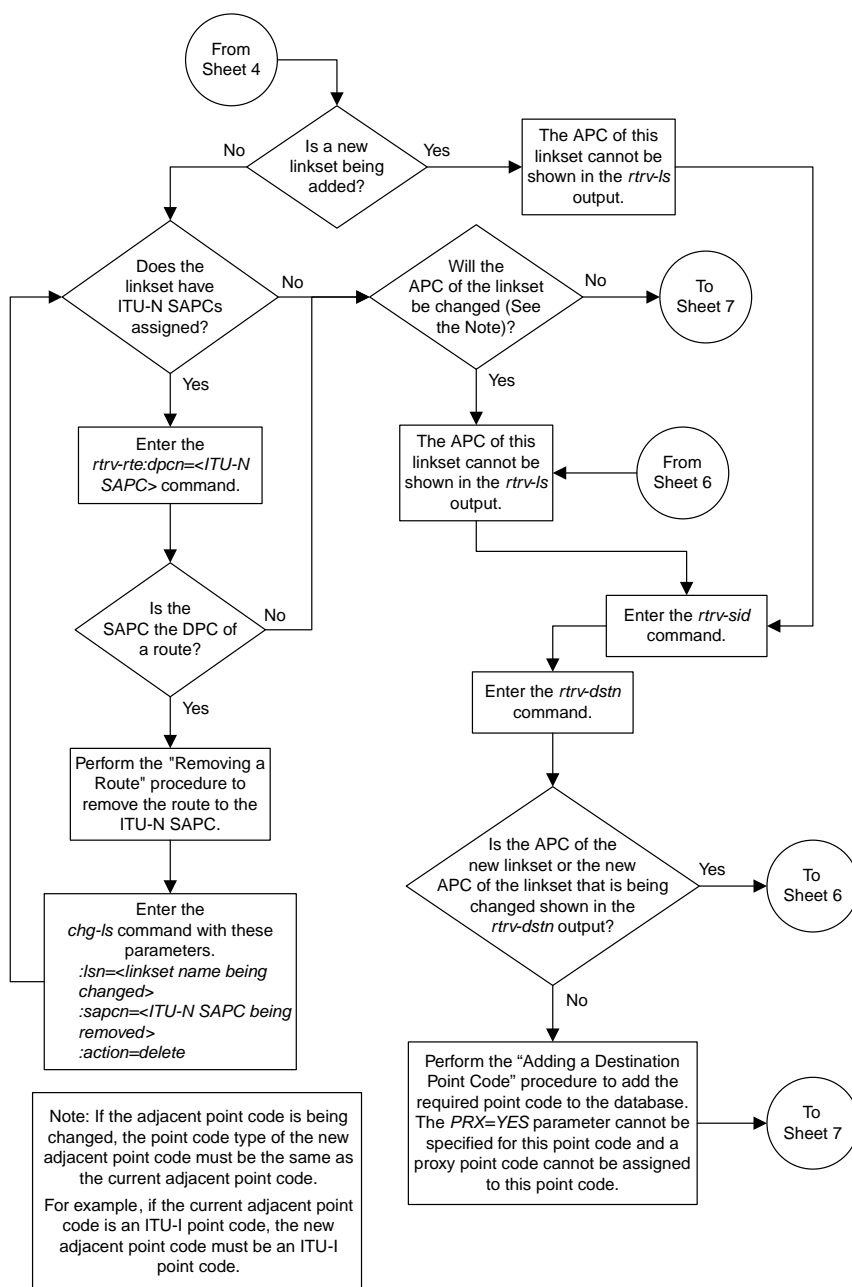
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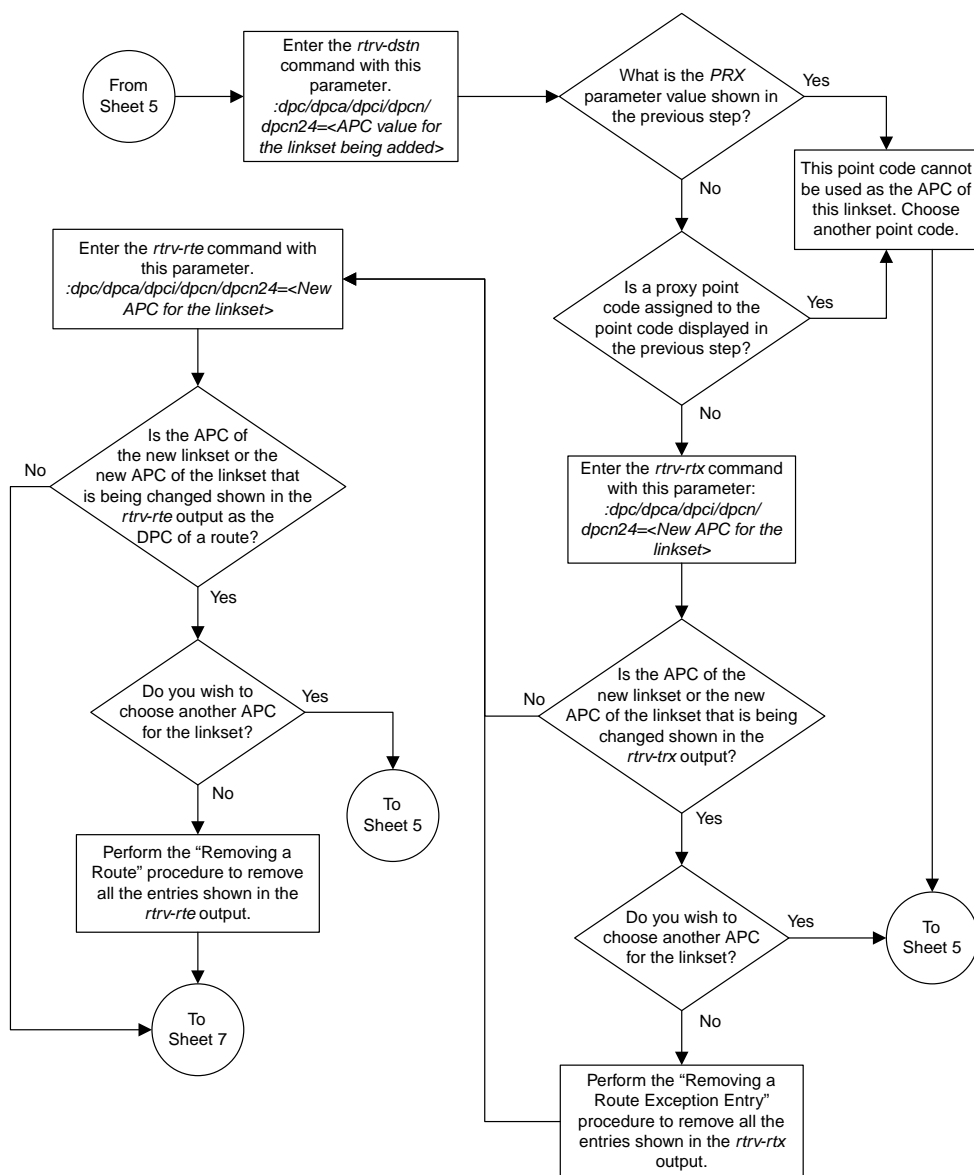
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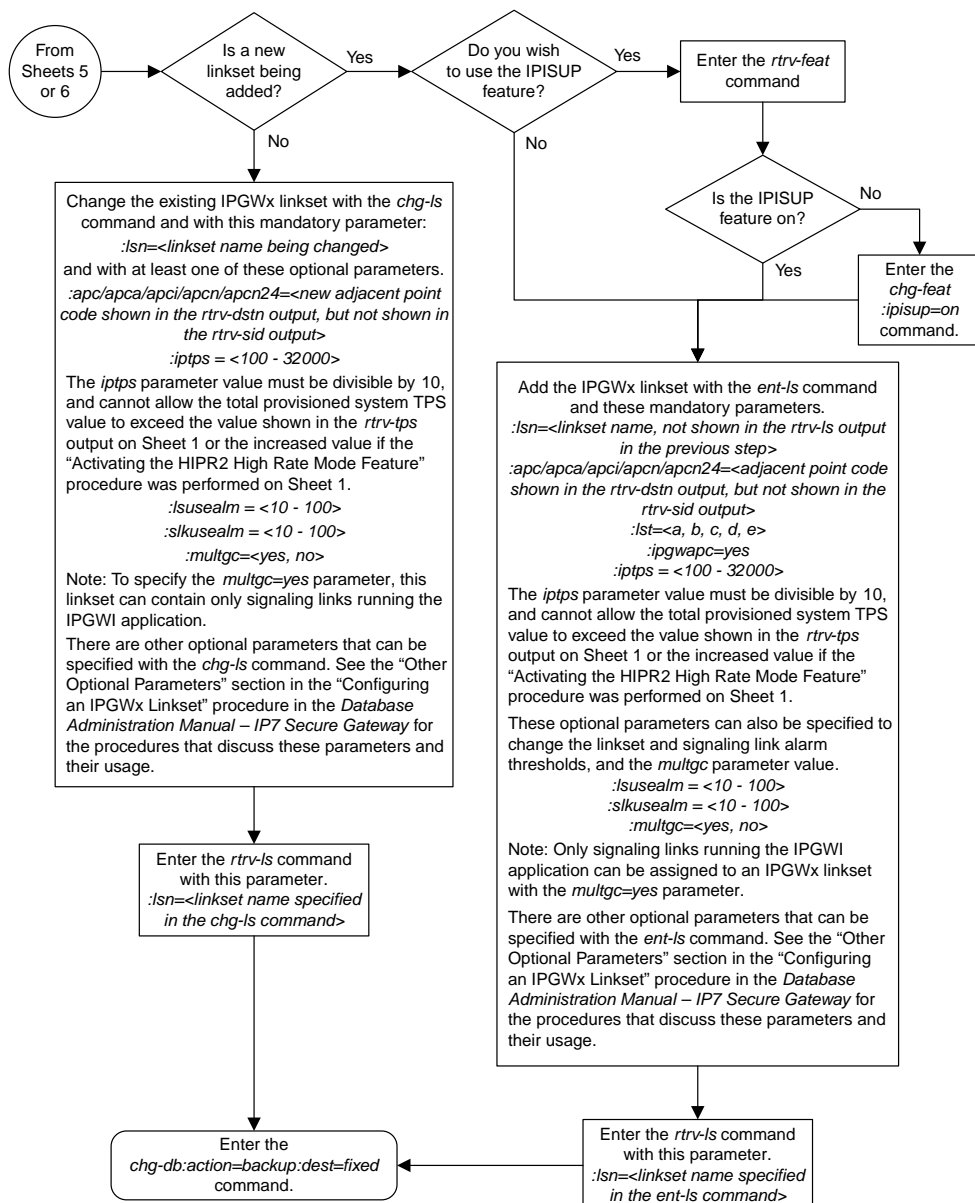


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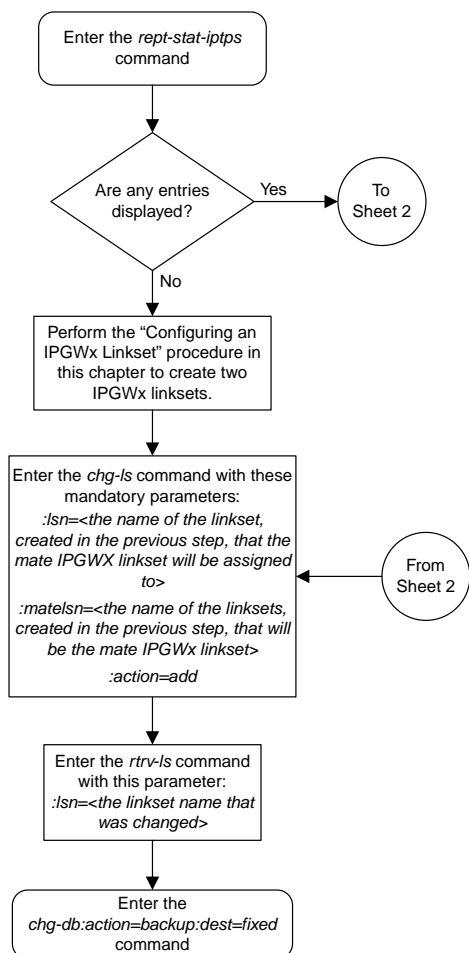


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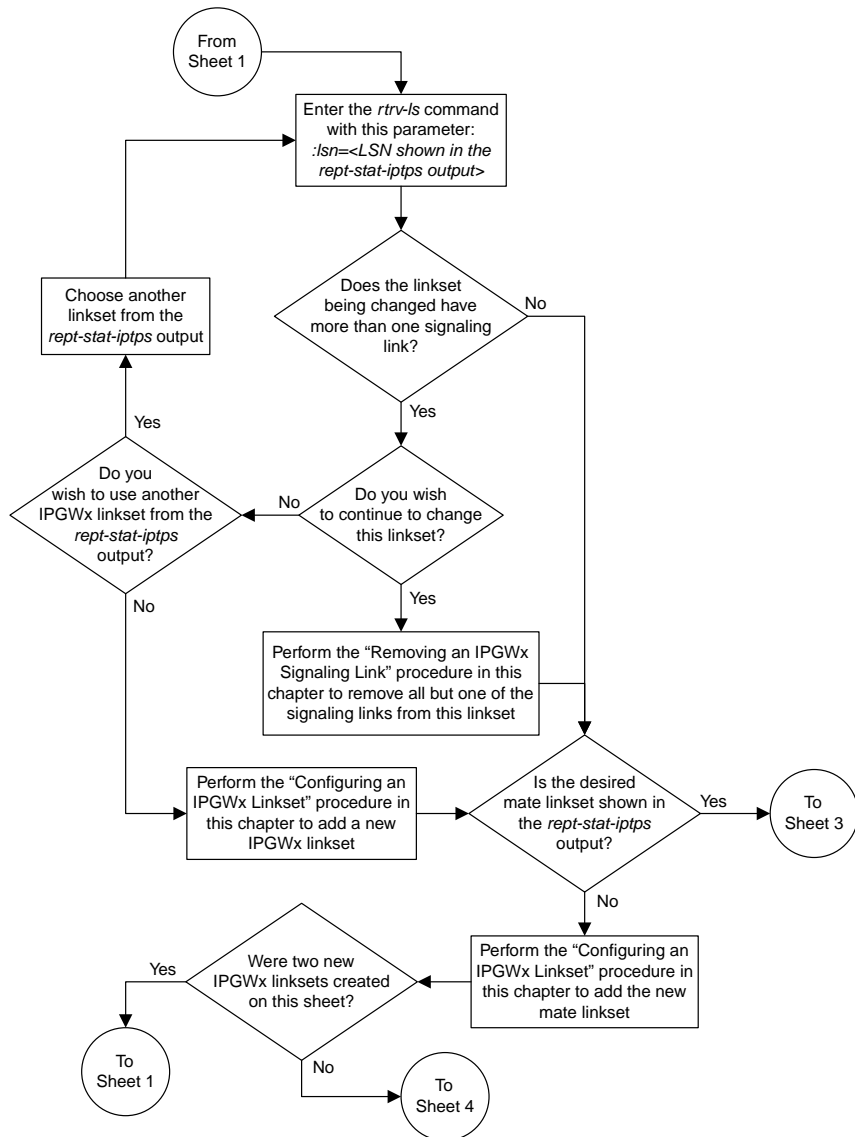




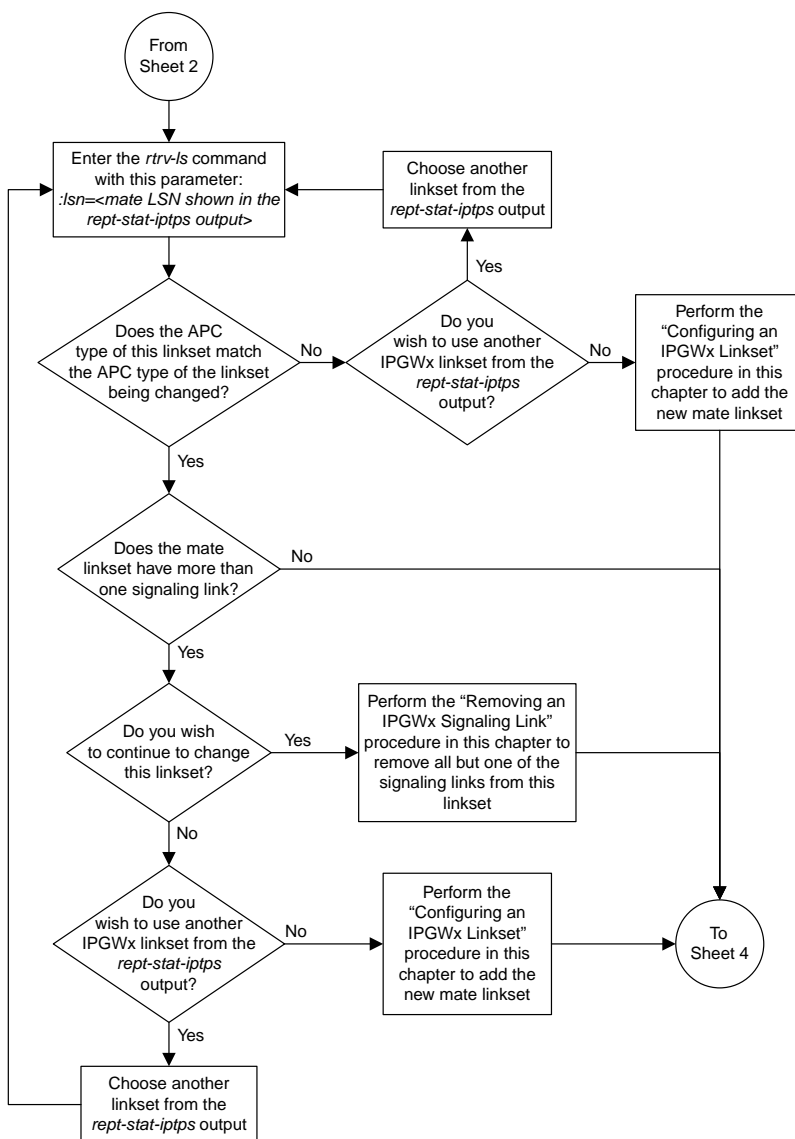
## Adding a Mate IPGWx Linkset to another IPGWx Linkset

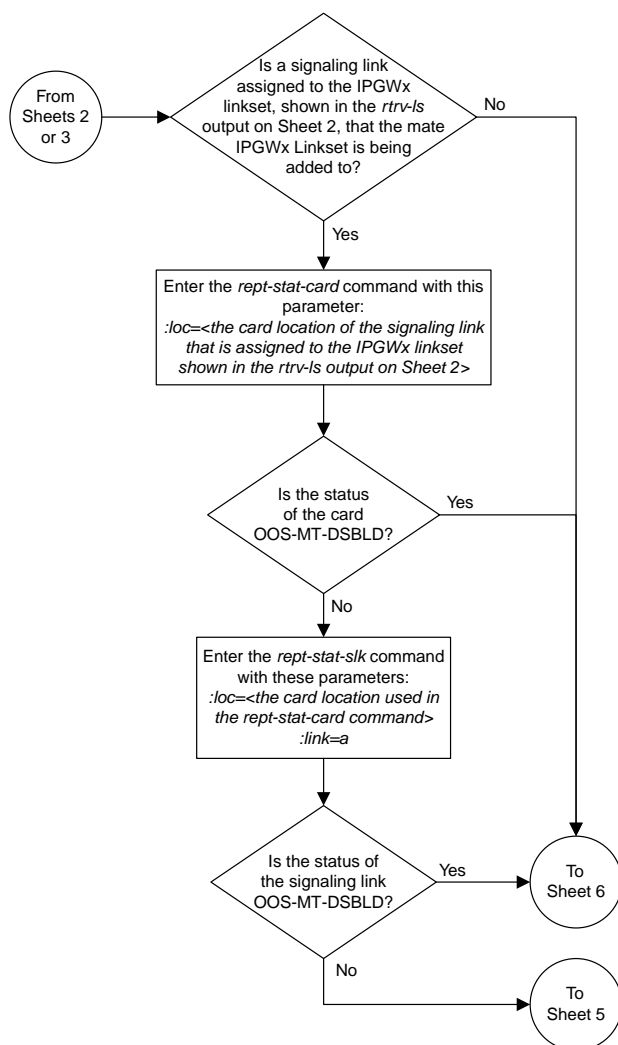


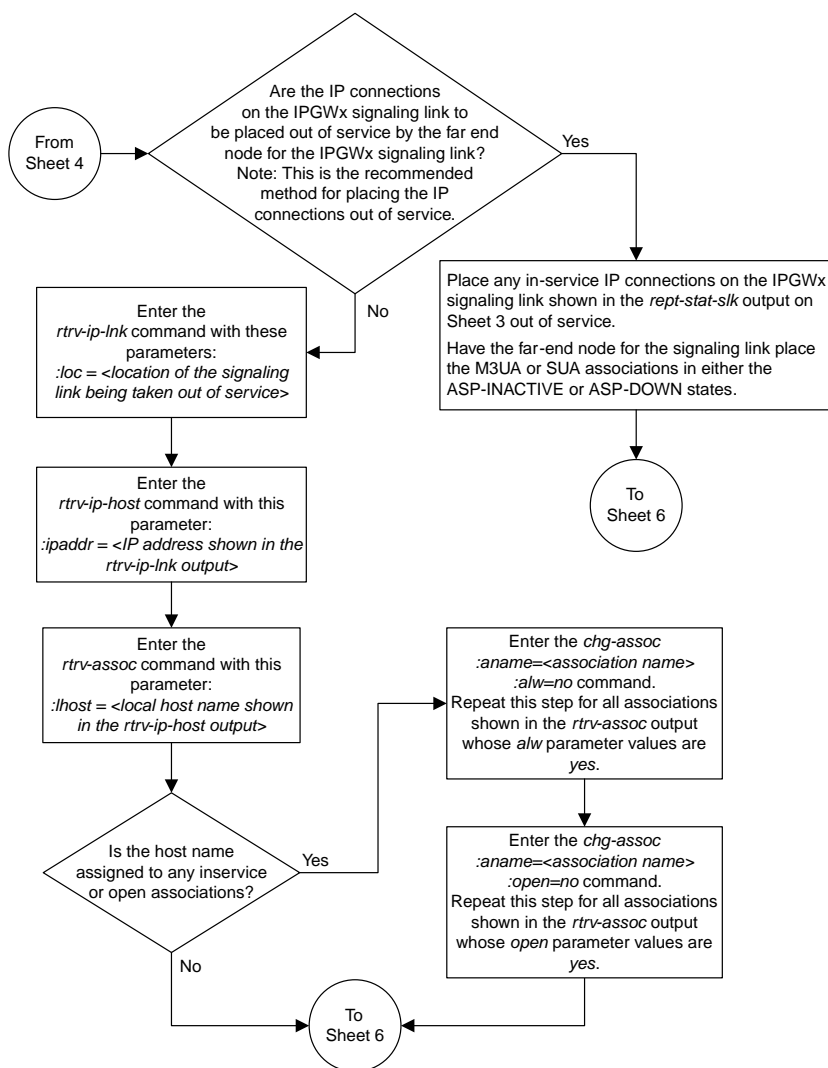
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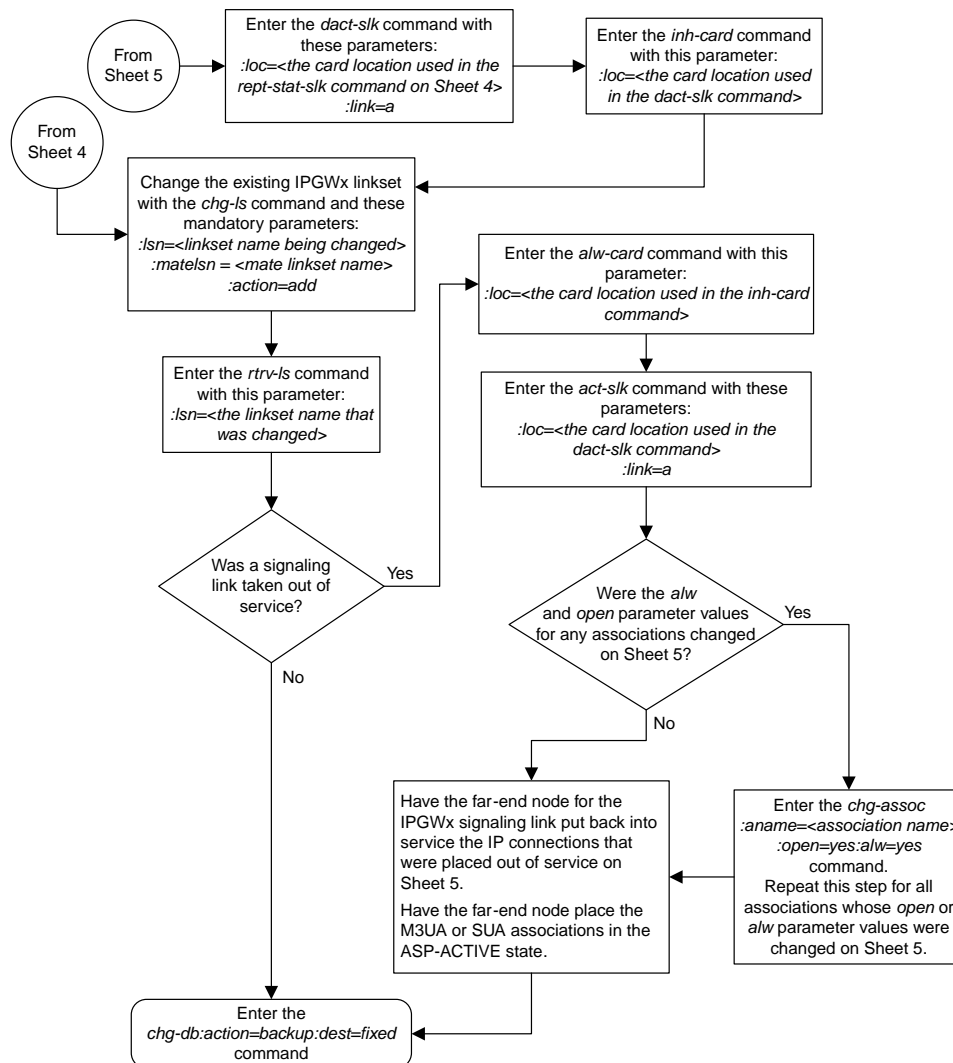
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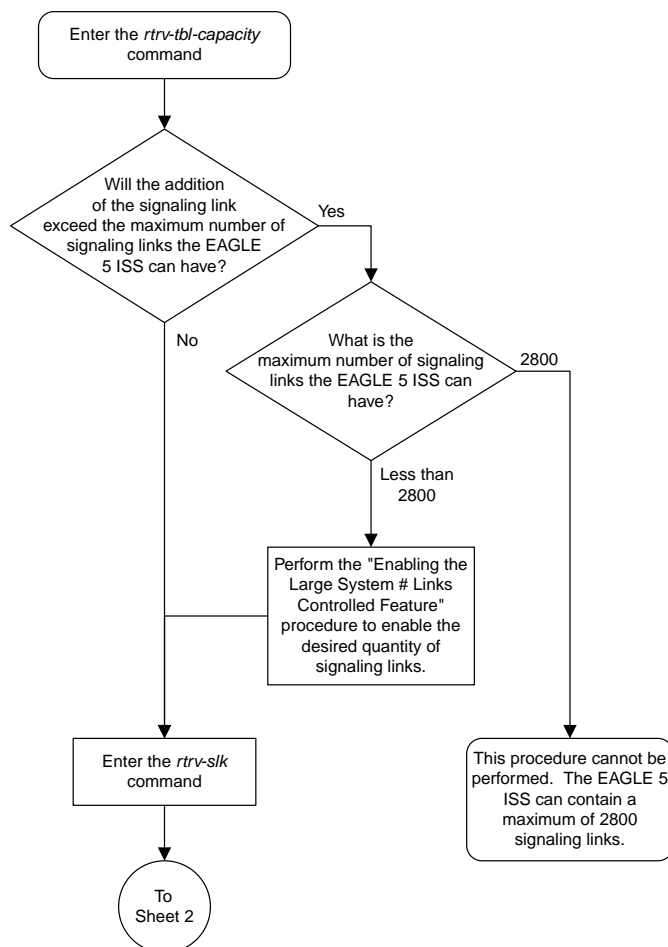


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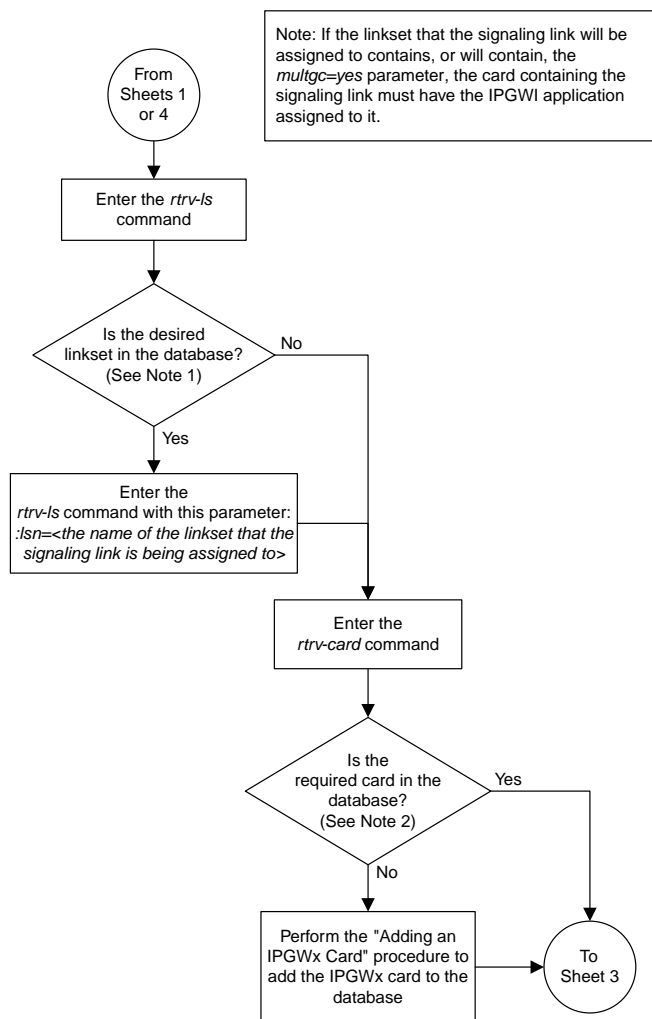


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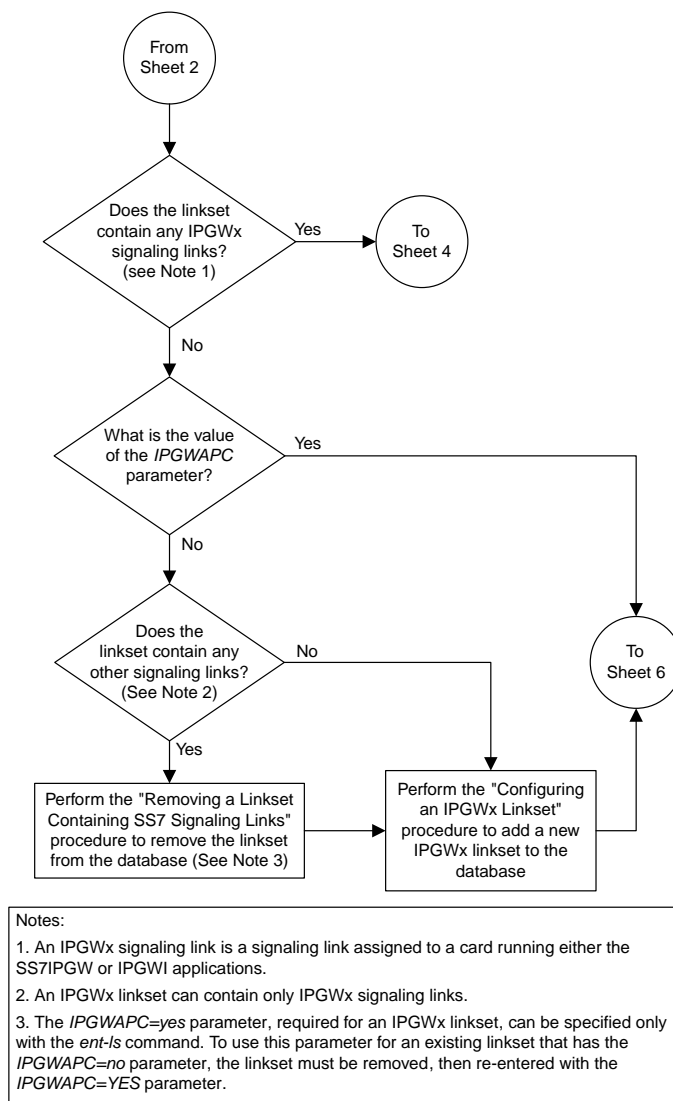
## Adding an IPGWx Signaling Link



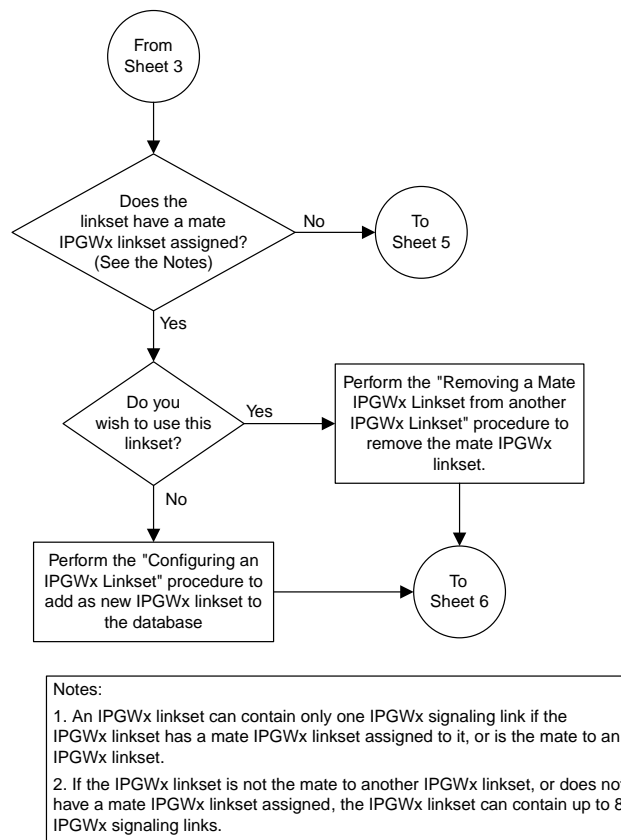




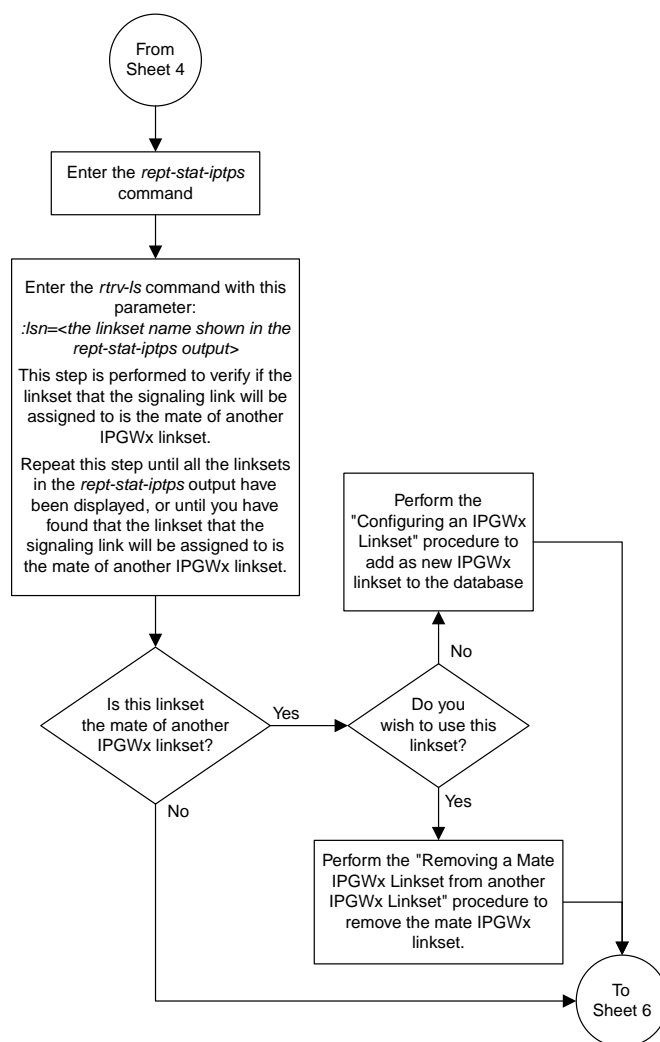
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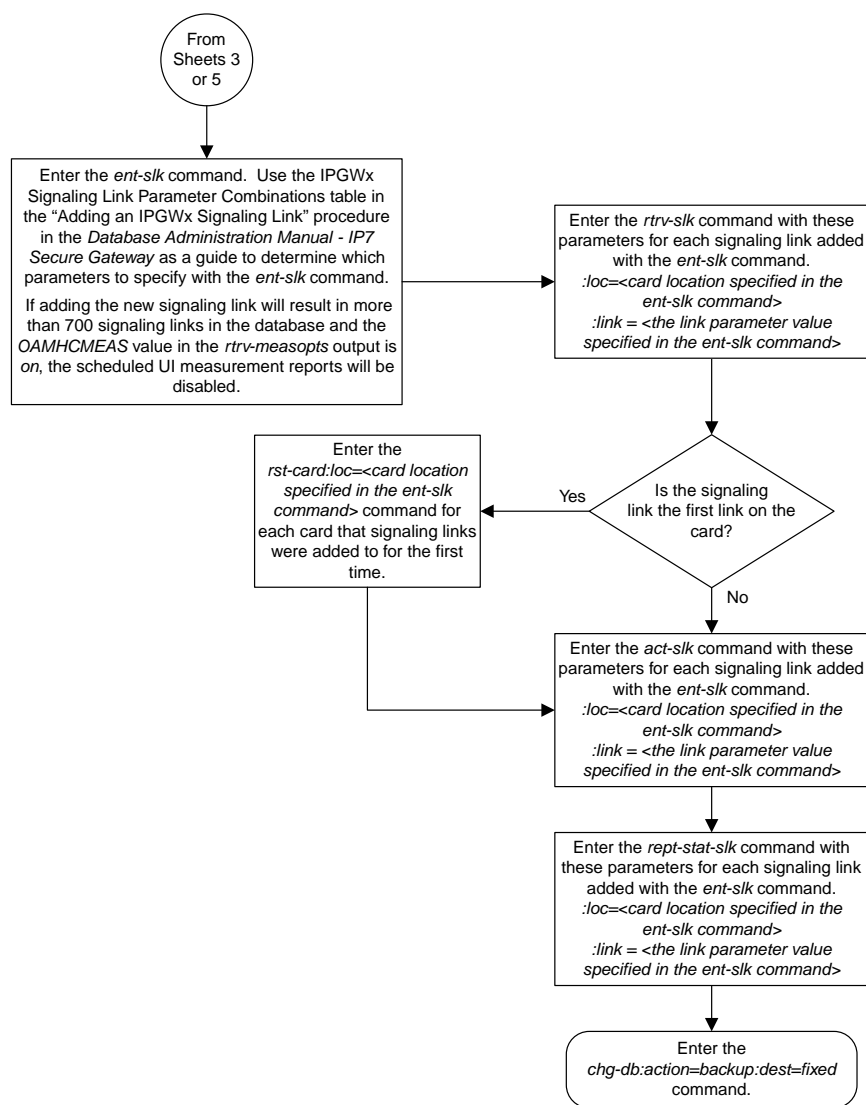
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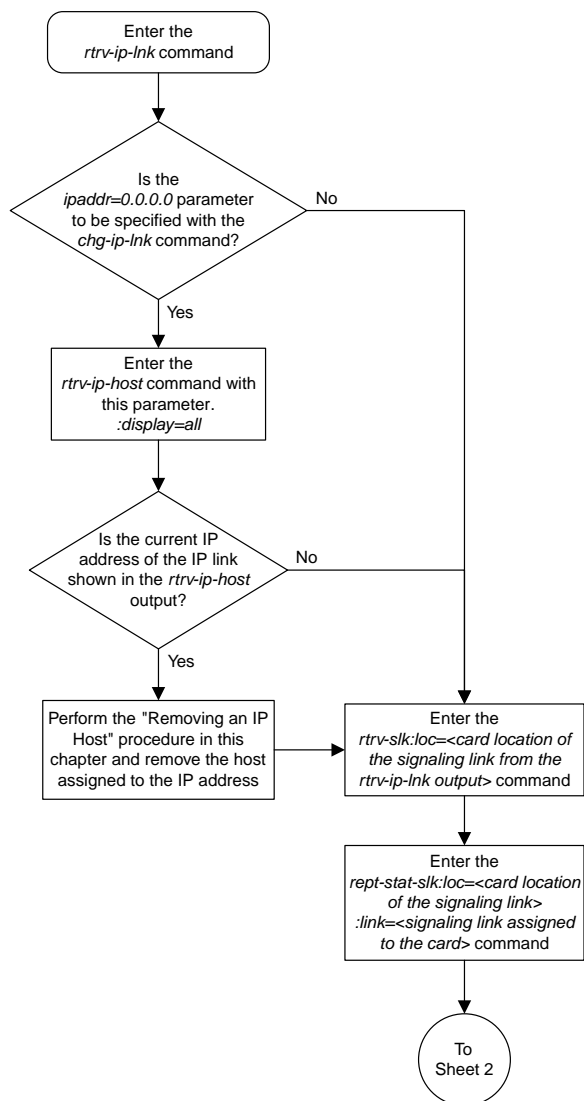
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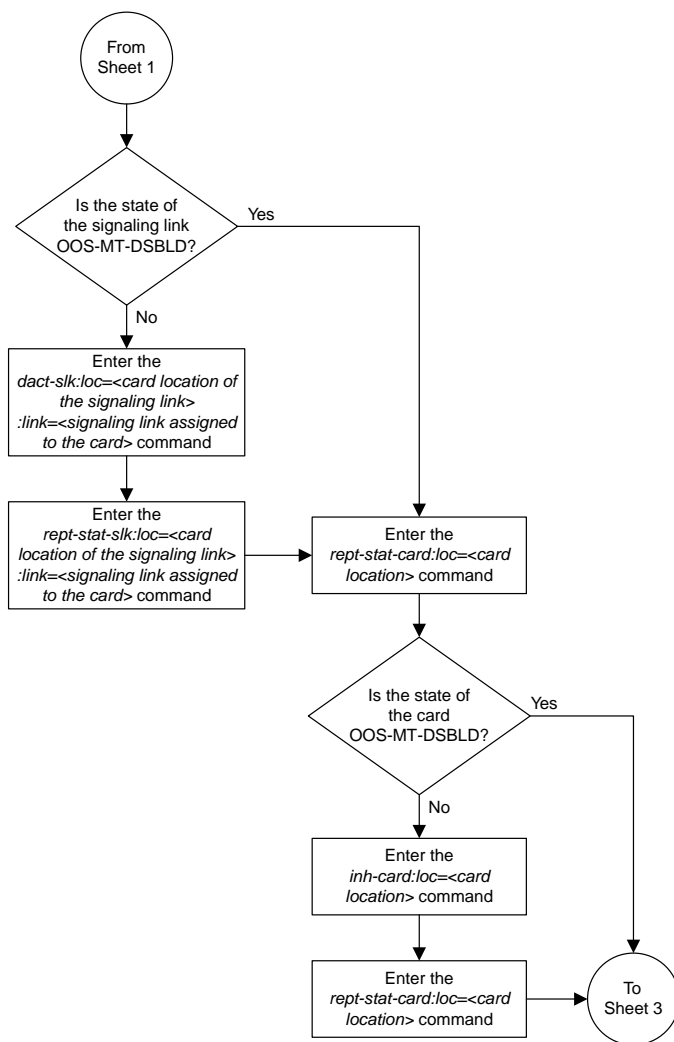


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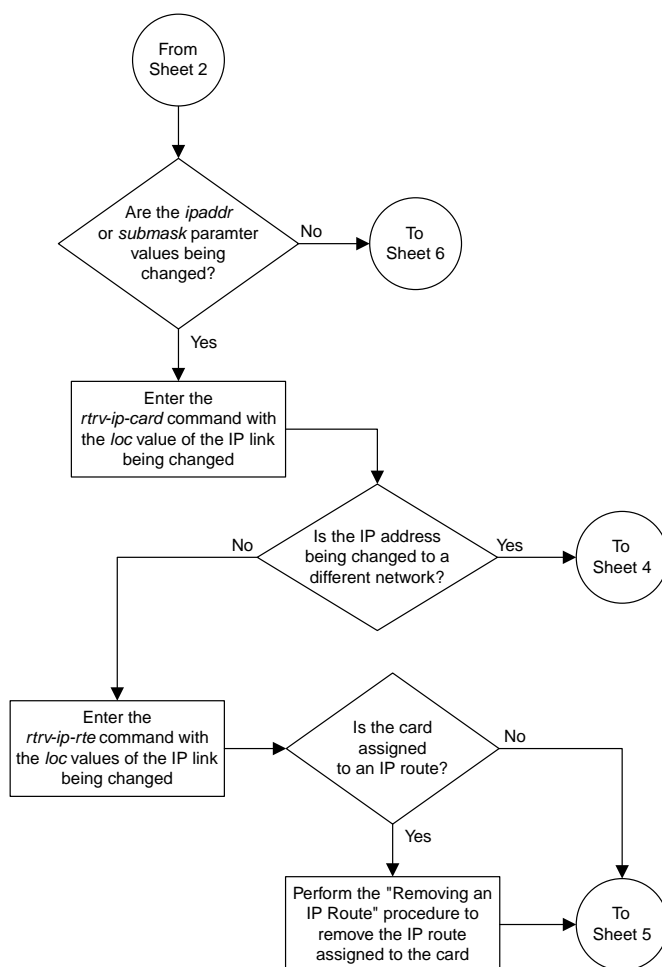


## Configuring an IP Link



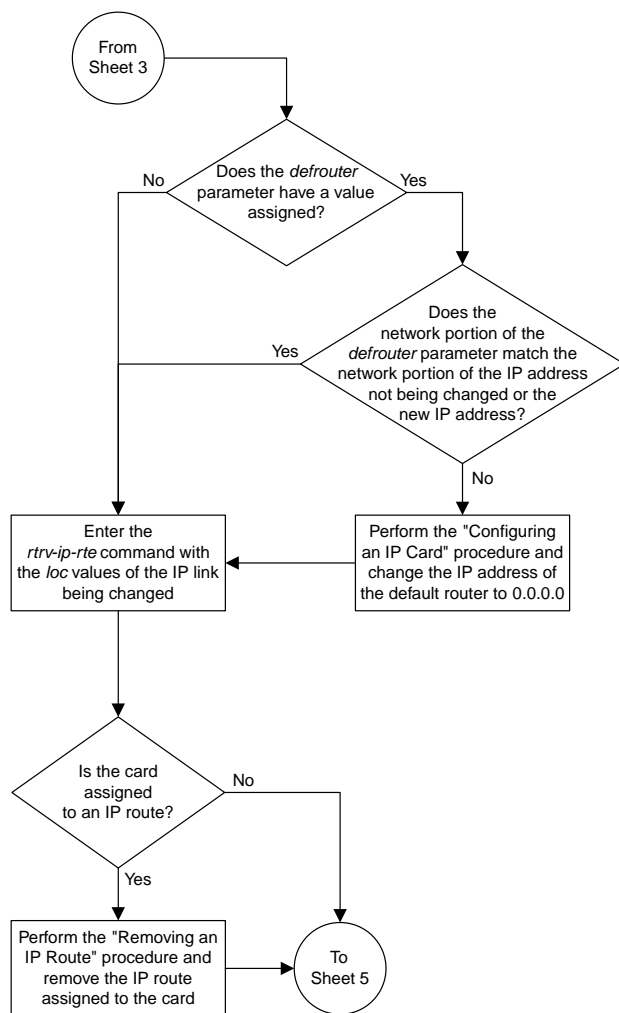


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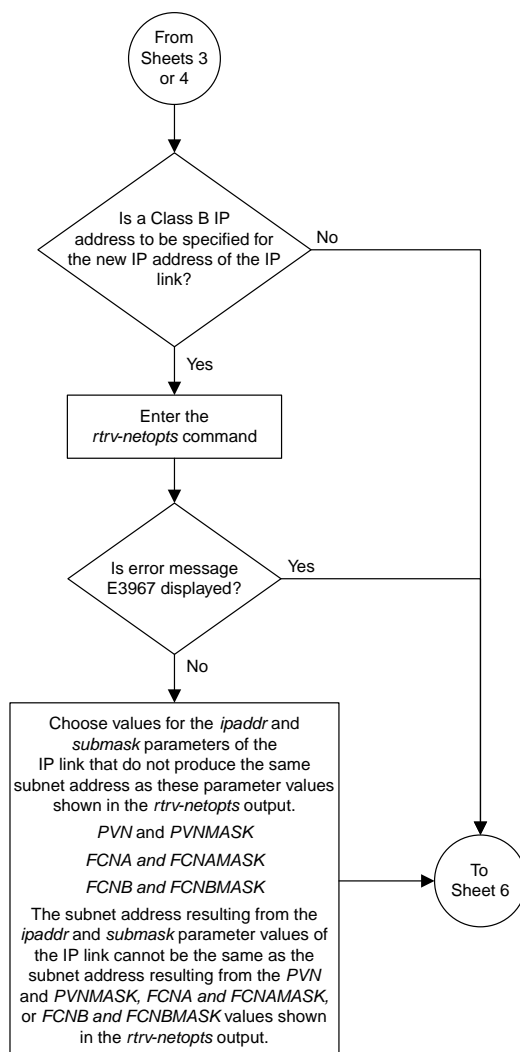


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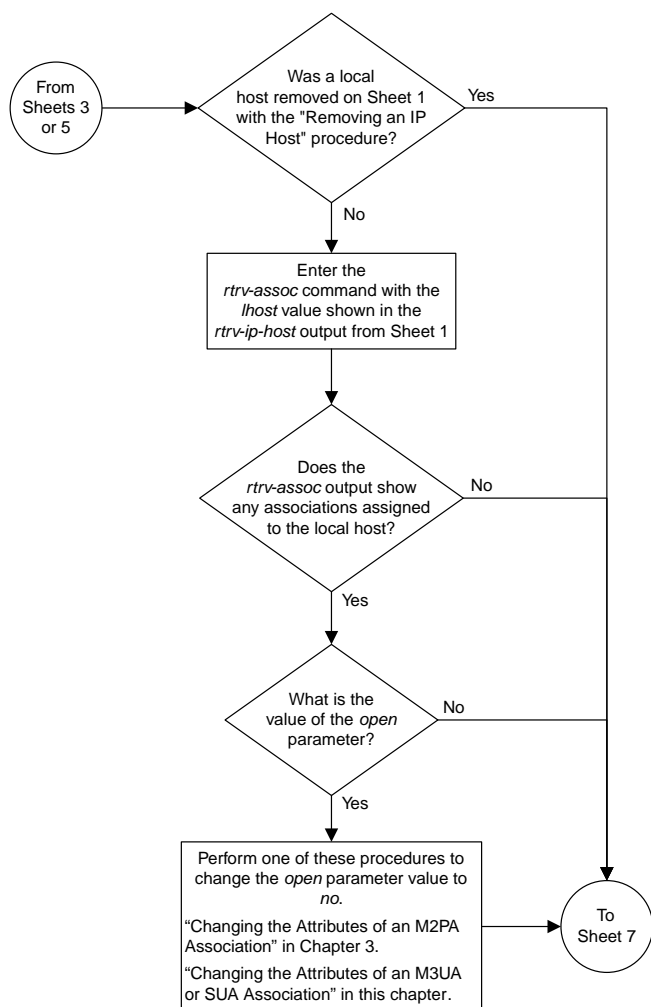


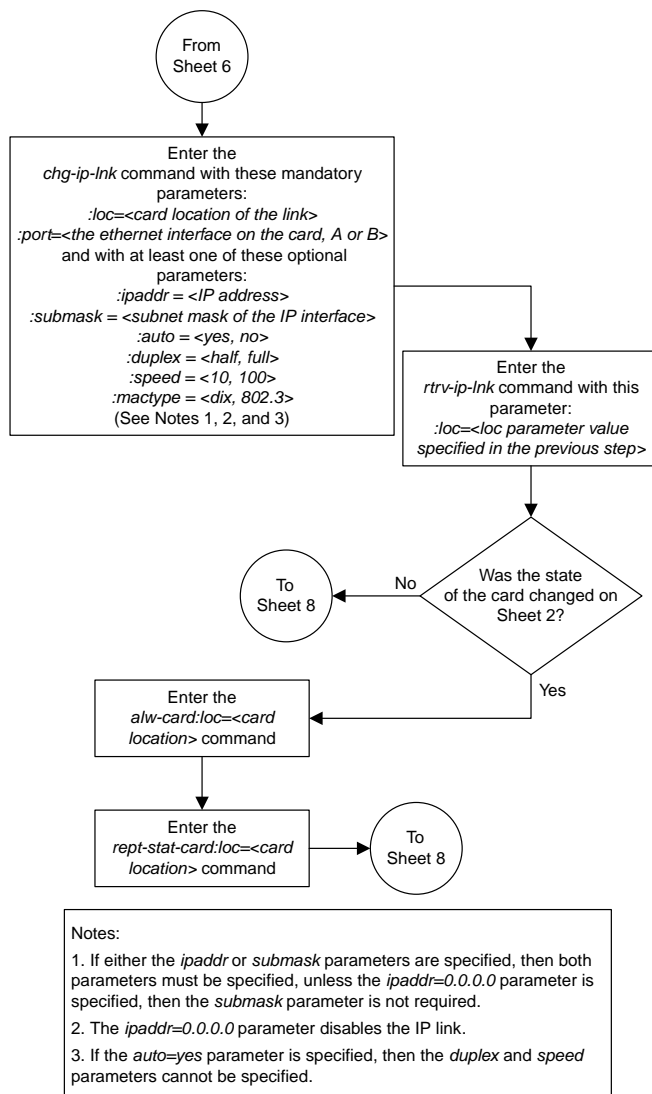


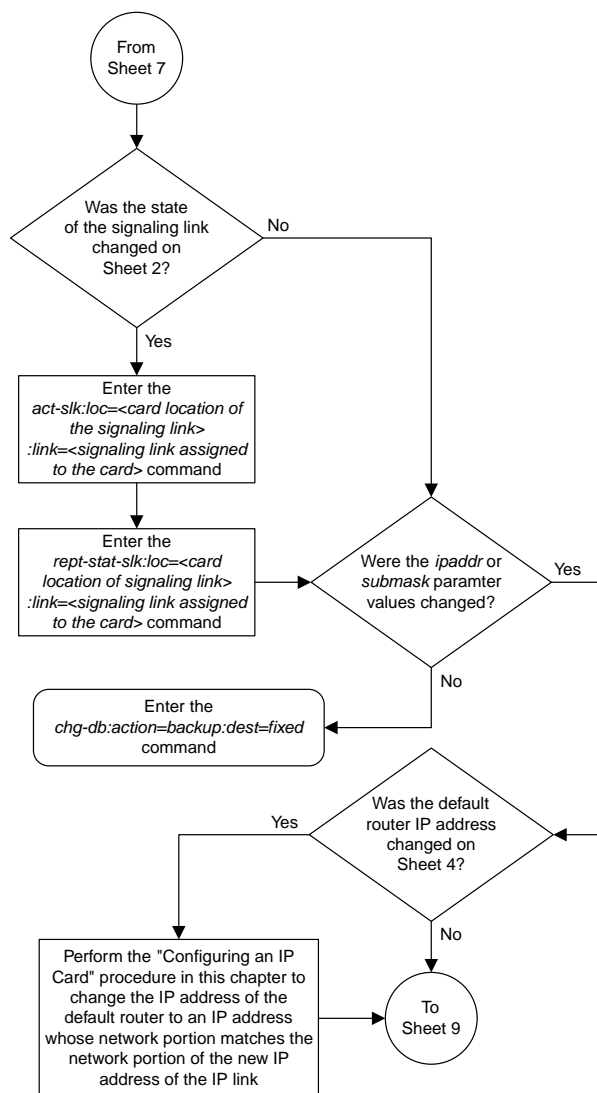
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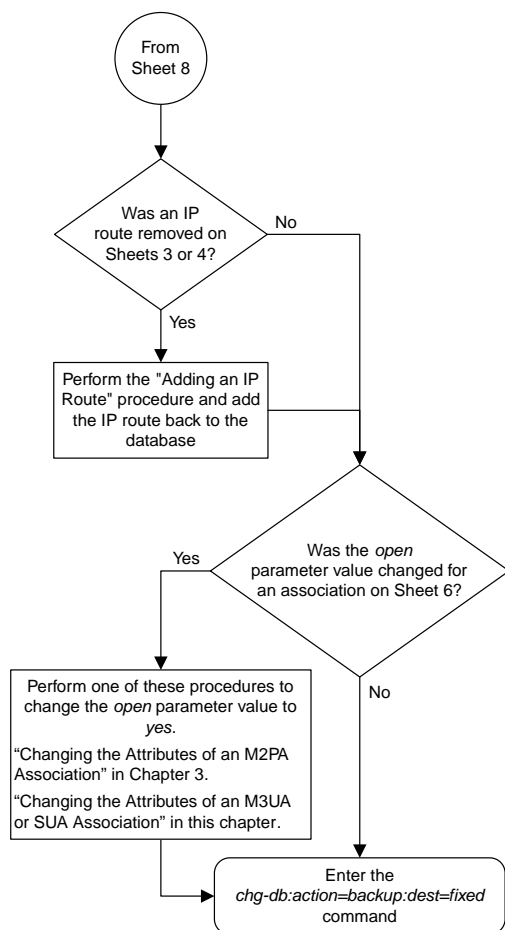
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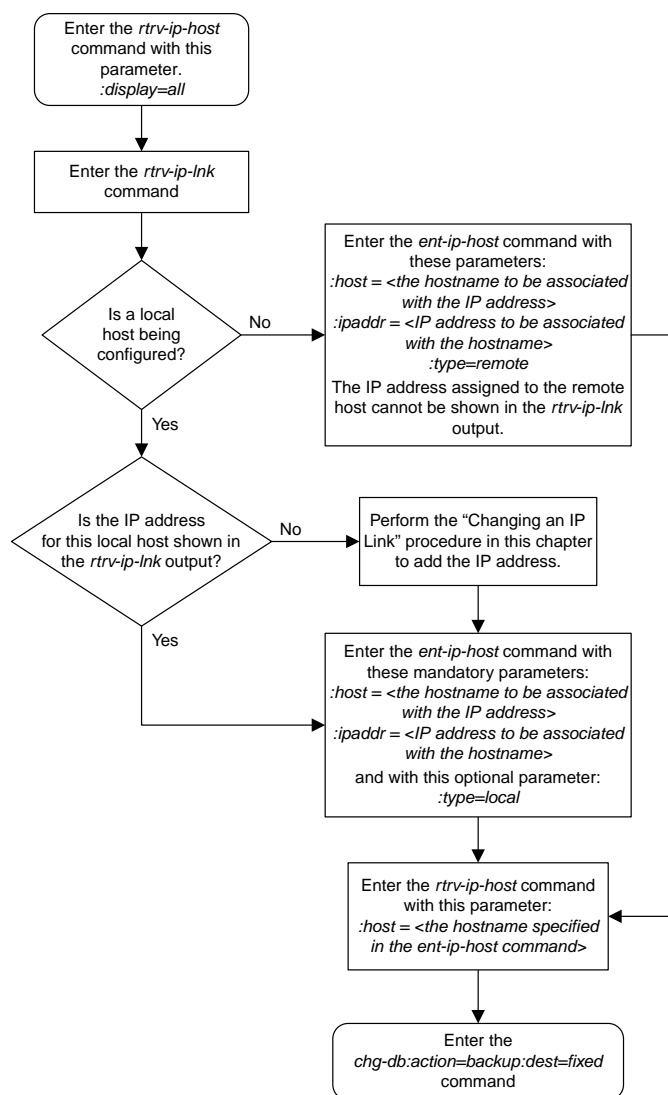


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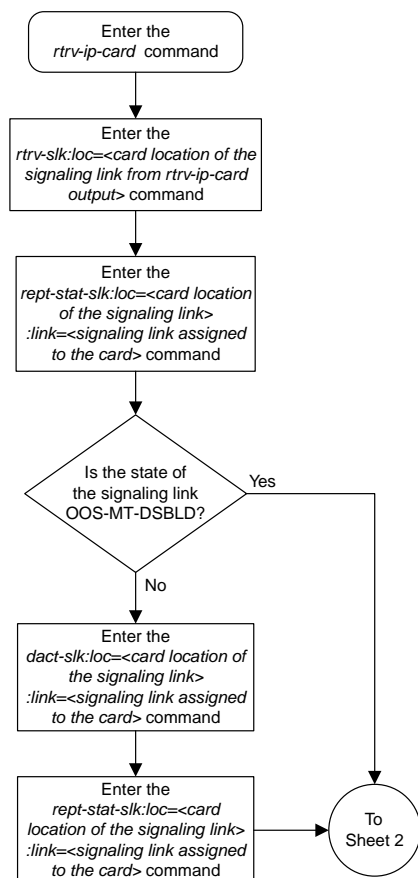


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## Adding an IP Host

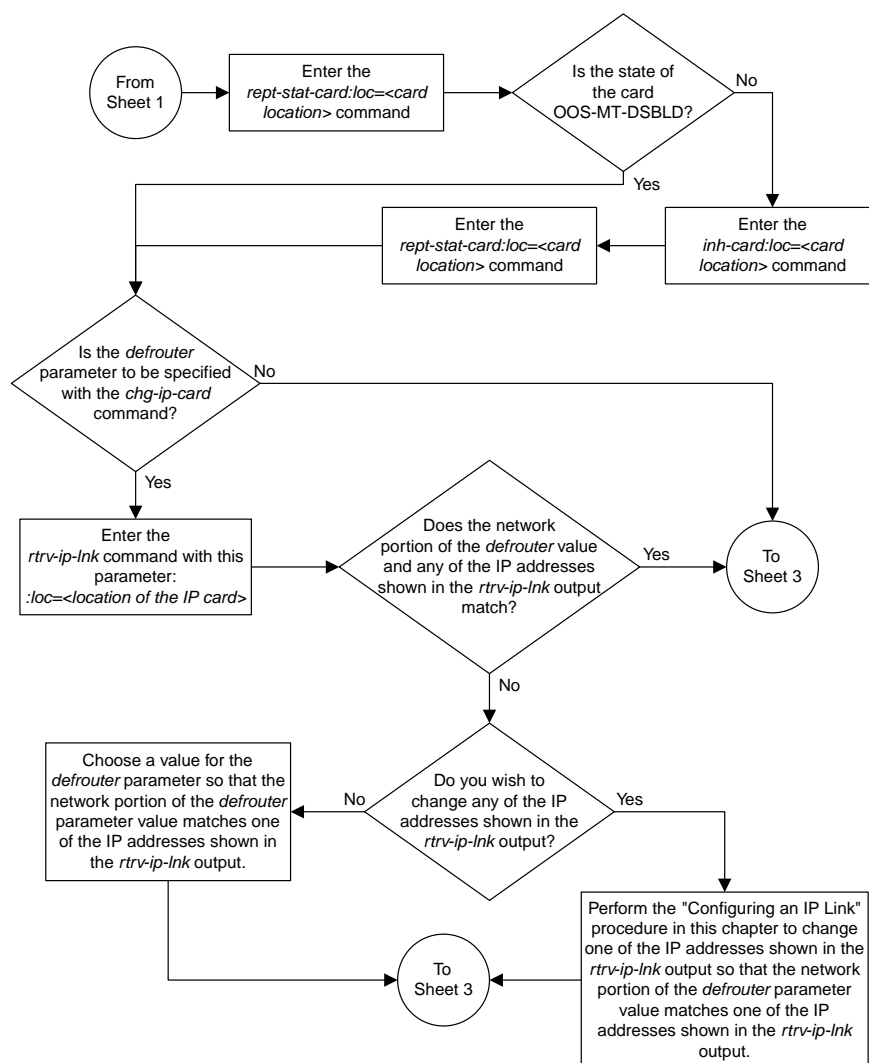


## Configuring an IP Card

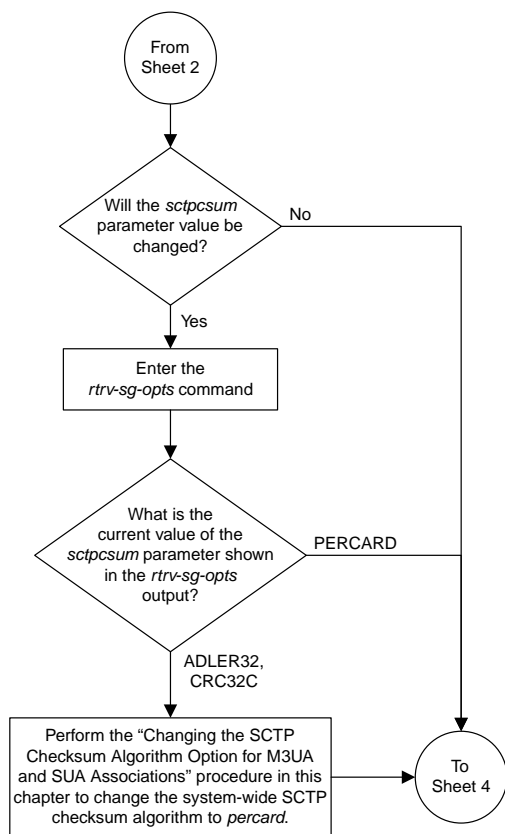


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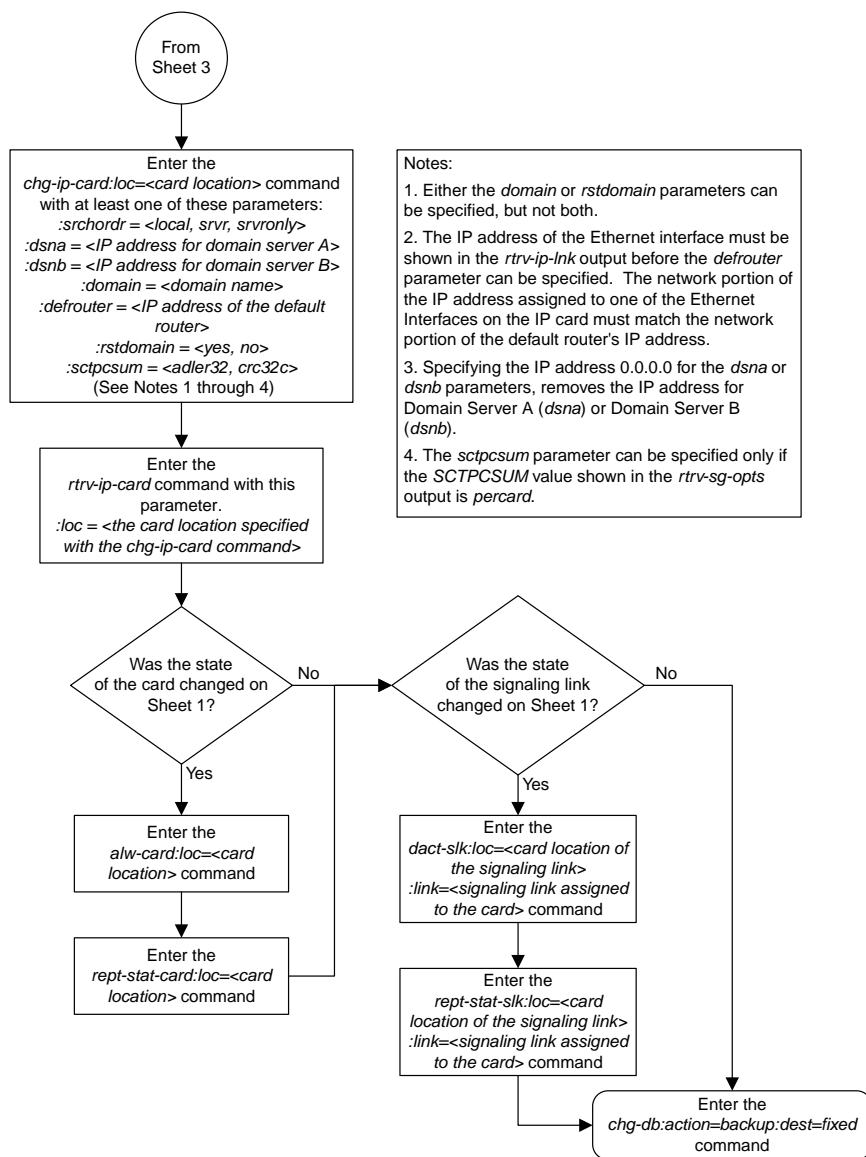




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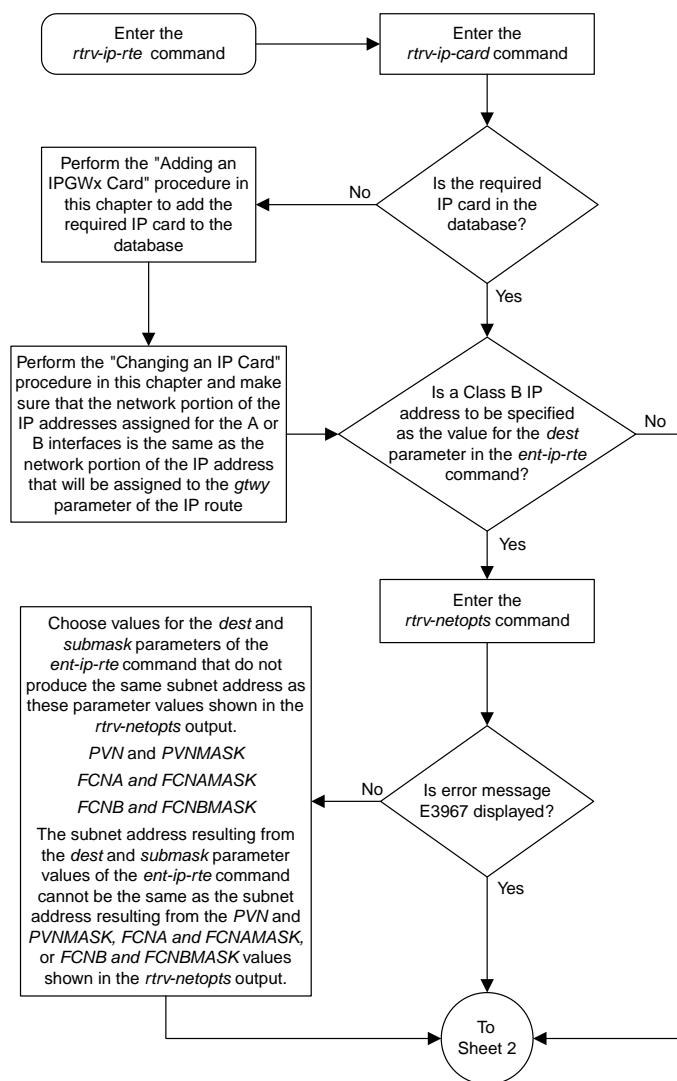


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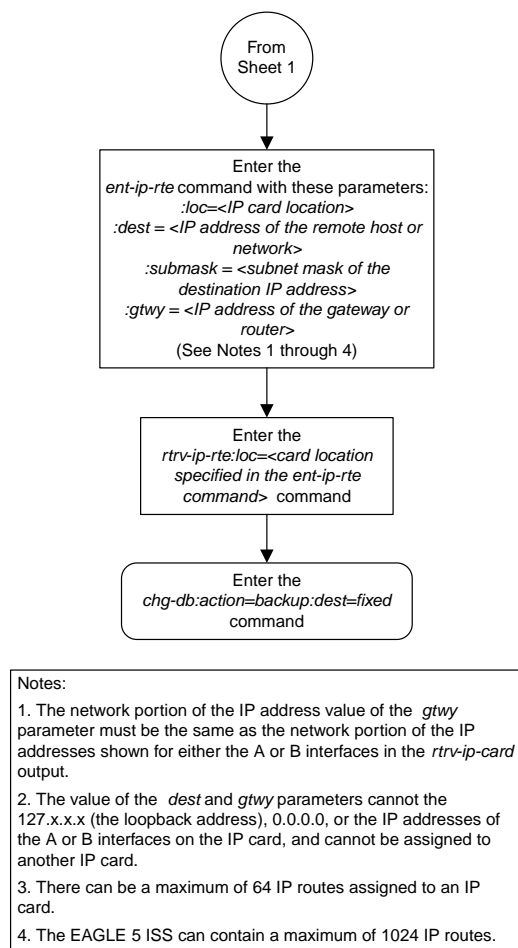


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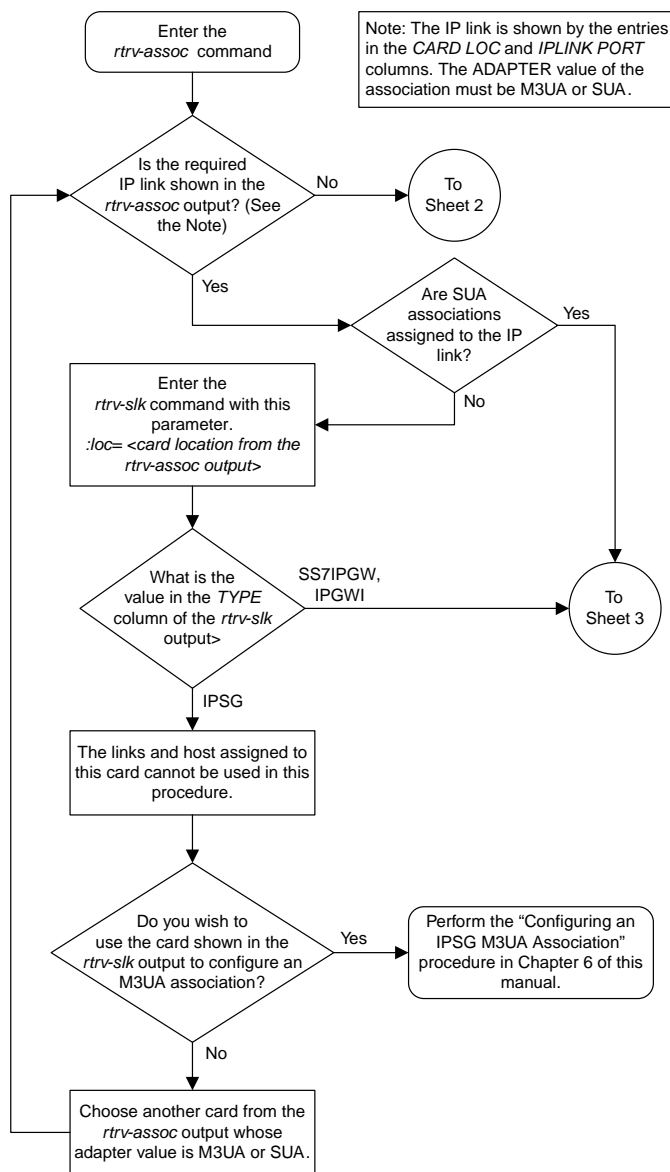
## Adding an IP Route

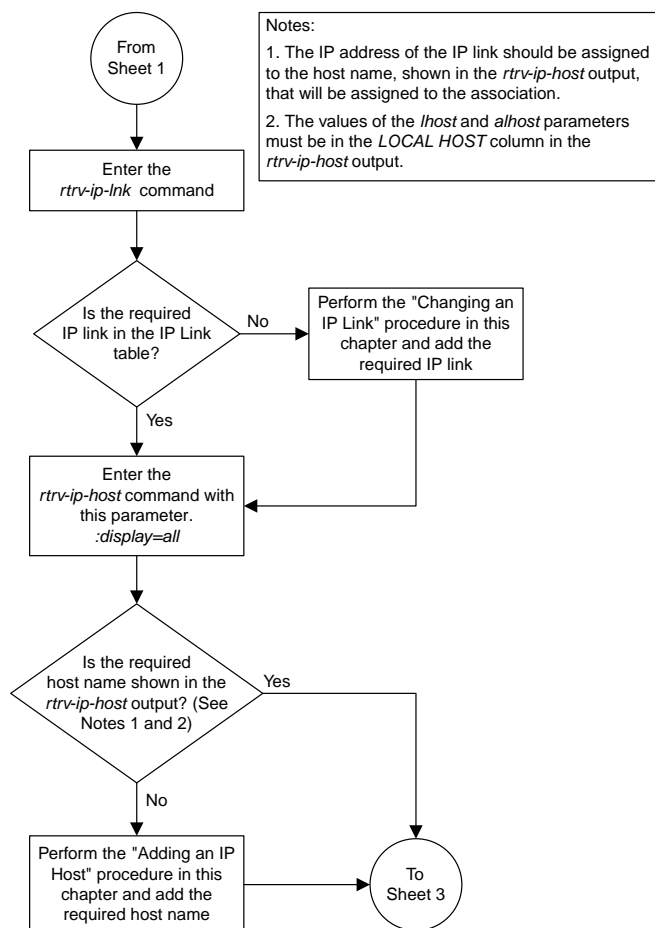


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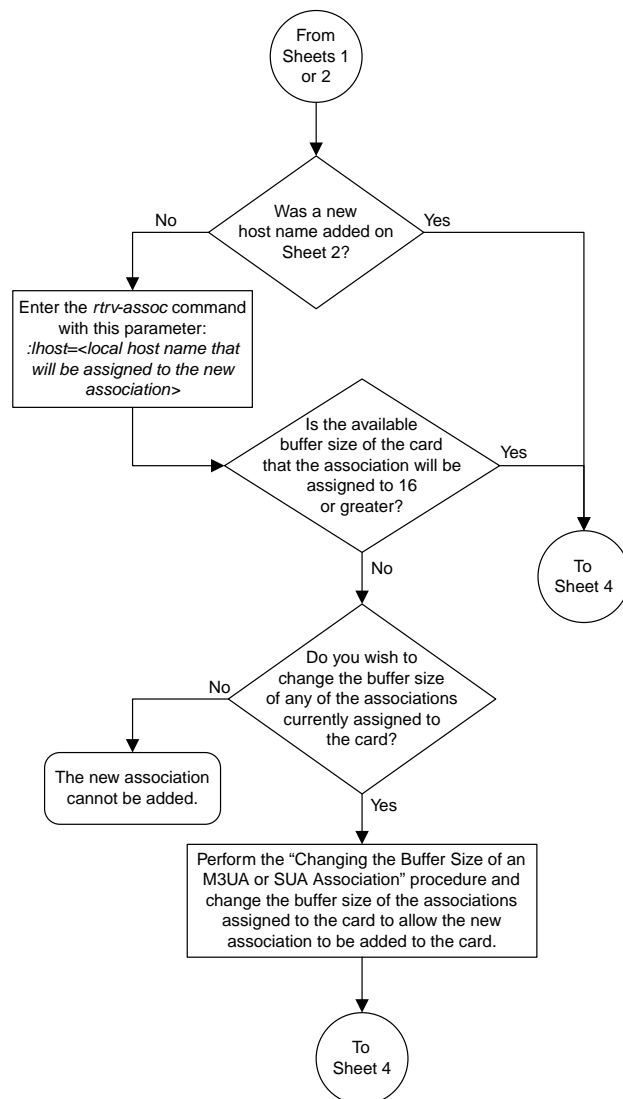


## Adding an M3UA or SUA Association



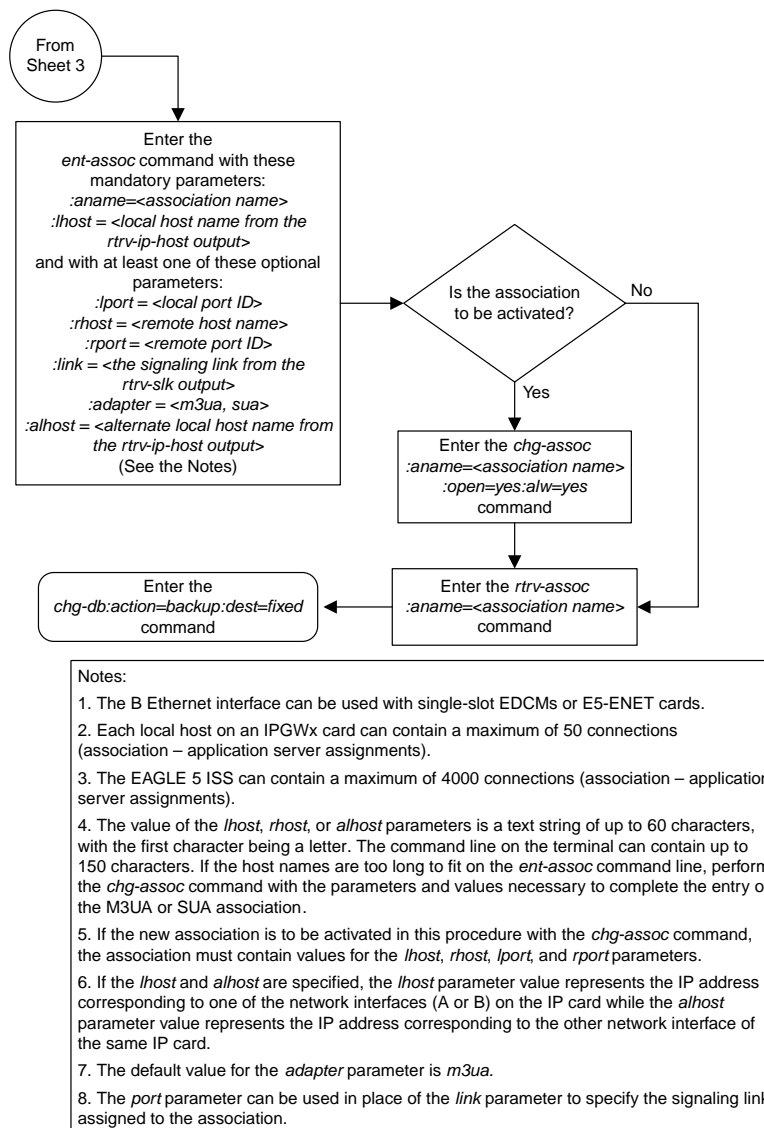


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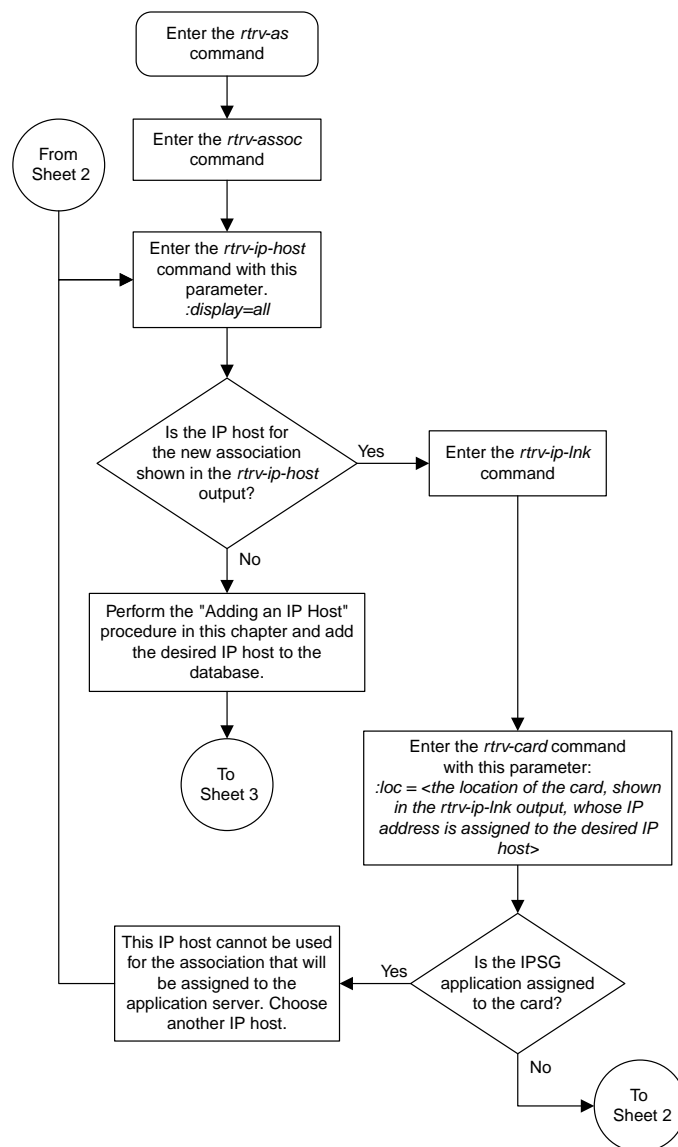


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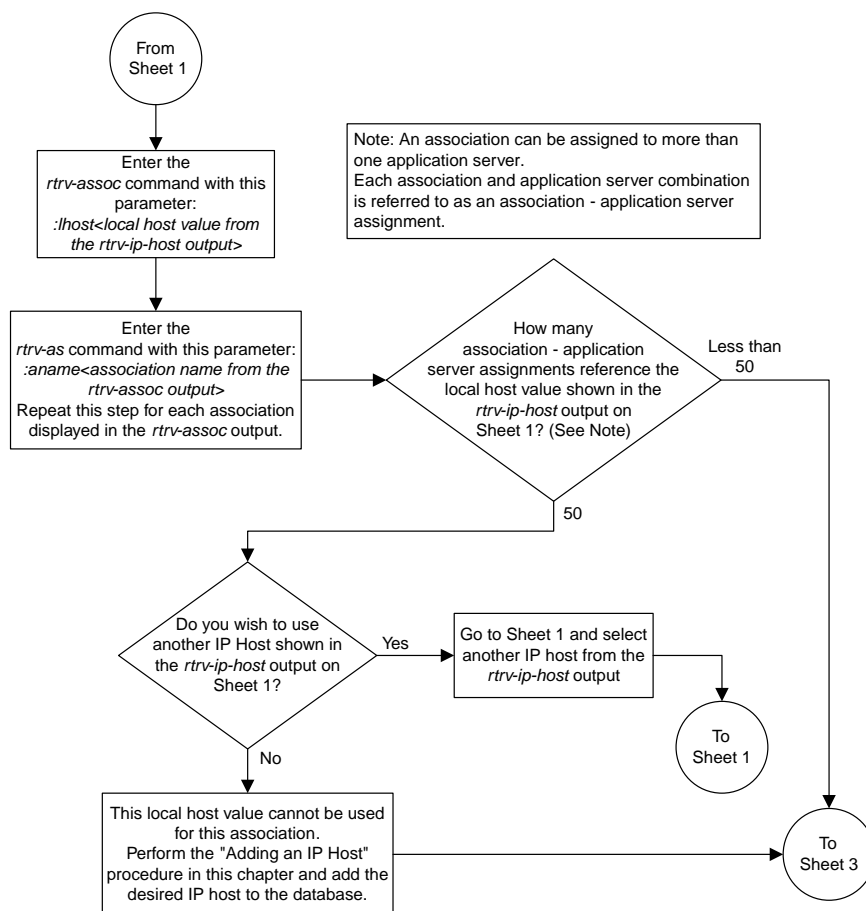




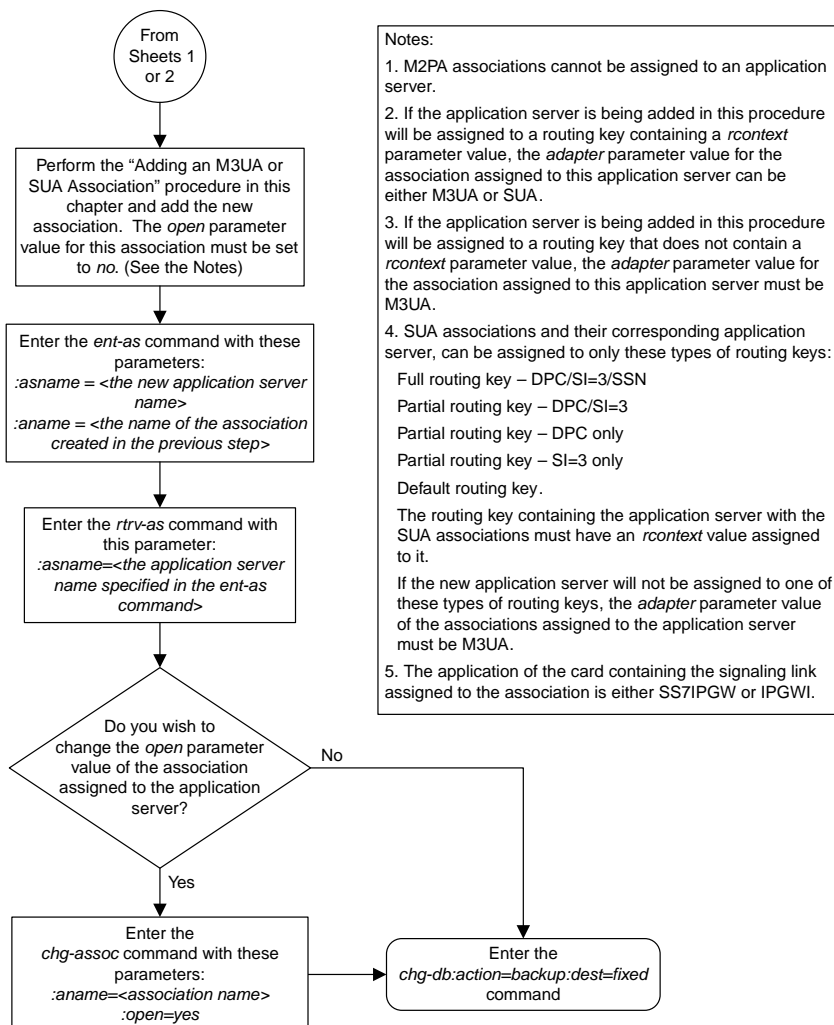
## Adding a New Association to a New Application Server



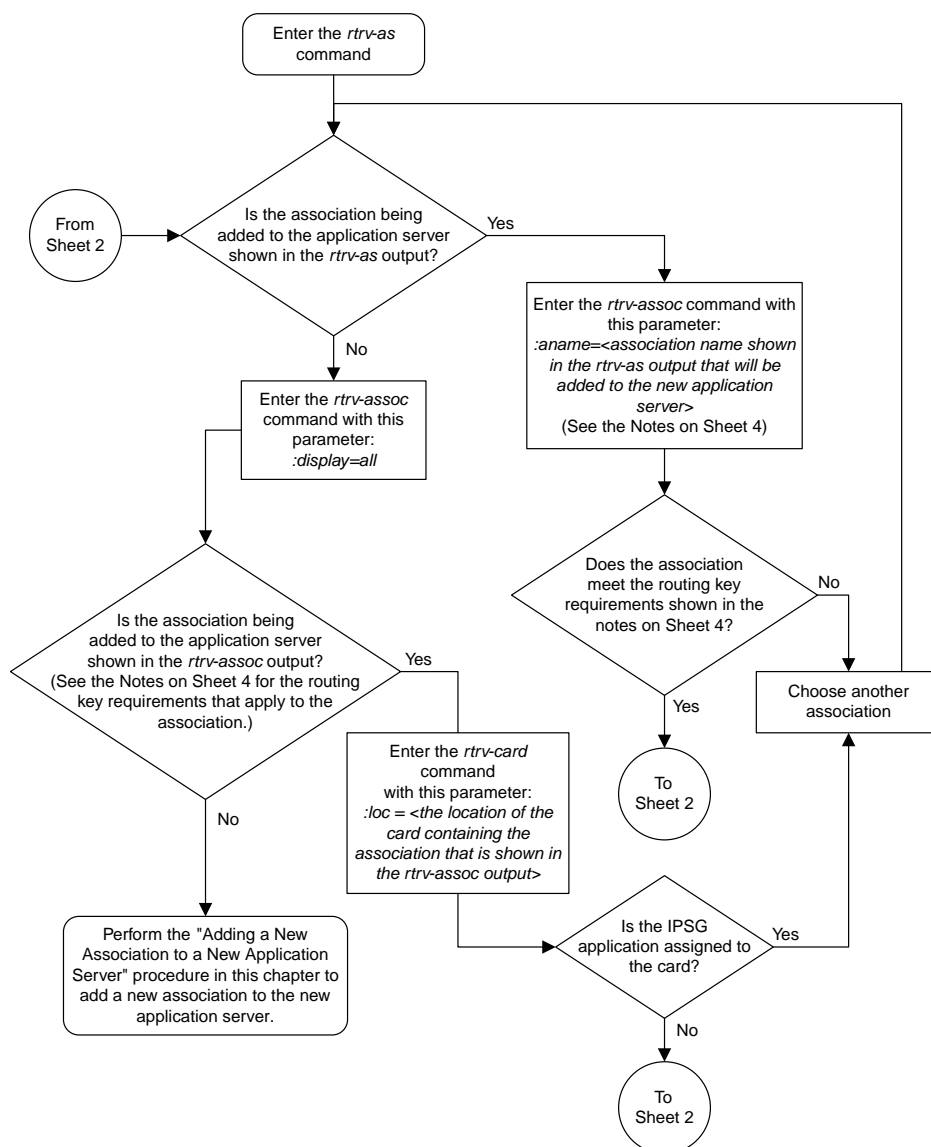
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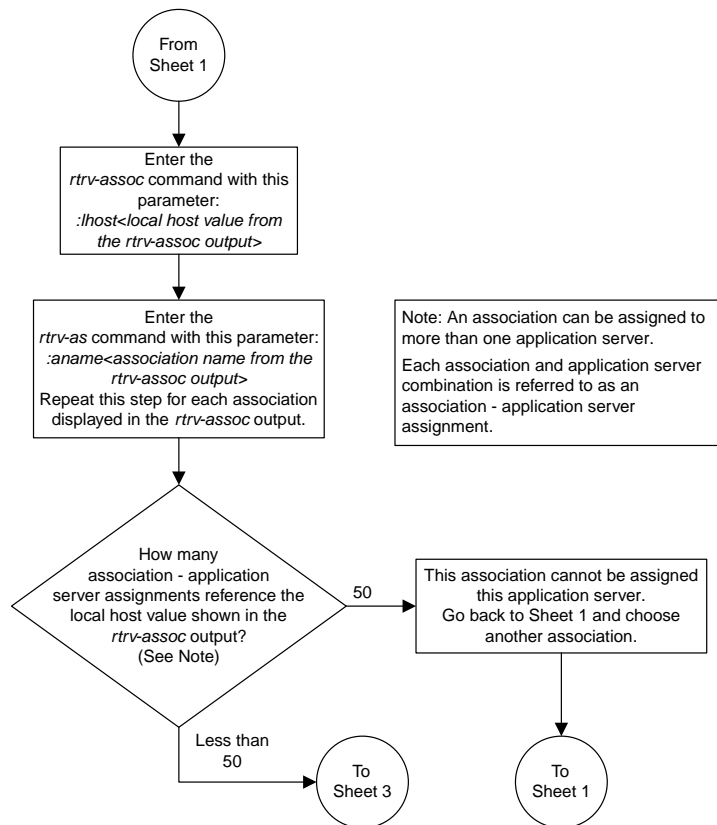
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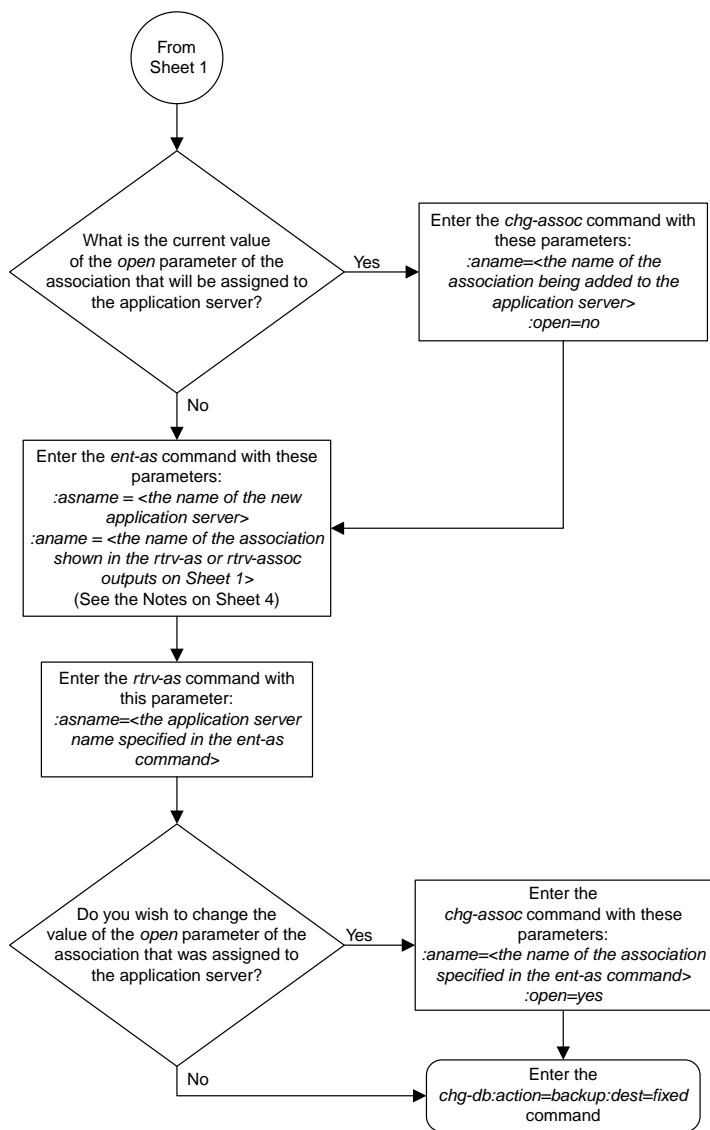
## Adding an Existing Association to a New Application Server



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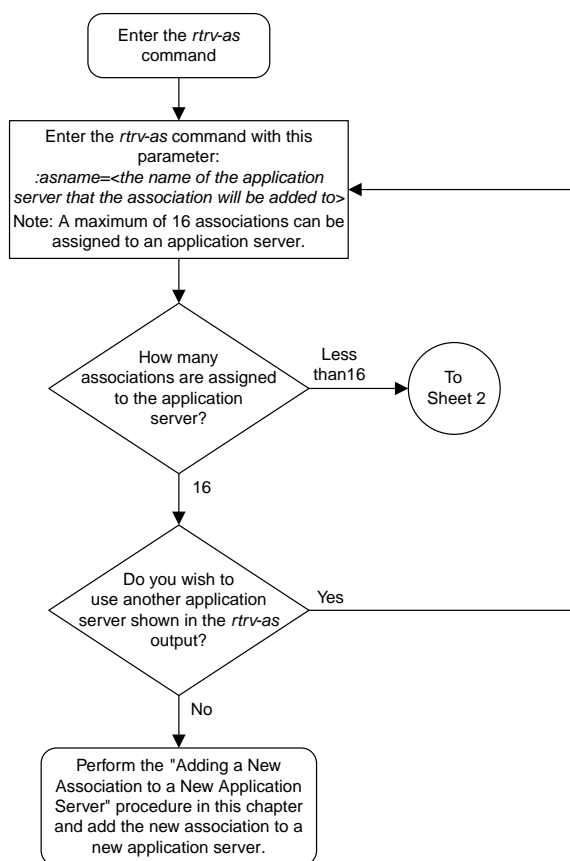
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**Notes:**

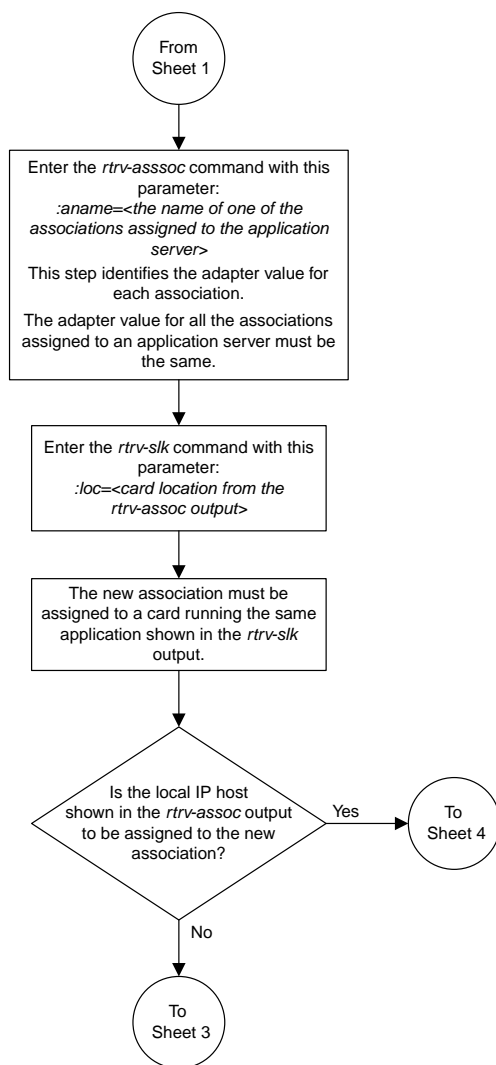
1. If the application server is being added in this procedure will be assigned to a routing key containing a *rcontext* parameter value, the *adapter* parameter value for the association assigned to this application server can be either M3UA or SUA.
2. If the application server is being added in this procedure will be assigned to a routing key that does not contain a *rcontext* parameter value, the *adapter* parameter value for the association assigned to this application server must be M3UA.
3. SUA associations and their corresponding application server, can be assigned to only these types of routing keys:
  - Full routing key – DPC/SI=3/SSN
  - Partial routing key – DPC/SI=3
  - Partial routing key – DPC only
  - Partial routing key – SI=3 only
  - Default routing key.The routing key containing the application server with the SUA associations must have an *rcontext* value assigned to it.
- If the new application server will not be assigned to one of these types of routing keys, the *adapter* parameter value of the associations assigned to the application server must be M3UA.
4. M2PA associations cannot be assigned to application servers.



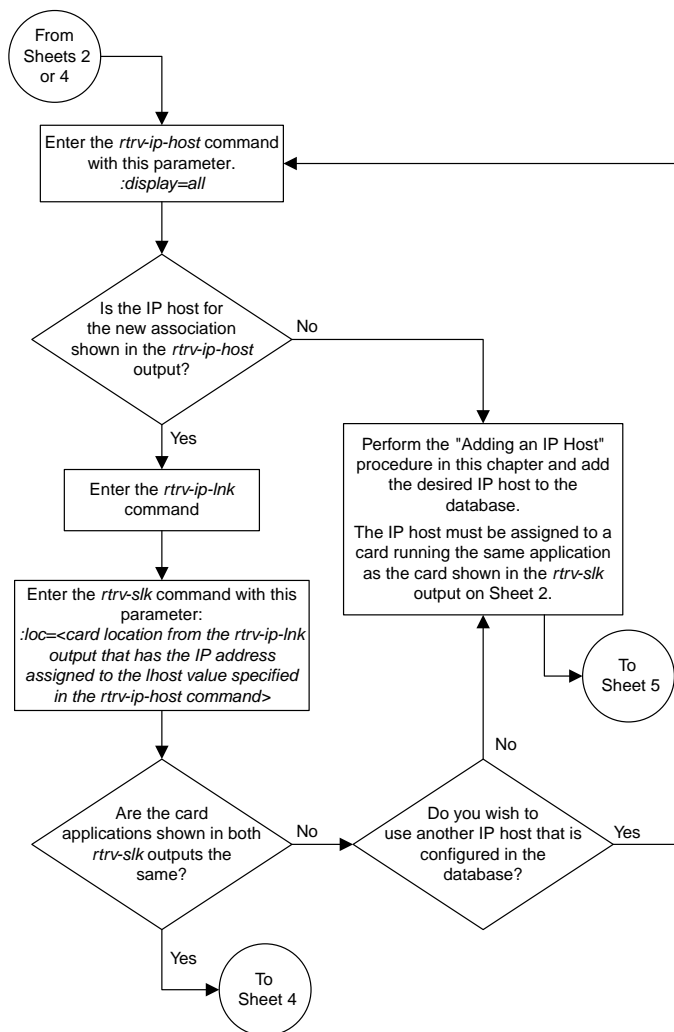
## Adding a New Association to an Existing Application Server

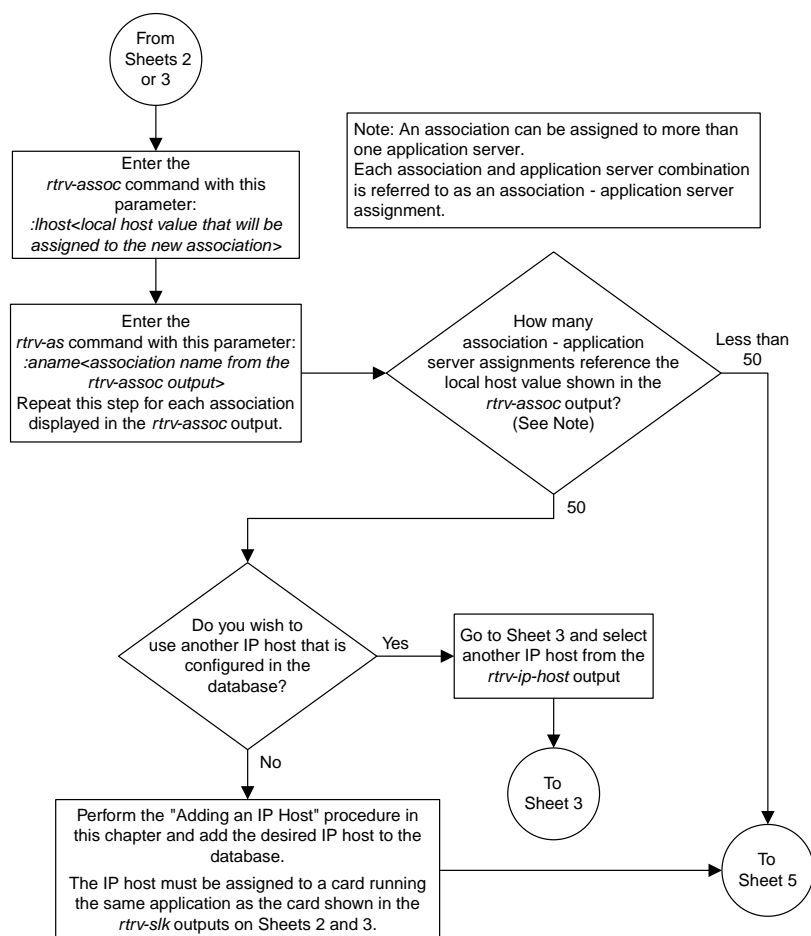


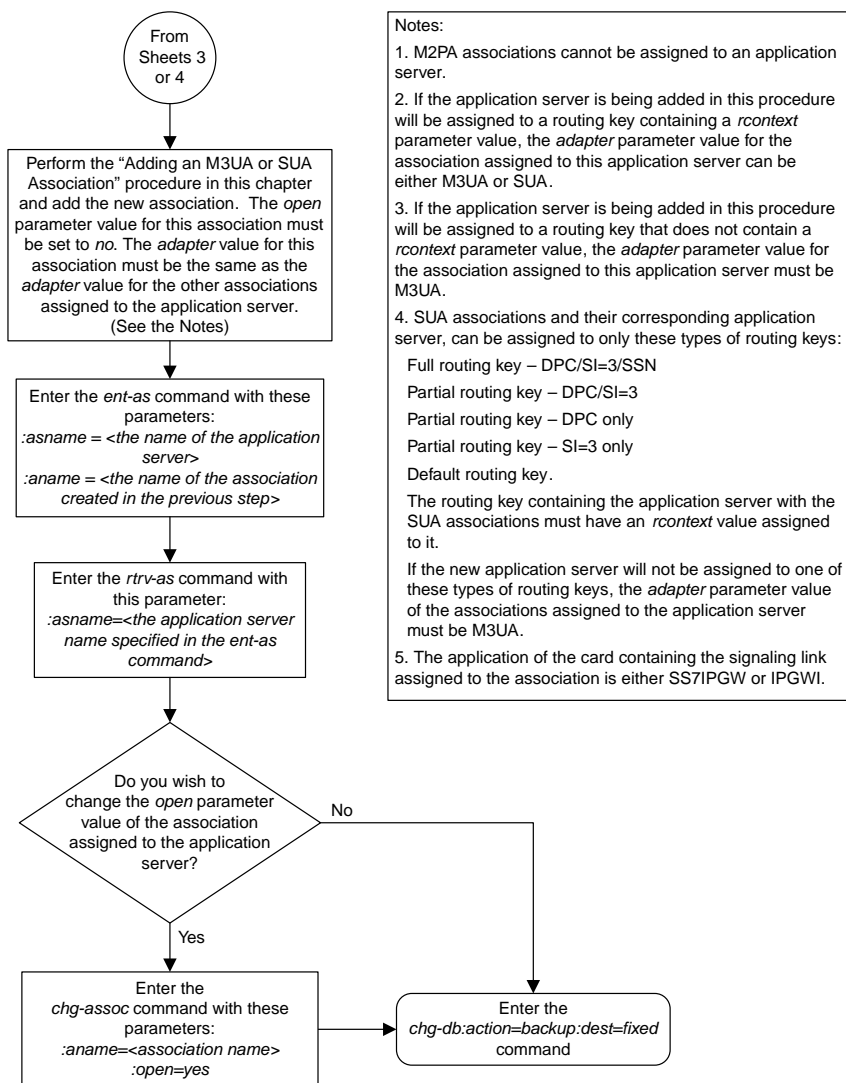
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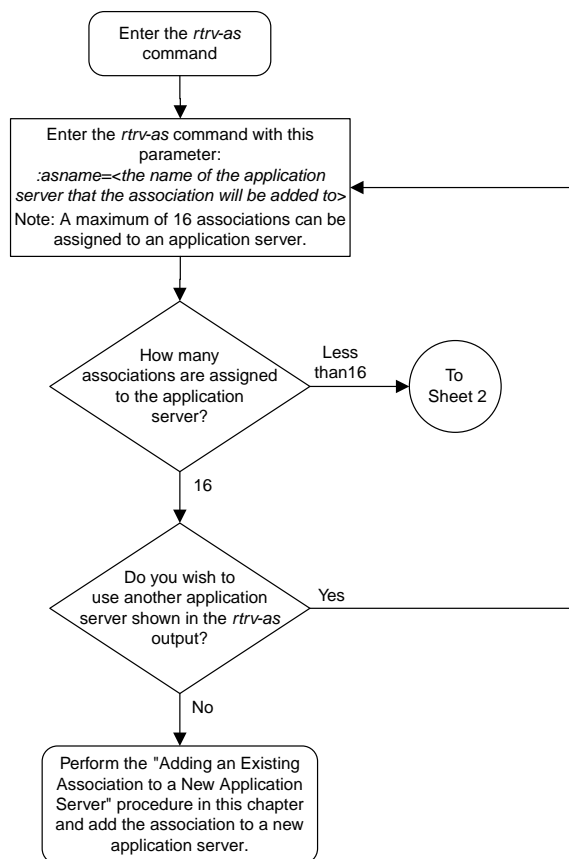
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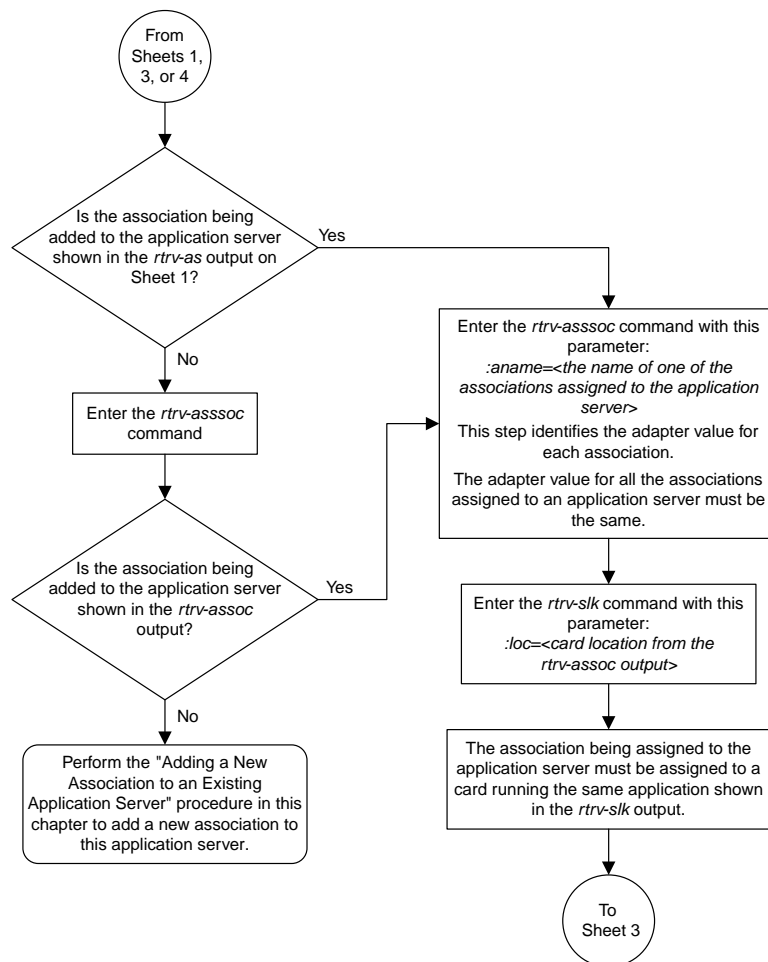




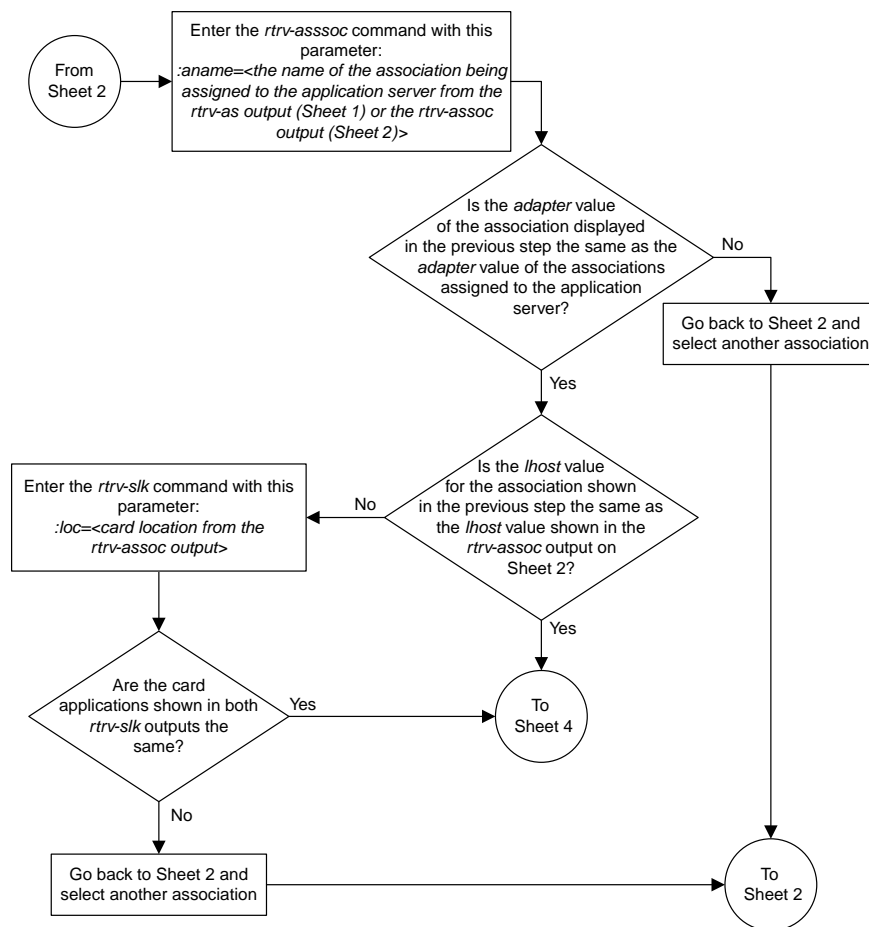
## Adding an Existing Association to an Existing Application Server



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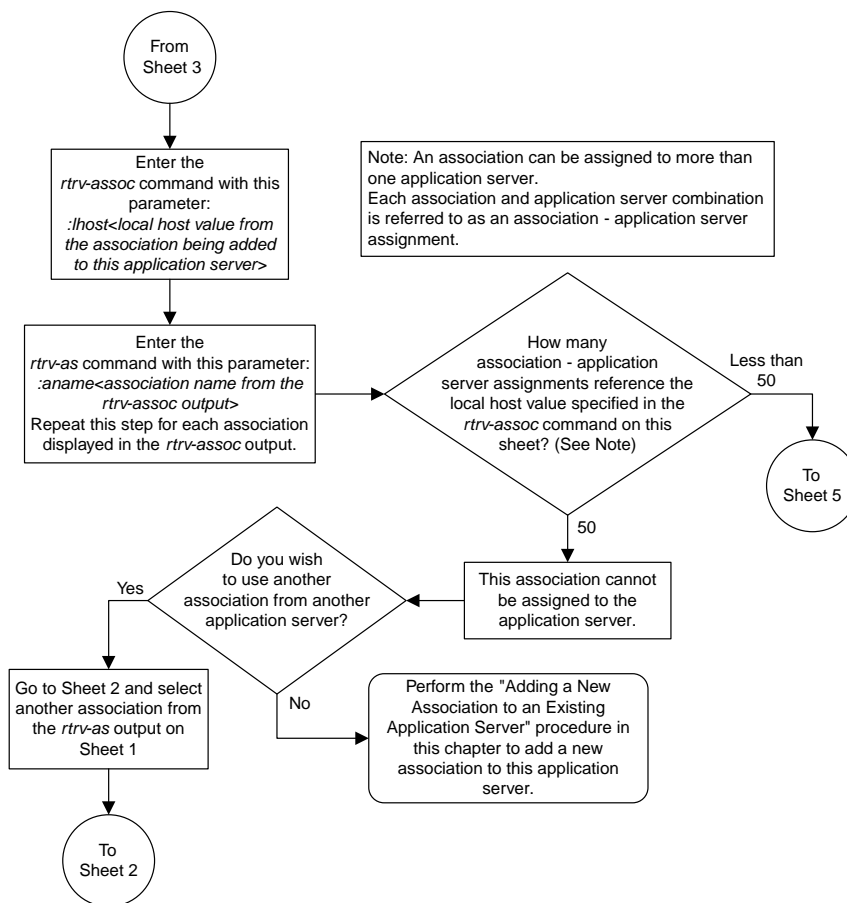


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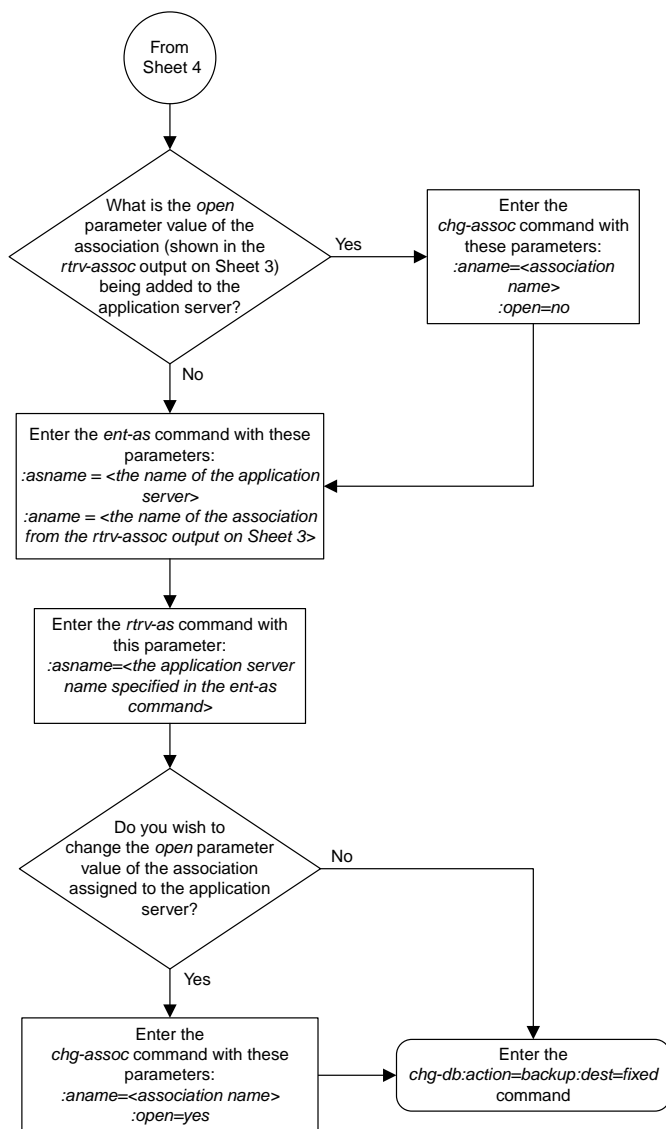


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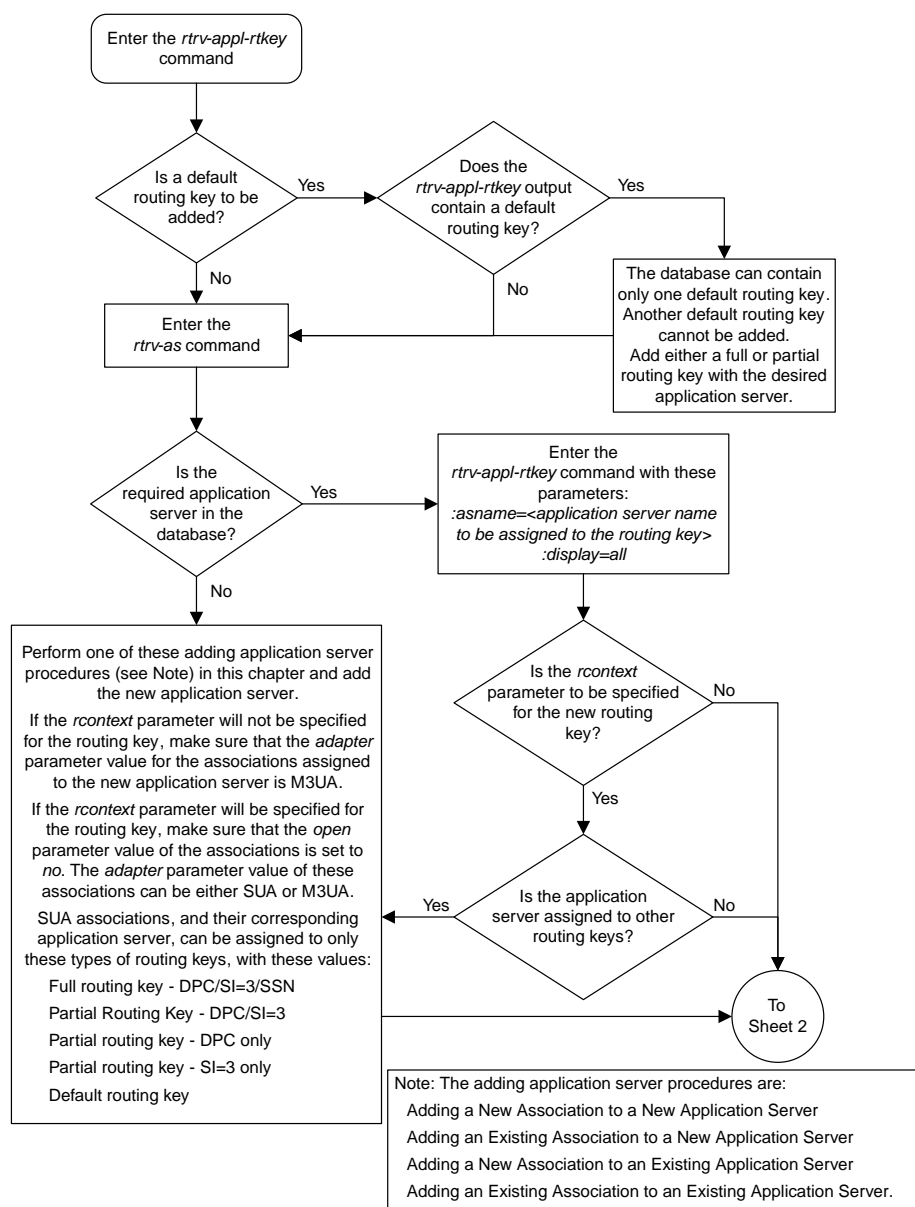


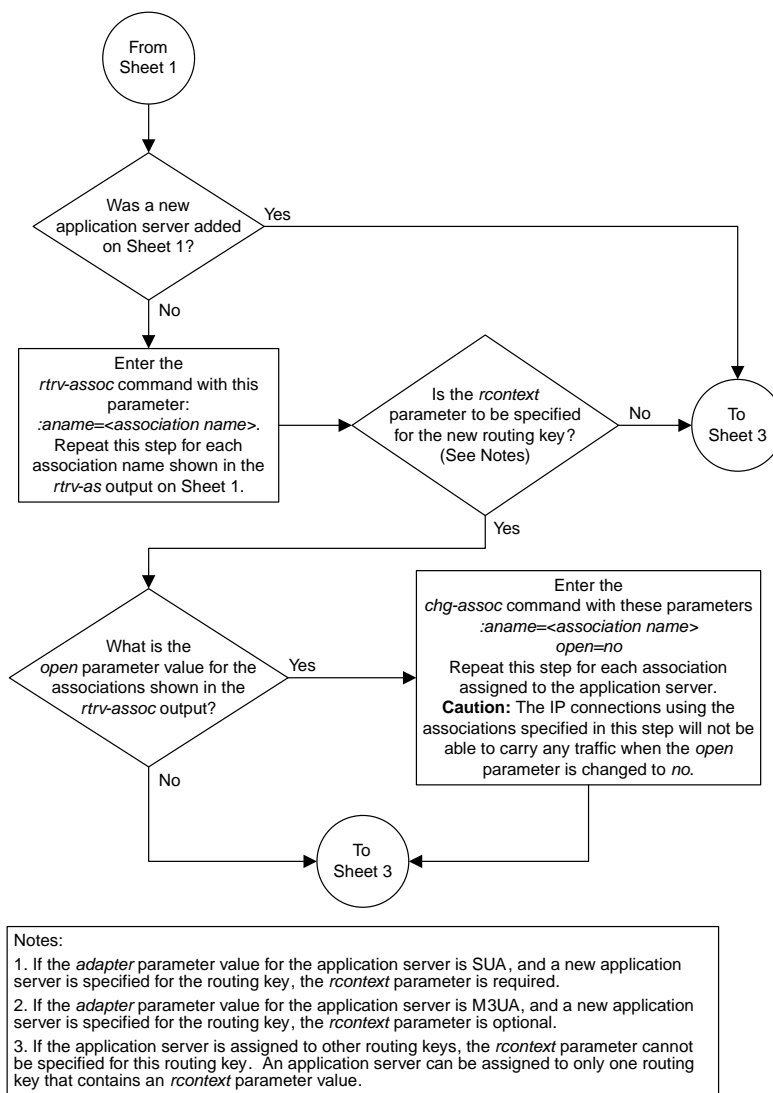
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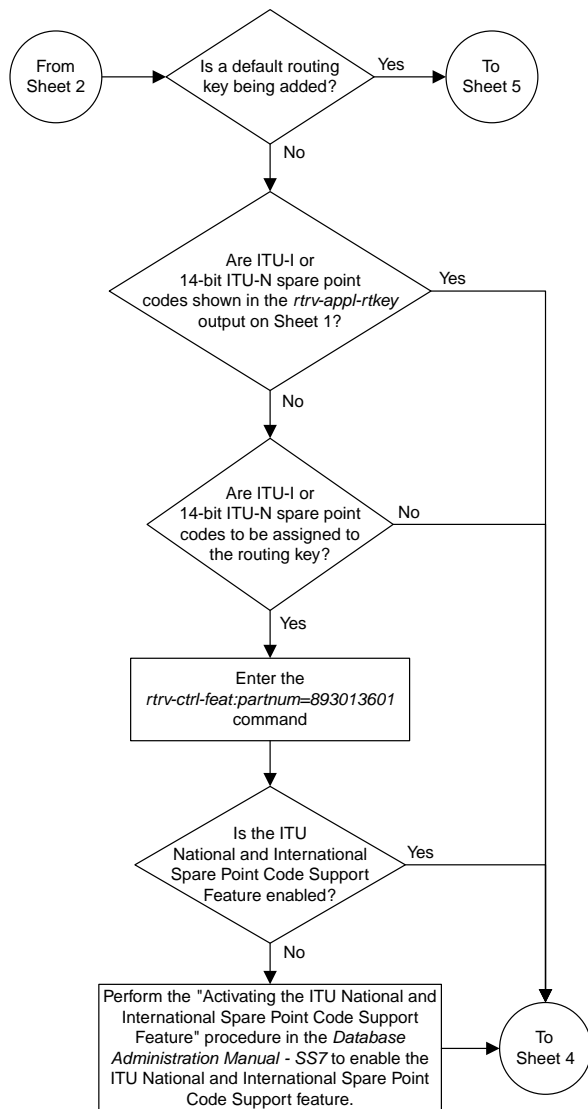


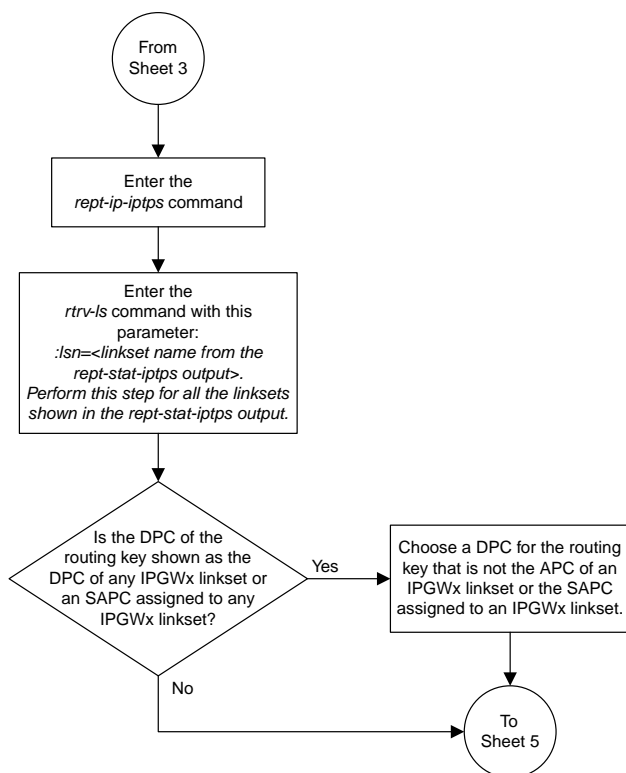
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## Adding a Routing Key Containing an Application Server

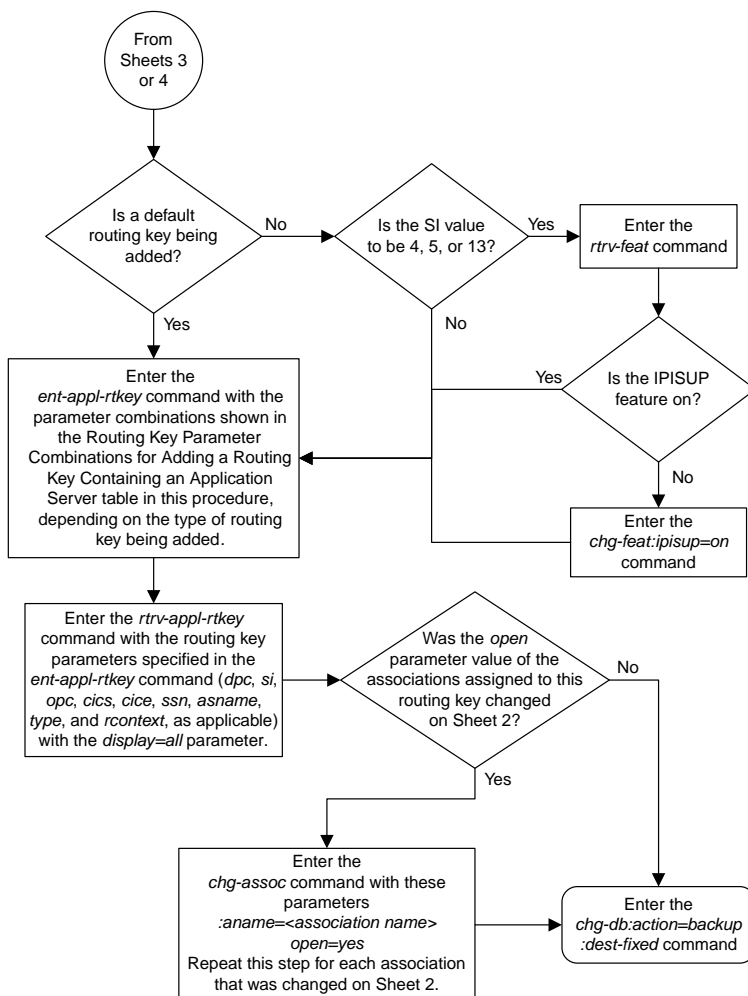






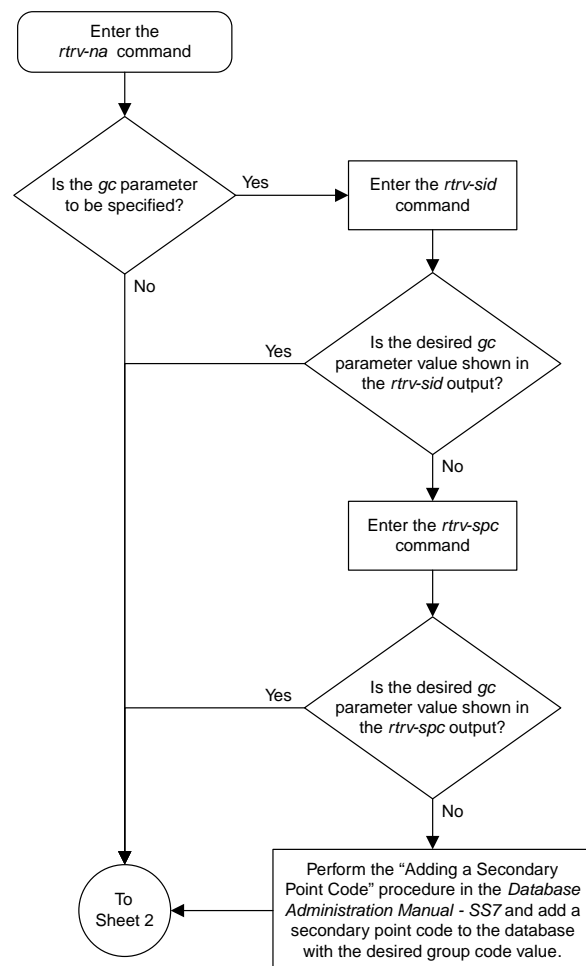


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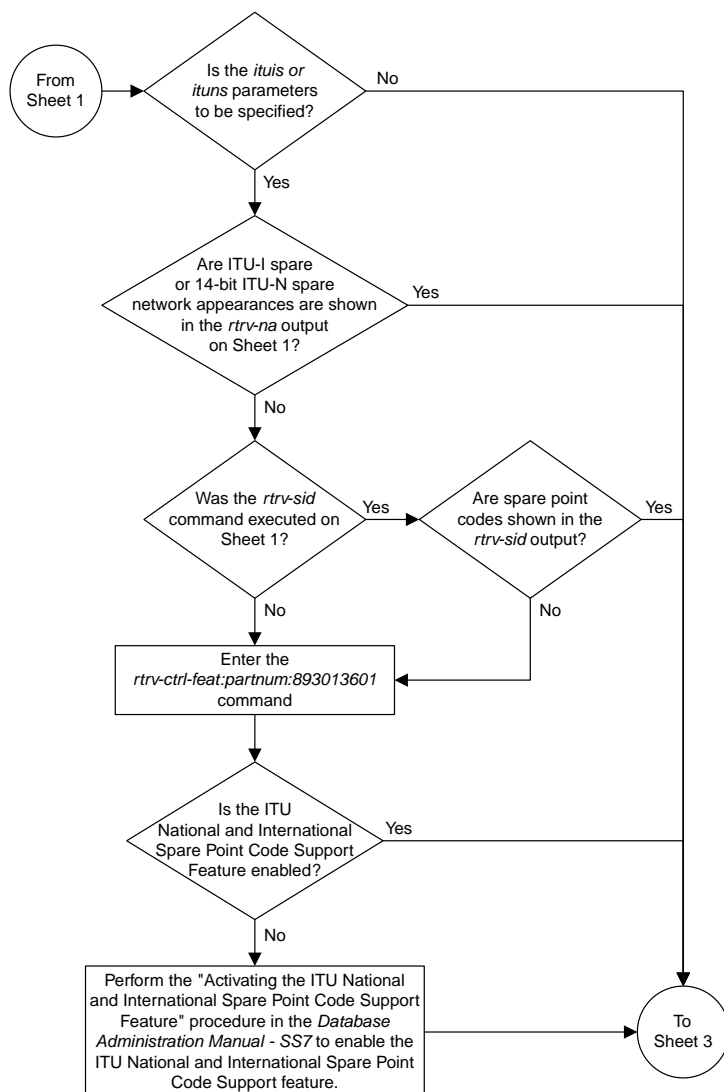


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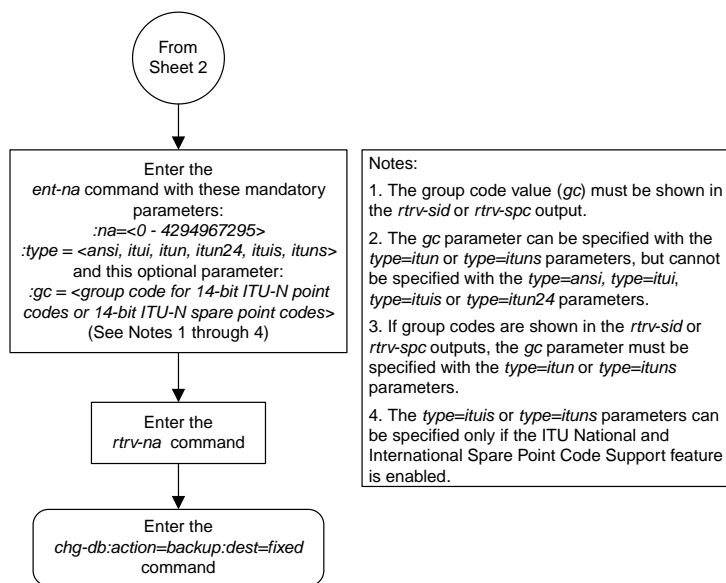
## Adding a Network Appearance



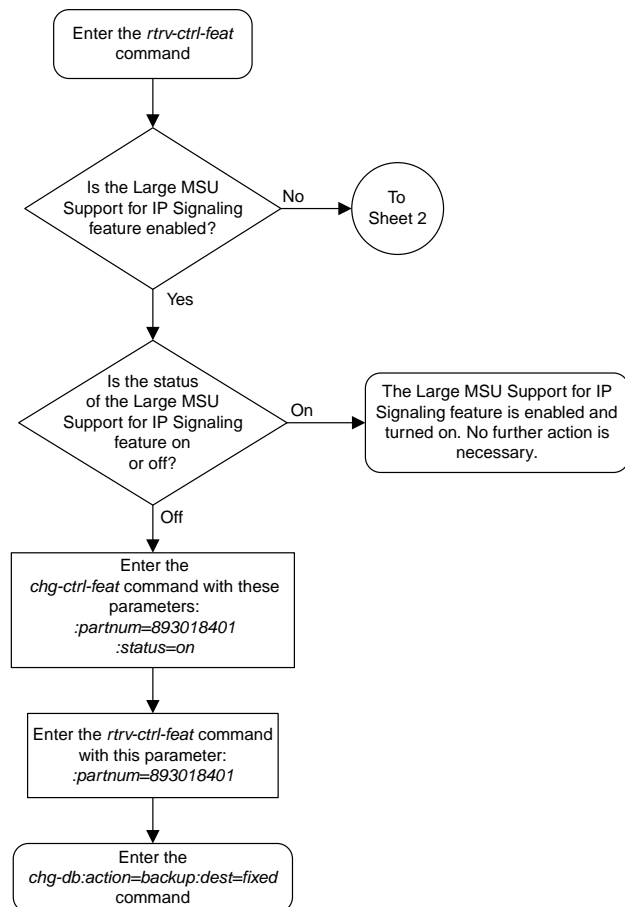




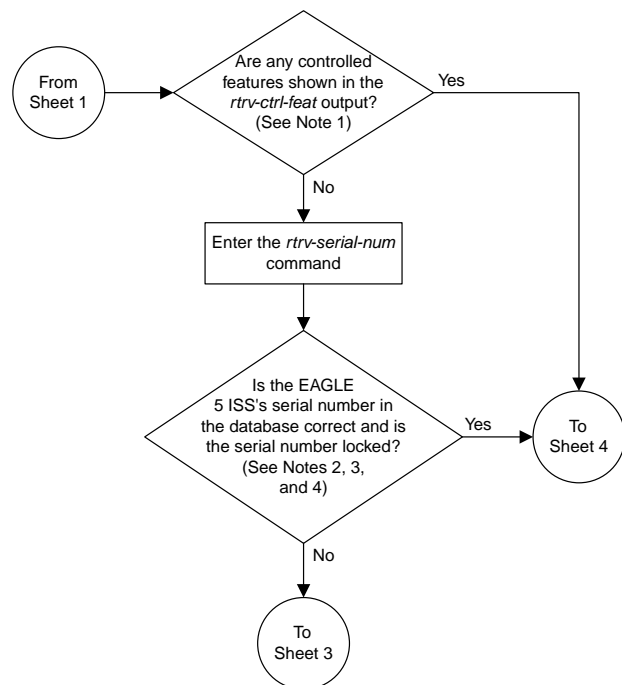
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## Activating the Large MSU Support for IP Signaling Feature

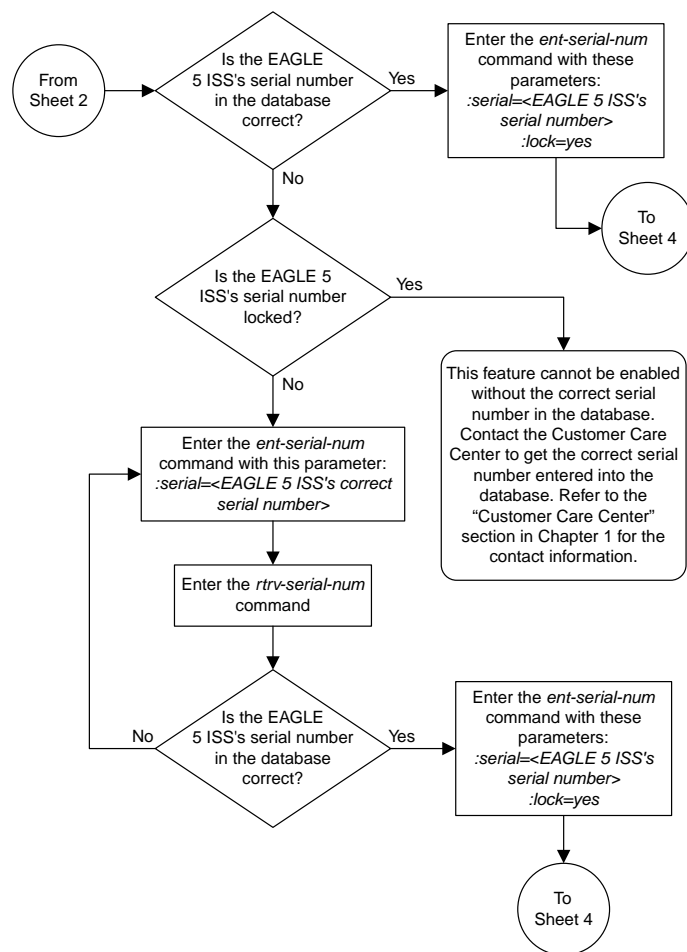


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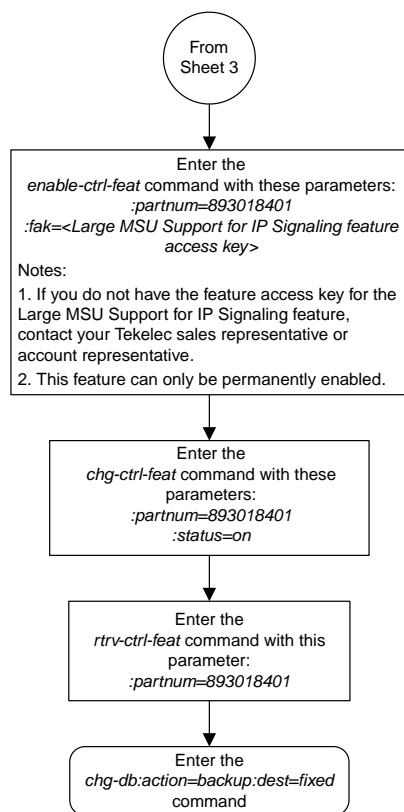


## Notes:

1. If the *rtrv-ctrl-feat* output shows only the HC -MIM SLK Capacity feature with a quantity of 64, the answer to this question is no and the Eagle 5 ISS's serial number must be verified. This is the default entry for the *rtrv-ctrl-feat* output. This entry is shown whether or not the Eagle 5 ISS's serial number is in the database.
2. If the serial number is locked, it cannot be changed.
3. If the serial number is not locked, the controlled feature cannot be enabled.
4. The serial number can be found on a label affixed to the control shelf (shelf 1100).

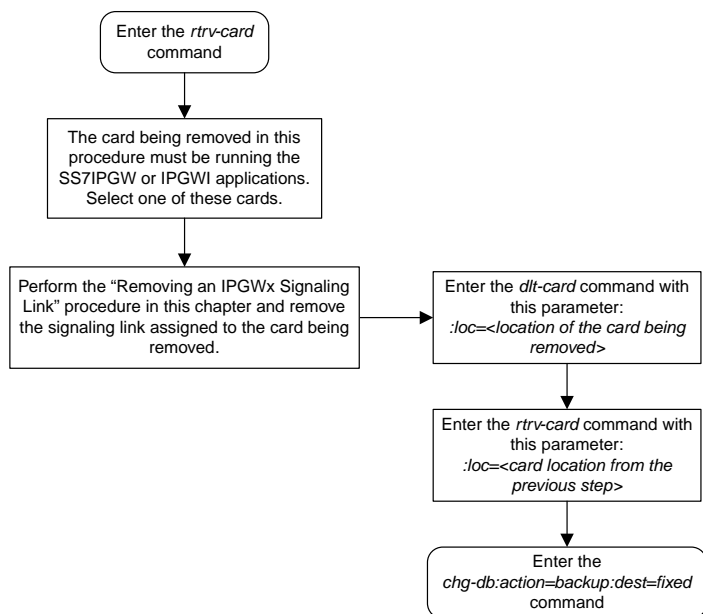


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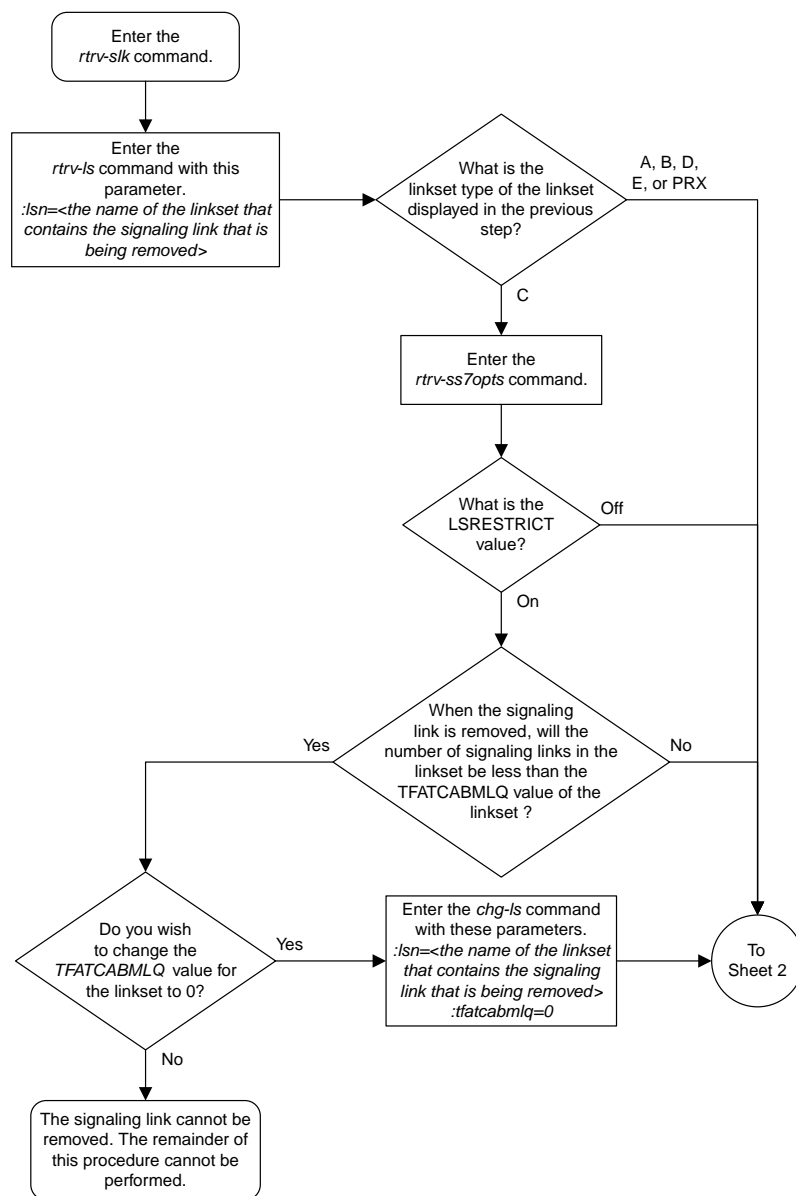


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## Removing an IPGW<sub>x</sub> Card

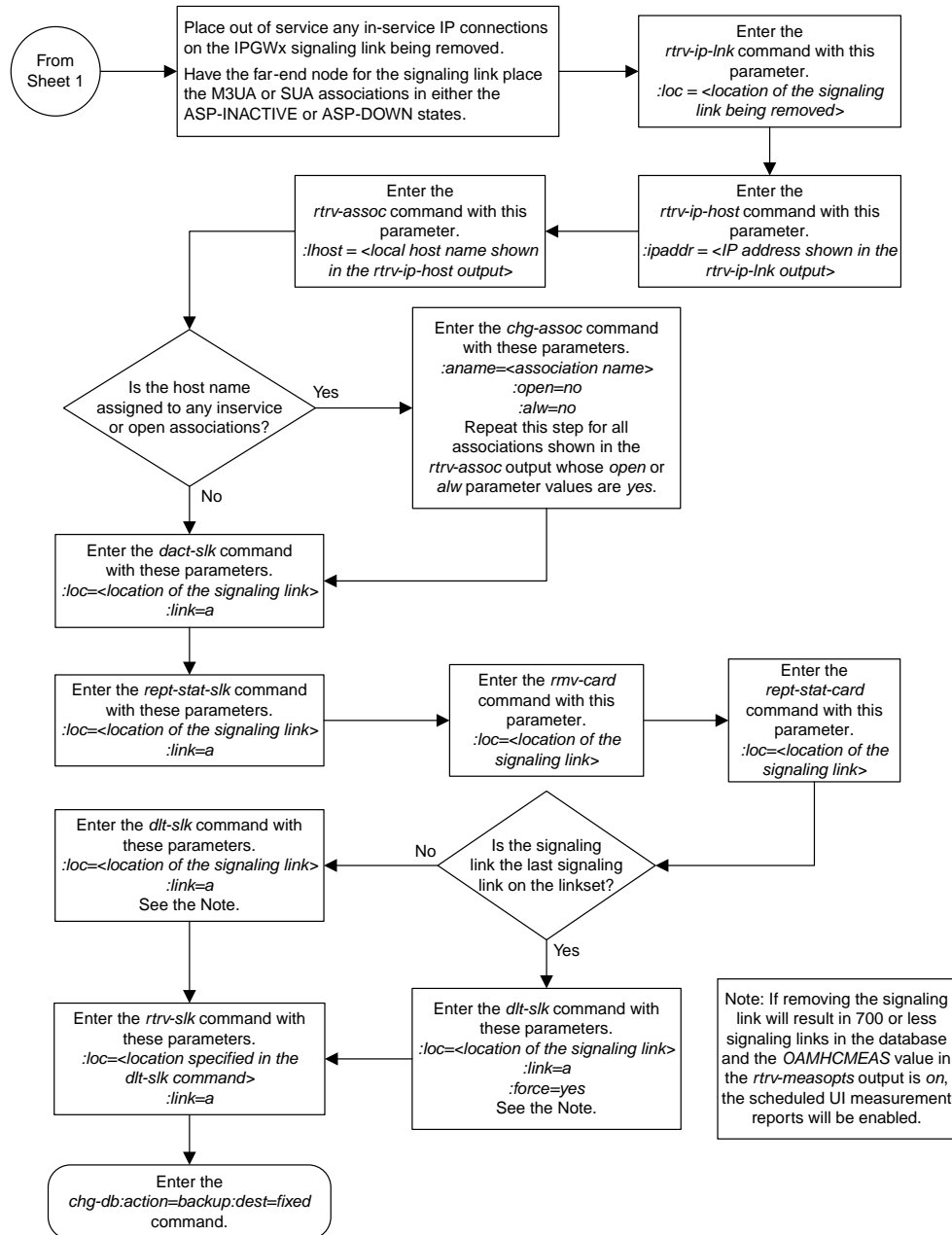


## Removing an IPGWx Signaling Link

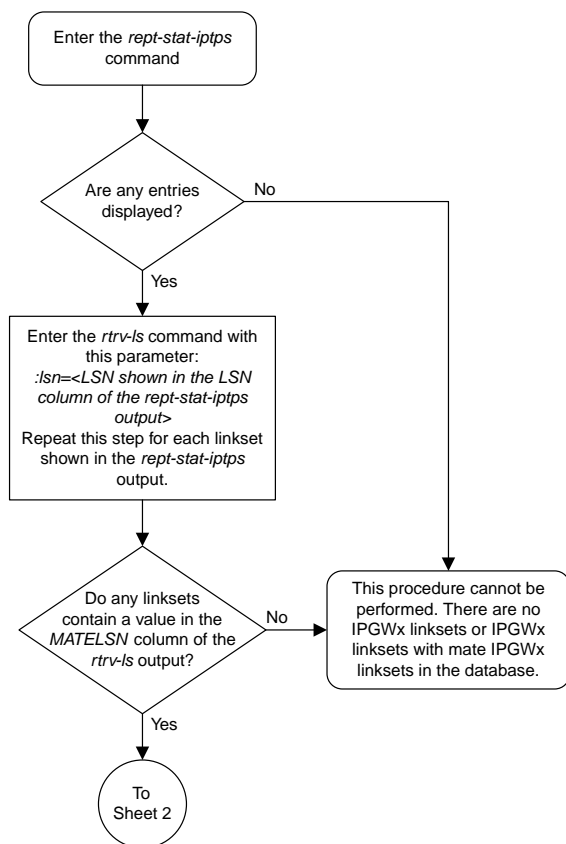


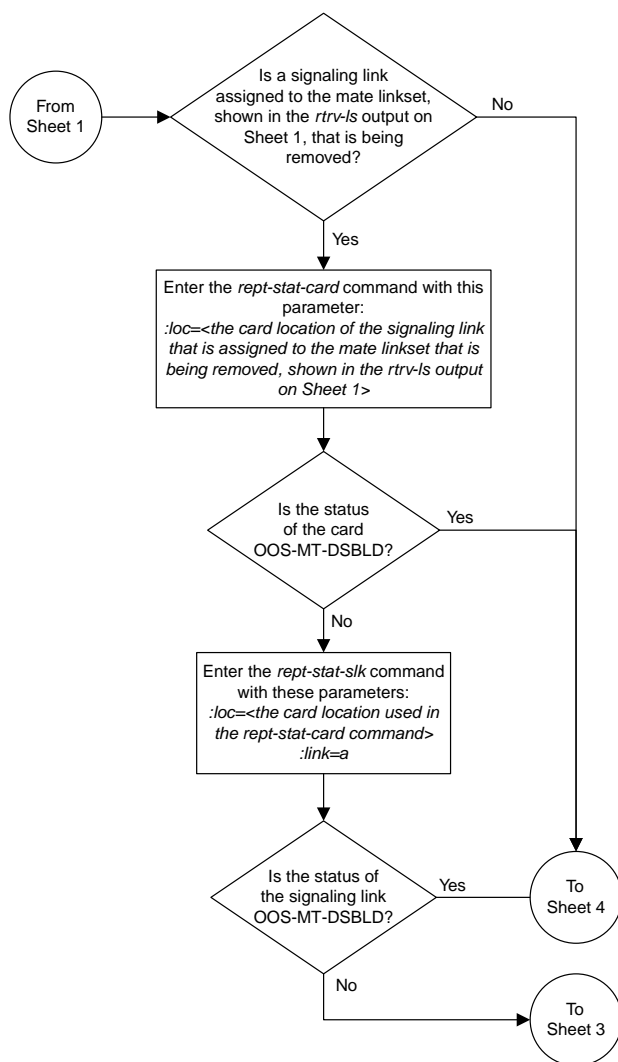
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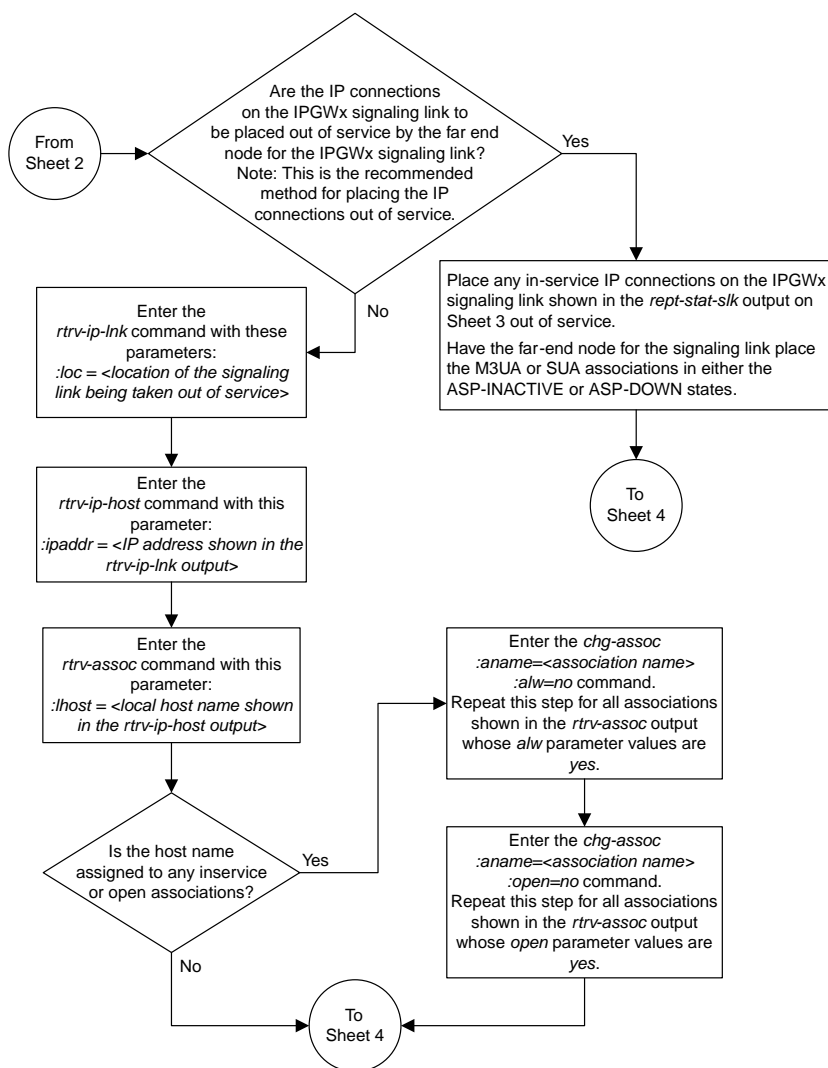


## Removing a Mate IPGWx Linkset from another IPGWx Linkset

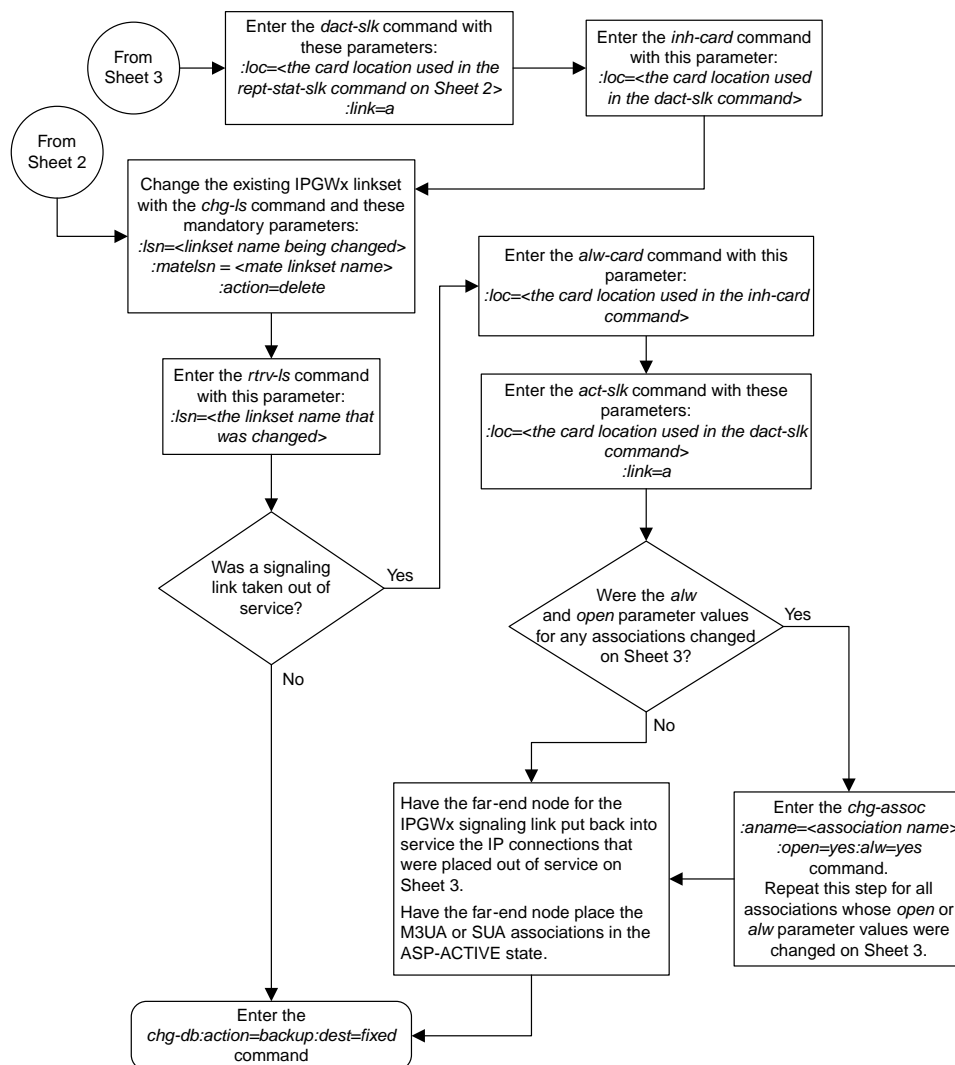




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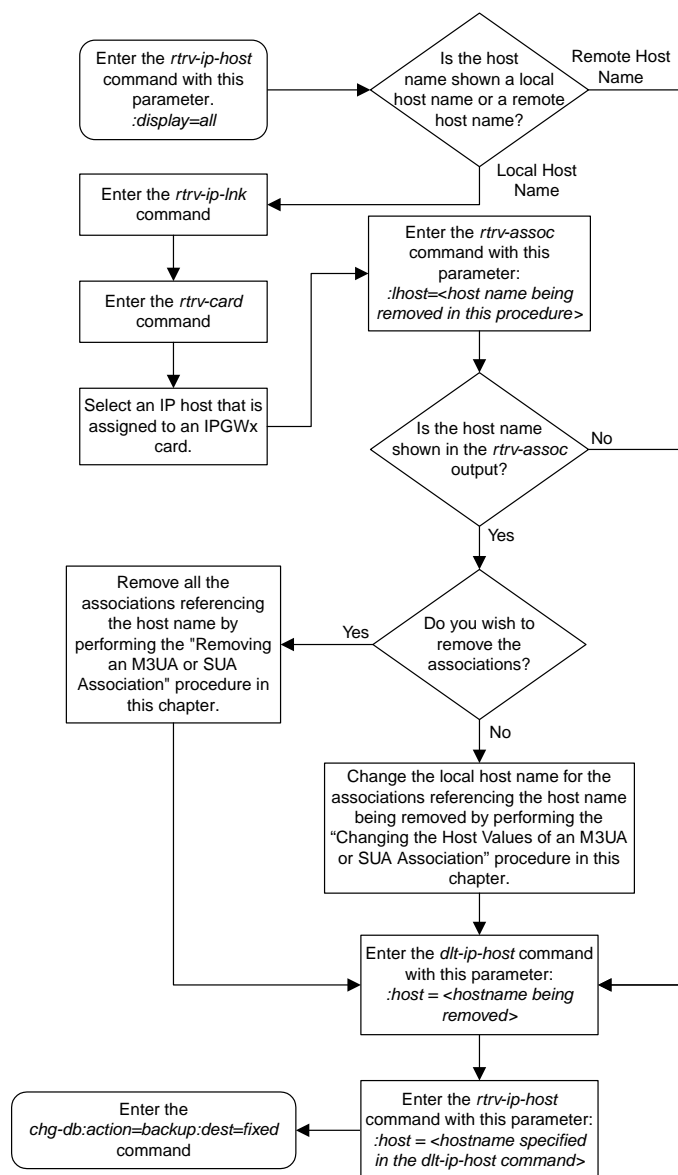


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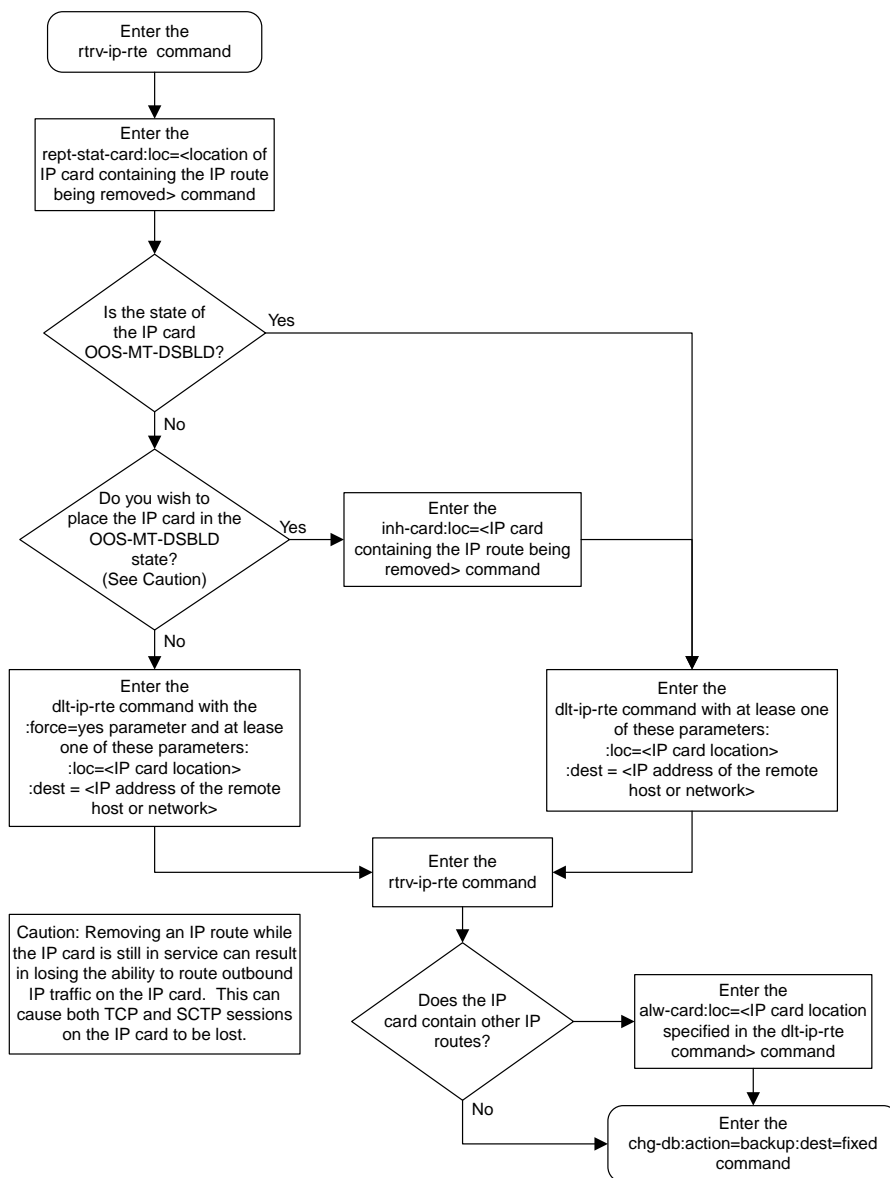


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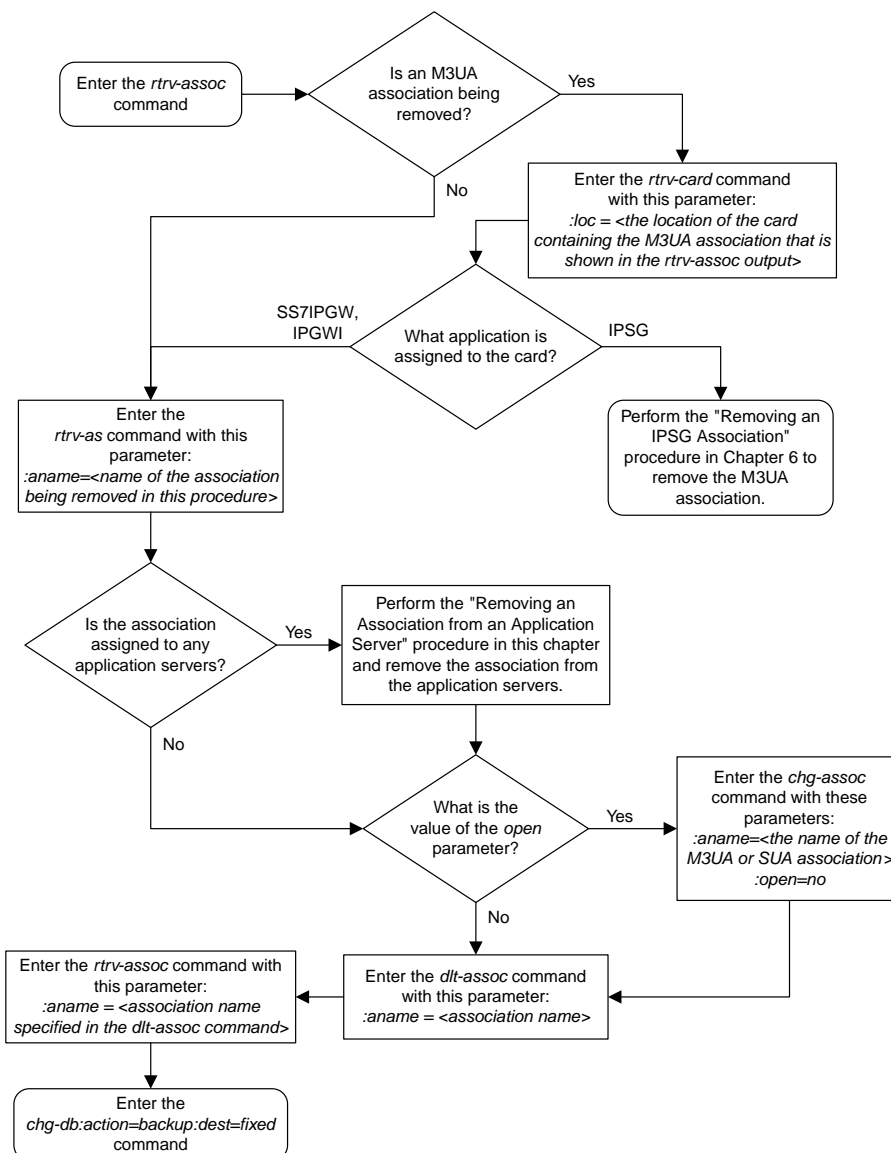
## Removing an IP Host Assigned to an IPGWx Card



## Removing an IP Route

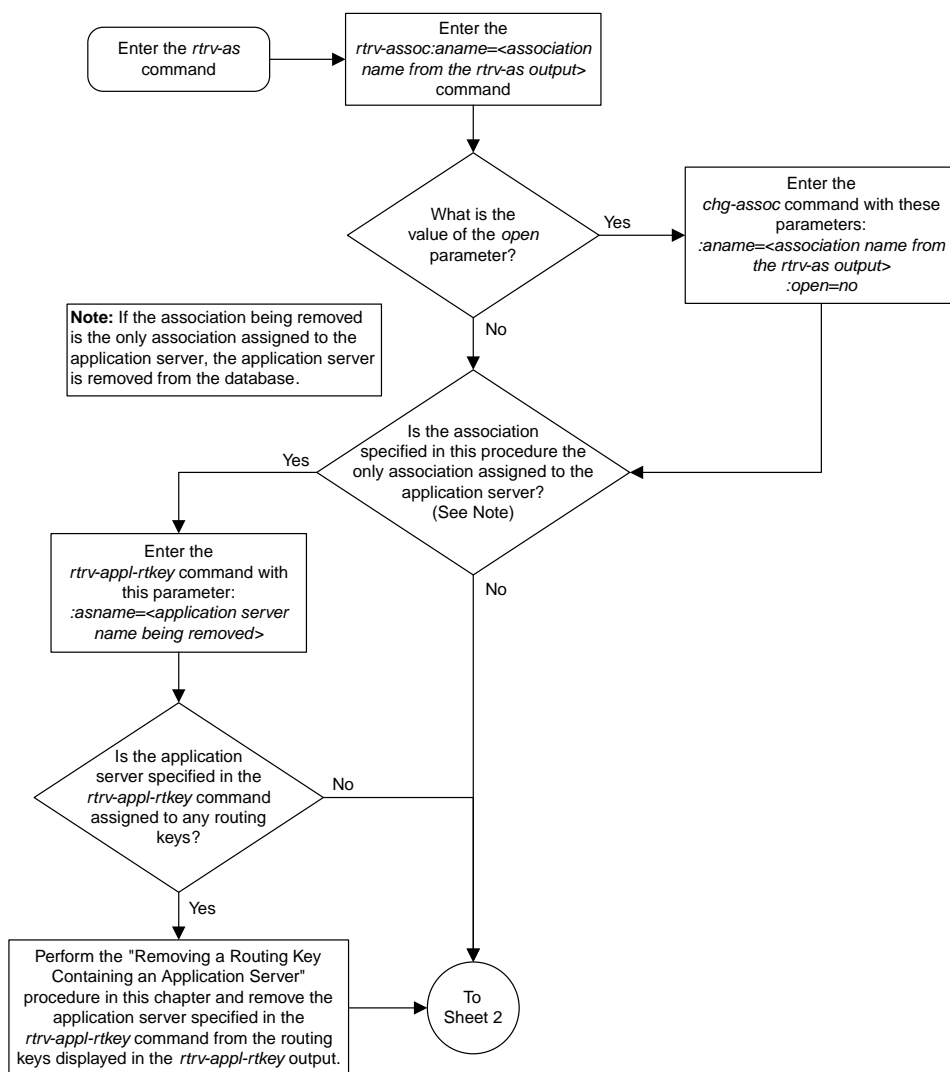


## Removing an M3UA or SUA Association

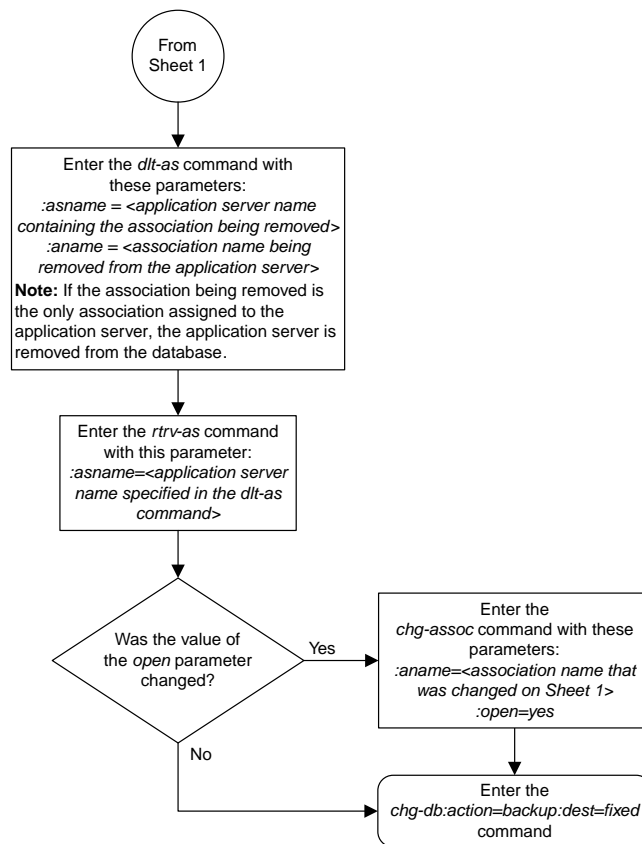




## Removing an Association from an Application Server

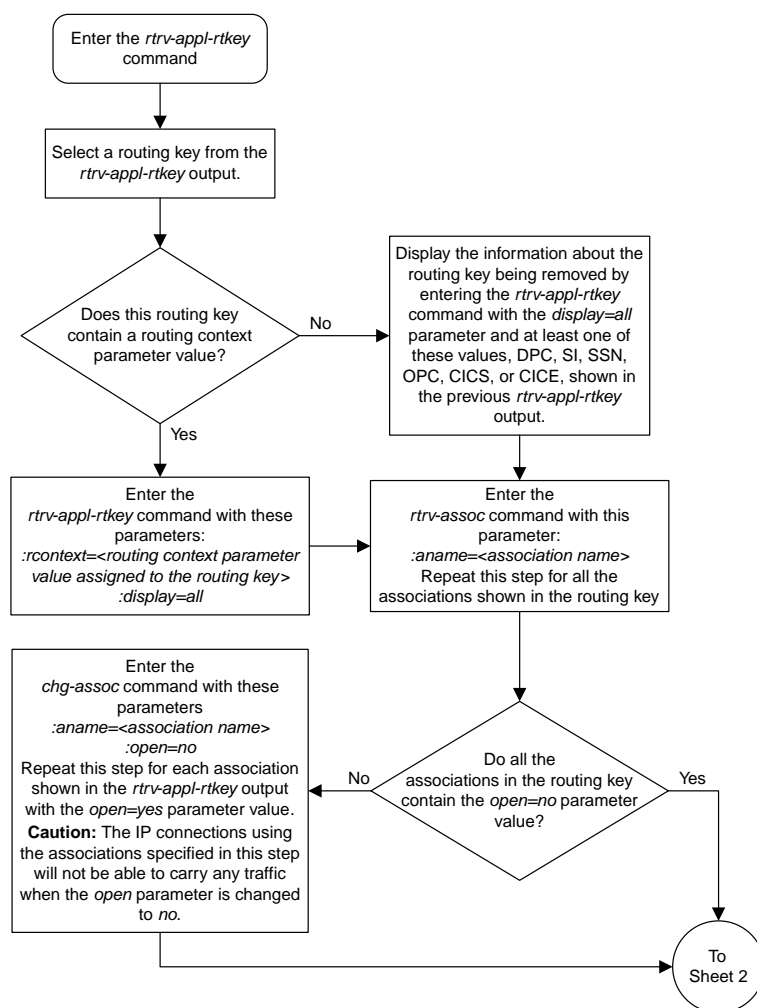


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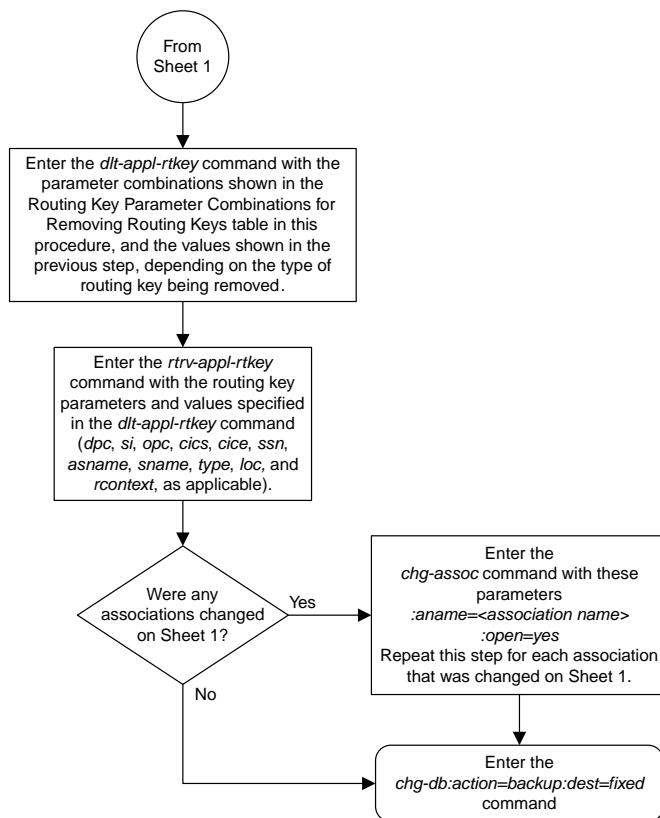


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## Removing a Routing Key Containing an Application Server

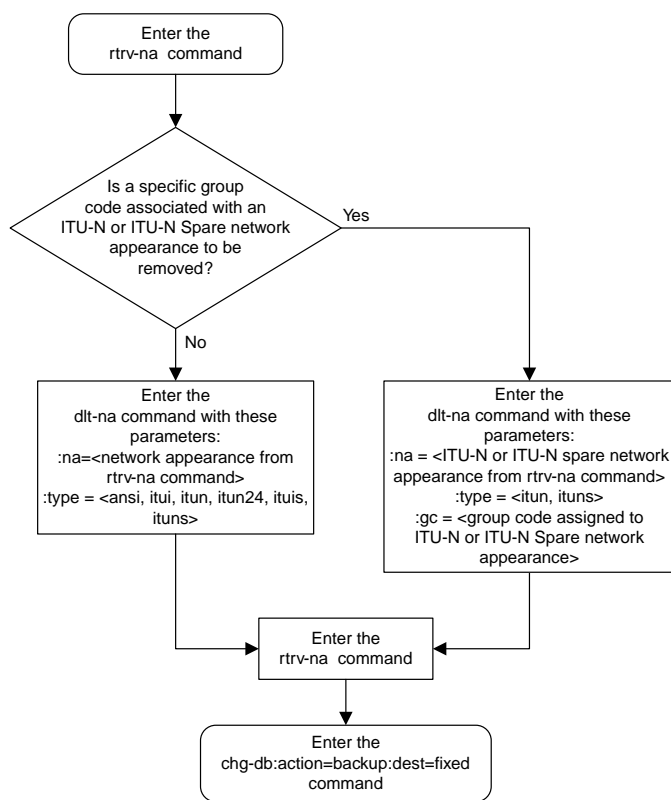


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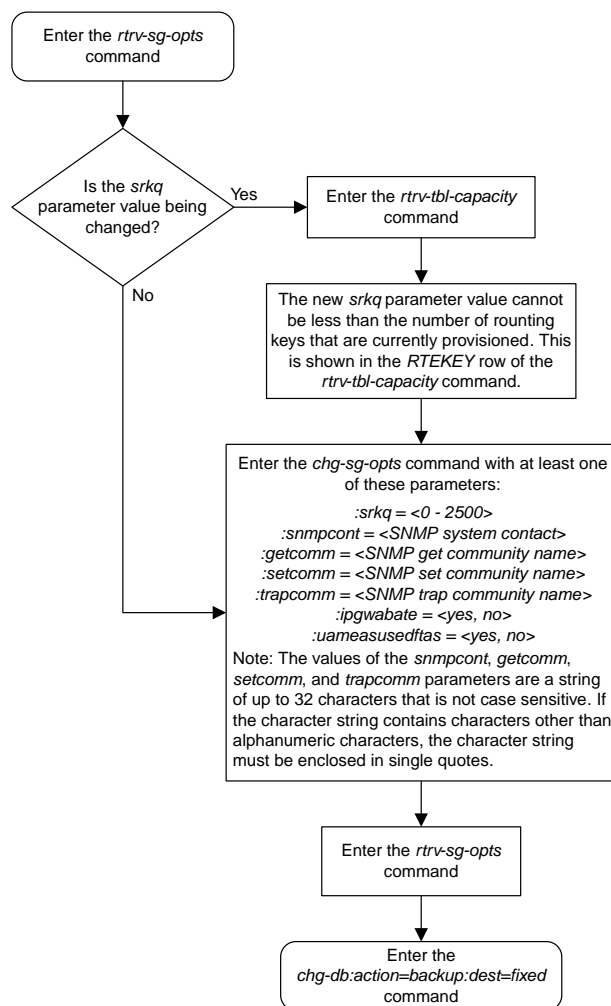


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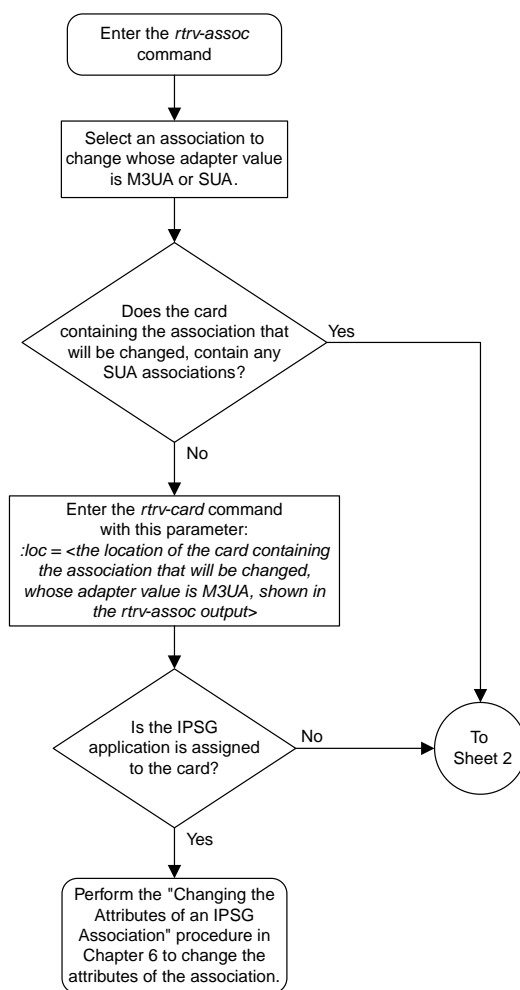
## Removing a Network Appearance

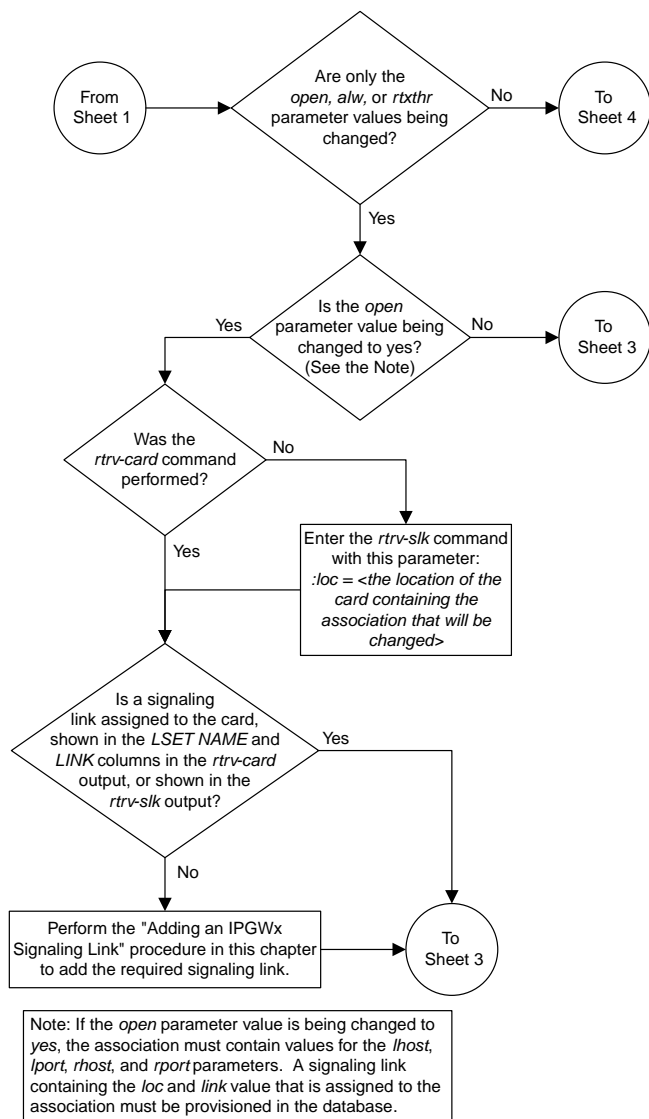


## Changing IP Options



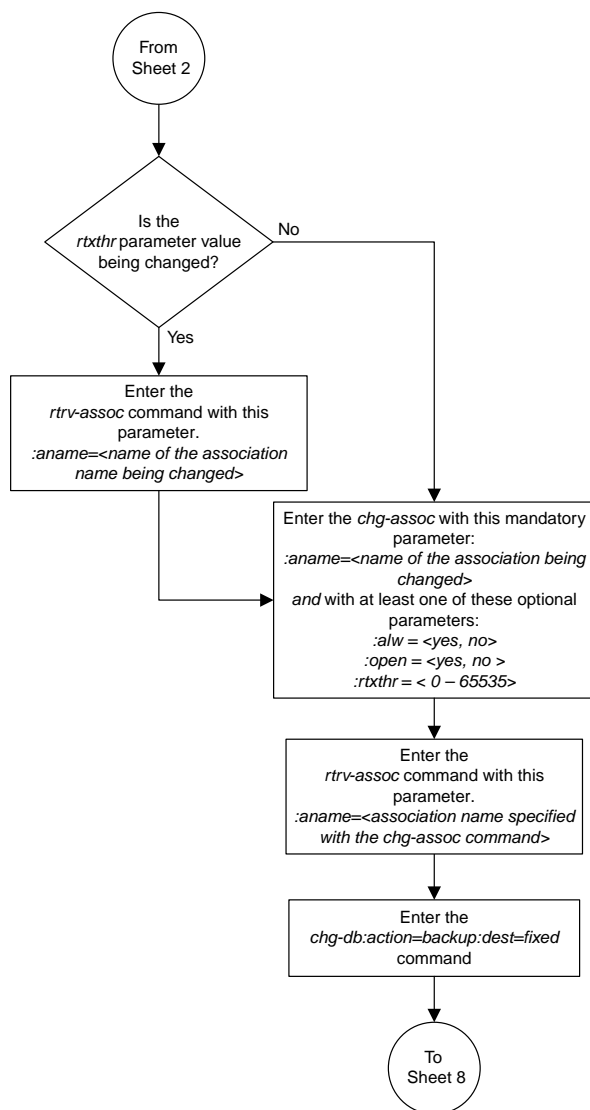
## Changing the Attributes of an M3UA or SUA Association



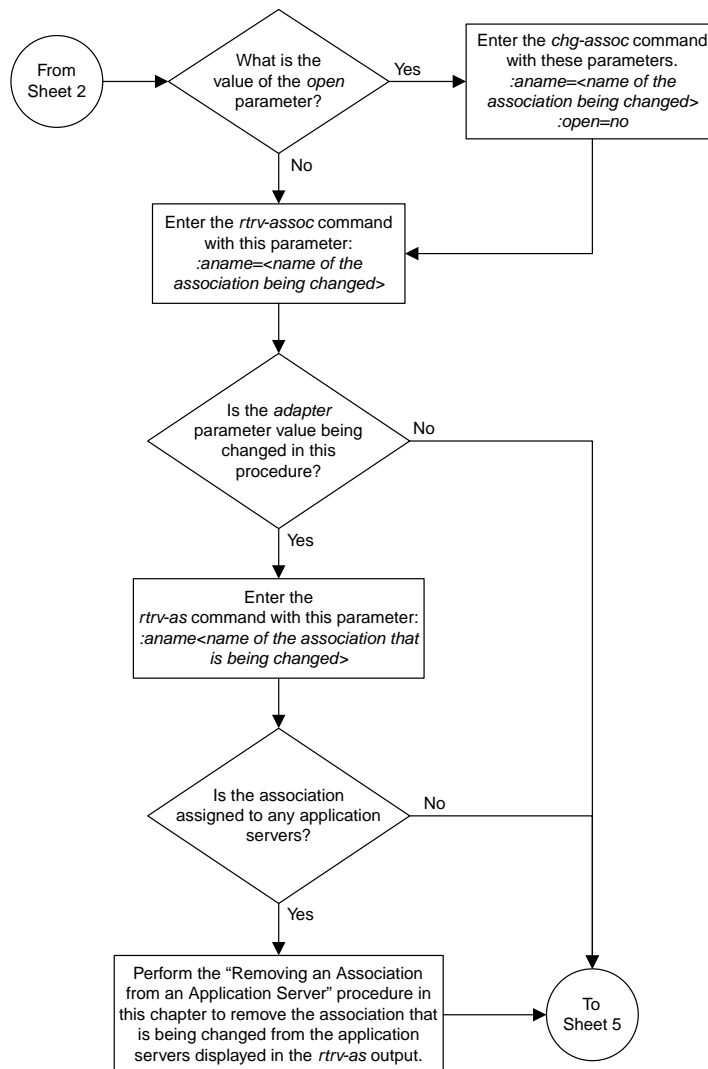


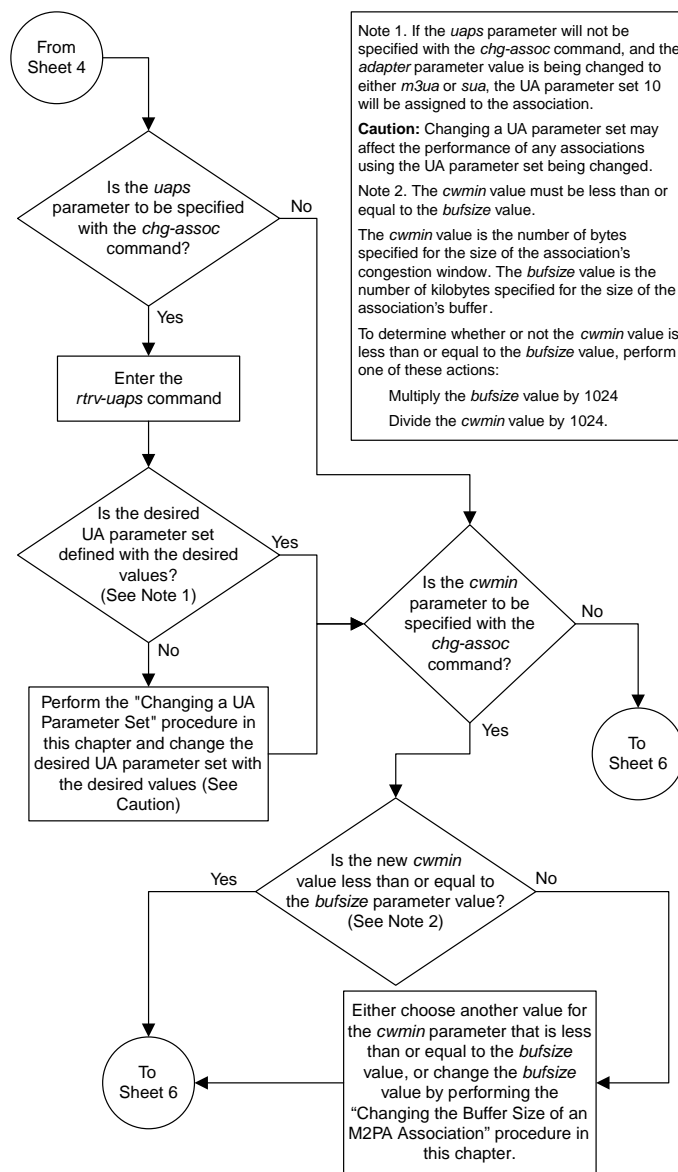
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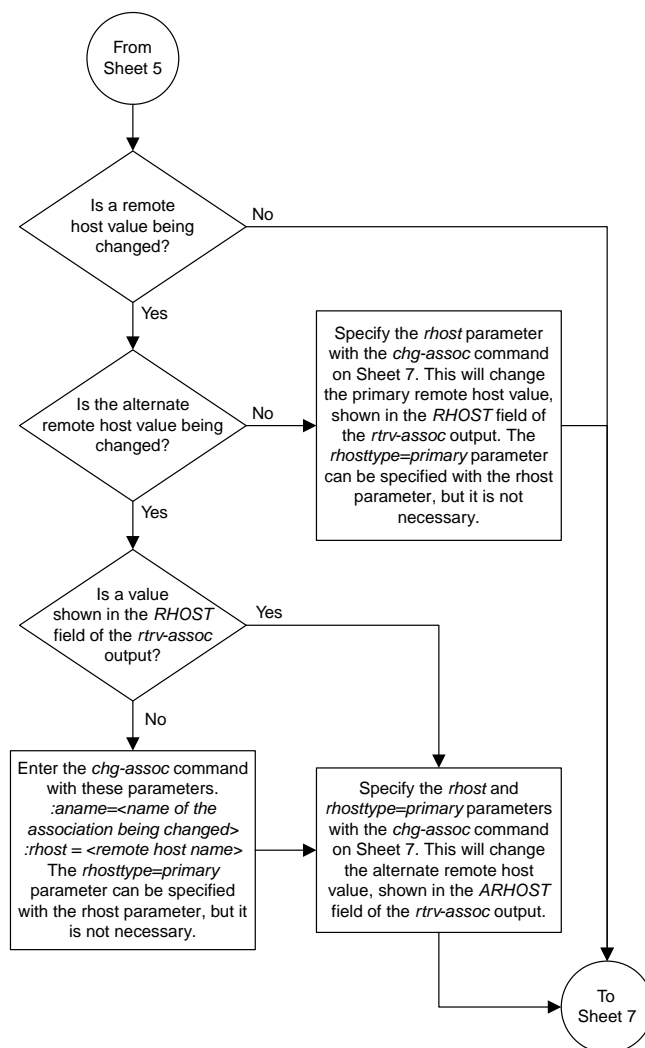




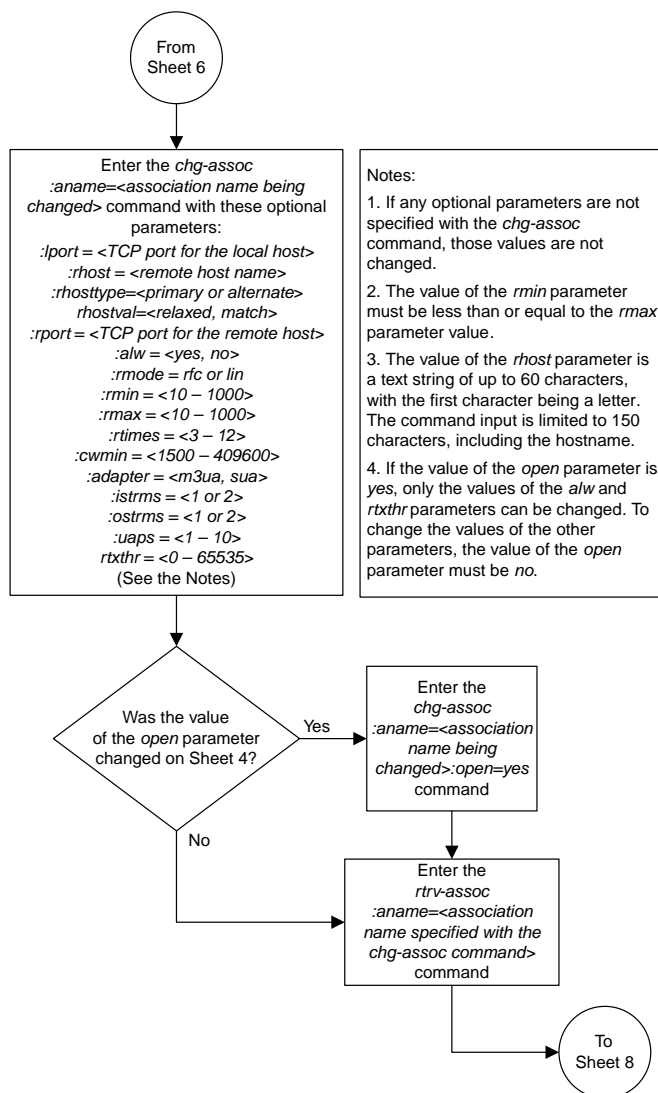
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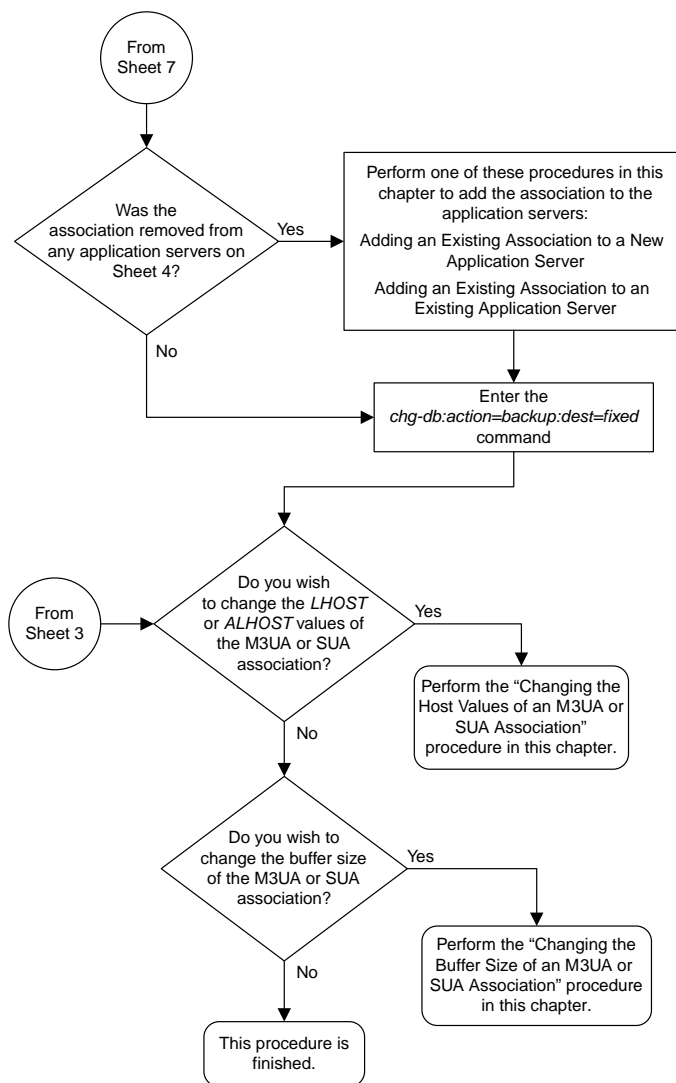






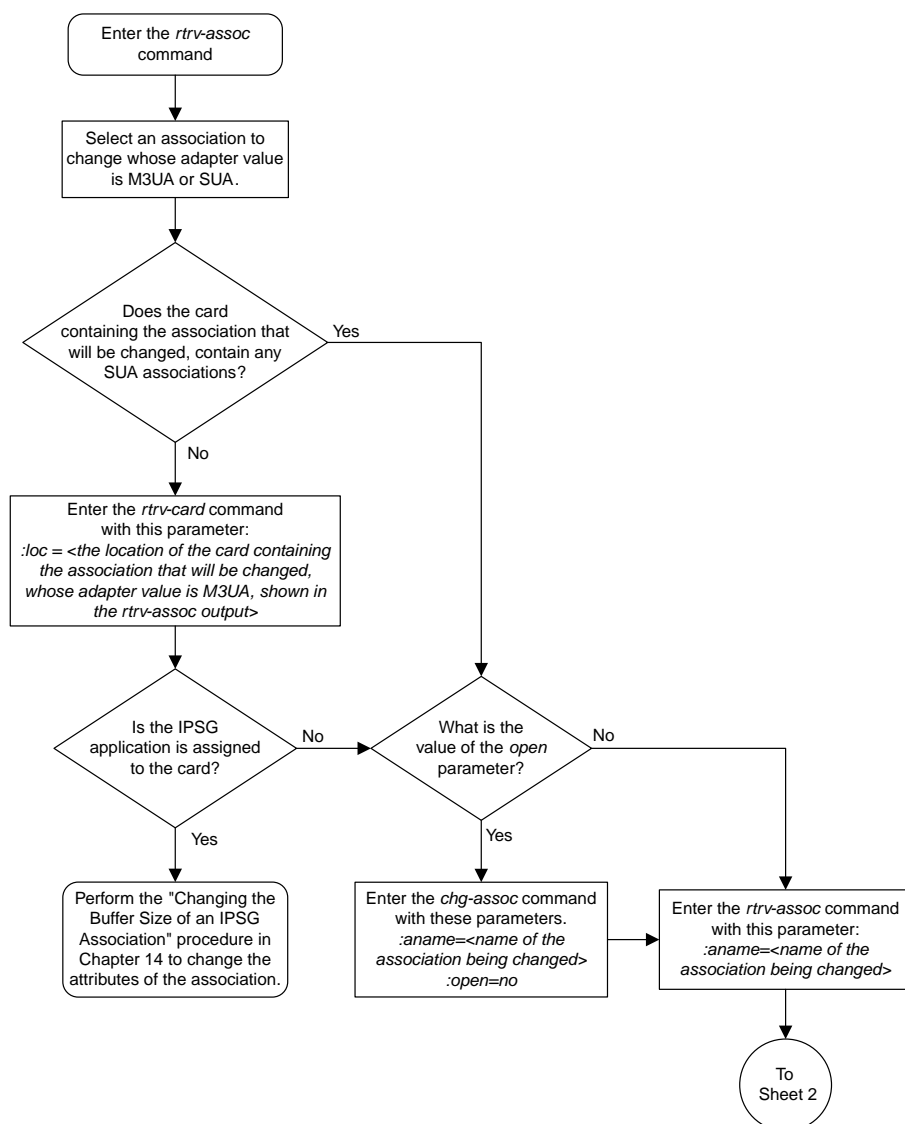
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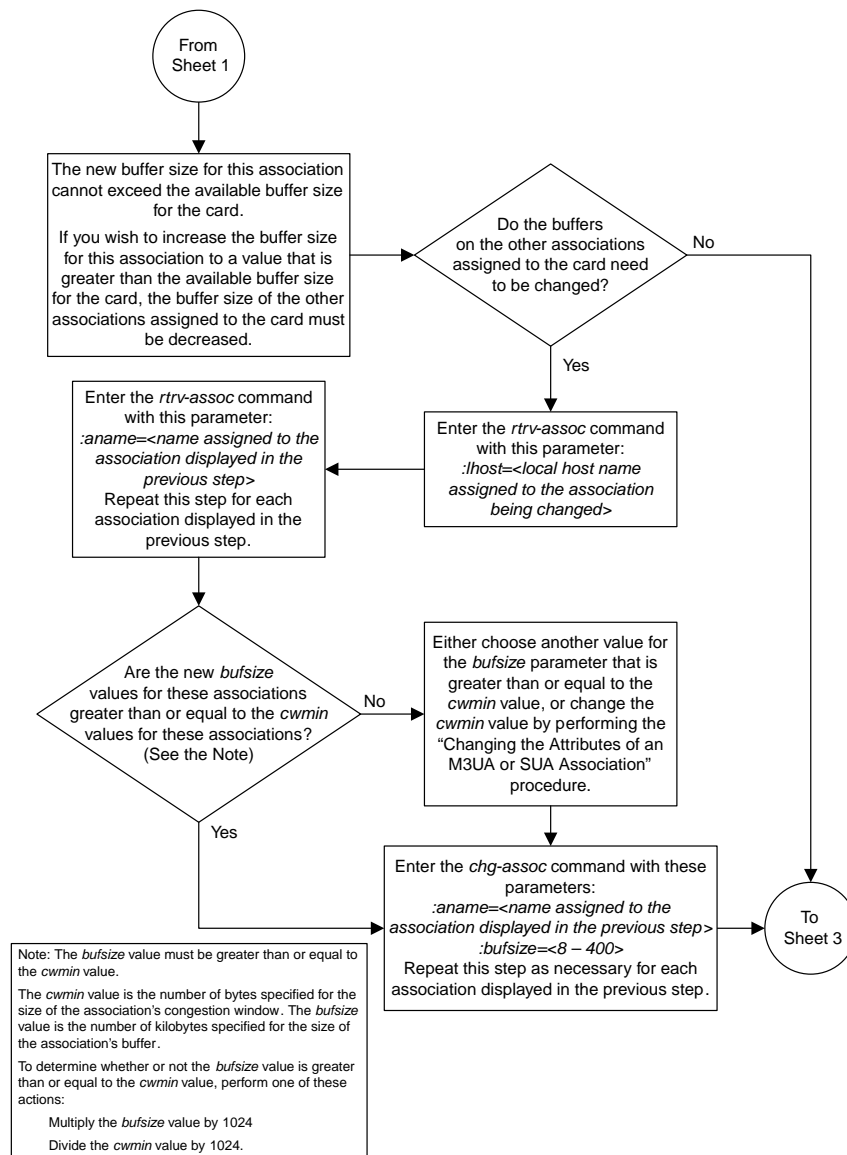


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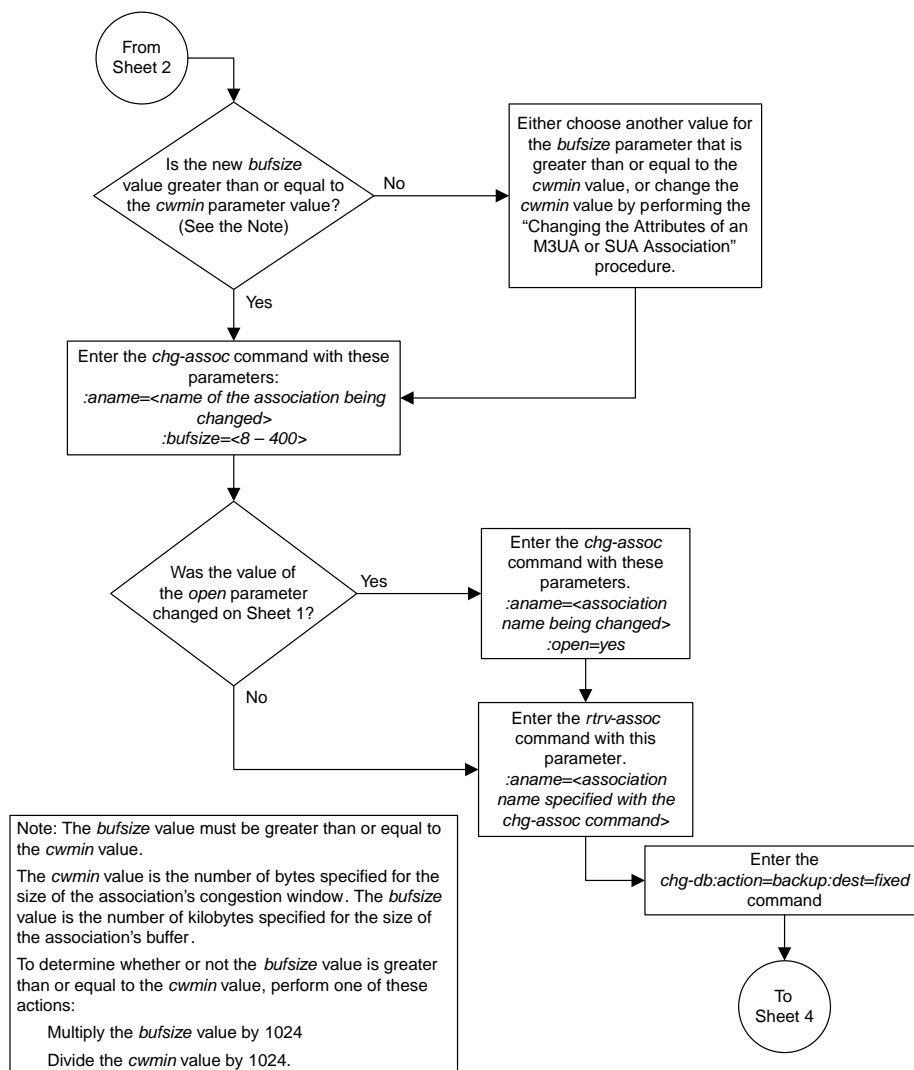
## Changing the Buffer Size of an M3UA or SUA Association



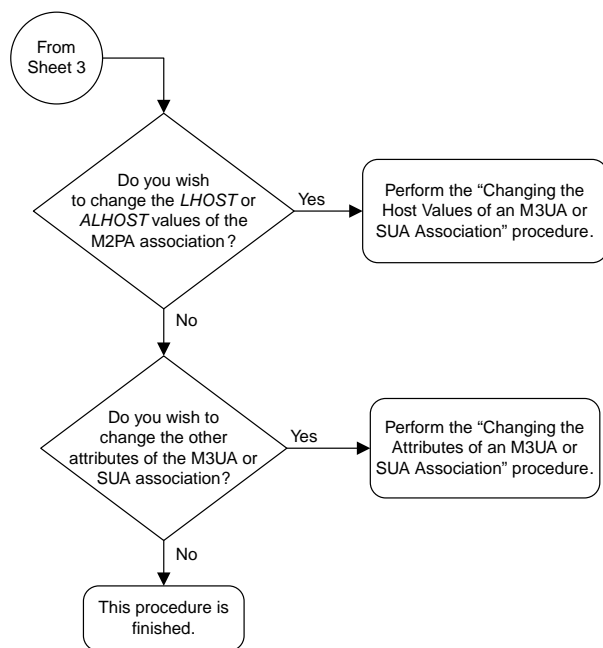
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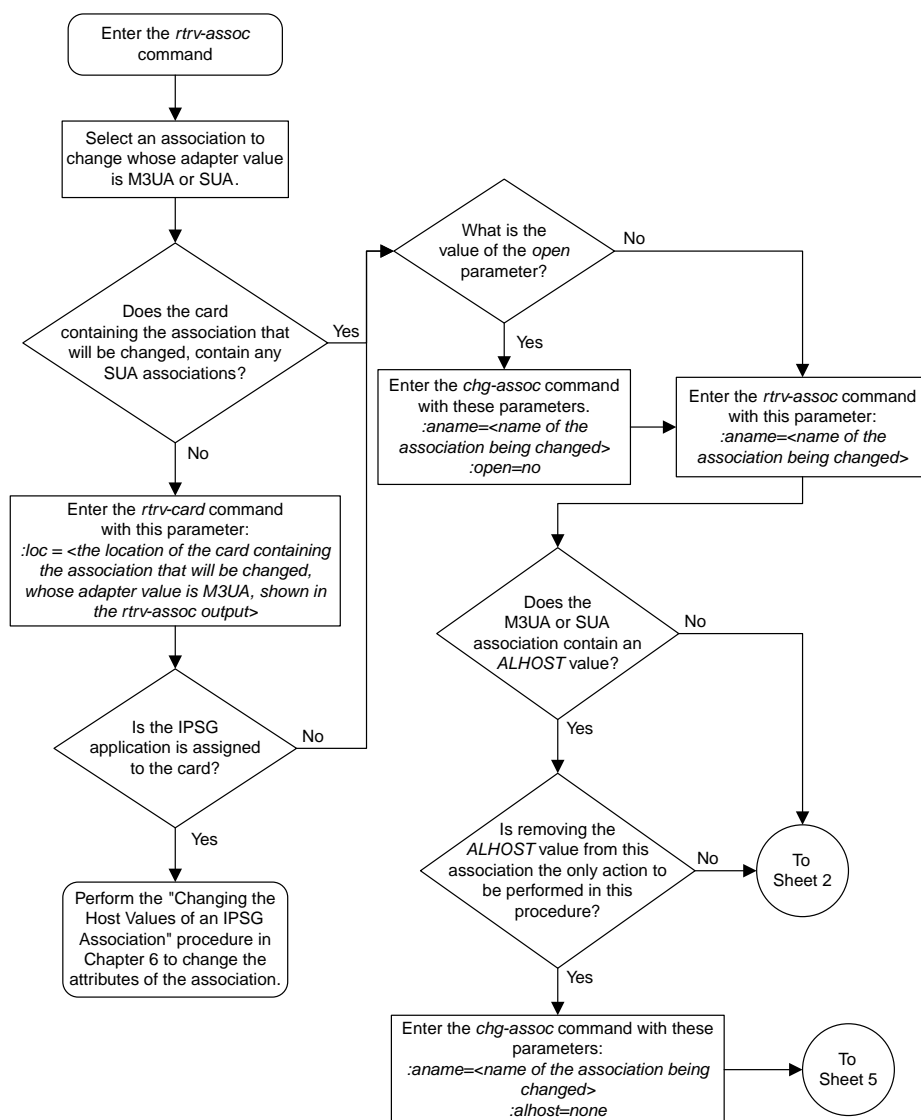


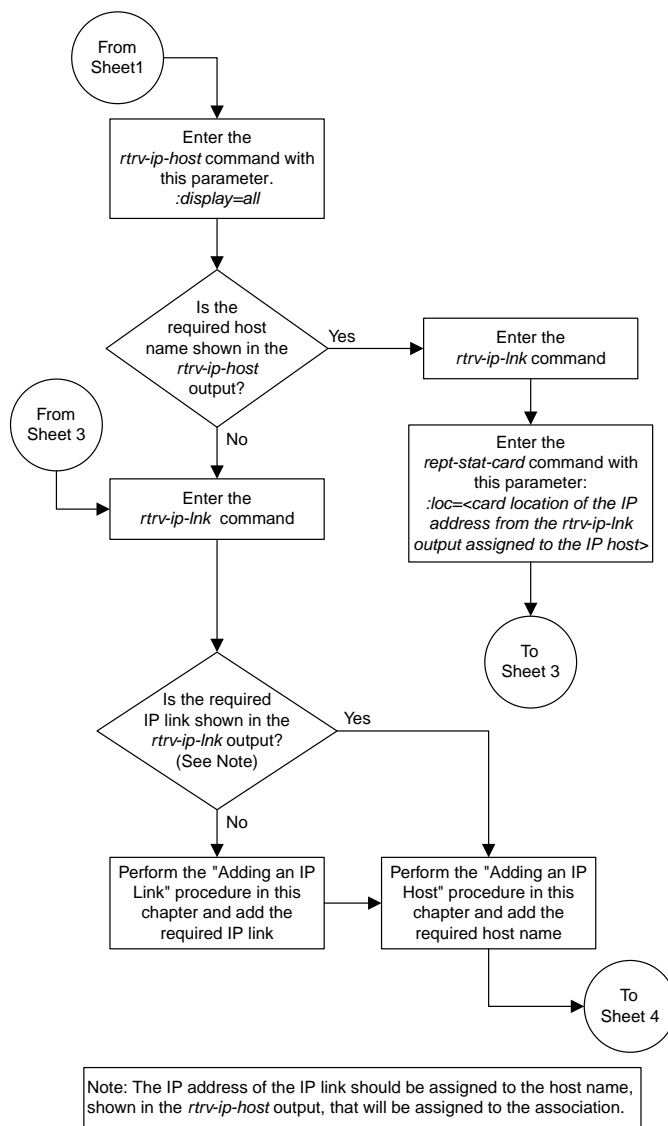


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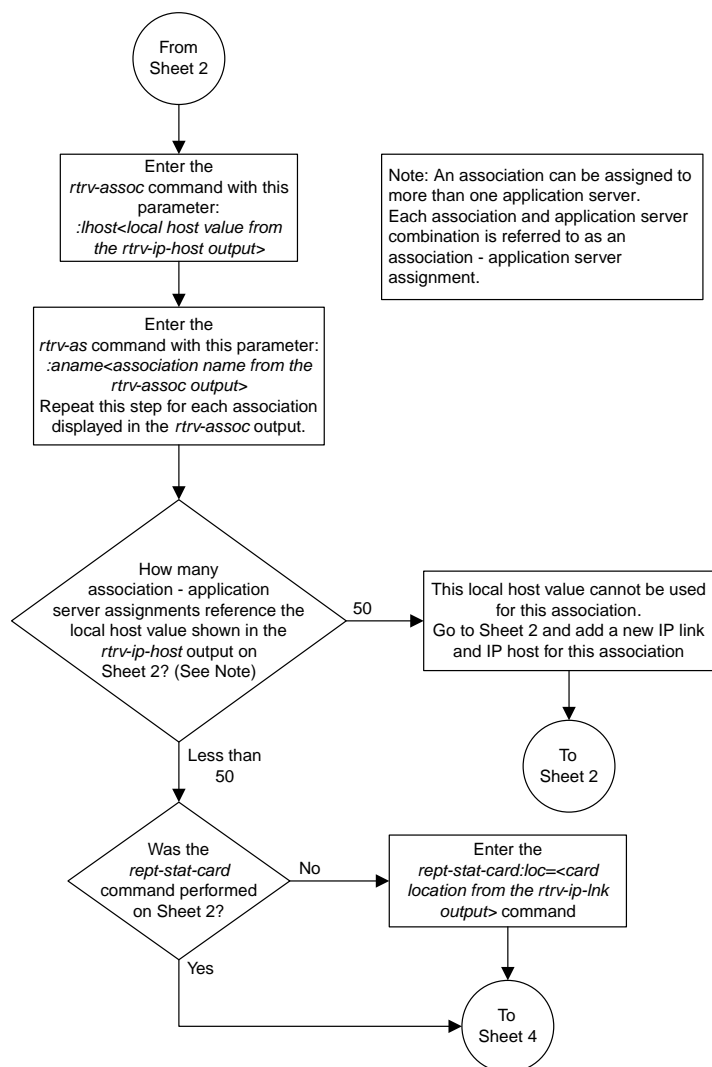


## Changing the Host Values of an M3UA or SUA Association

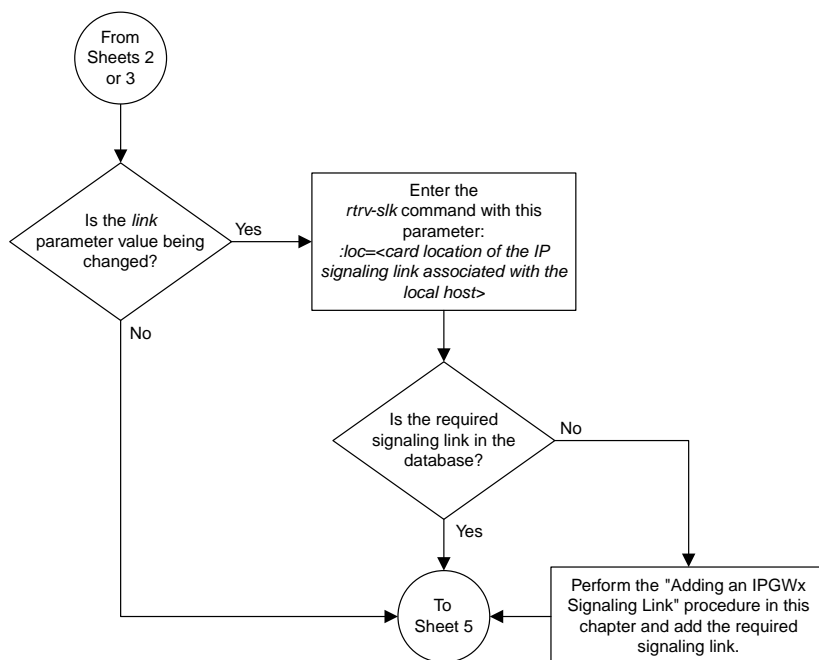


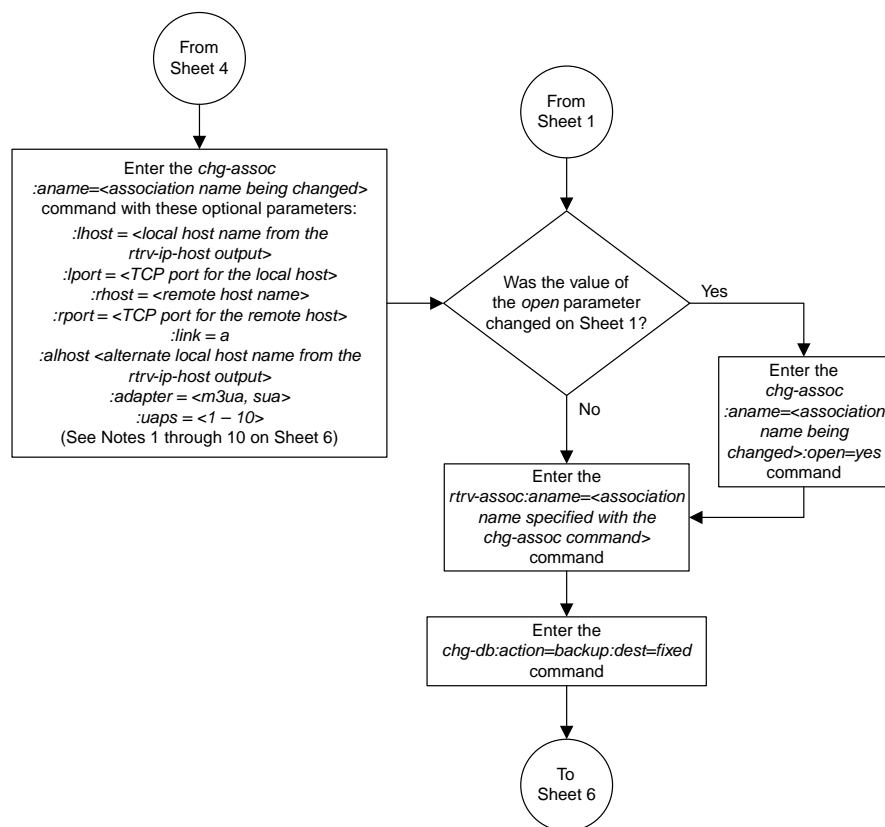


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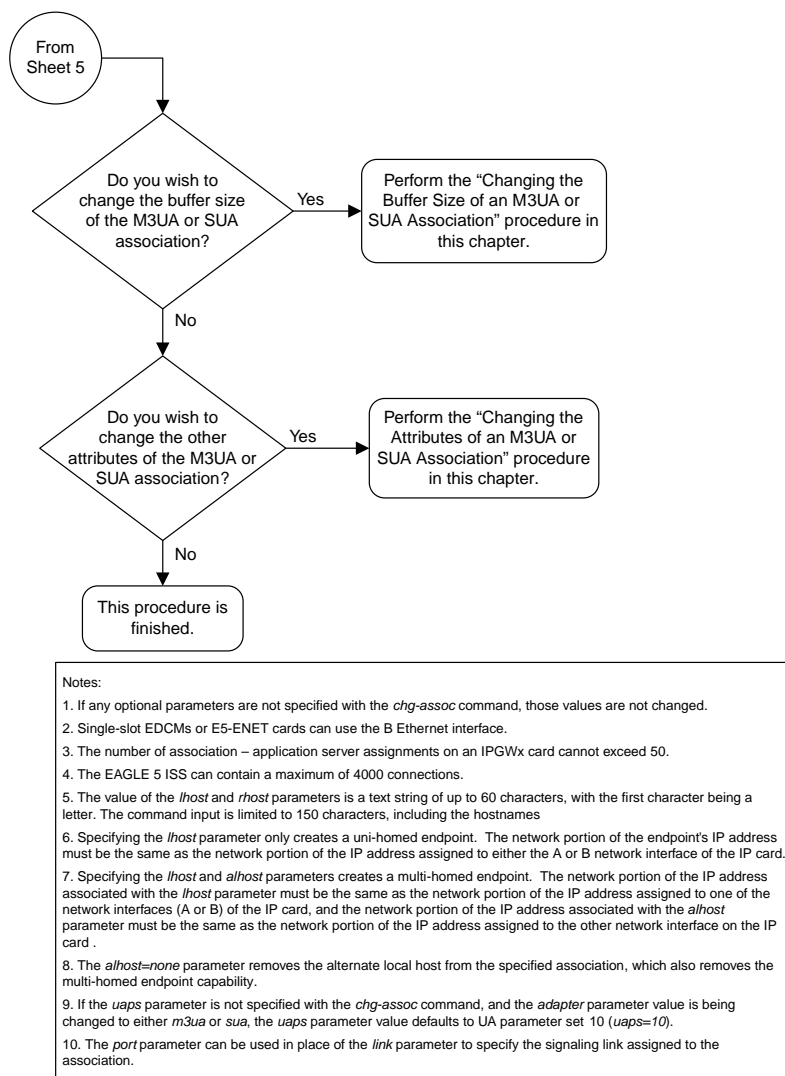


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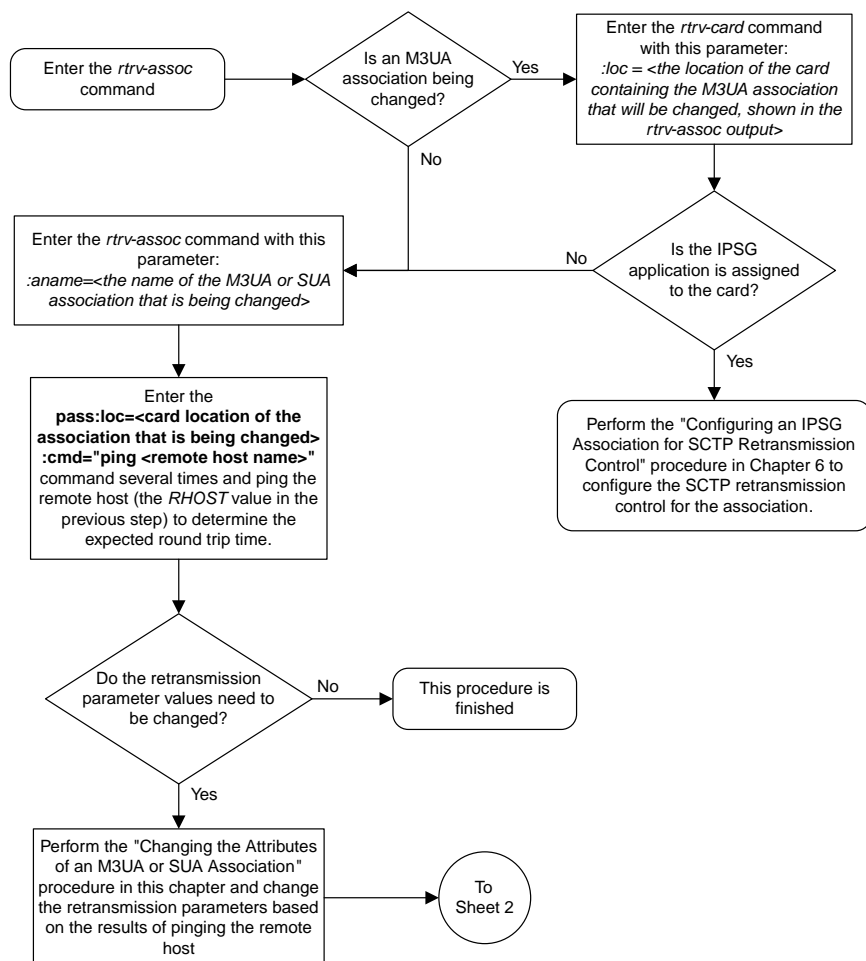


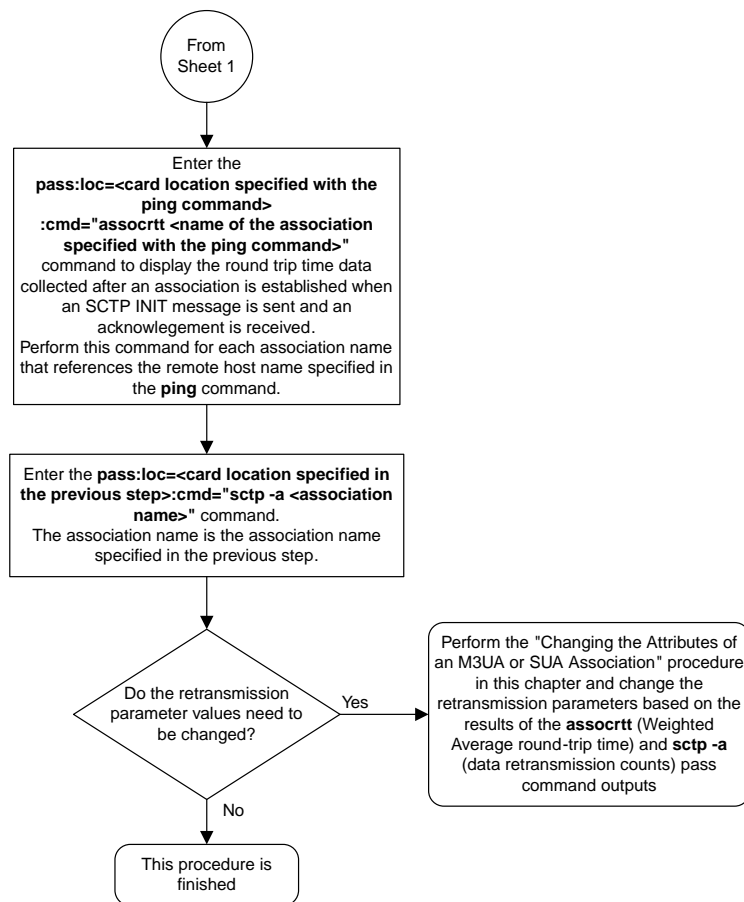
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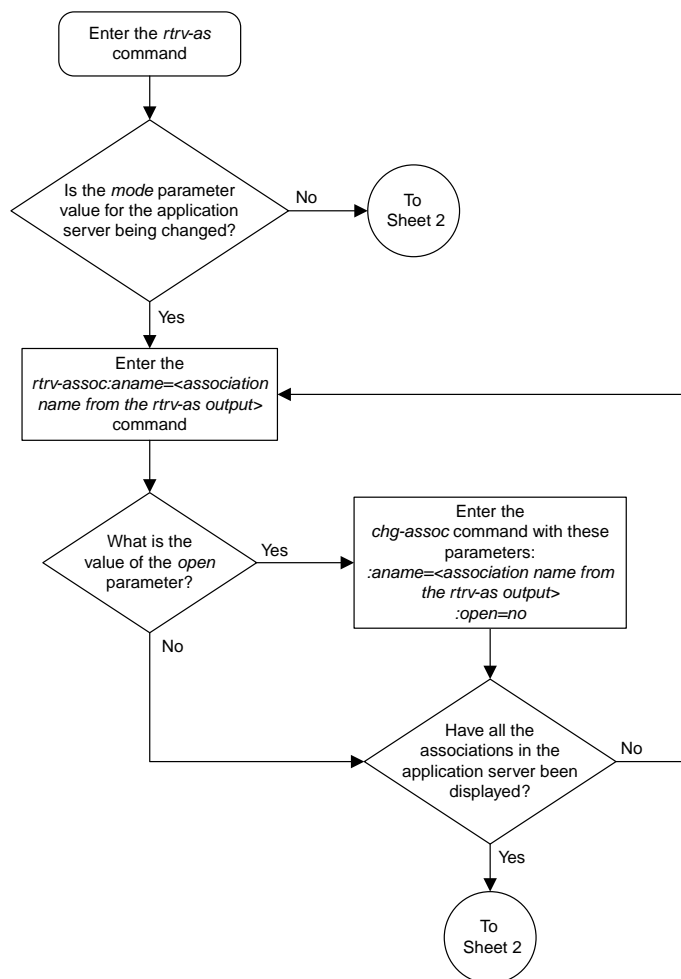
## Configuring SCTP Retransmission Control for an M3UA or SUA Association



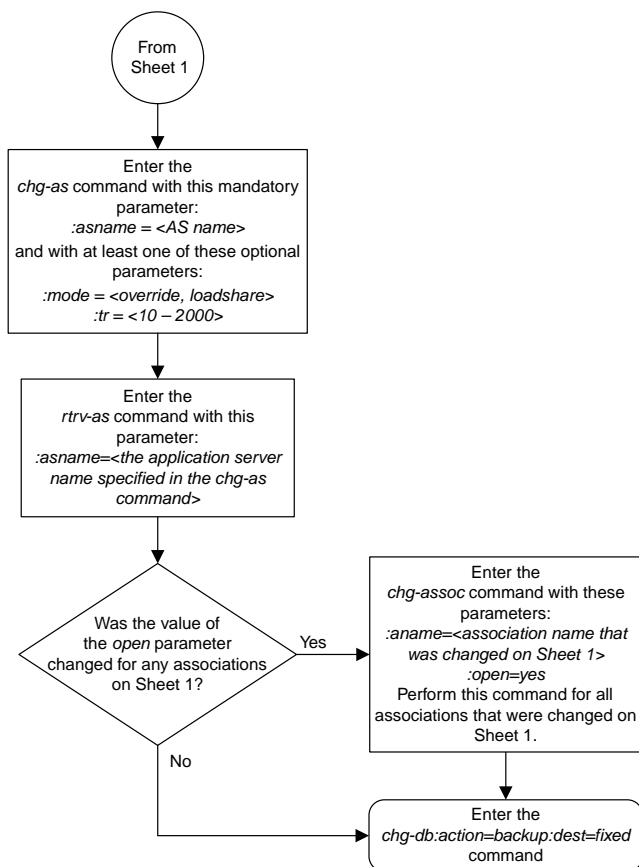


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## Changing an Application Server

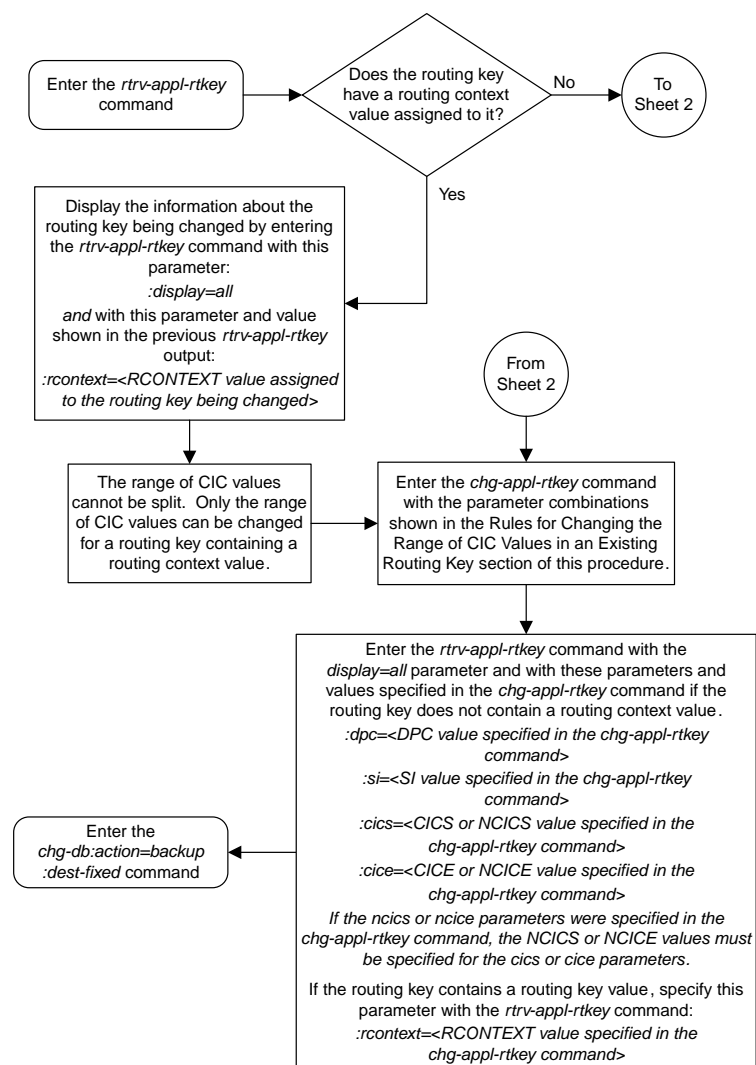


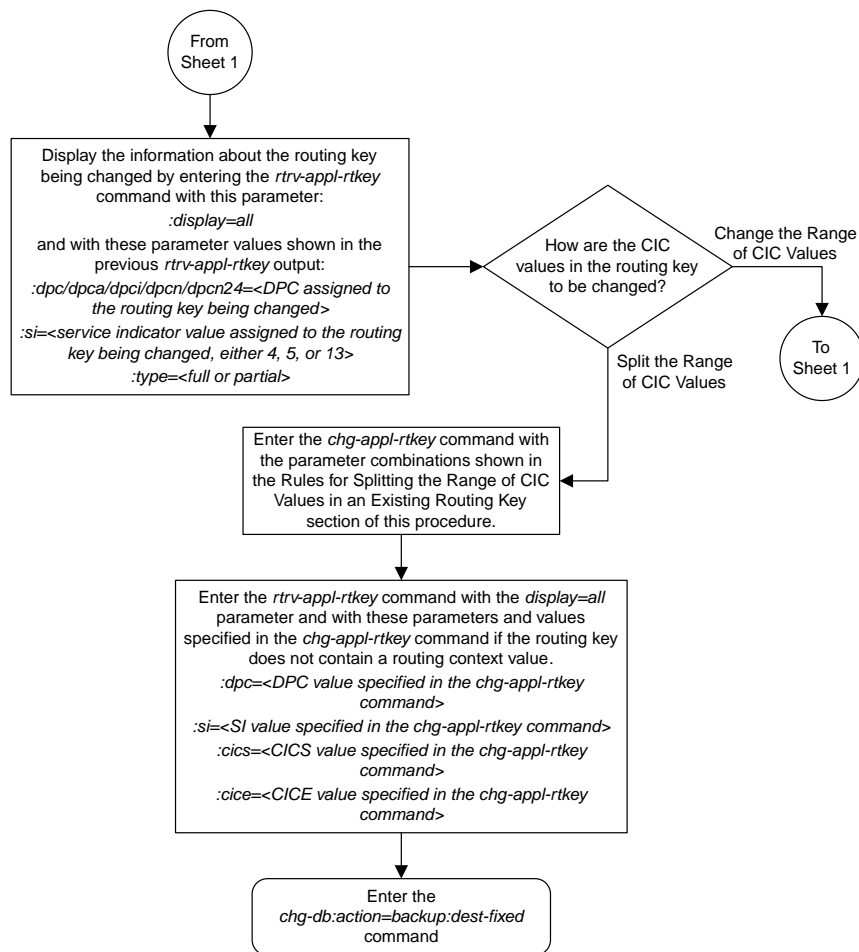
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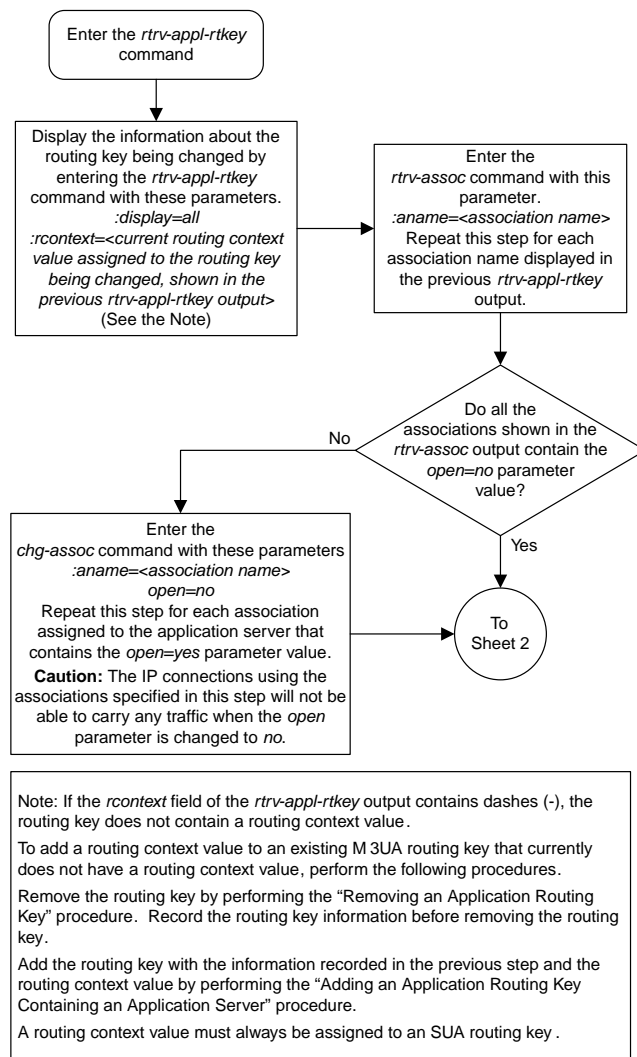
## Changing the CIC Values in an Existing Routing Key Containing an Application Server

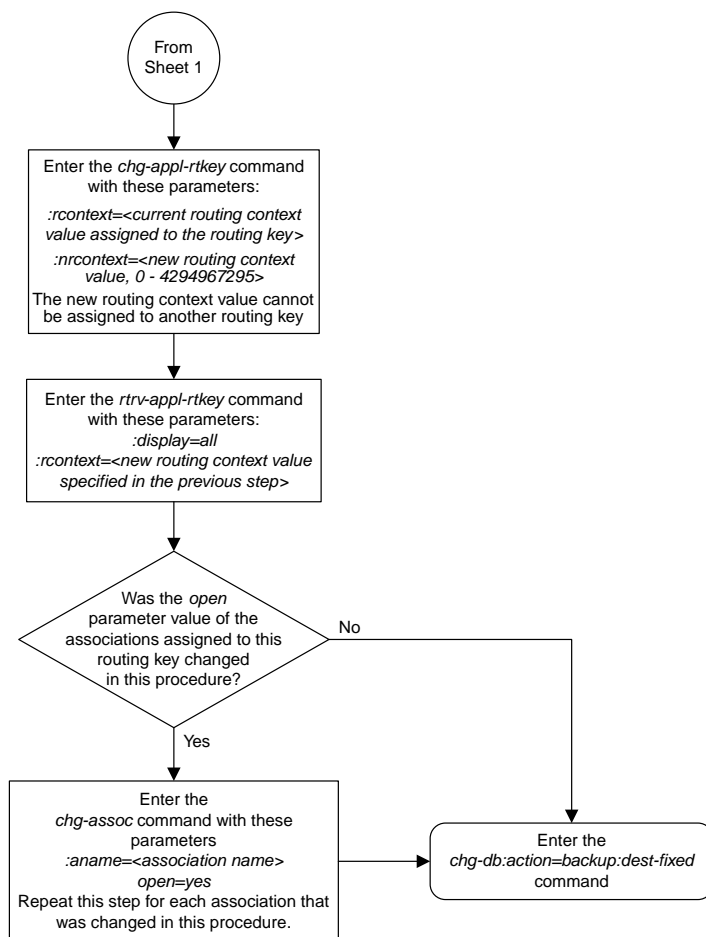




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## Changing the Routing Context Value in an Existing Routing Key

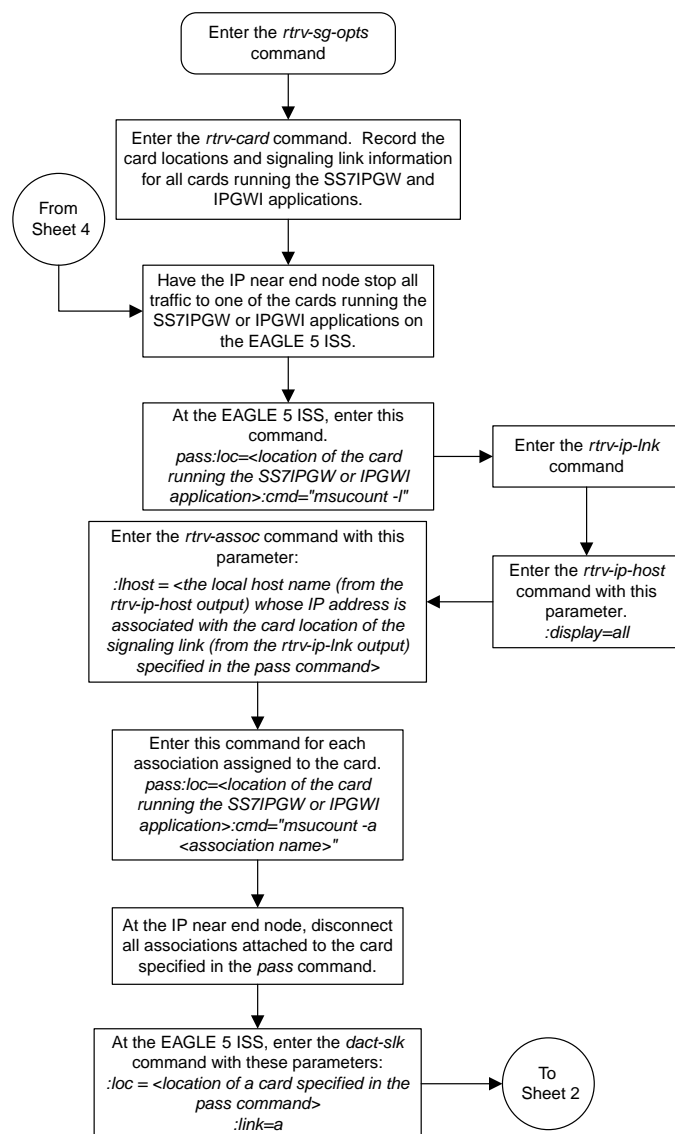


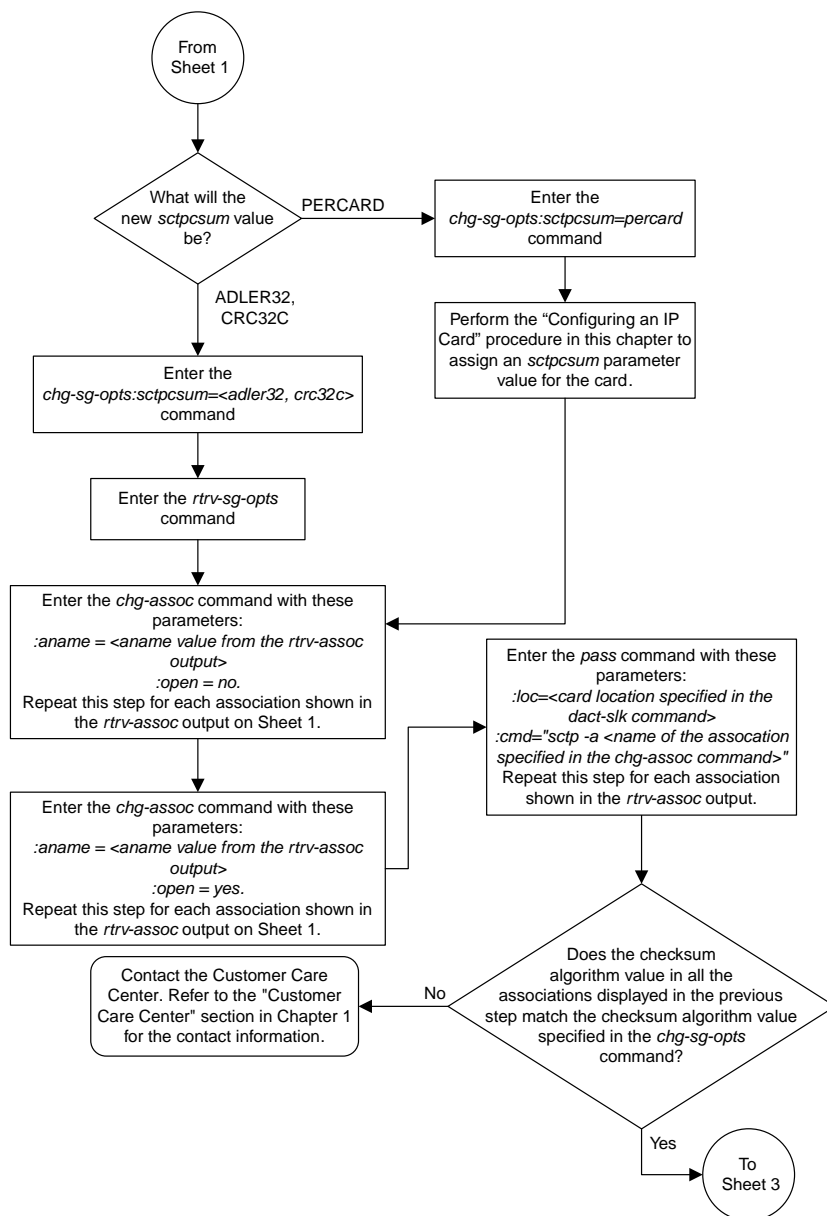


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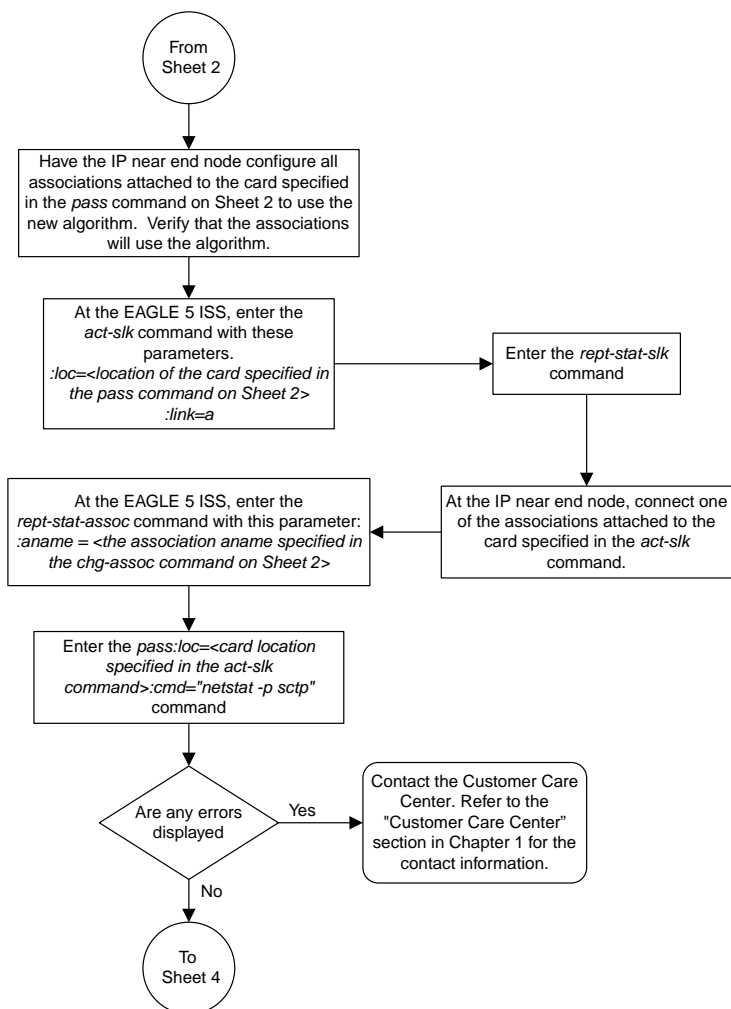


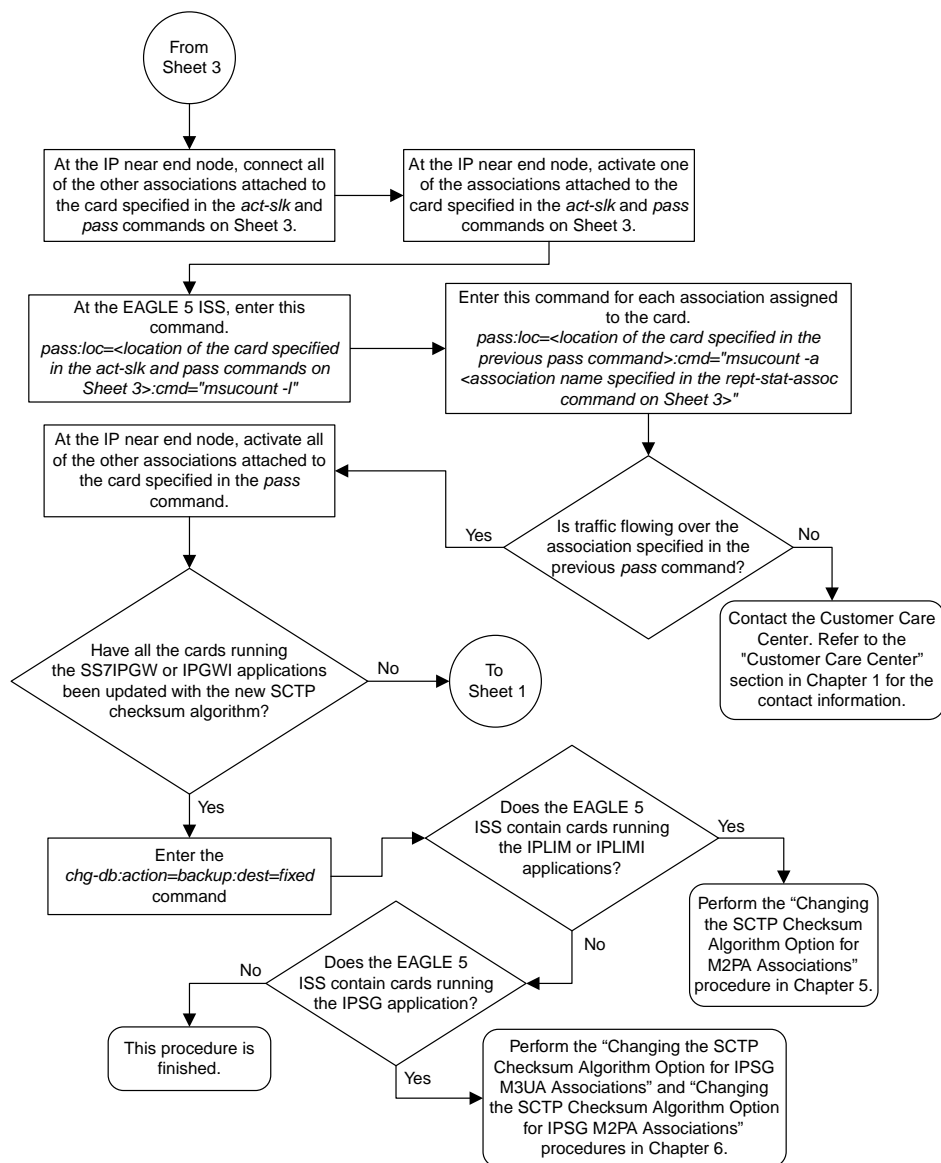
## Changing the SCTP Checksum Algorithm Option for M3UA and SUA Associations





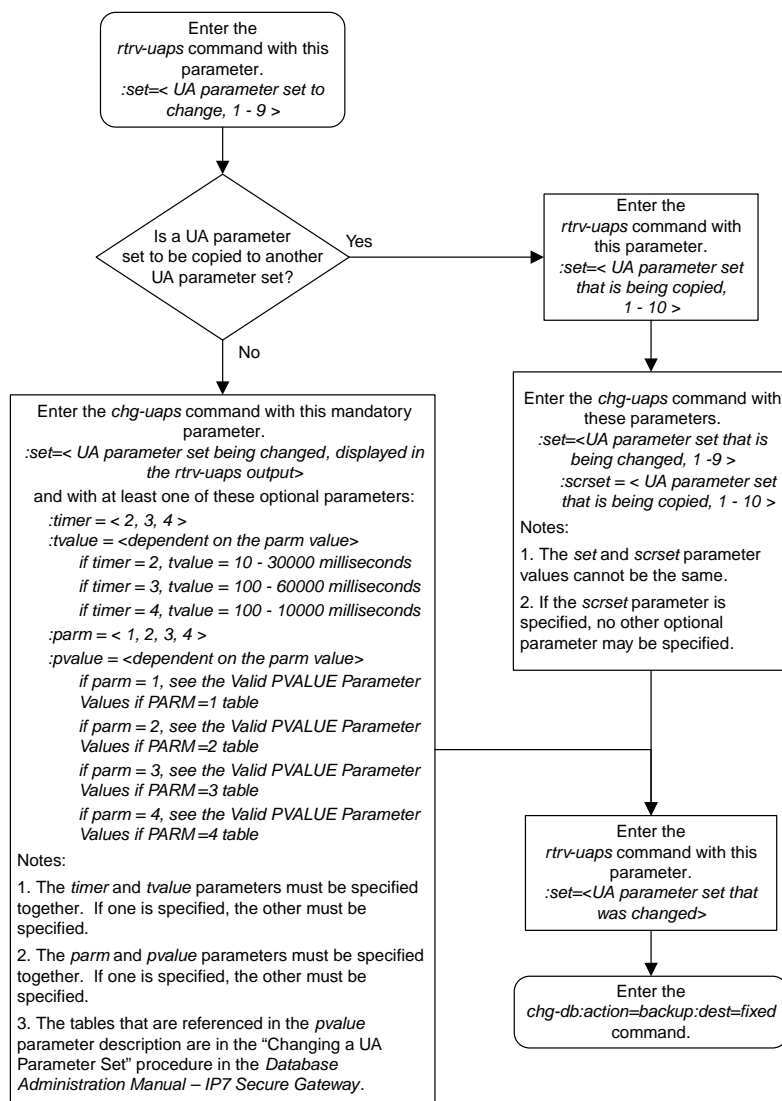
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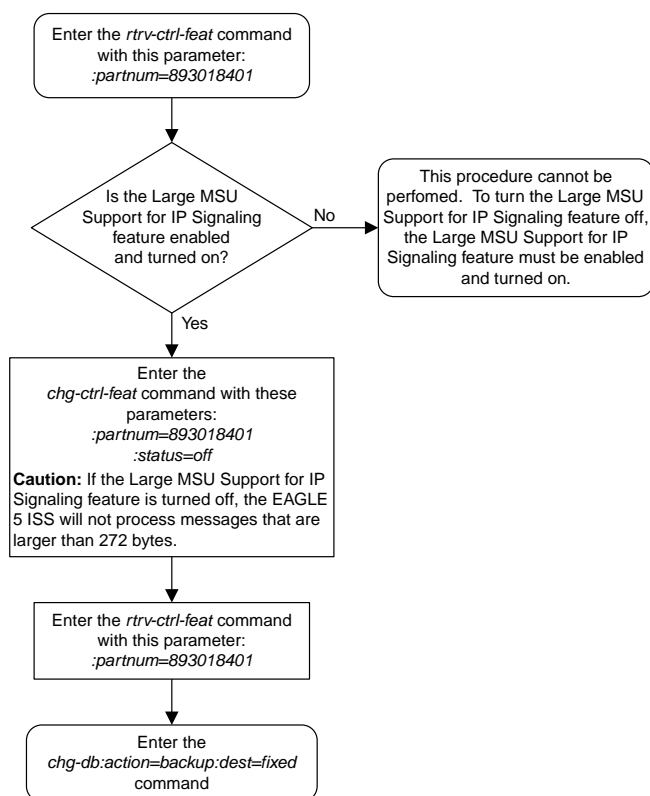


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## Changing a UA Parameter Set



## Turning the Large MSU Support for IP Signaling Feature Off



# Chapter 14

## IPSG M2PA and M3UA Configuration Flowcharts

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### Topics:

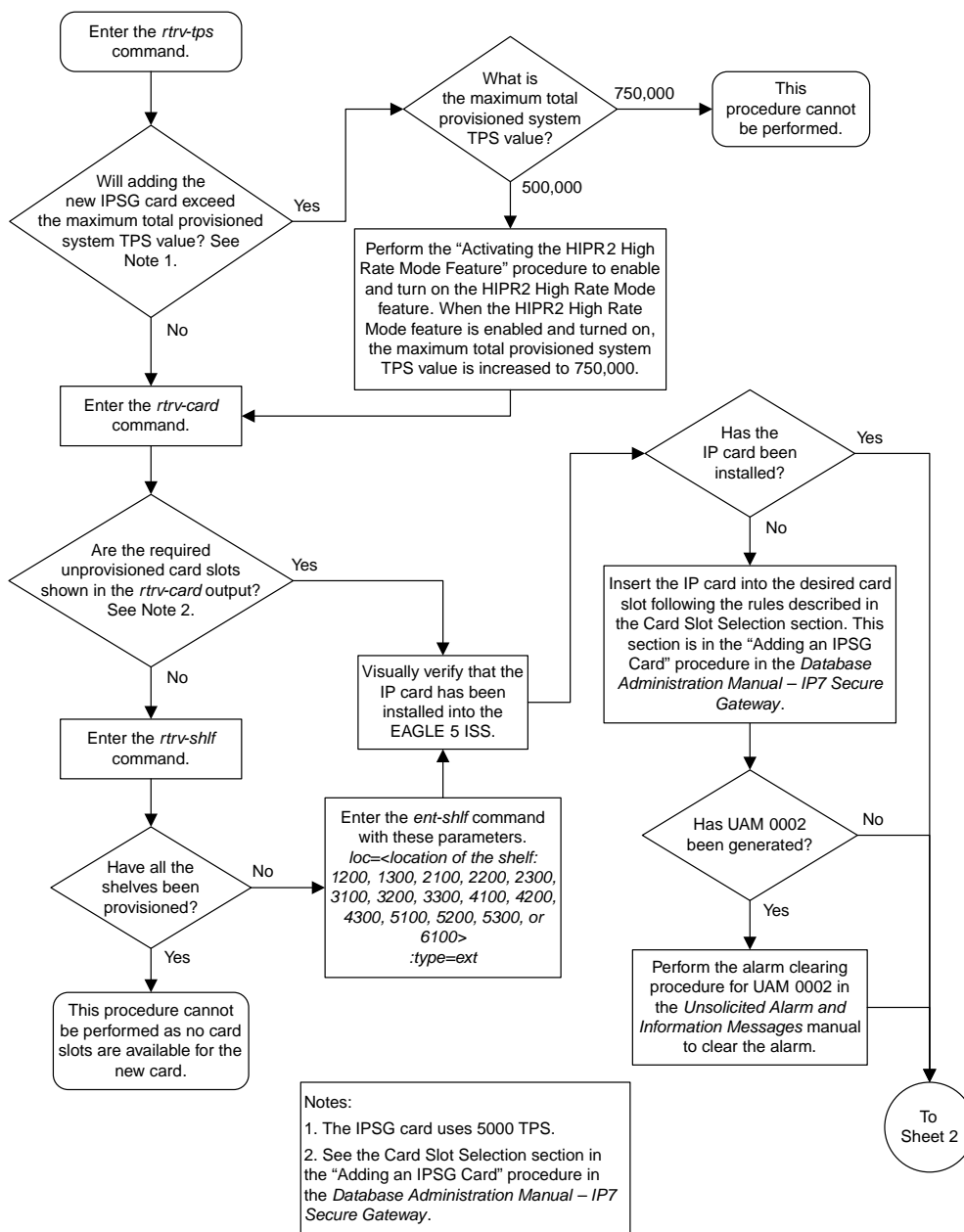
- [Adding an IPSG Card.....825](#)
- [Adding an IPSG M2PA Linkset.....827](#)
- [Adding an IPSG M3UA Linkset.....832](#)
- [Configuring an IP Link.....837](#)
- [Adding an IP Host.....846](#)
- [Configuring an IP Card.....847](#)
- [Adding an IP Route.....851](#)
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- [Adding an IPSG M3UA Association.....857](#)
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- [Adding a Network Appearance.....872](#)
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- [Removing an IPSG Card.....879](#)
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- [Removing an IP Host Assigned to an IPSG Card.....887](#)
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- [Changing an IPLIMx Card to an IPSG Card...898](#)
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- [Changing an IPSG M3UA Linkset.....909](#)
- [Changing the Attributes of an IPSG Association.....917](#)
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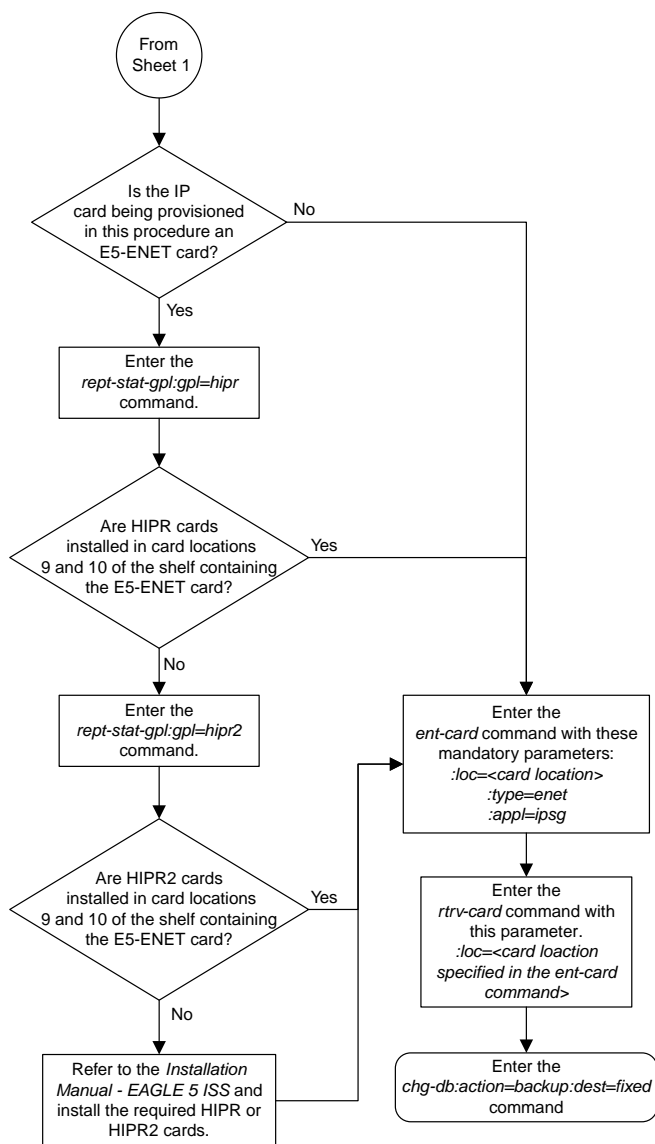
This chapter contains the flowcharts for the IPSG M2PA and M3UA configuration procedures located in the *Database Administration Manual - IP7 Secure Gateway*.

- *Changing the Host Values of an IPSG Association.....926*
- *Configuring an IPSG Association for SCTP Retransmission Control.....932*
- *Changing the SCTP Checksum Algorithm Option for IPSG M2PA Associations.....934*
- *Changing the SCTP Checksum Algorithm Option for IPSG M3UA Associations.....937*
- *Changing an M2PA Timer Set.....941*
- *Changing a UA Parameter Set.....942*
- *Turning the Large MSU Support for IP Signaling Feature Off.....943*



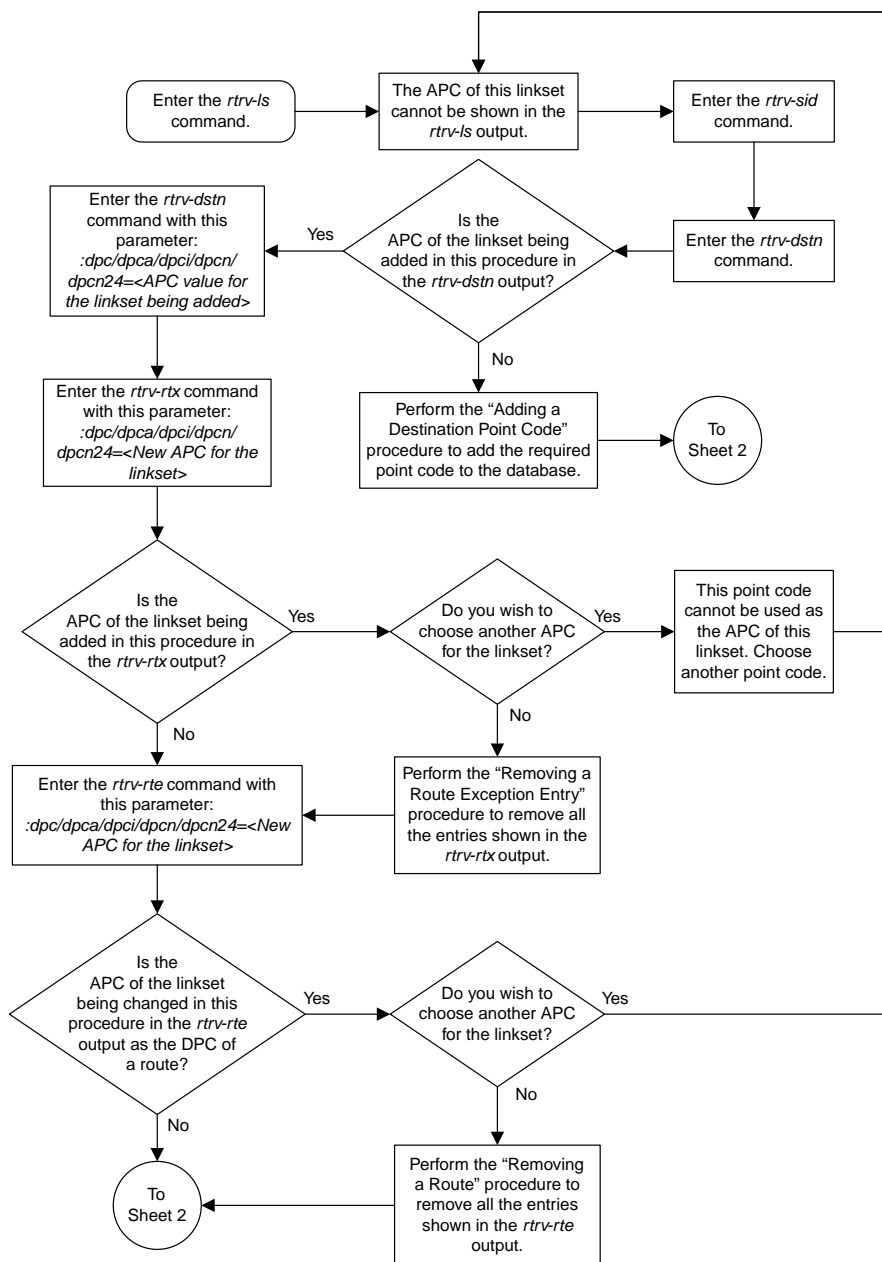
## Adding an IPSG Card



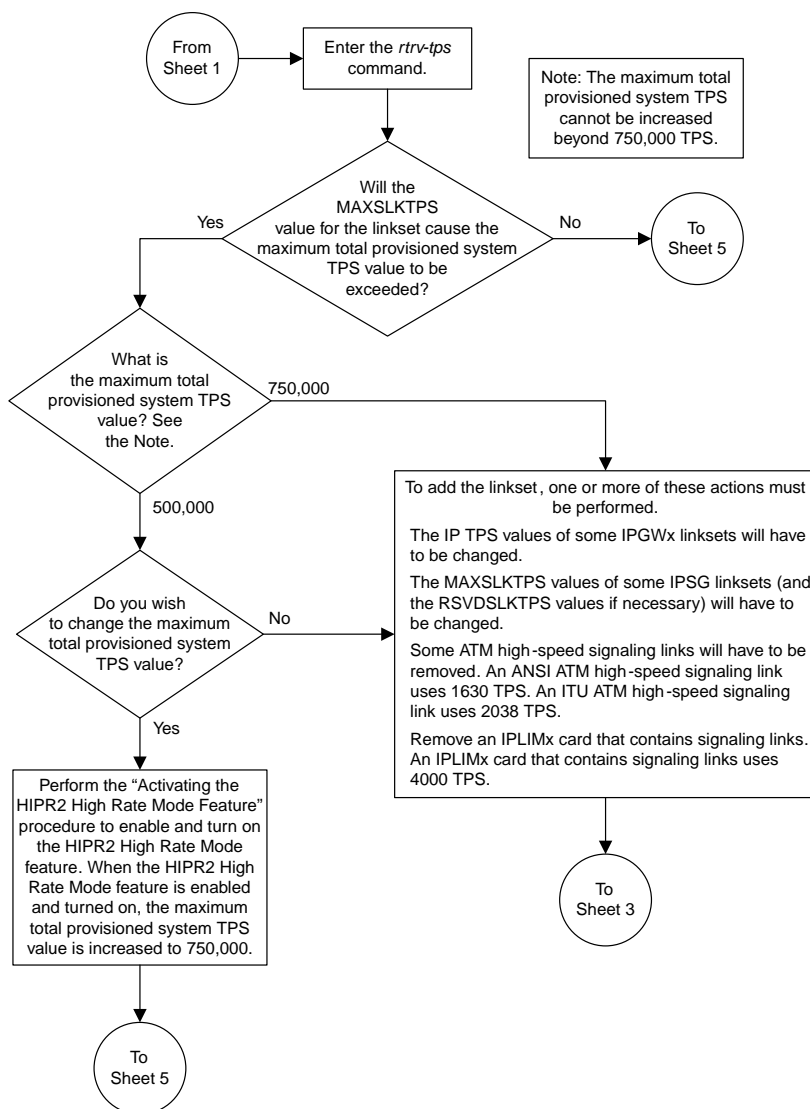


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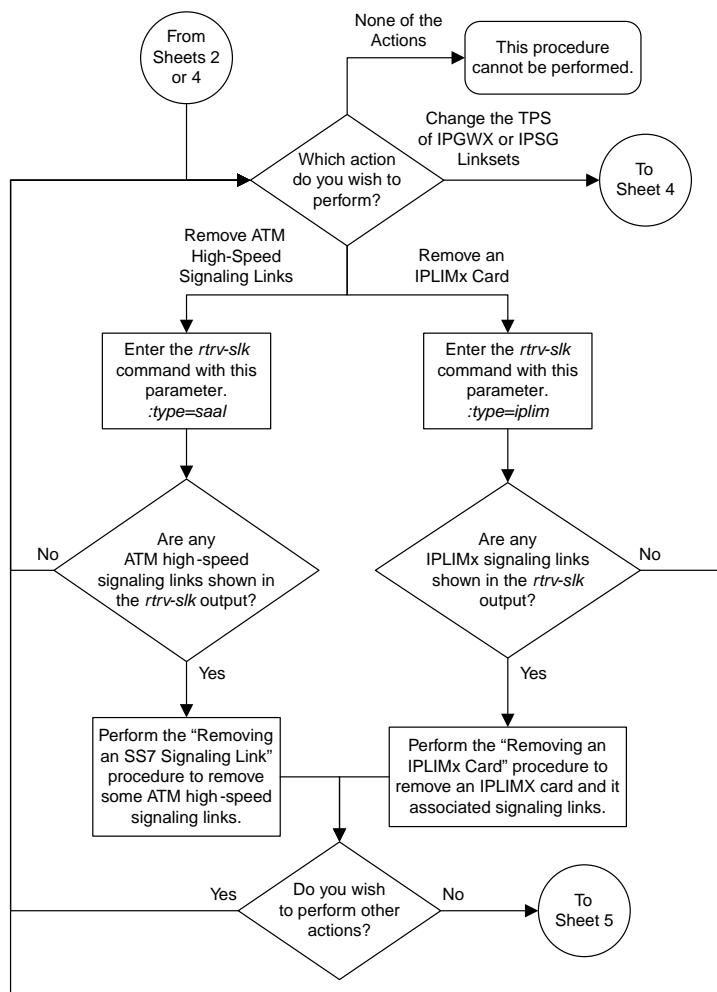
## Adding an IPSG M2PA Linkset



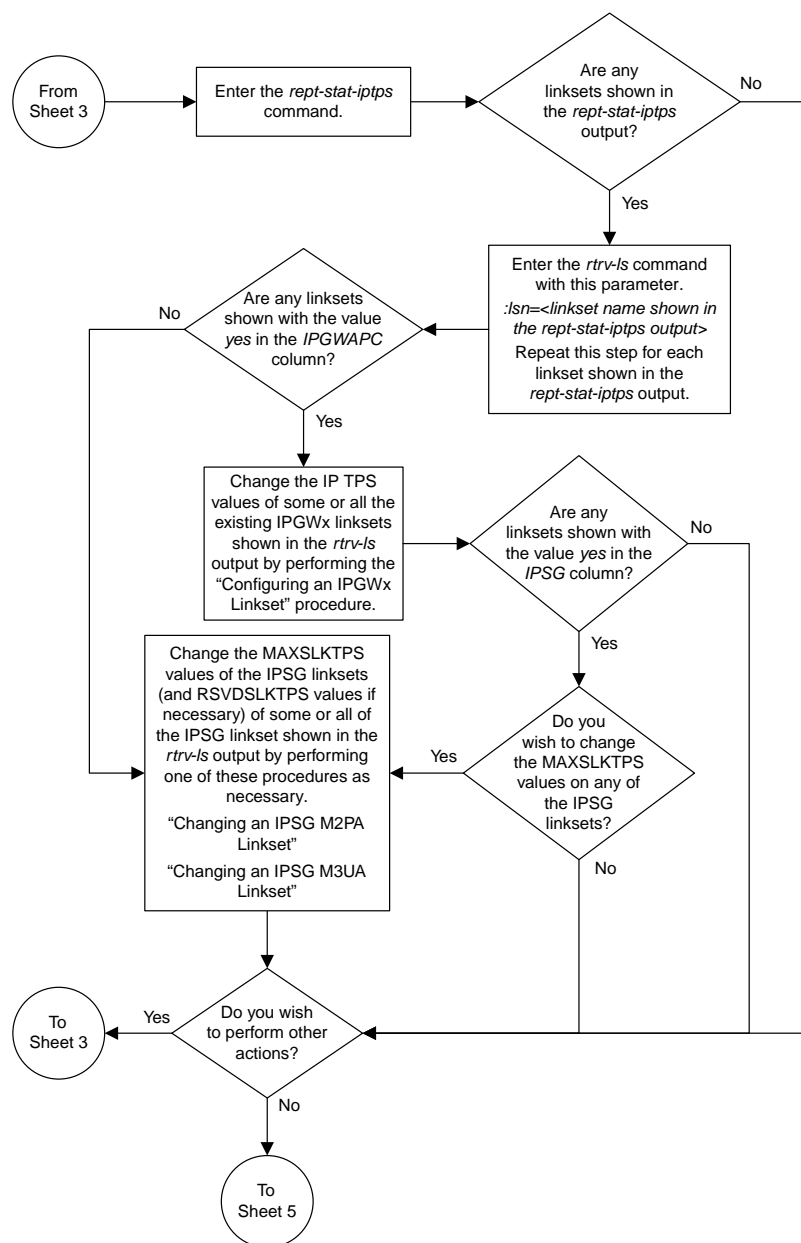
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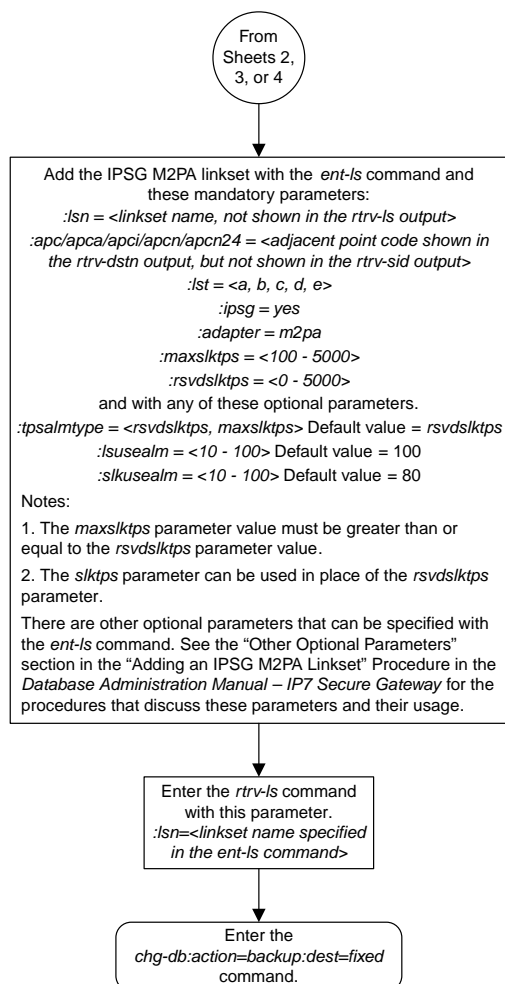


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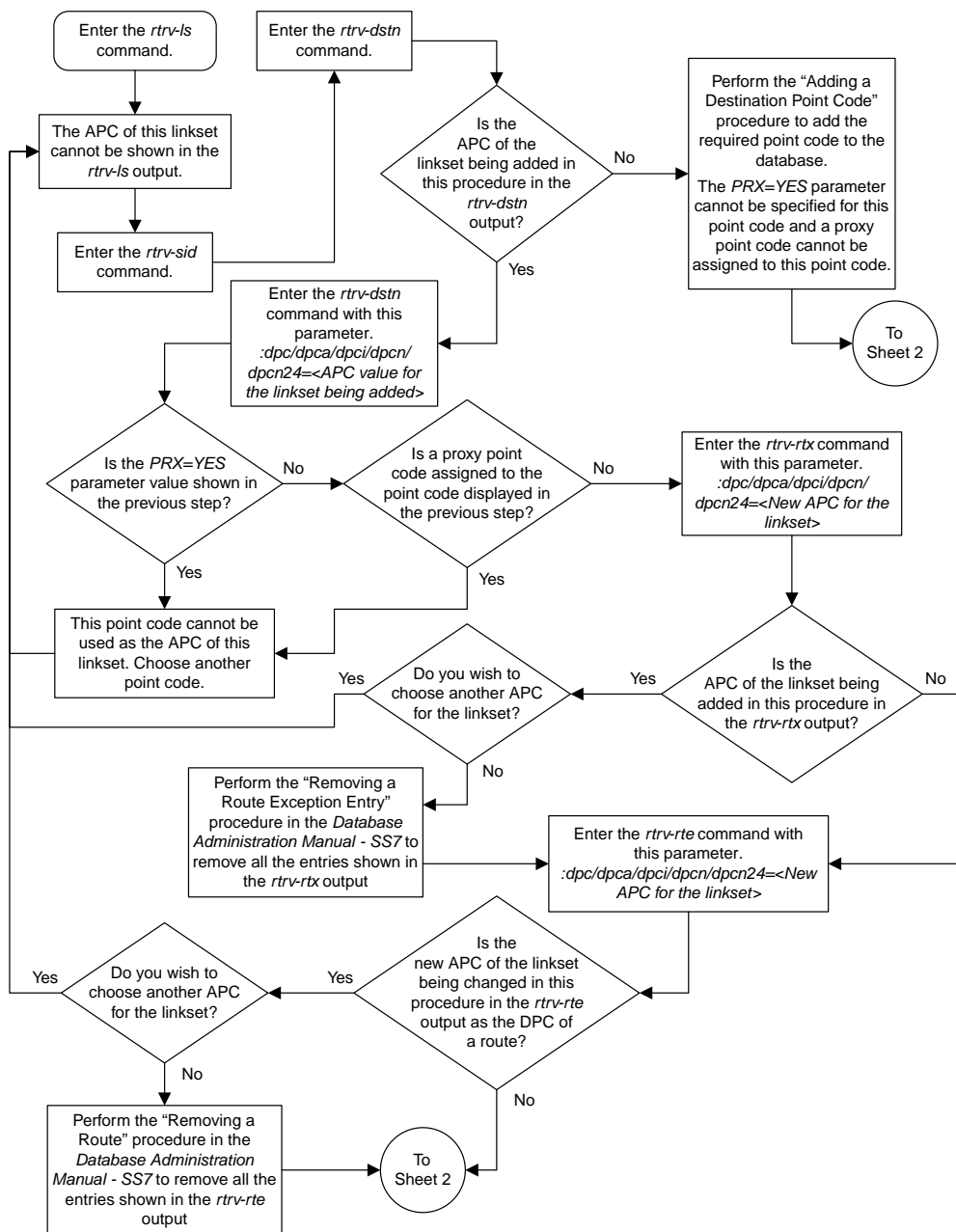


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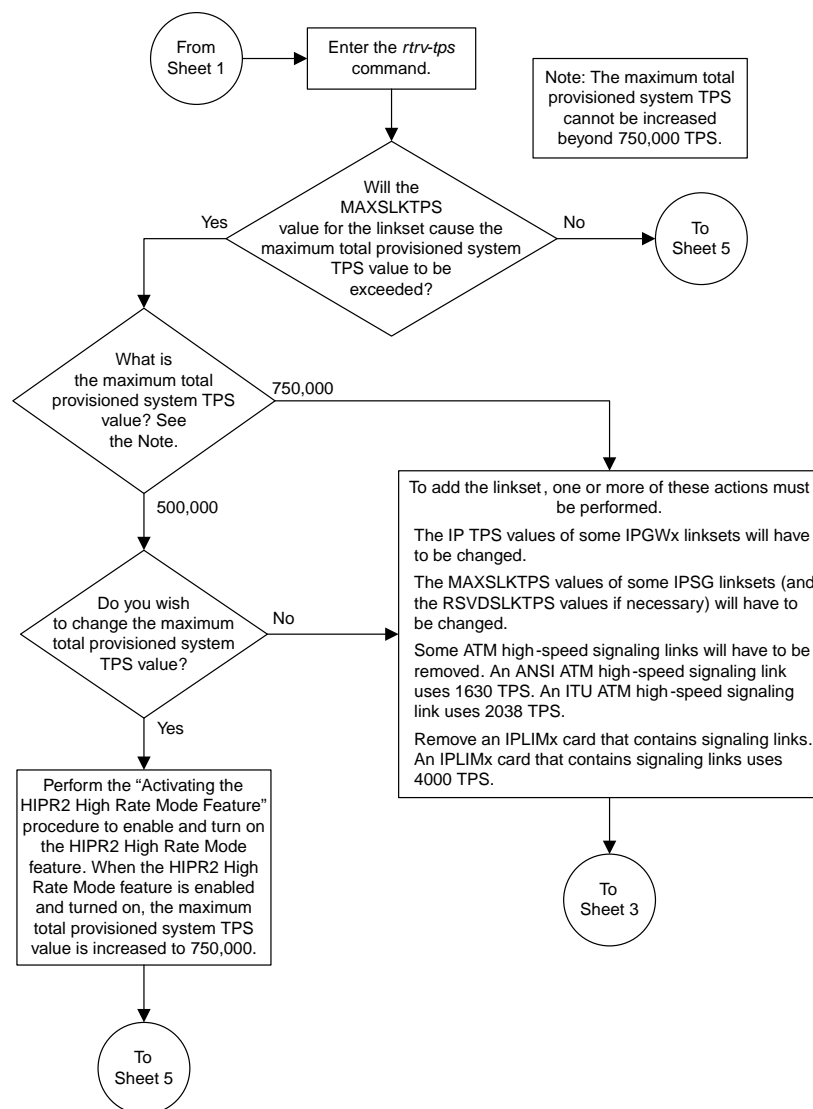


## Adding an IPSG M3UA Linkset

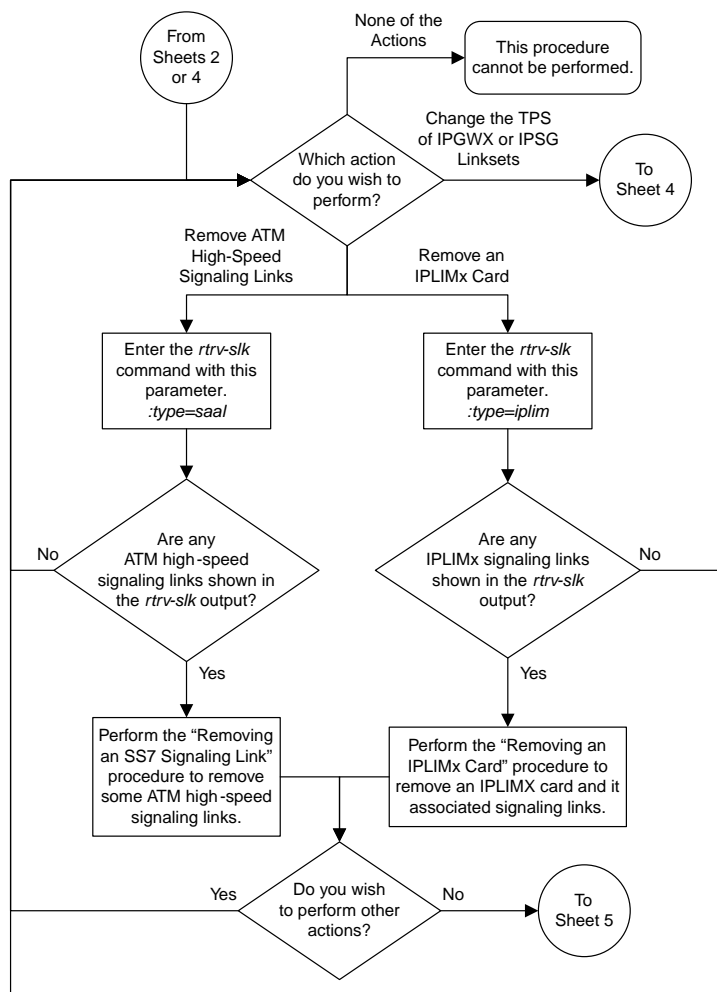


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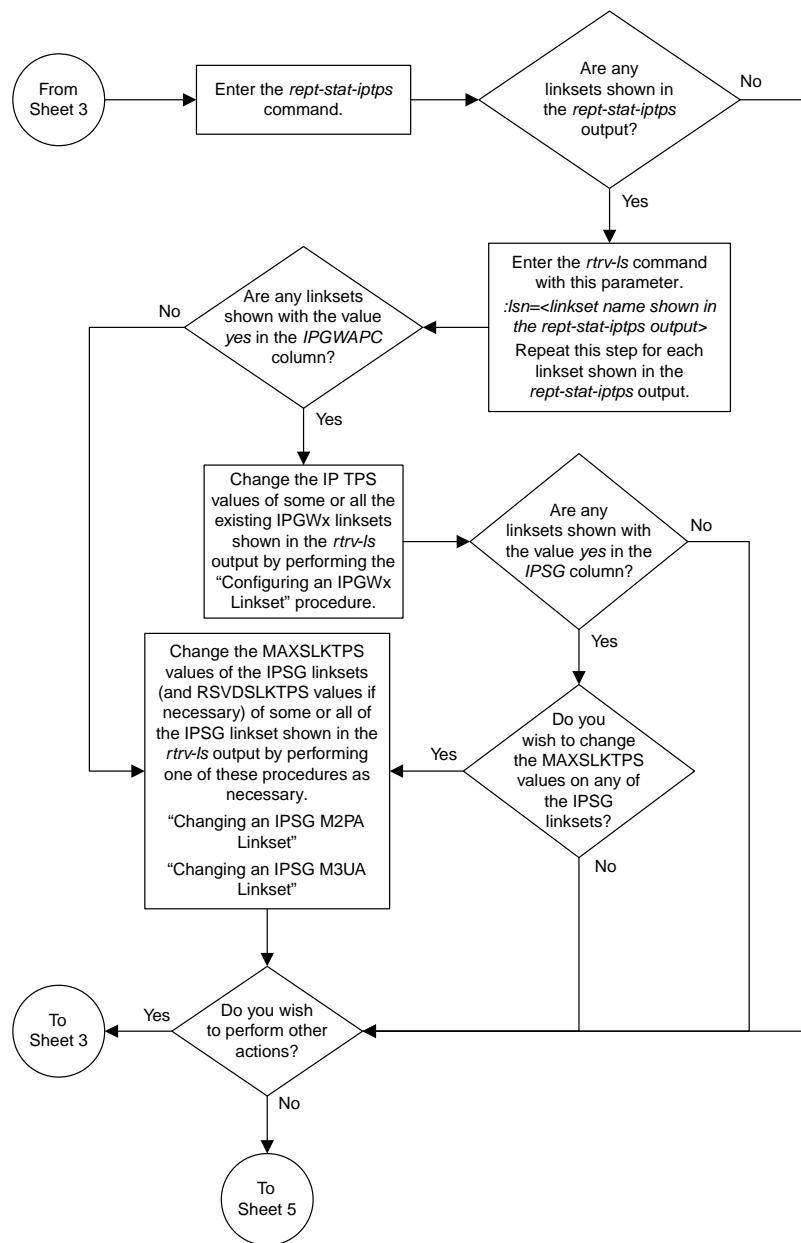


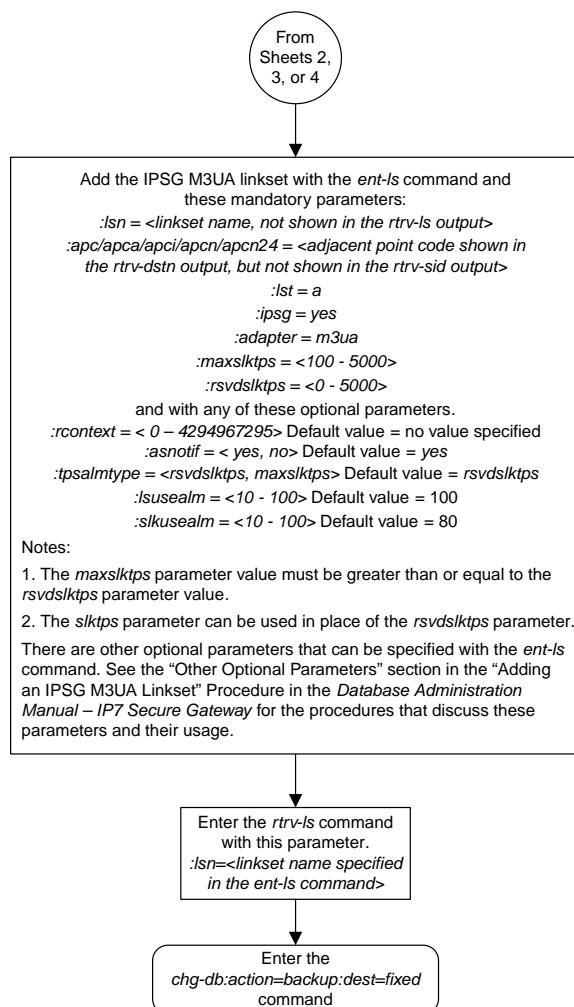


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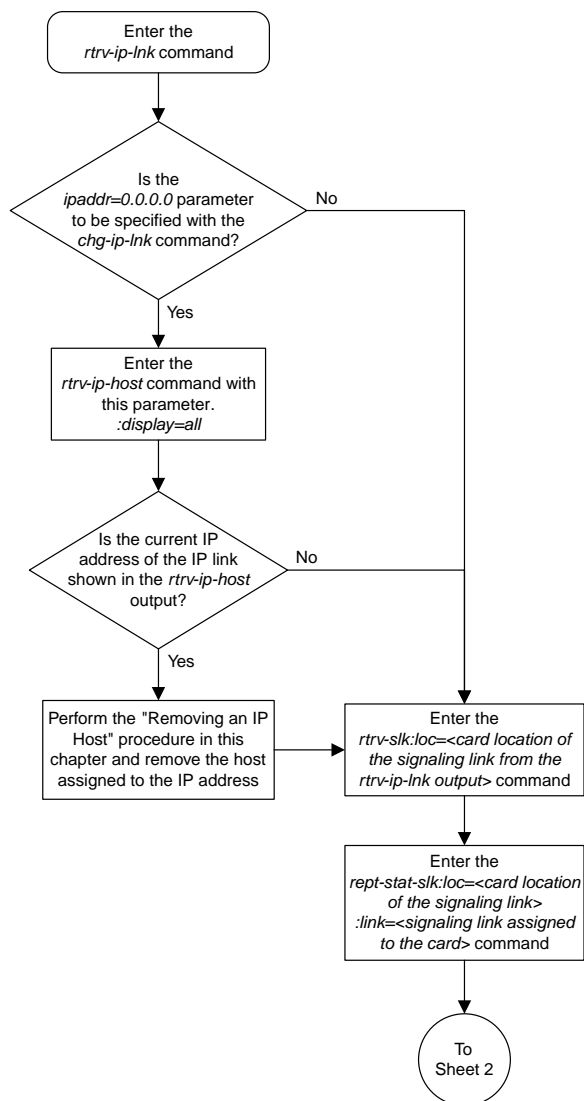


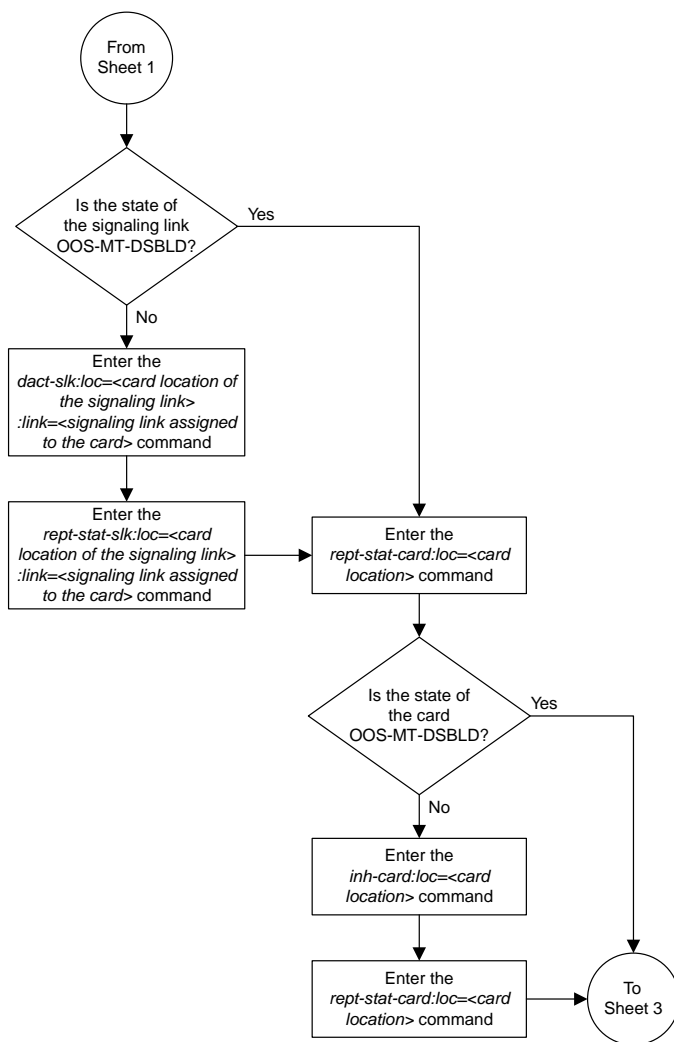
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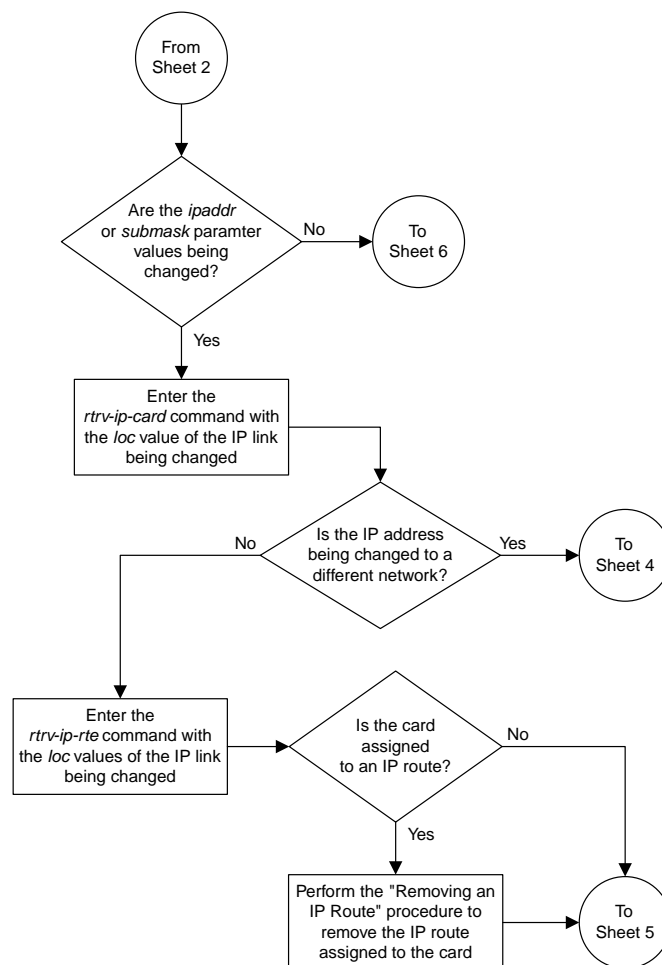


## Configuring an IP Link

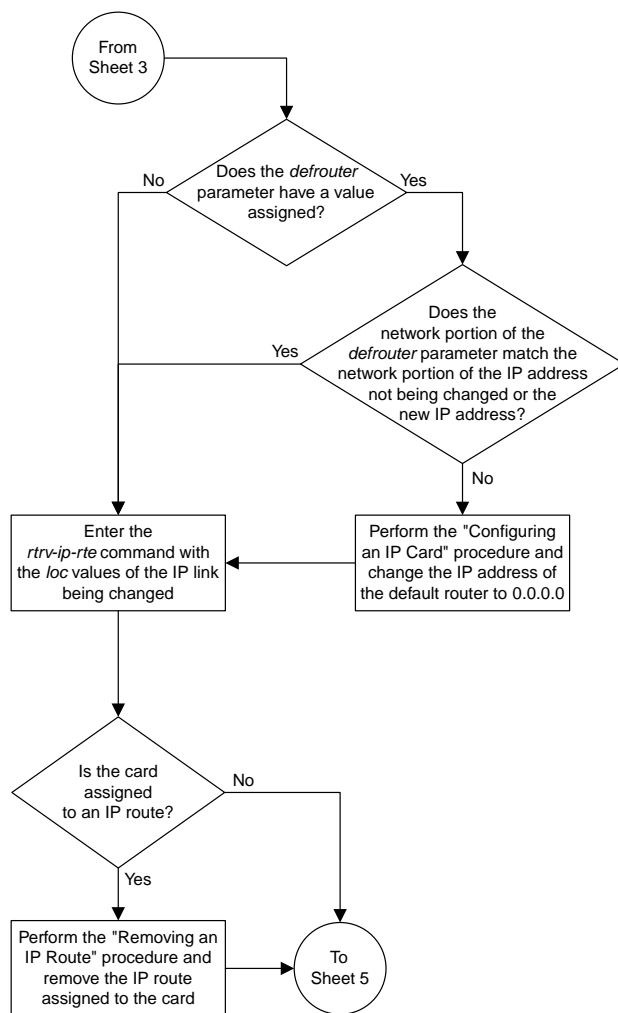




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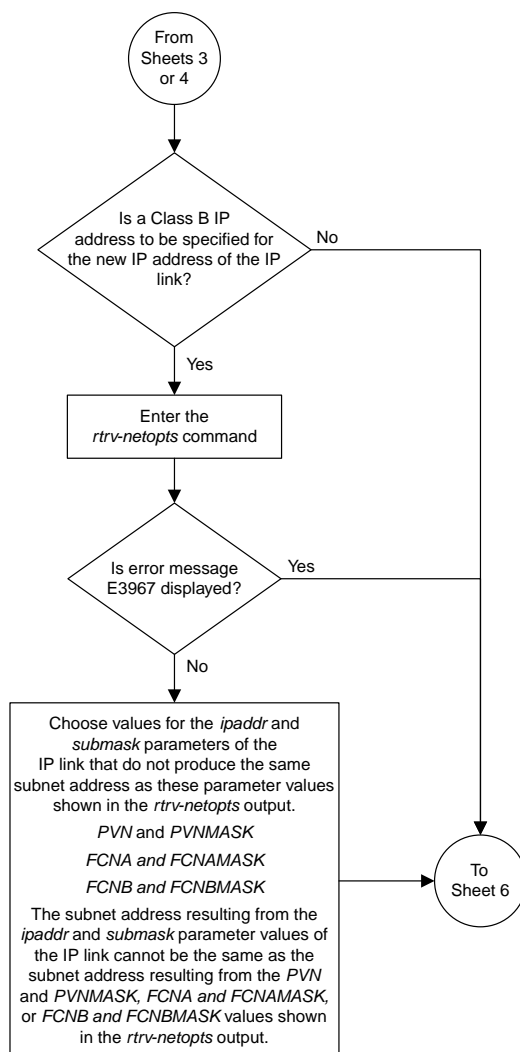


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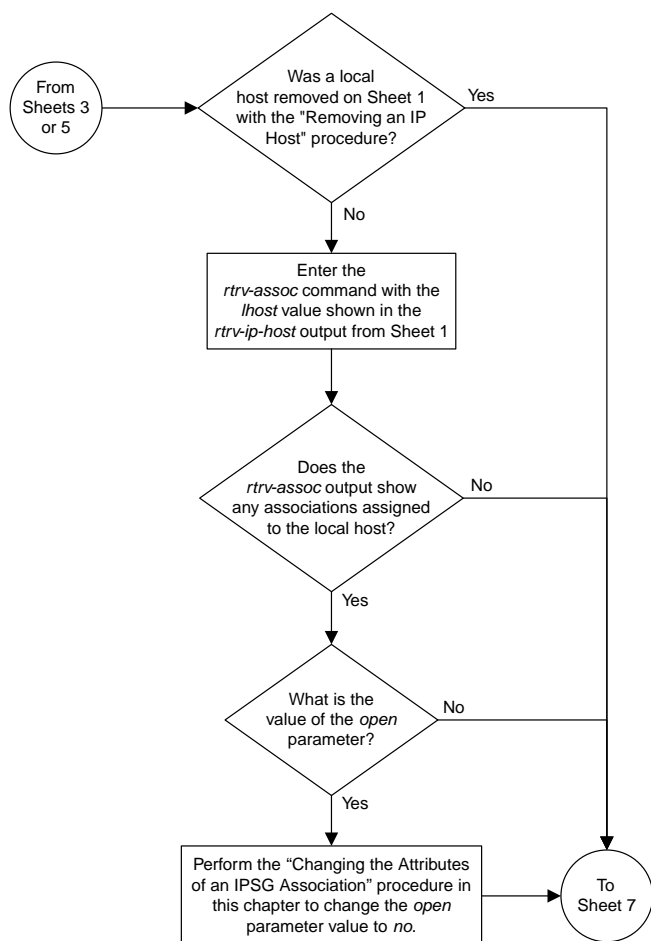


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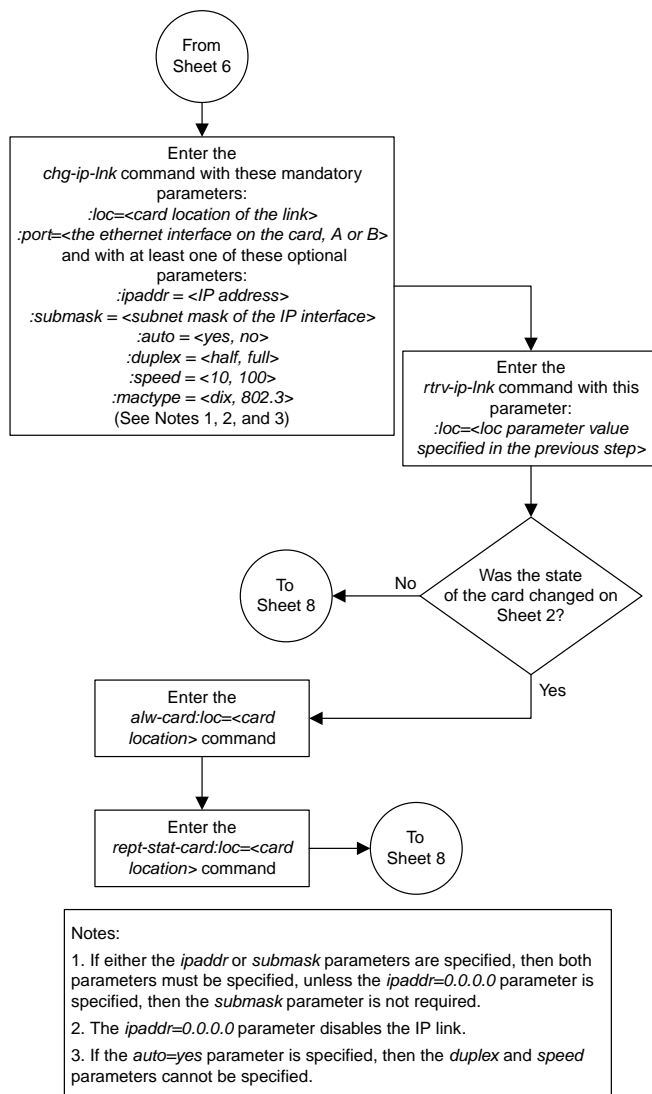


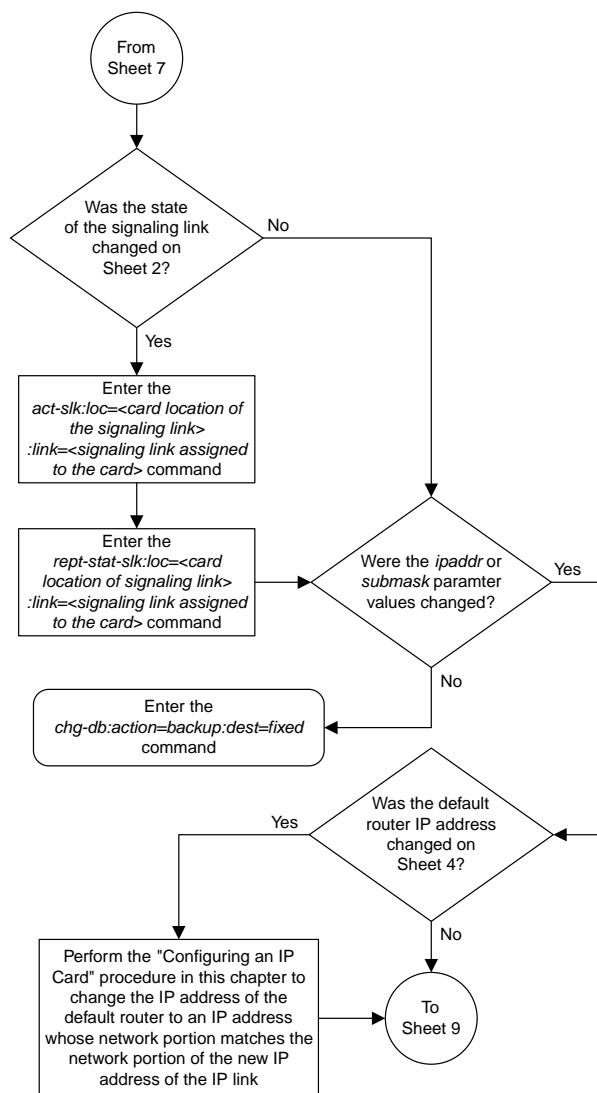


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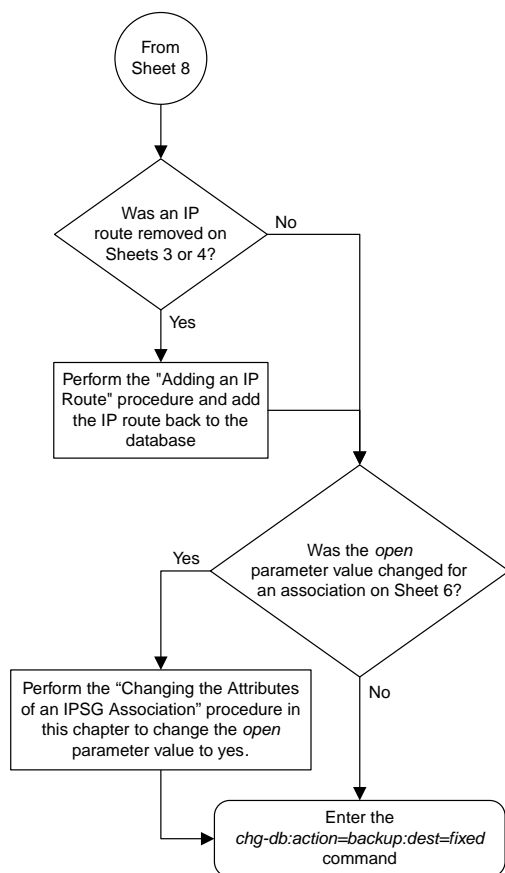


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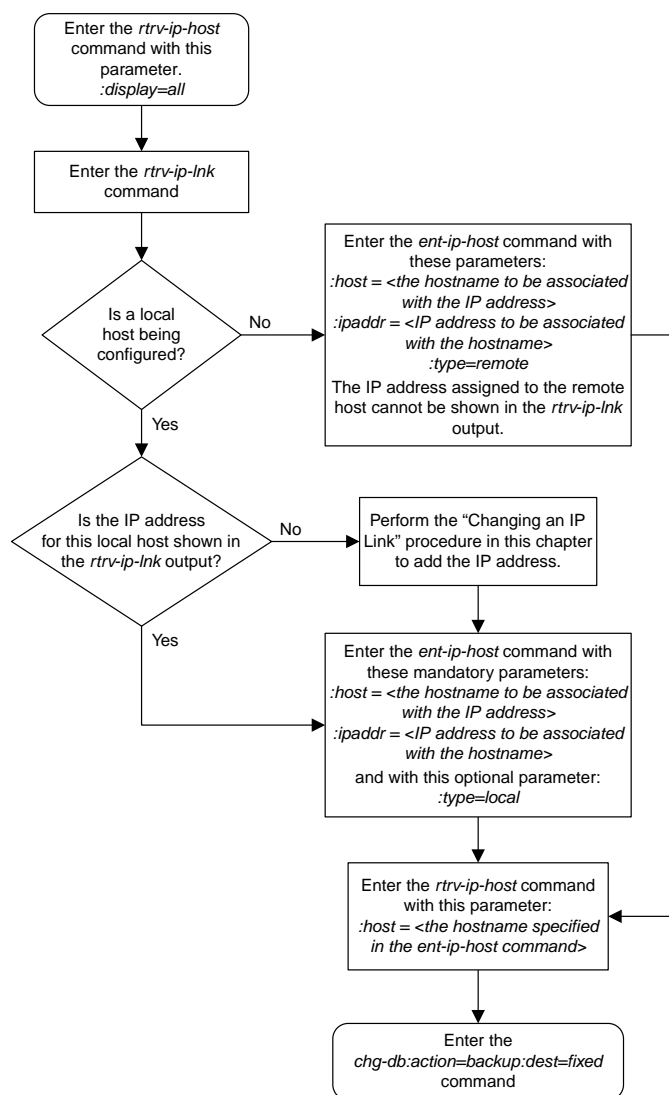


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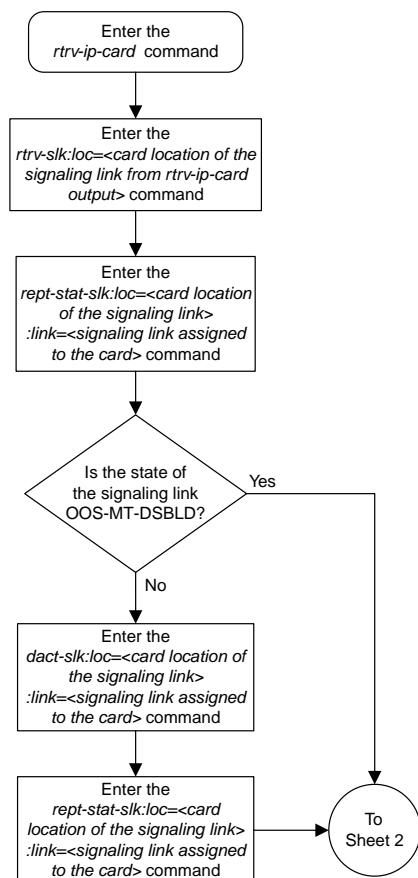


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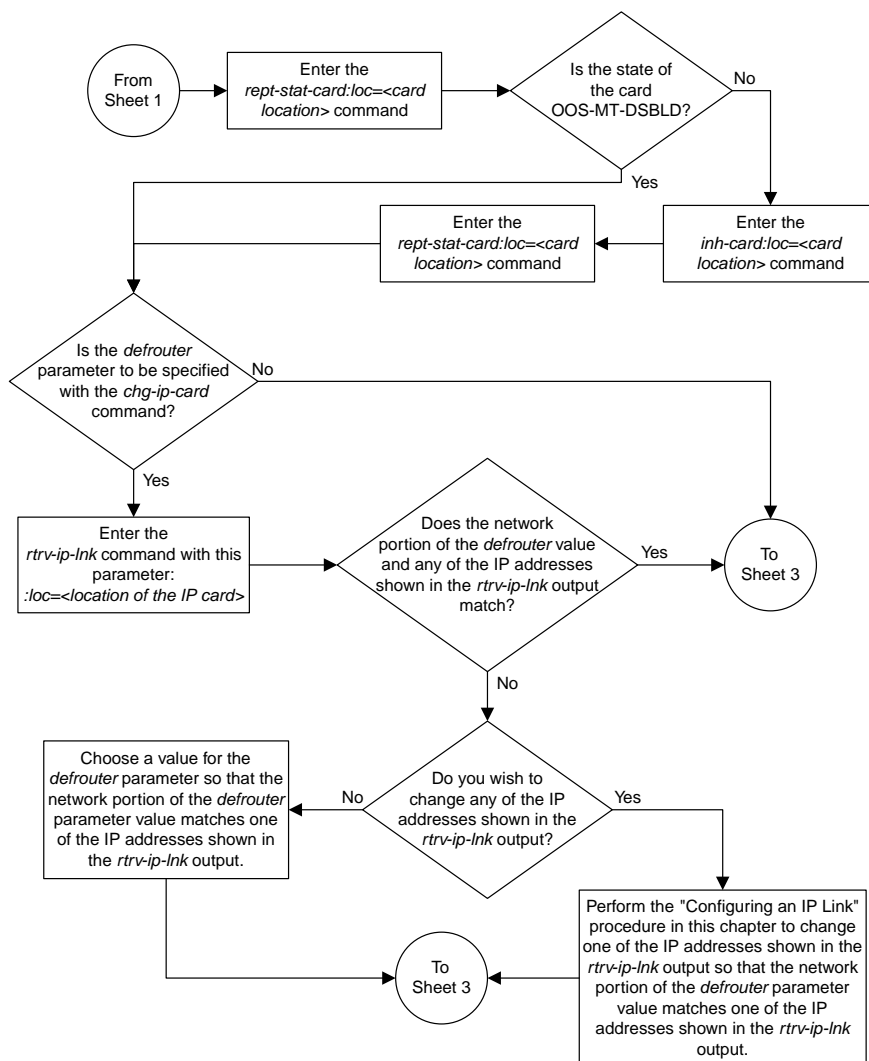
## Adding an IP Host



## Configuring an IP Card

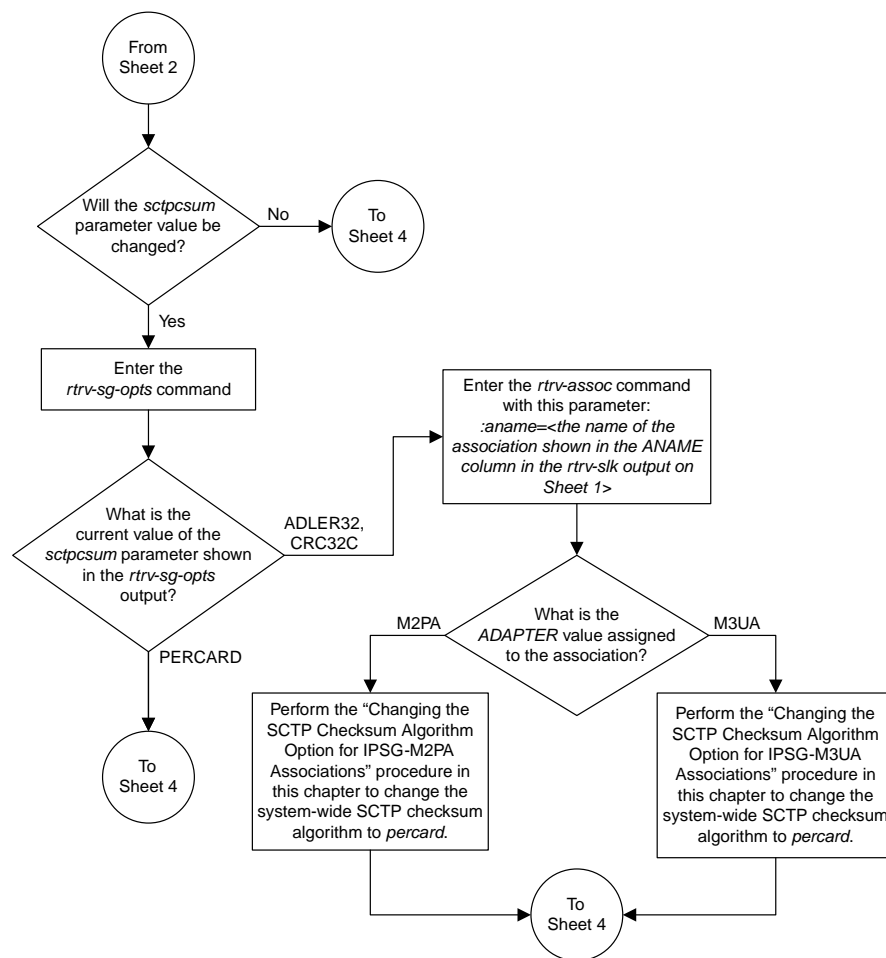


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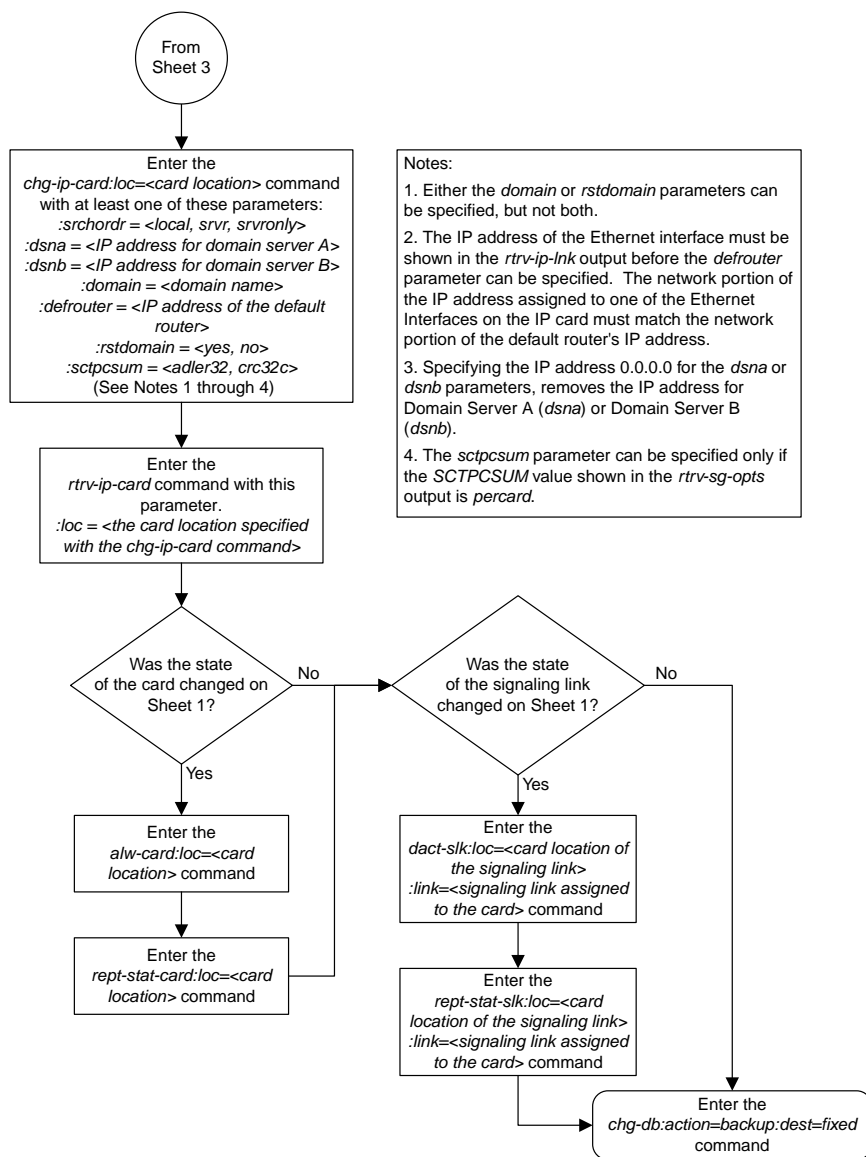


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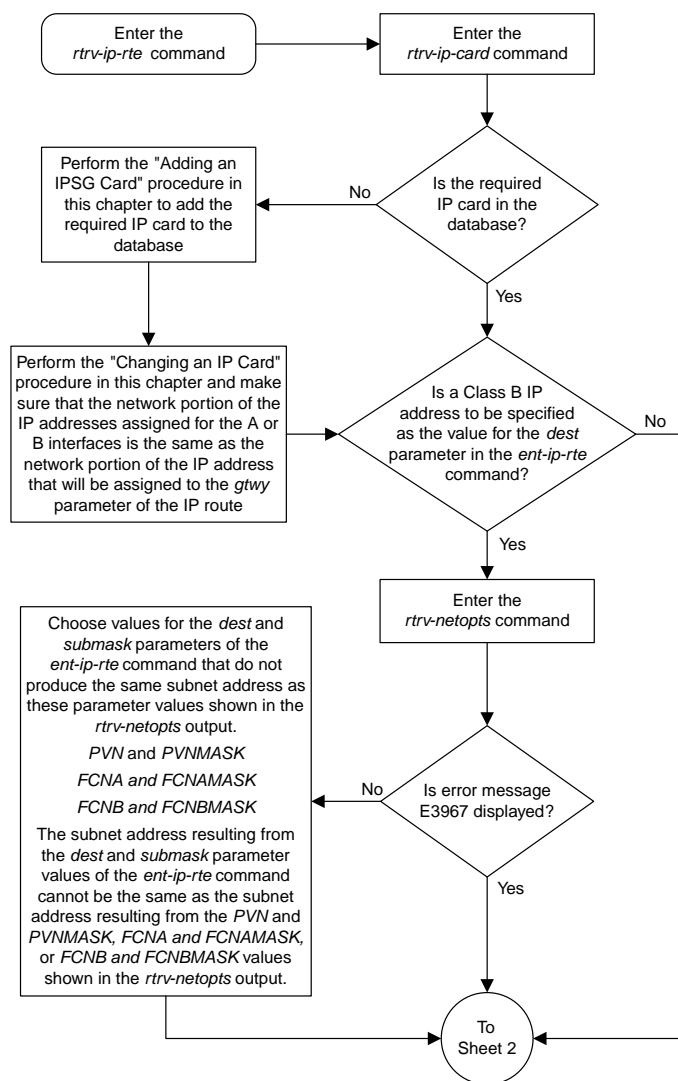


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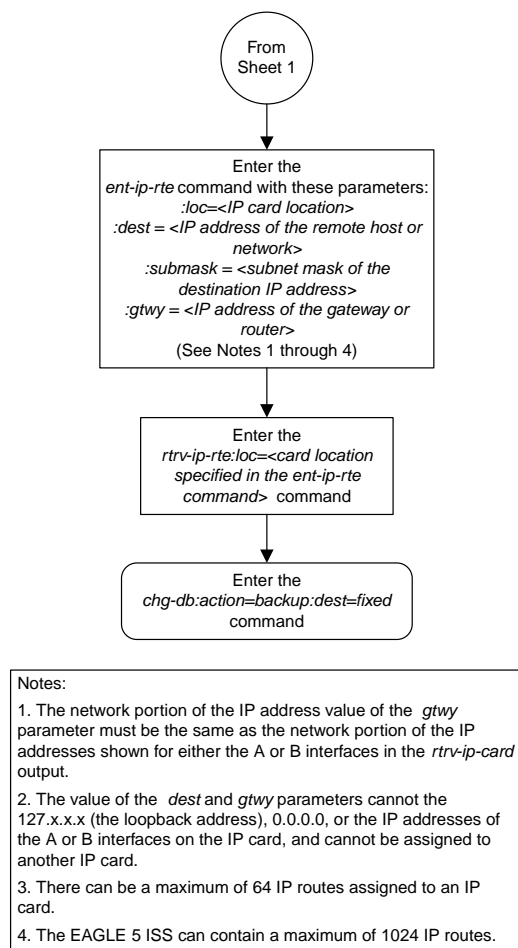


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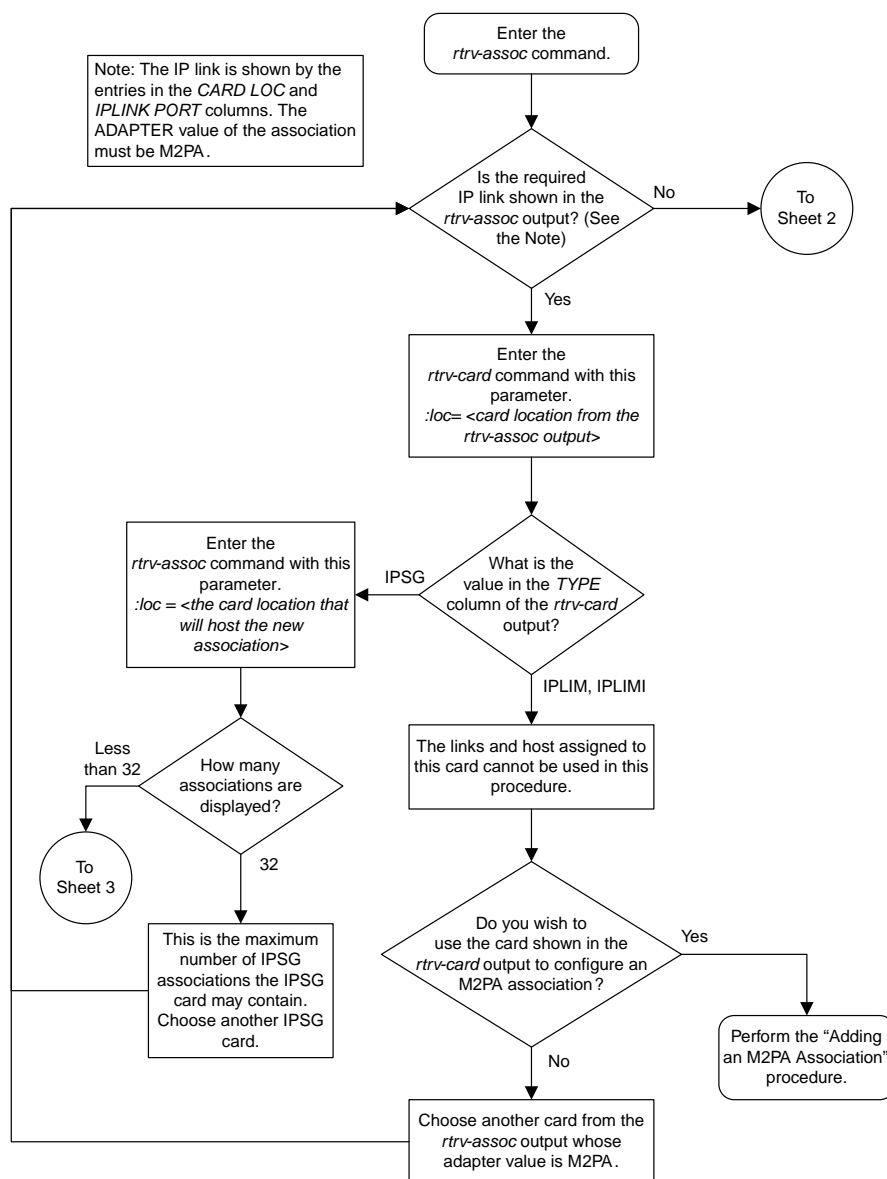
## Adding an IP Route



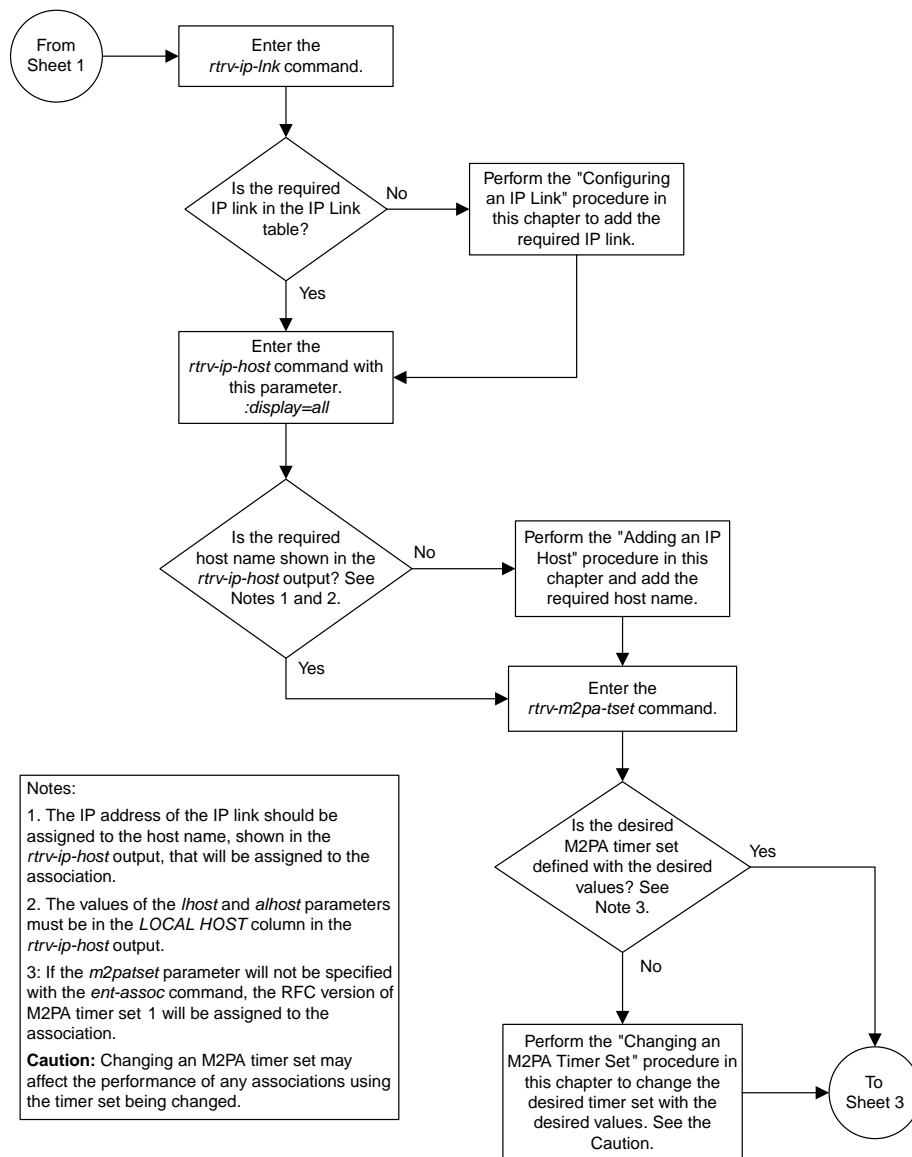
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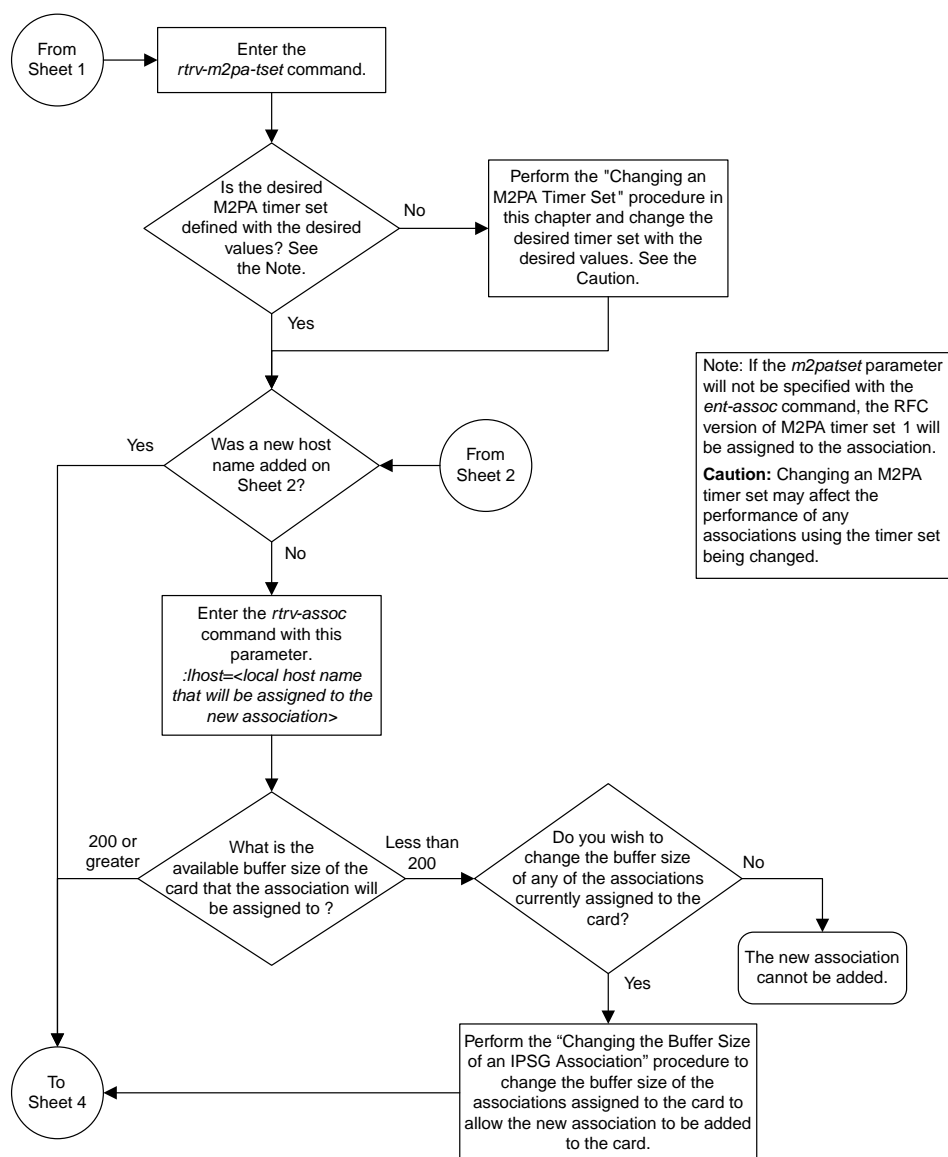
## Adding an IPSG M2PA Association



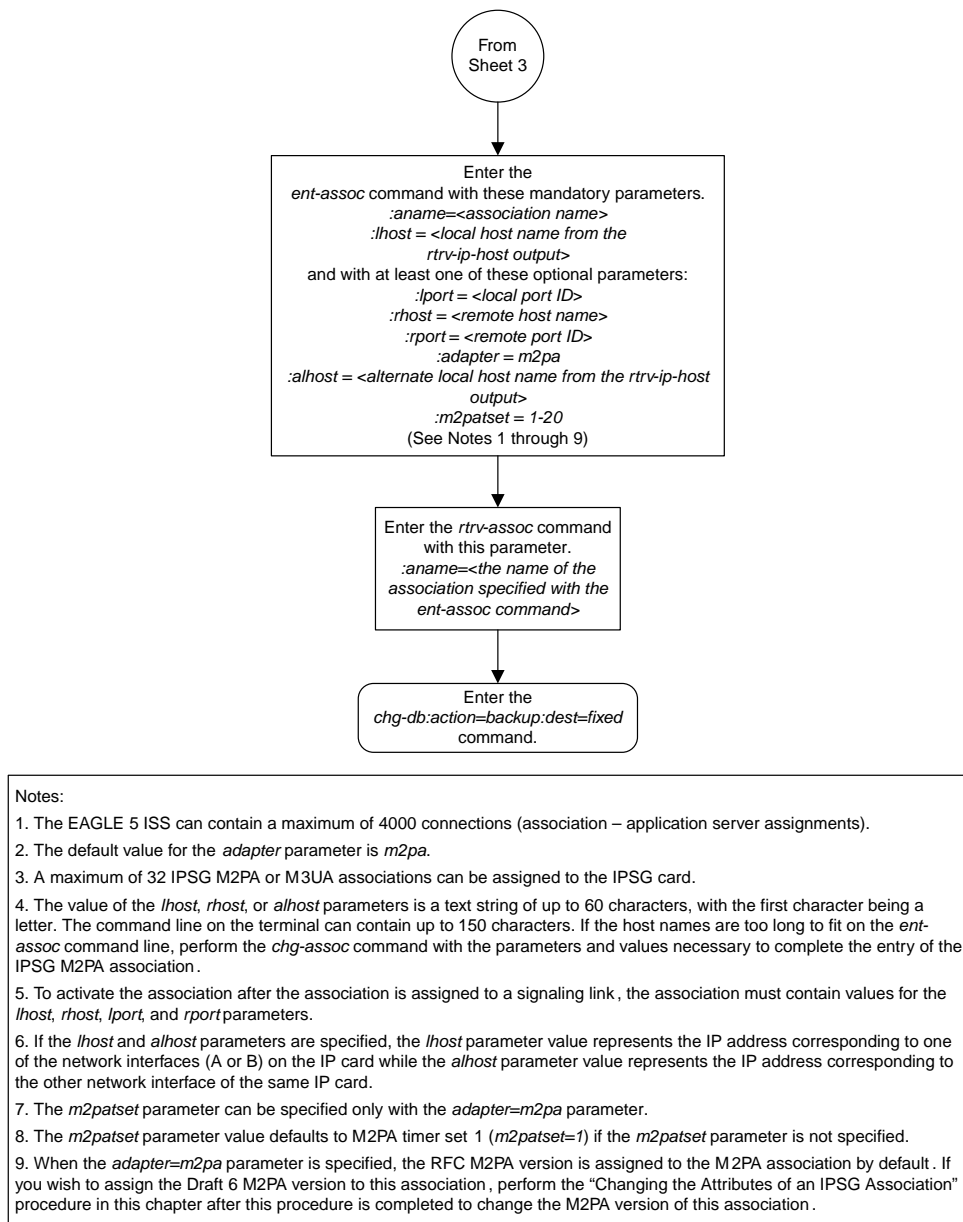
Sheet 1 of 4



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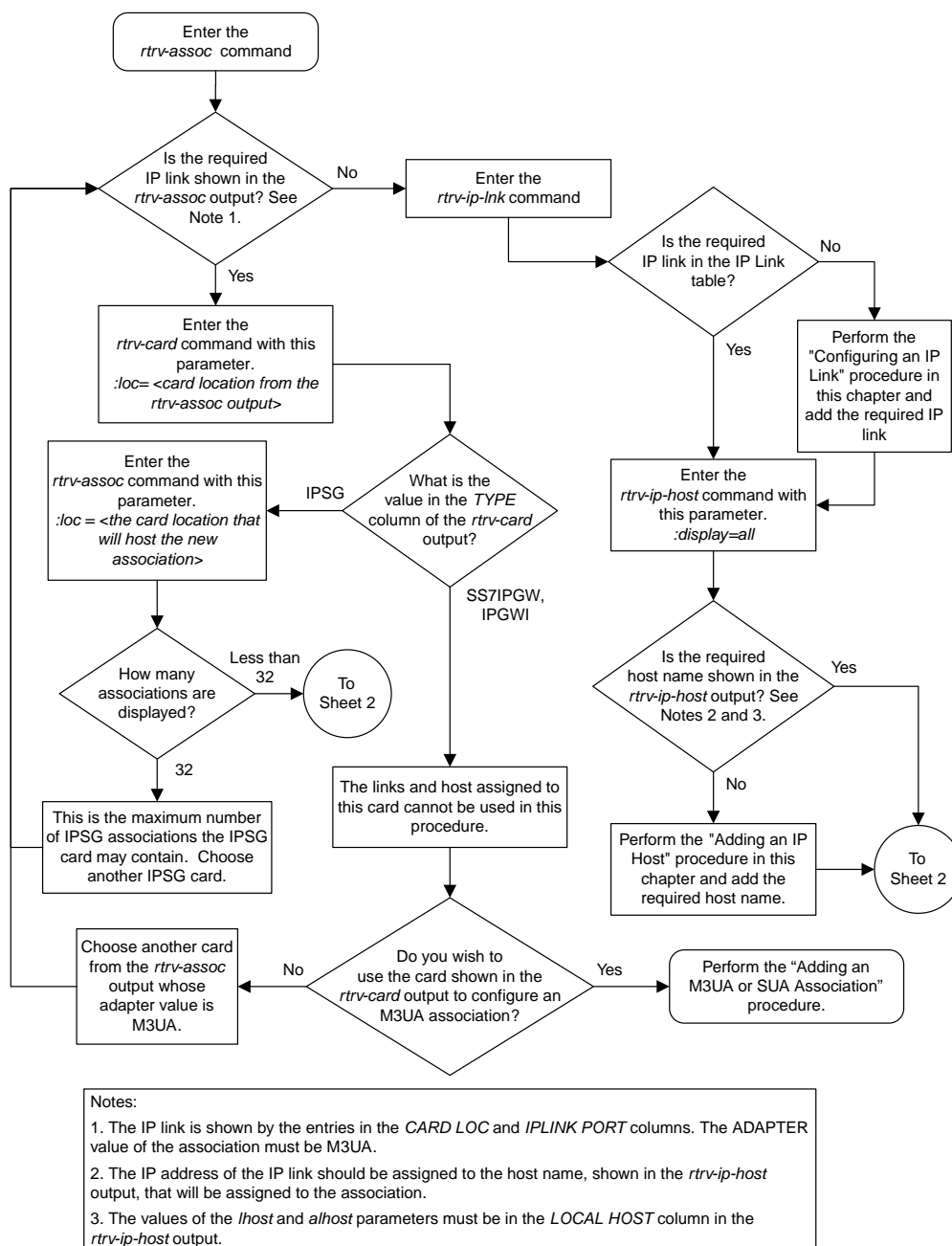


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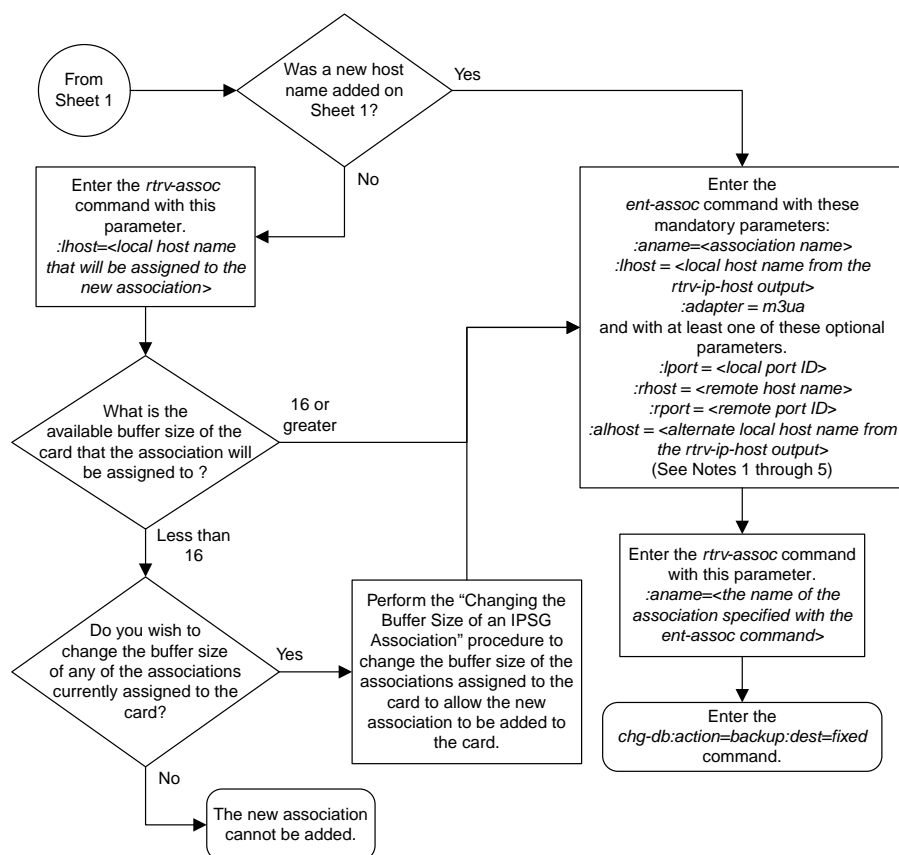




## Adding an IPSG M3UA Association



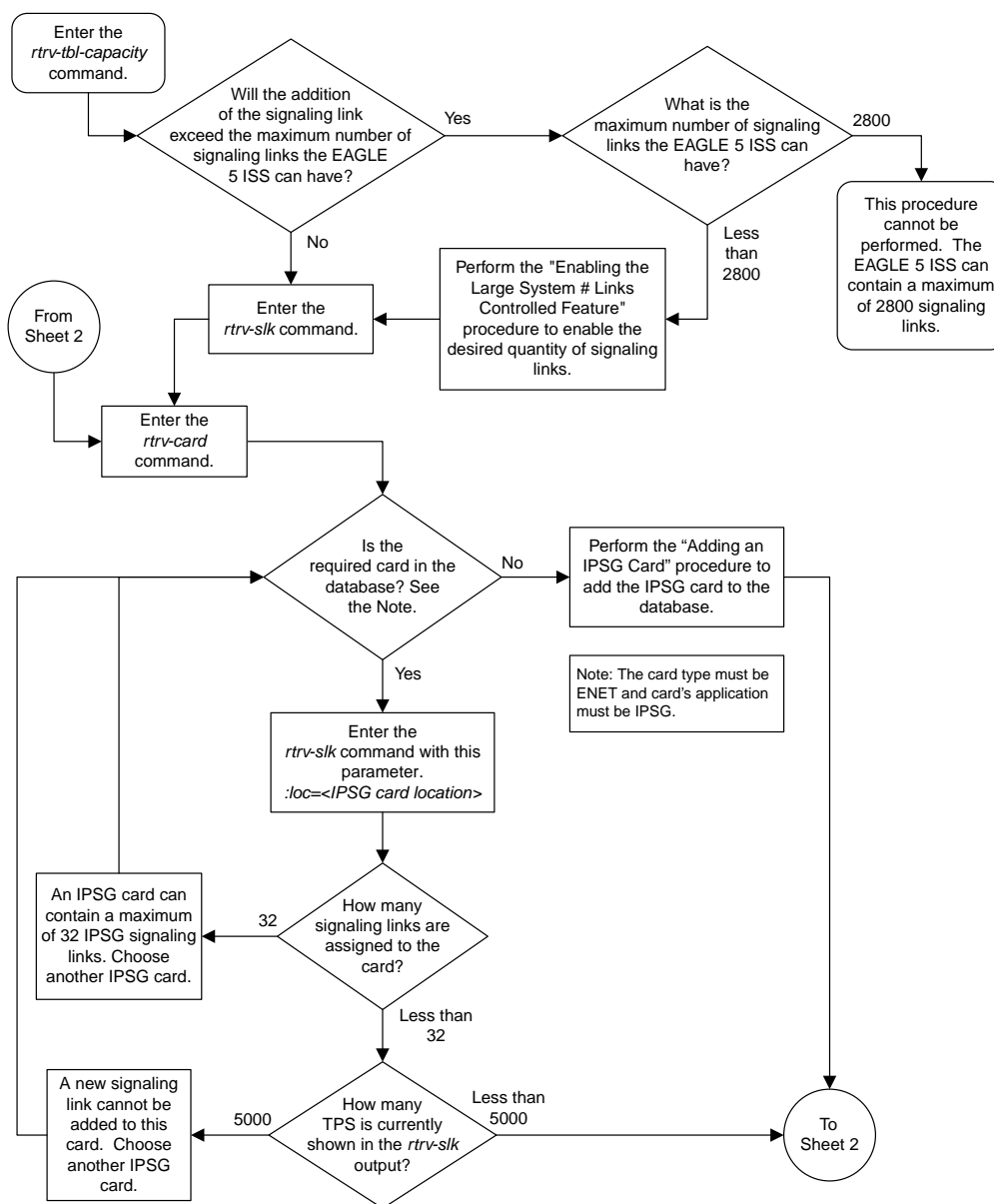
Sheet 1 of 2



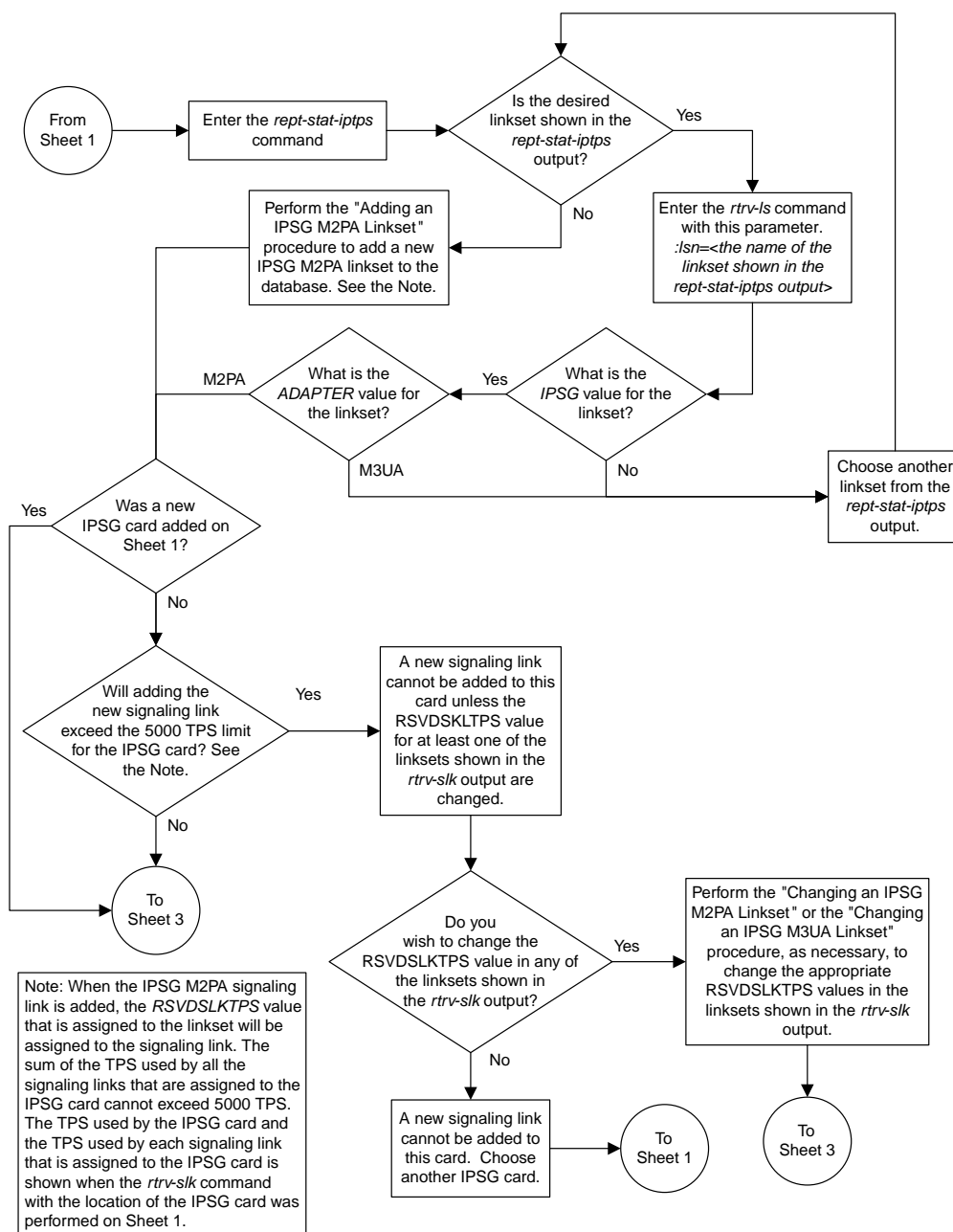
## Notes:

1. The EAGLE 5 ISS can contain a maximum of 4000 connections (association – application server assignments).
2. A maximum of 32 IPSG M2PA or M3UA associations can be assigned to the IPSG card.
3. The value of the *lhost*, *rhost*, or *alhost* parameters is a text string of up to 60 characters, with the first character being a letter. The command line on the terminal can contain up to 150 characters. If the host names are too long to fit on the *ent-assoc* command line, perform the *chg-assoc* command with the parameters and values necessary to complete the entry of the IPSG M3UA association.
4. To activate the association after the association is assigned to a signaling link, the association must contain values for the *lhost*, *rhost*, *lport*, and *rport* parameters.
5. If the *lhost* and *alhost* parameters are specified, the *lhost* parameter value represents the IP address corresponding to one of the network interfaces (A or B) on the IP card while the *alhost* parameter value represents the IP address corresponding to the other network interface of the same IP card.

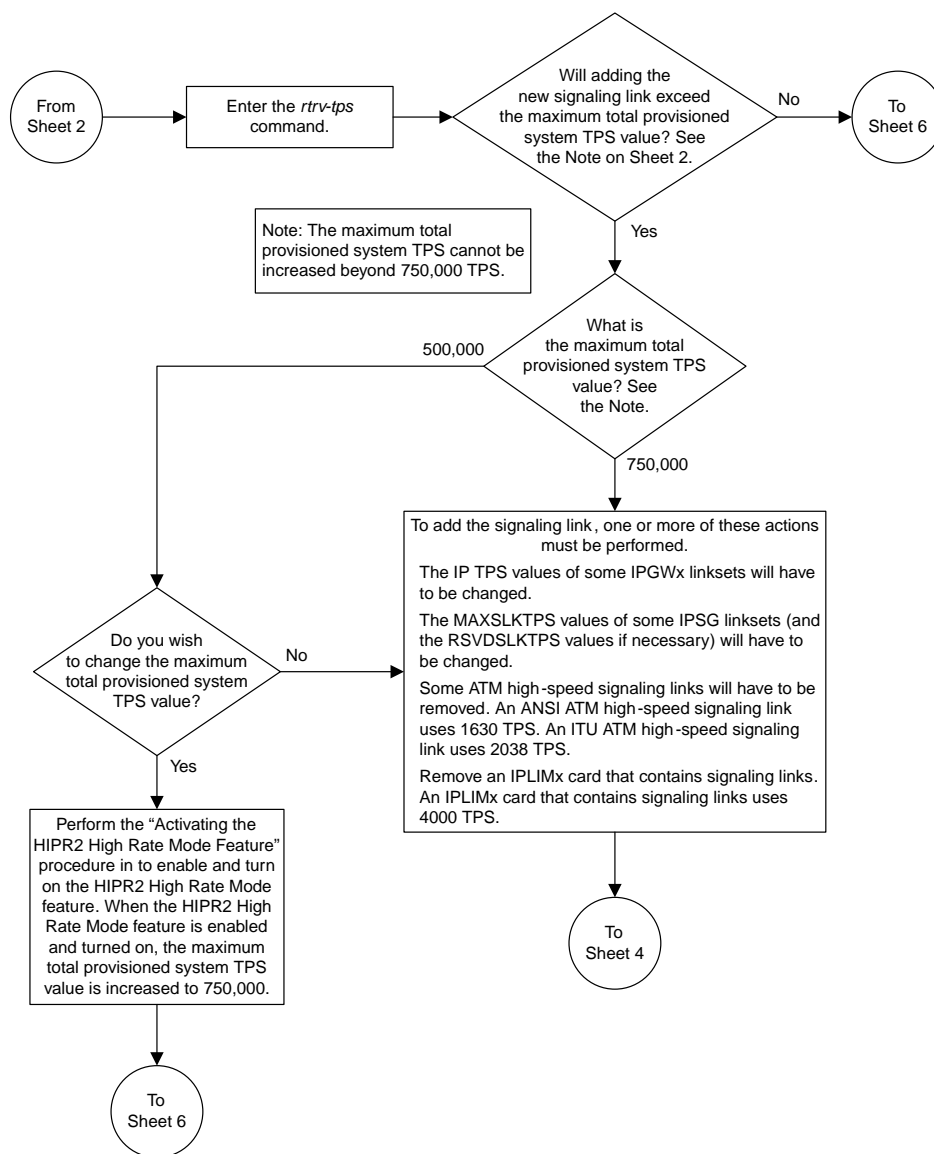
## Adding an IPSG M2PA Signaling Link



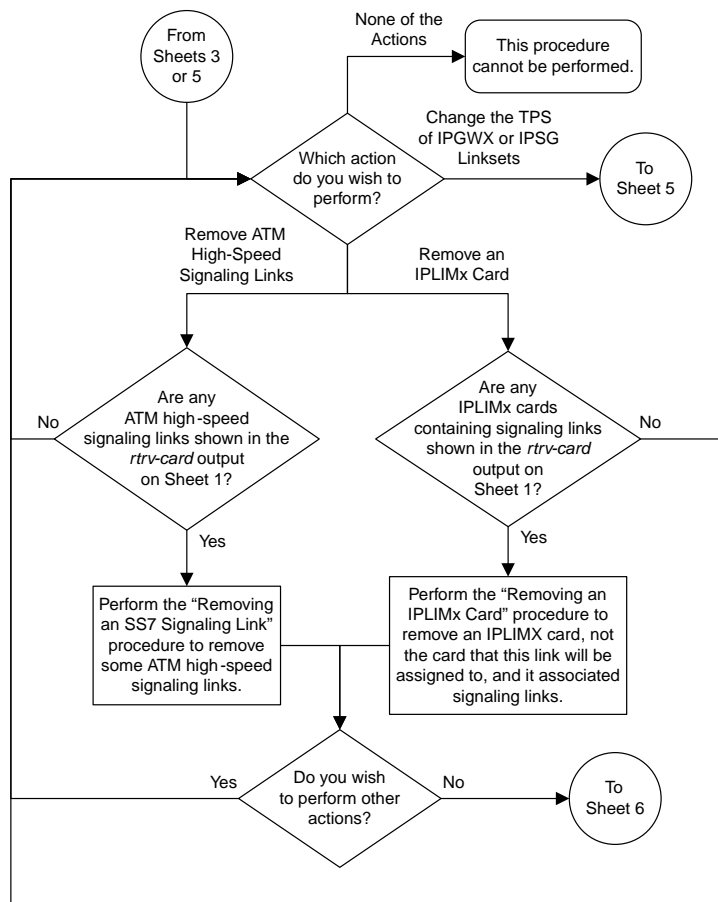
Sheet 1 of 6



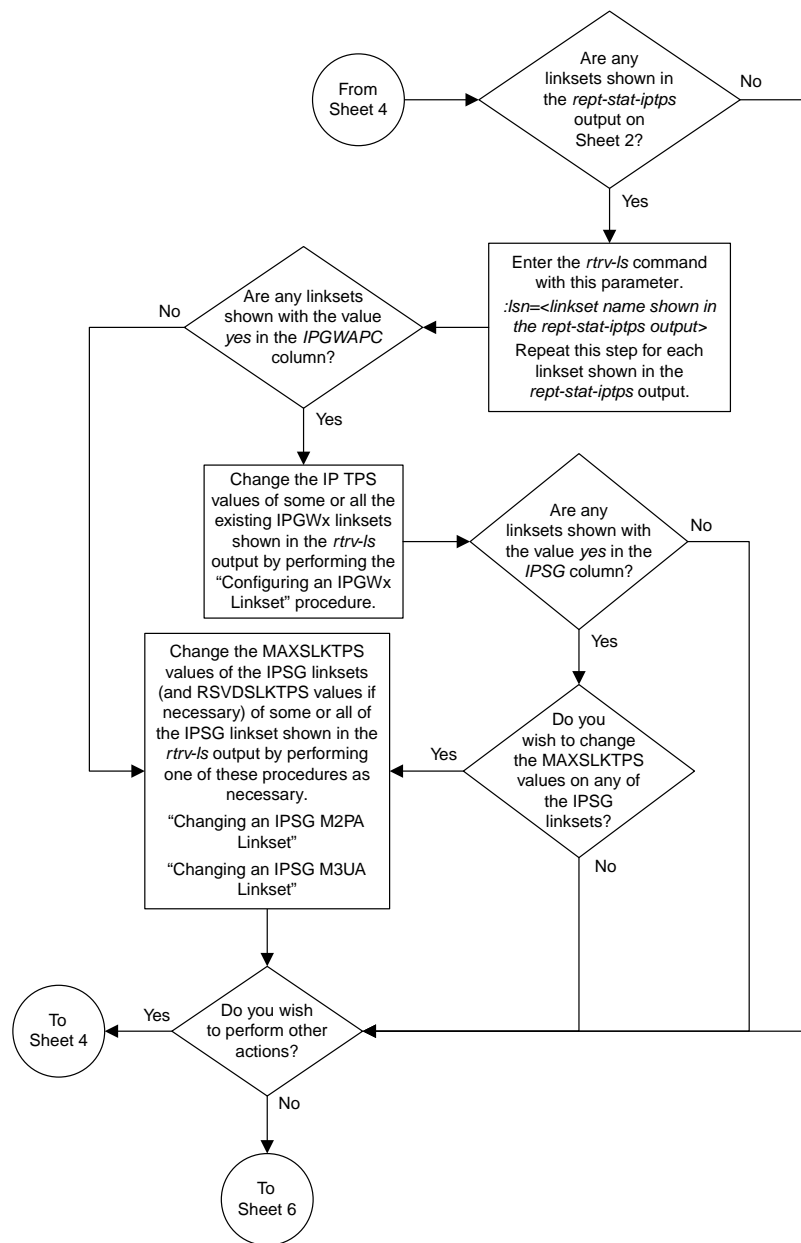
Sheet 2 of 6

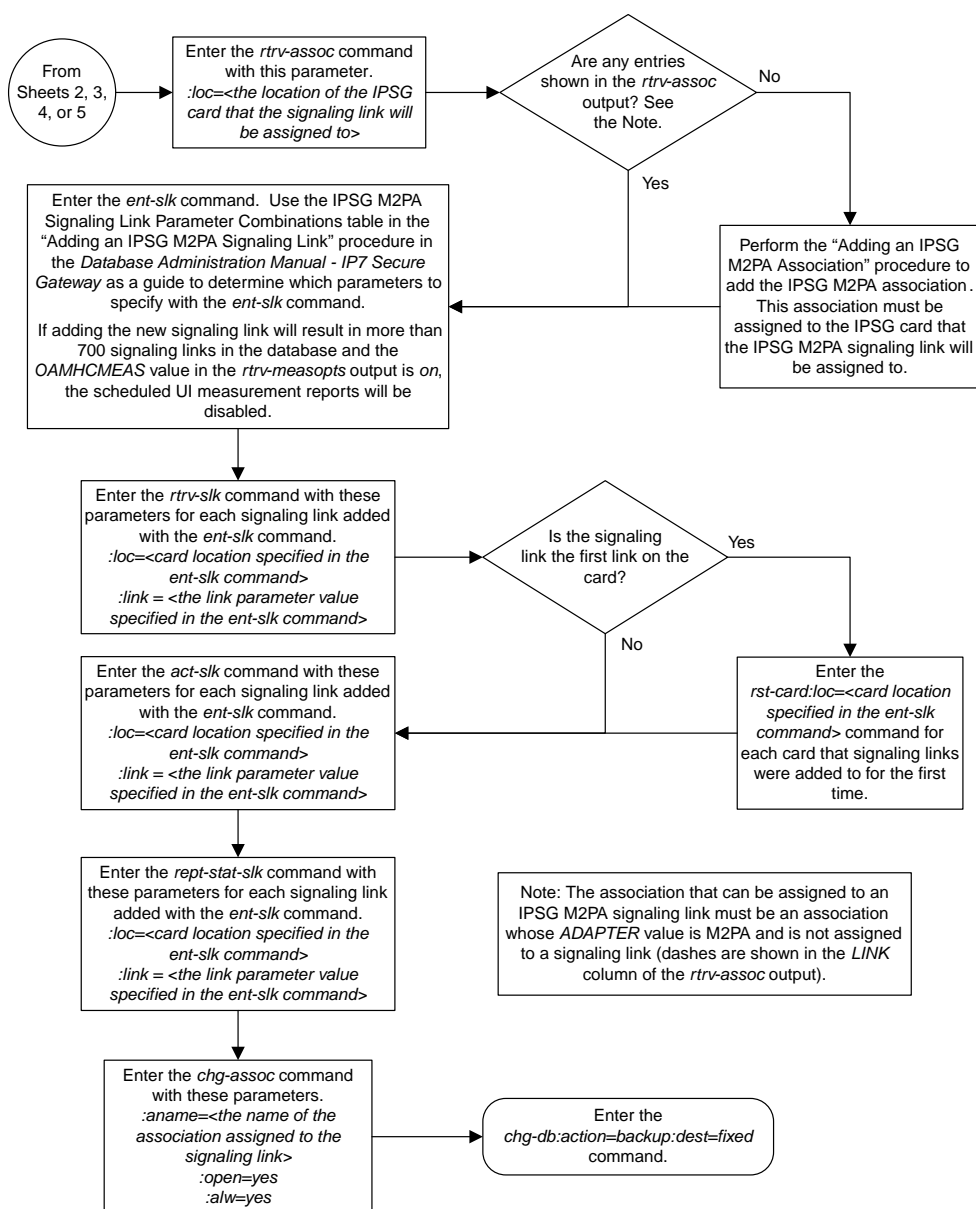


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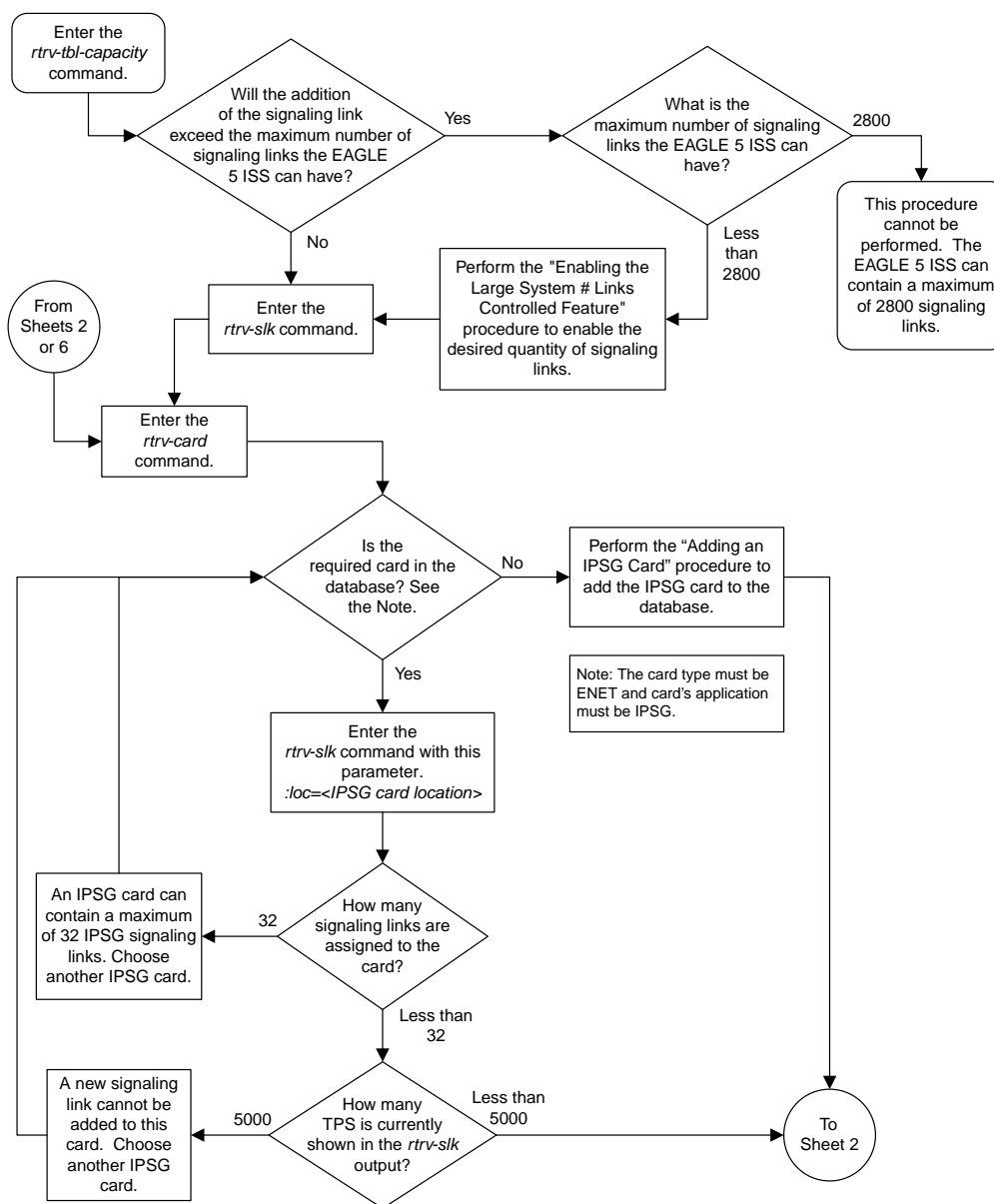
Sheet 4 of 6



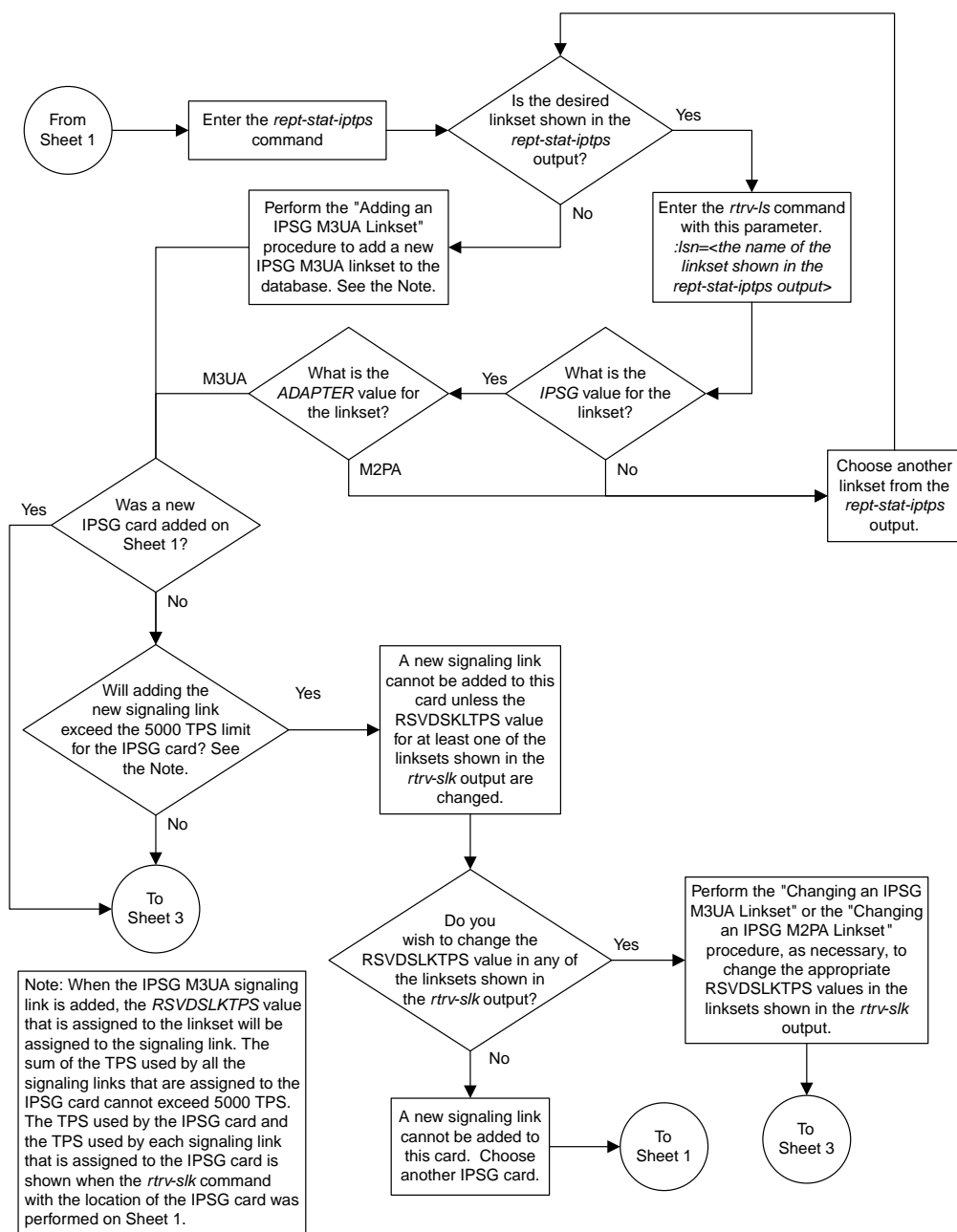




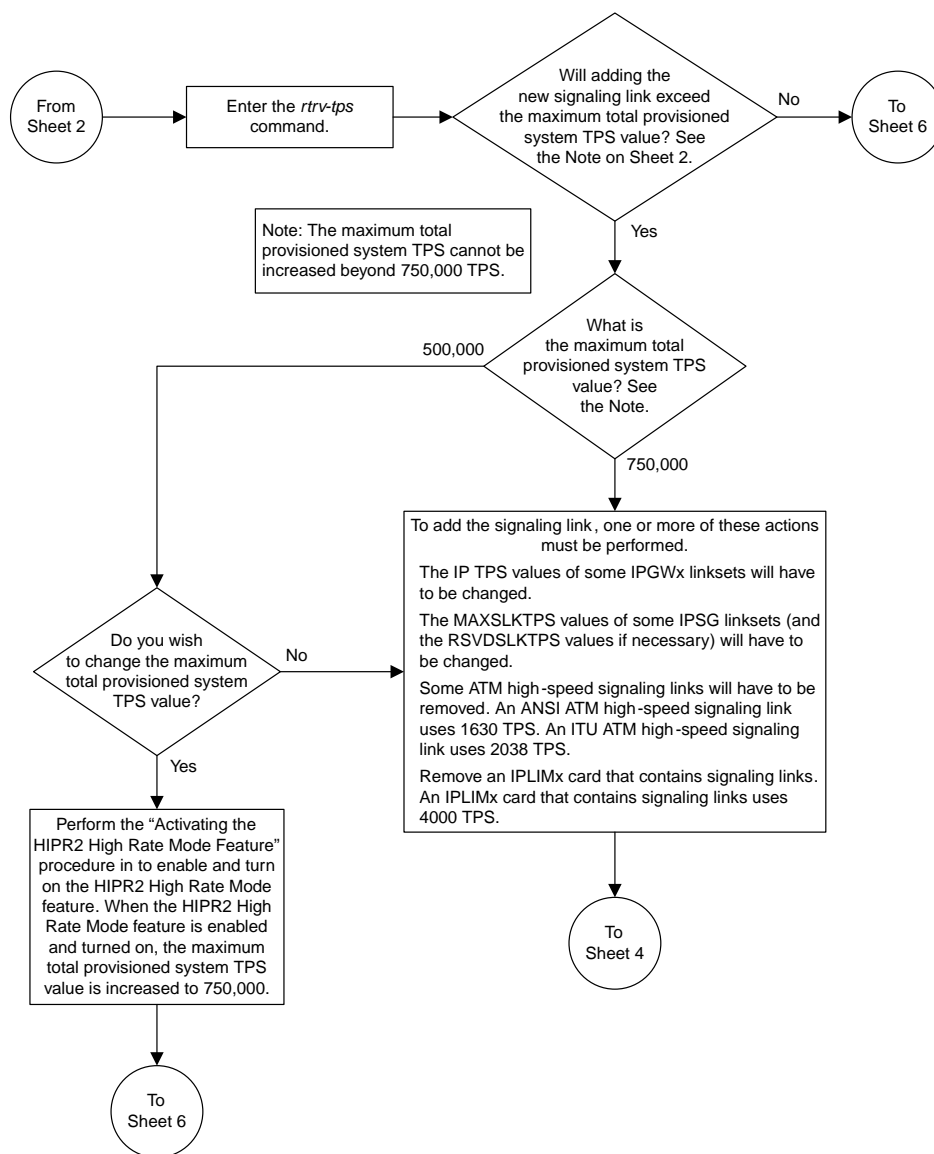
## Adding an IPSG M3UA Signaling Link



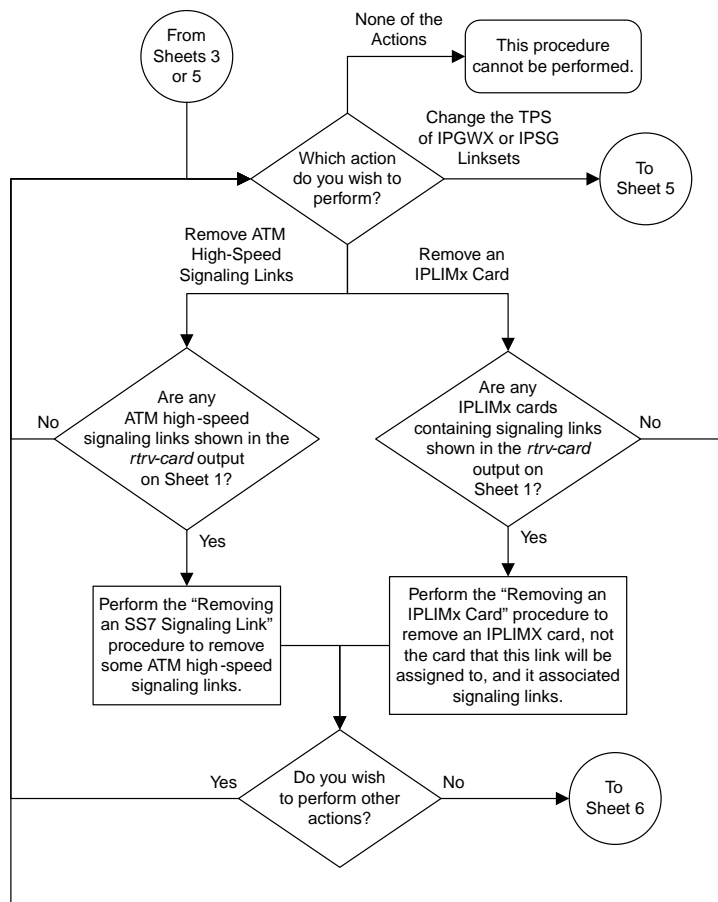
Sheet 1 of 7



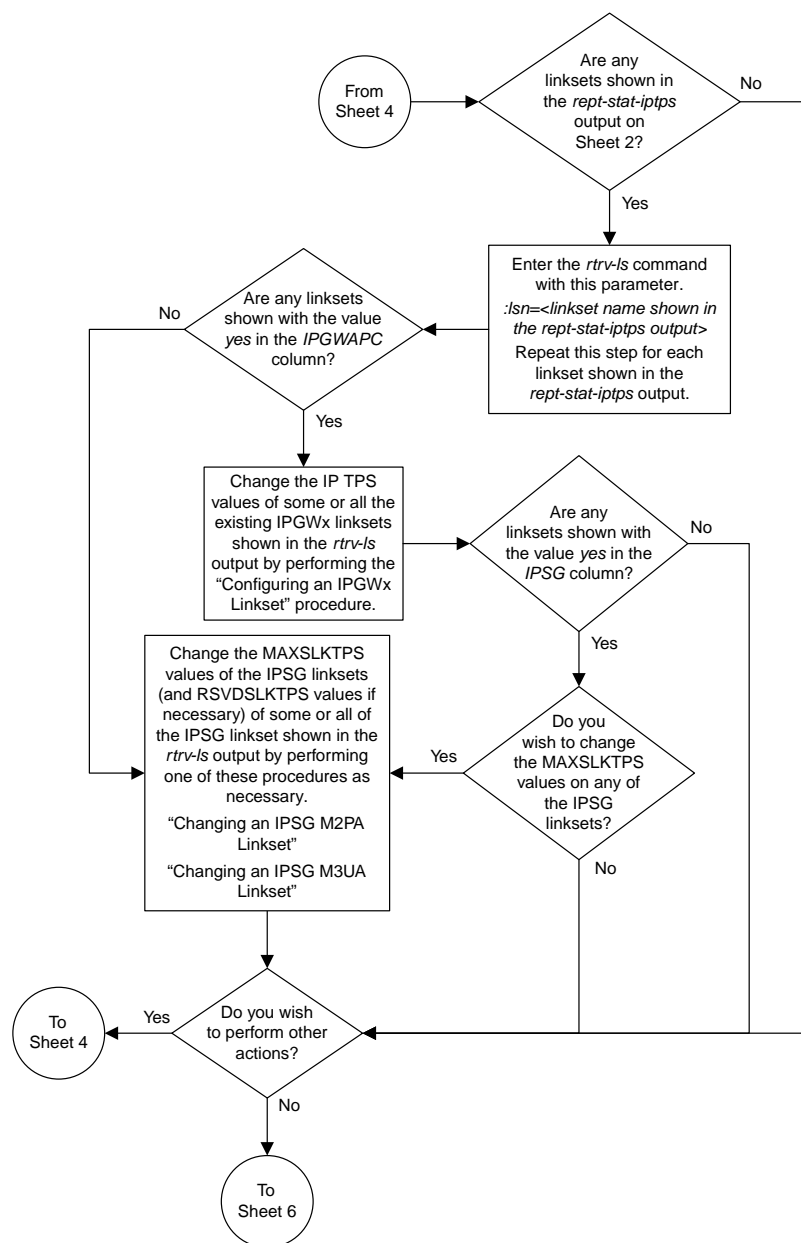
Sheet 2 of 7



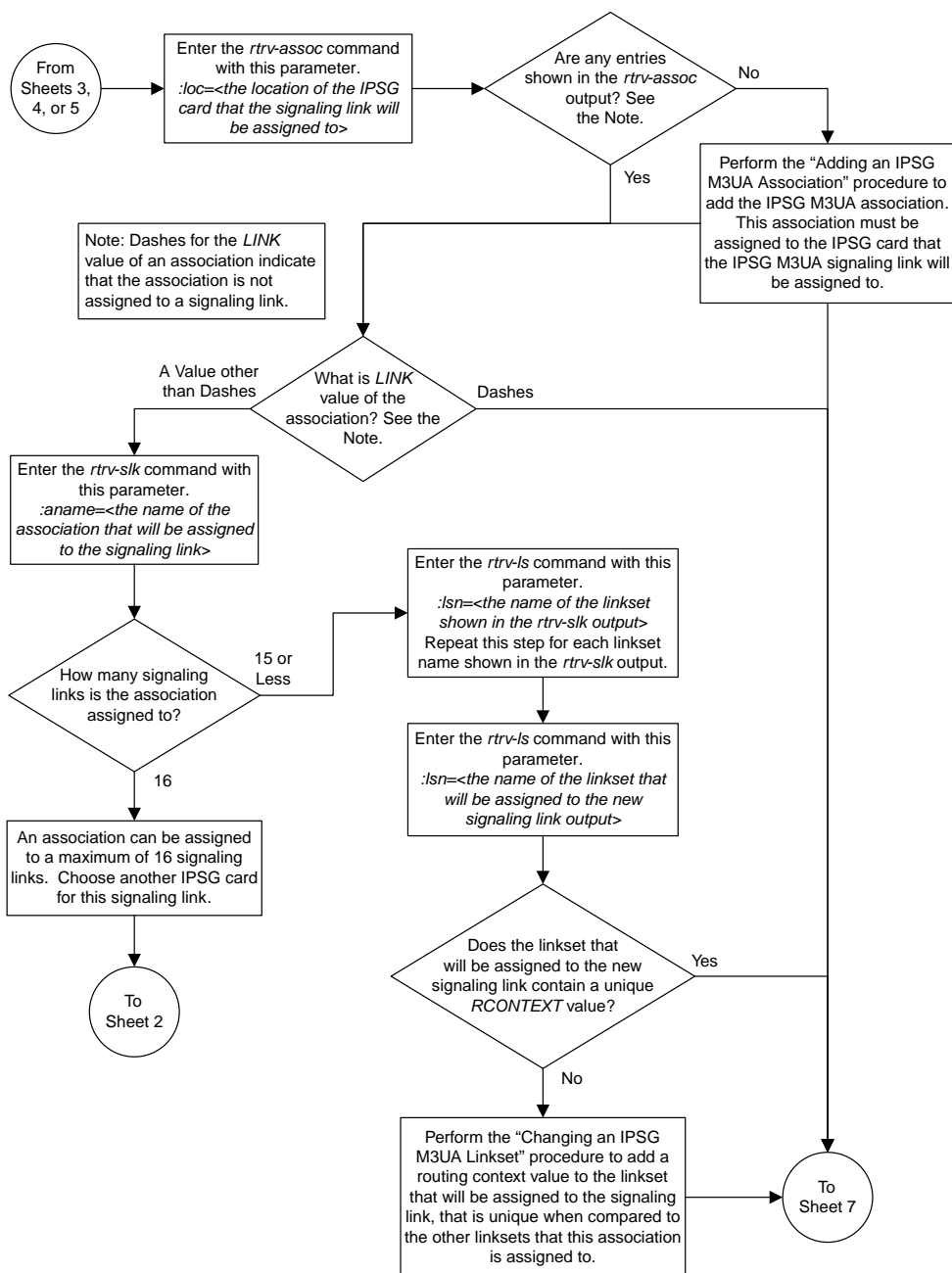
Sheet 3 of 7



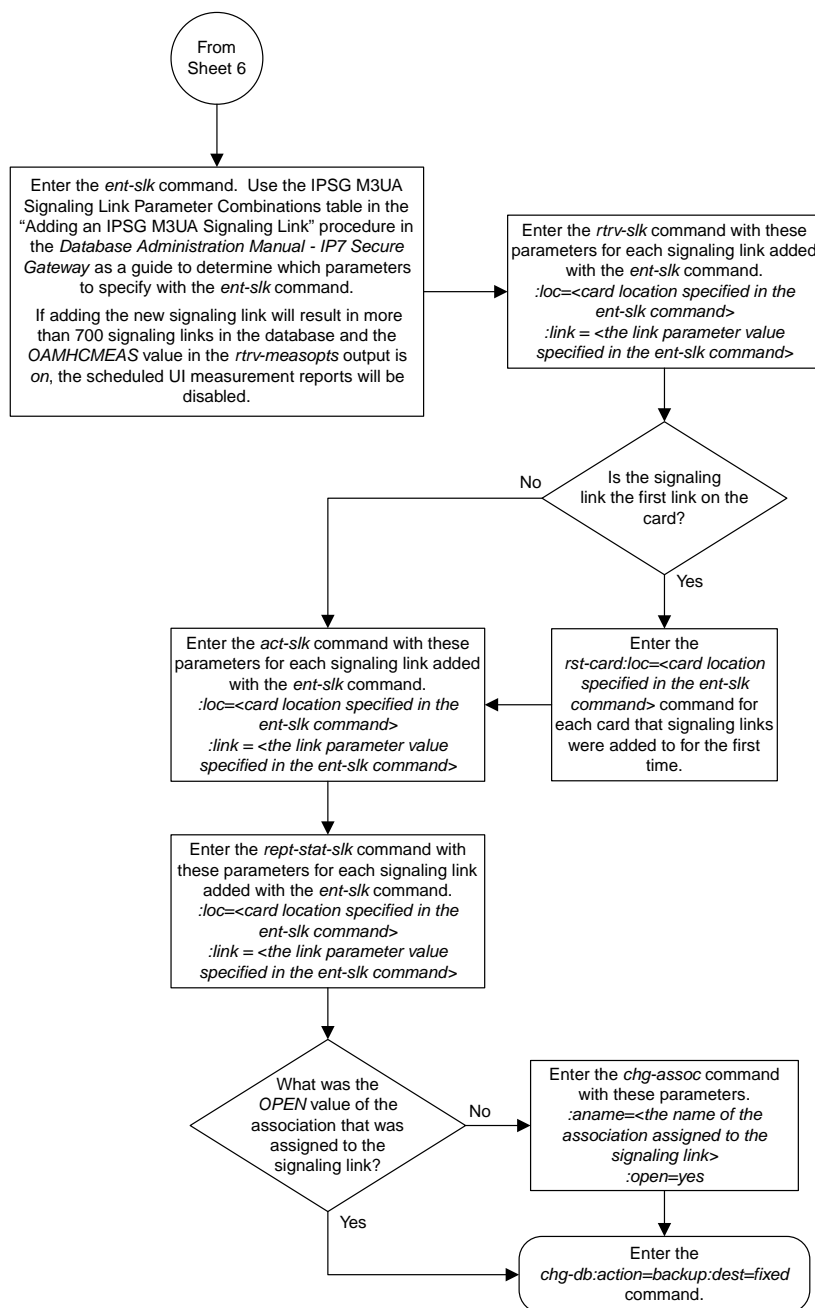
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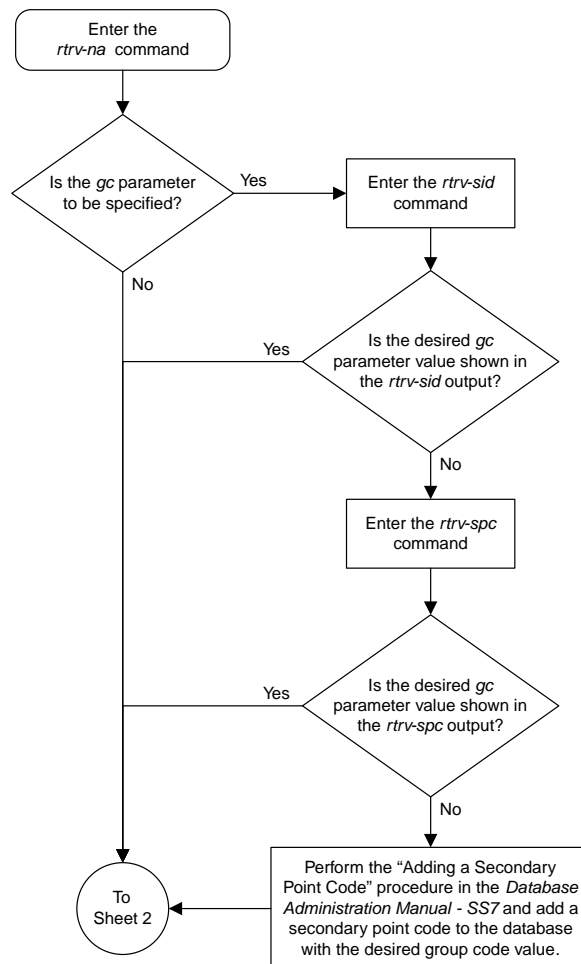


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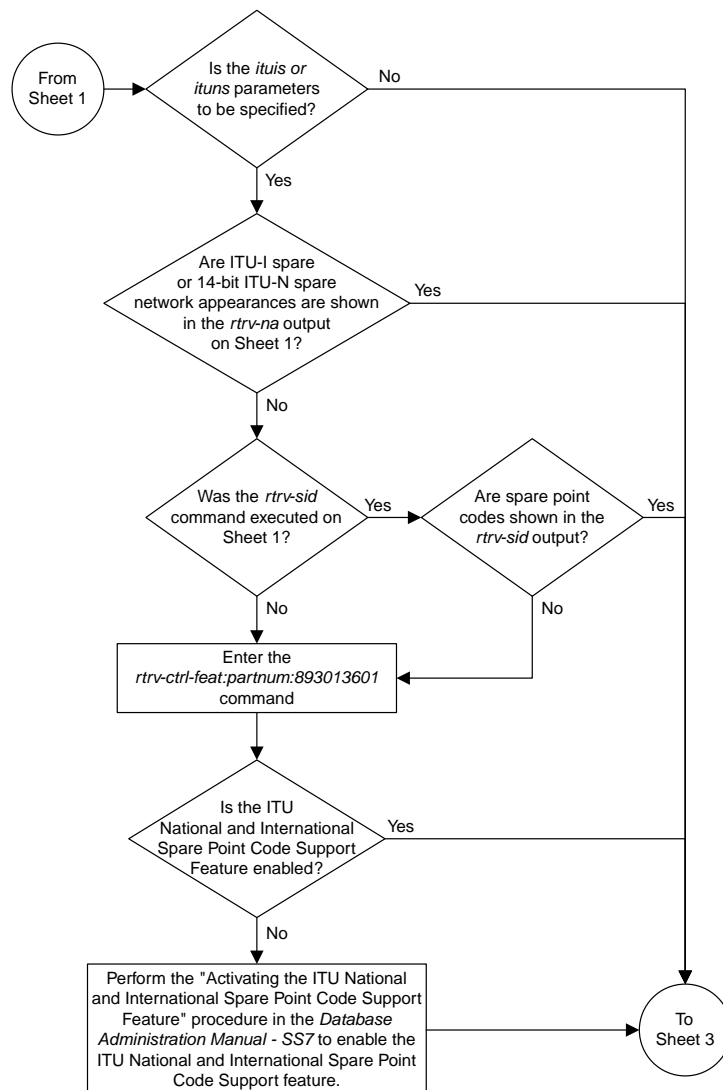


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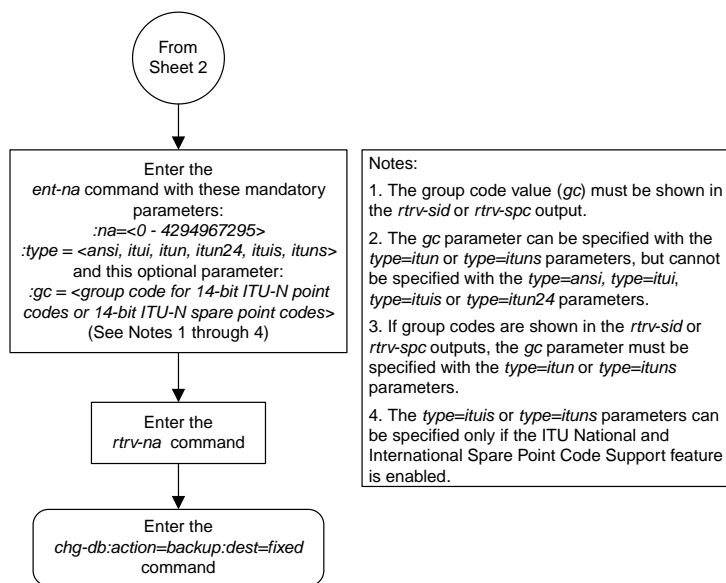
## Adding a Network Appearance



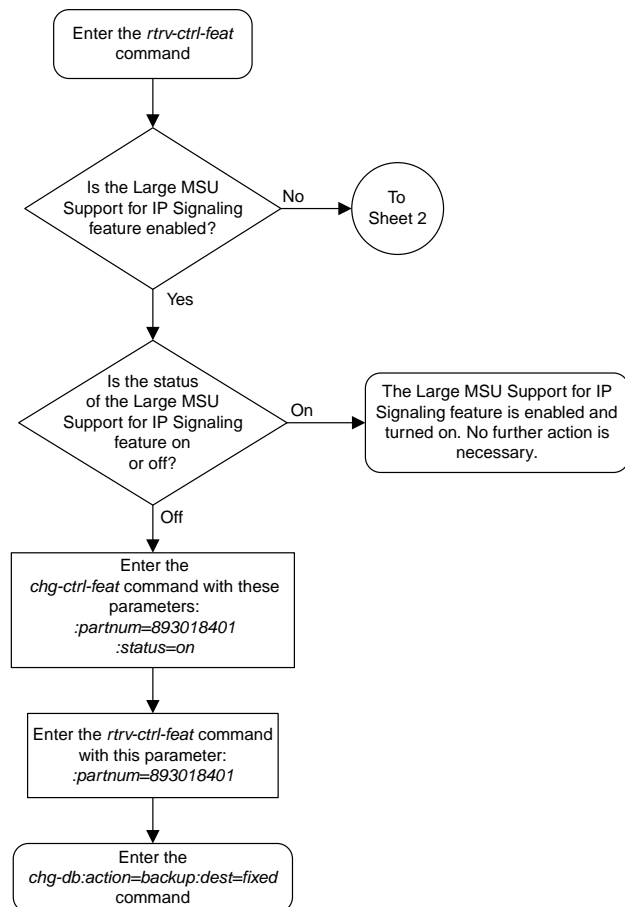




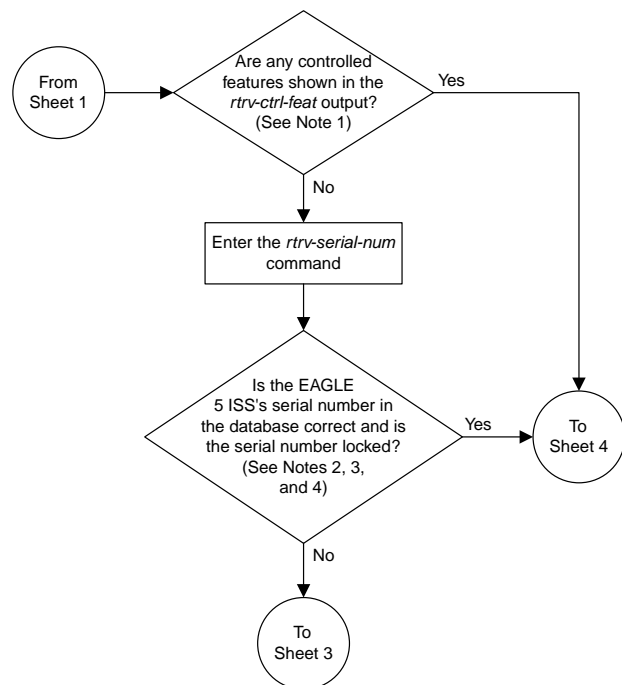
Sheet 2 of 3



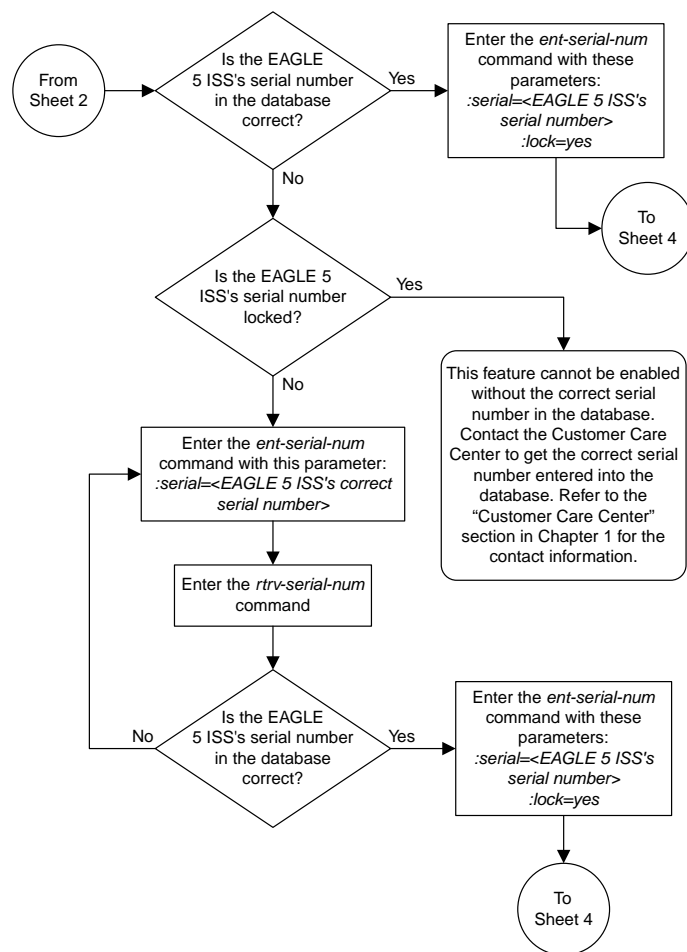
## Activating the Large MSU Support for IP Signaling Feature



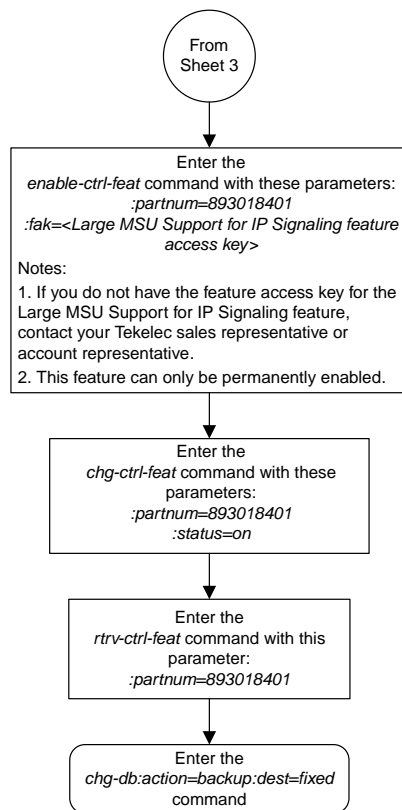
Sheet 1 of 4

**Notes:**

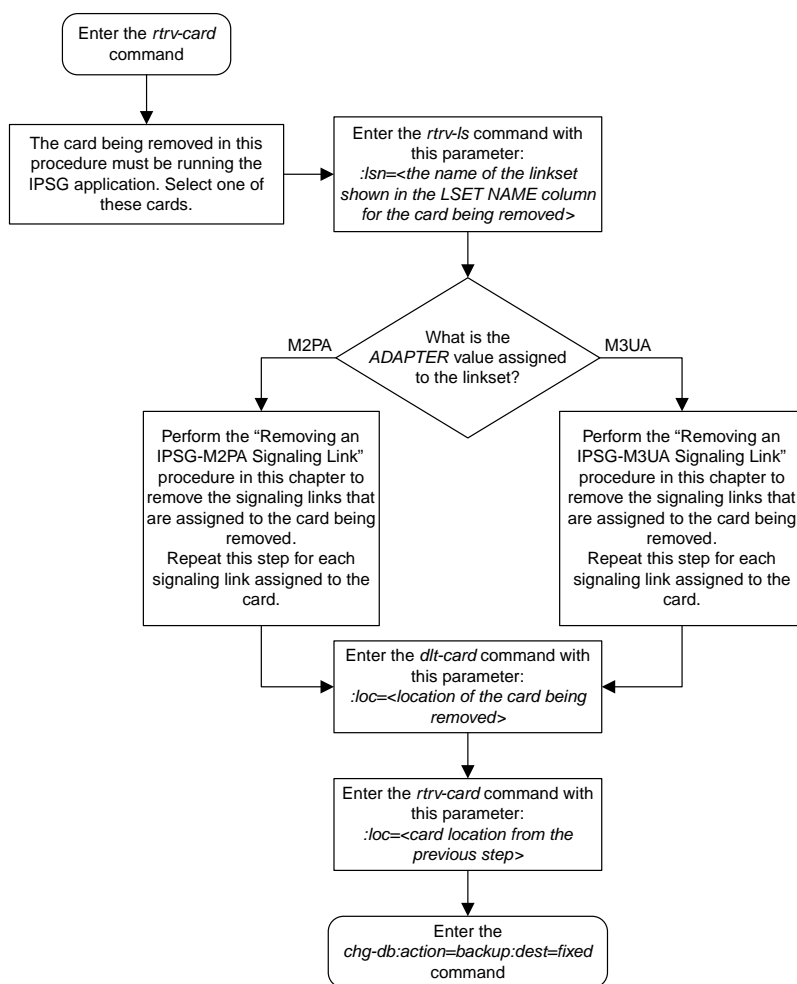
1. If the *rtrv-ctrl-feat* output shows only the HC -MIM SLK Capacity feature with a quantity of 64, the answer to this question is no and the Eagle 5 ISS's serial number must be verified. This is the default entry for the *rtrv-ctrl-feat* output. This entry is shown whether or not the Eagle 5 ISS's serial number is in the database.
2. If the serial number is locked, it cannot be changed.
3. If the serial number is not locked, the controlled feature cannot be enabled.
4. The serial number can be found on a label affixed to the control shelf (shelf 1100).



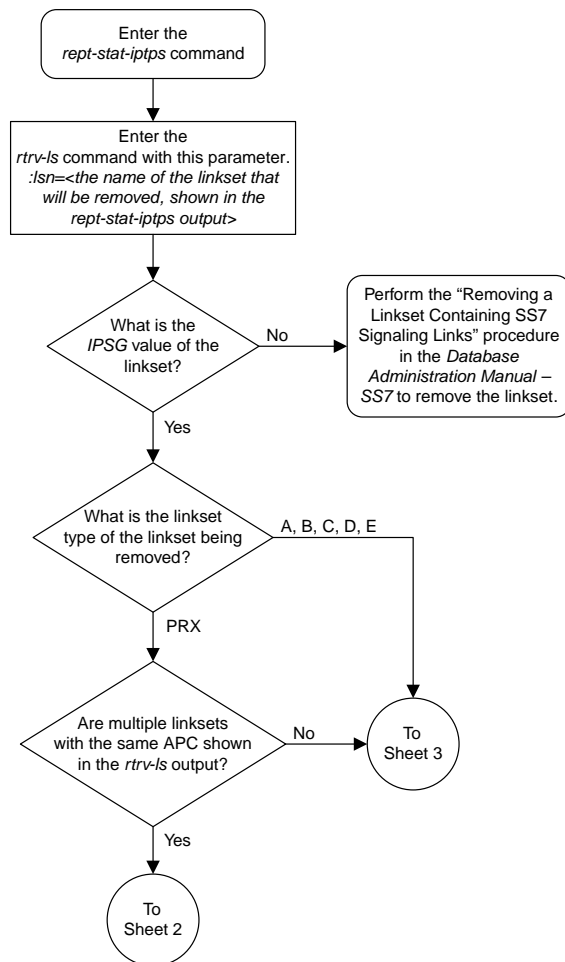
Sheet 3 of 4



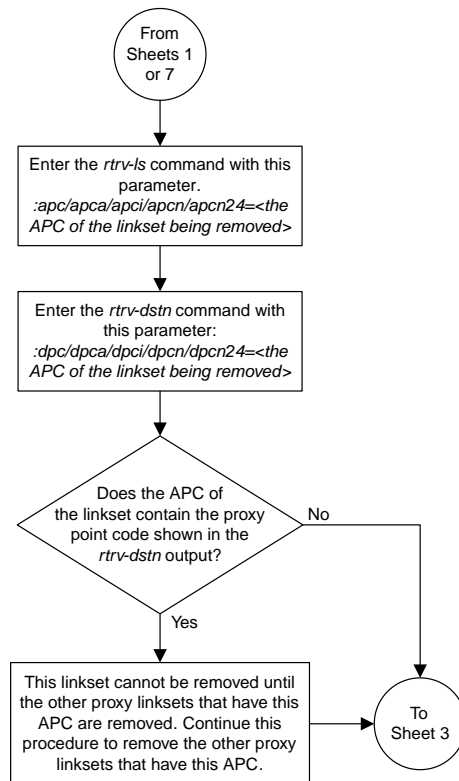
## Removing an IPSG Card

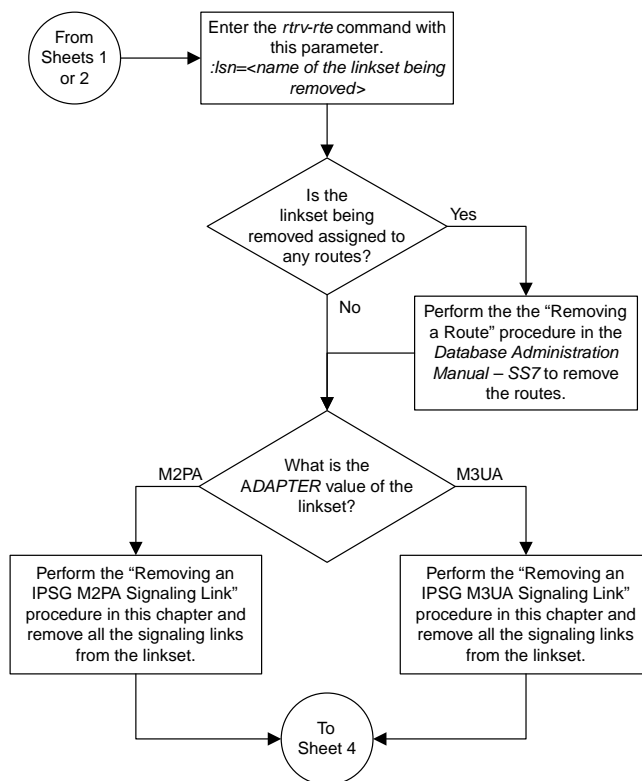


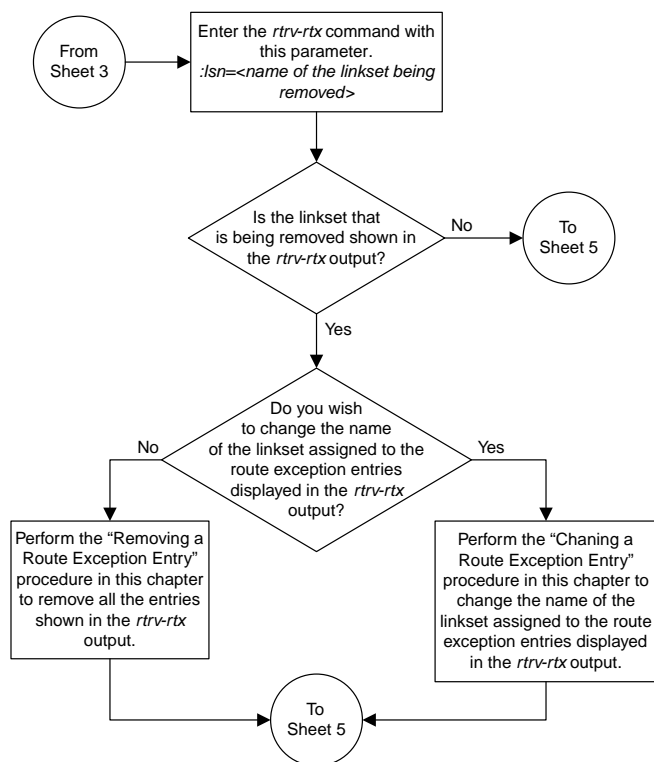
## Removing an IPSG Linkset

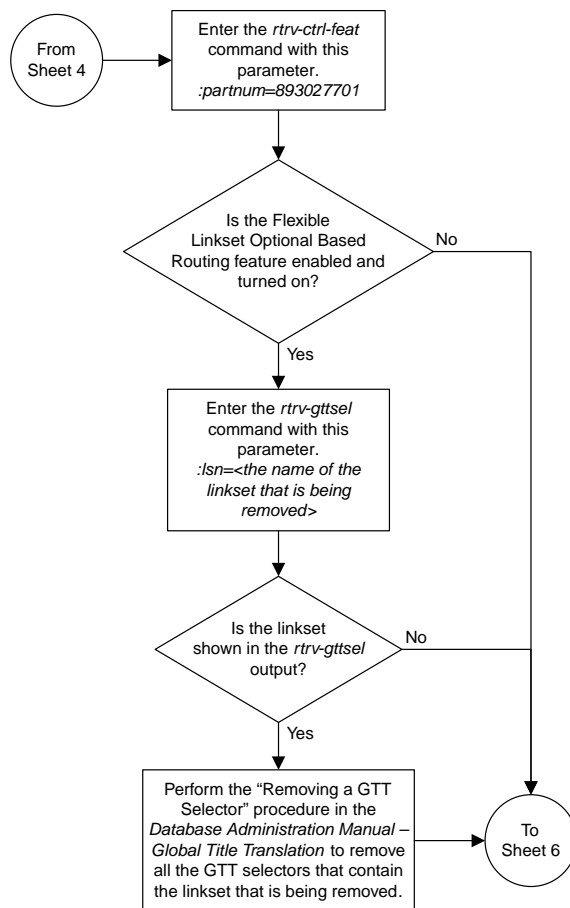


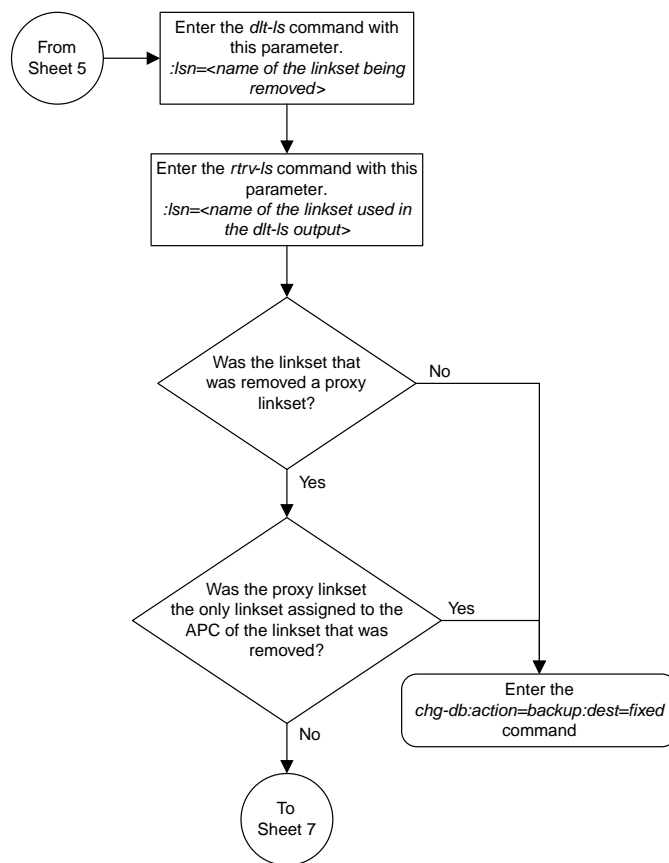




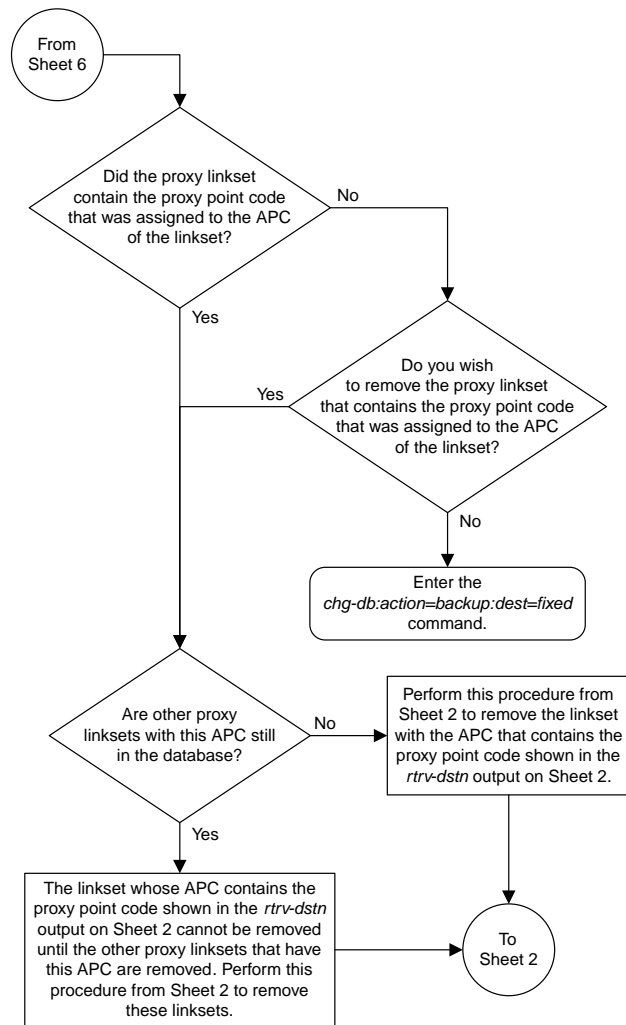






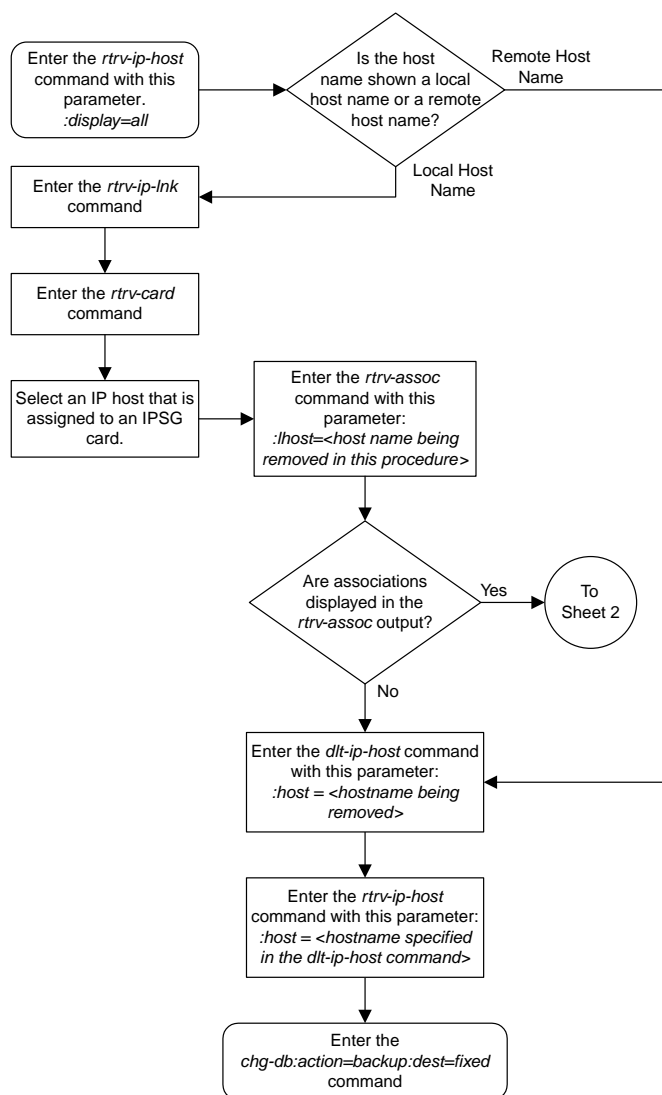


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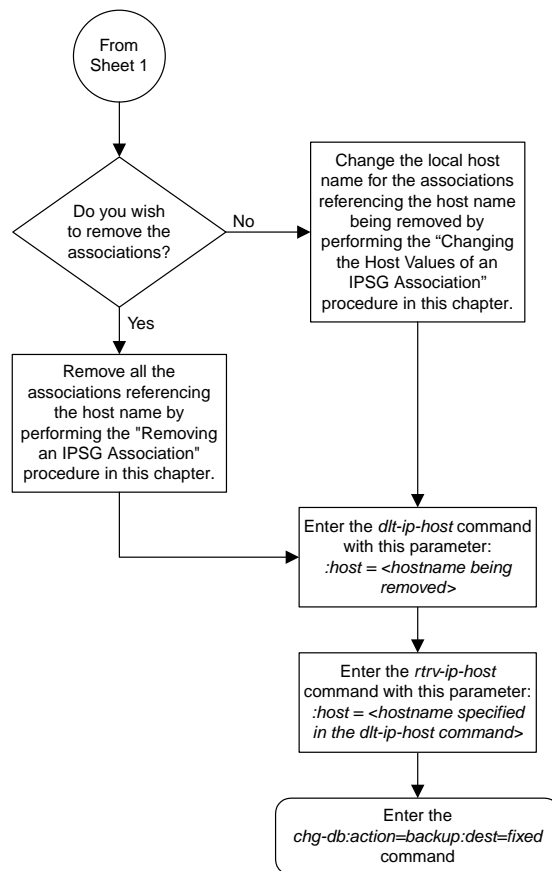


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## Removing an IP Host Assigned to an IPSG Card



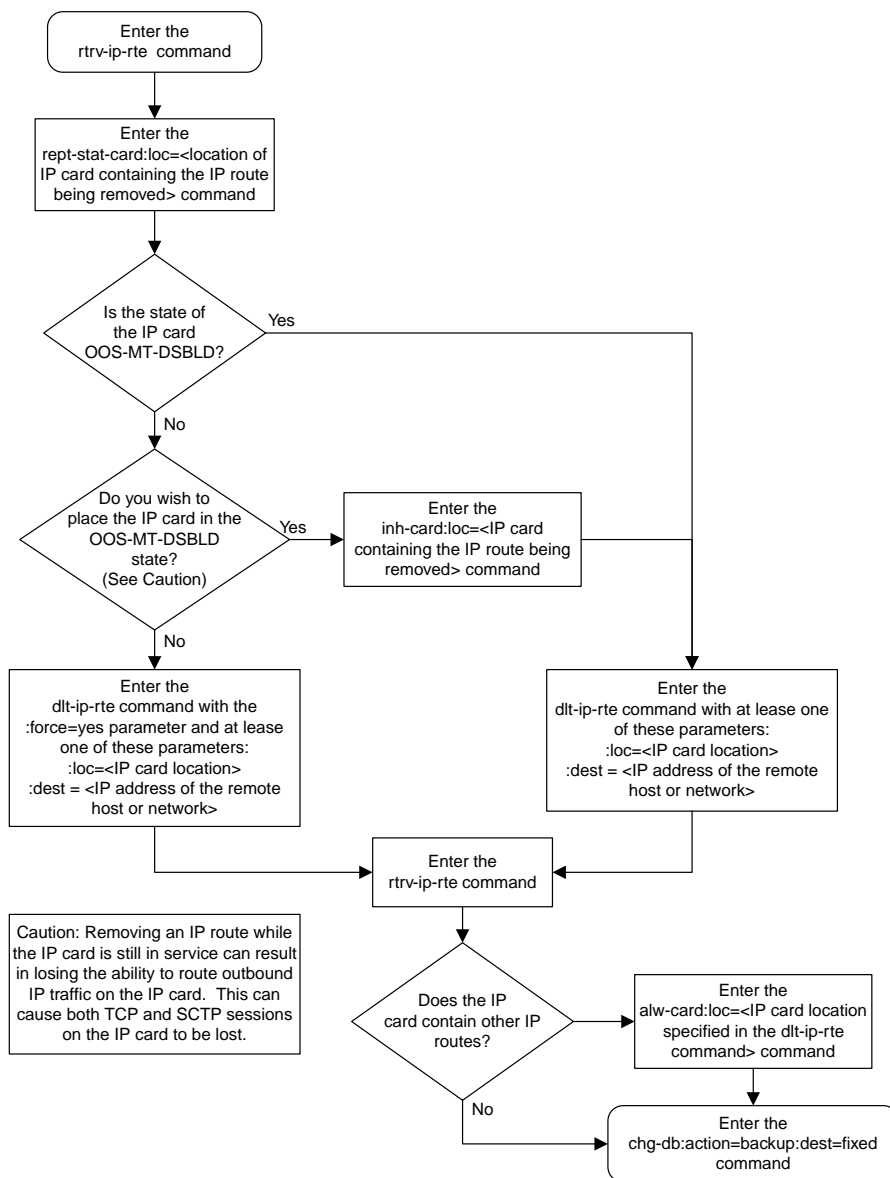
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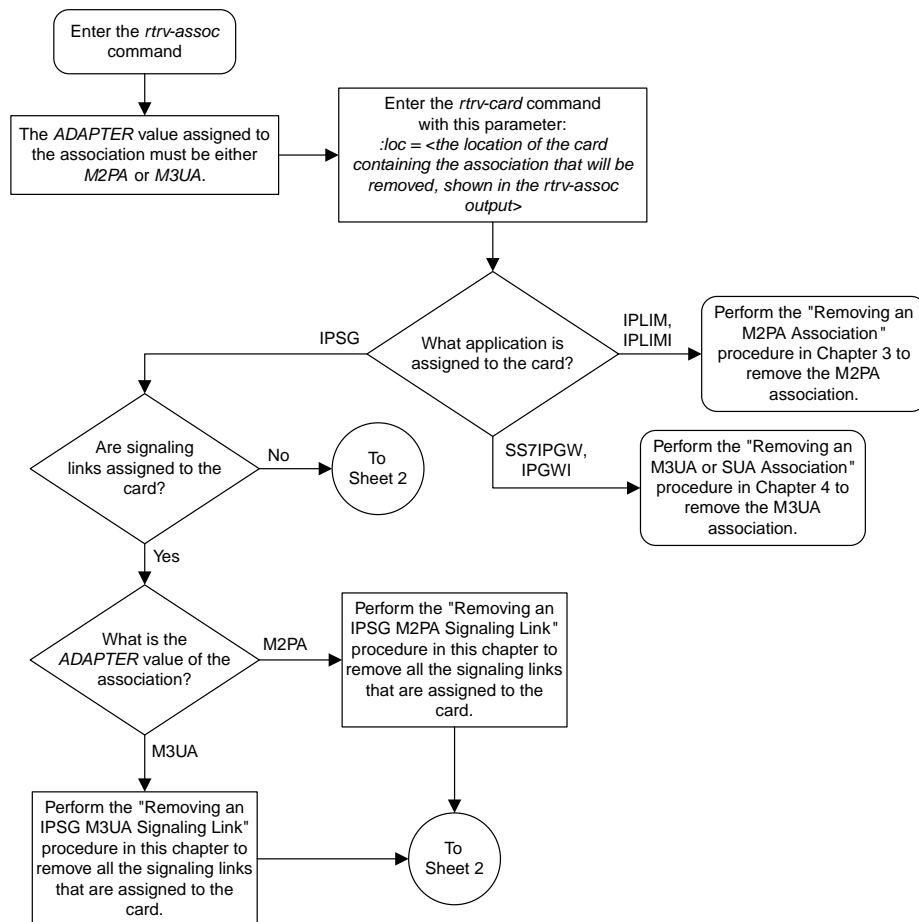
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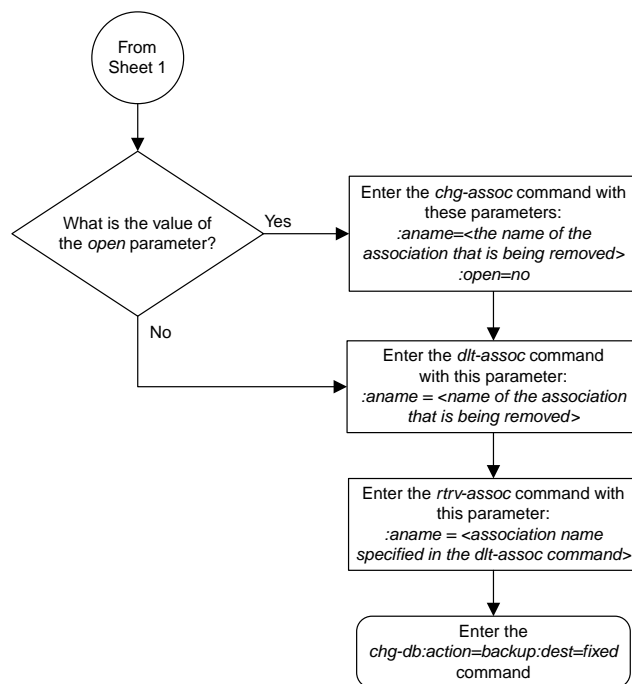
## Removing an IP Route



## Removing an IPSG Association

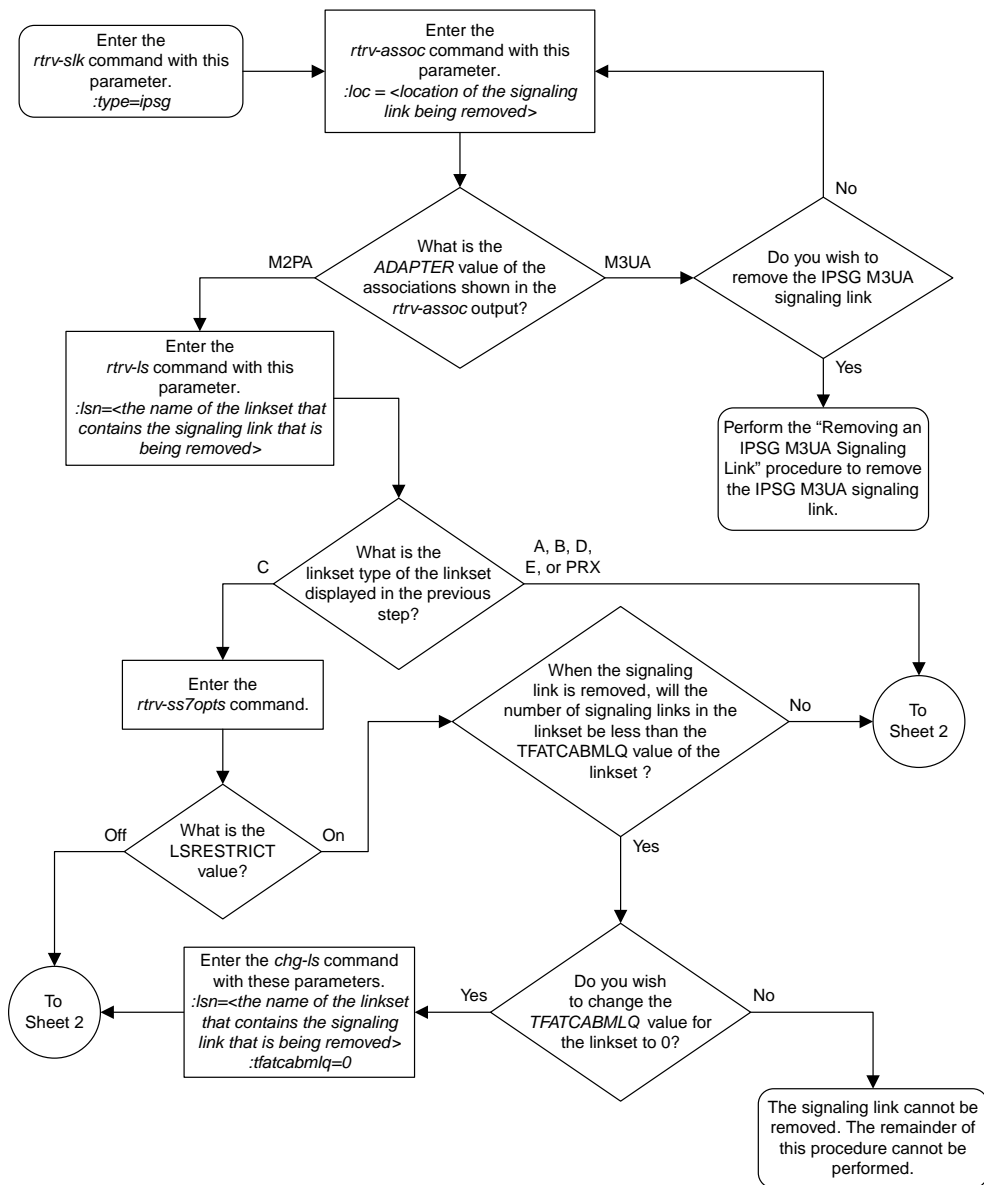


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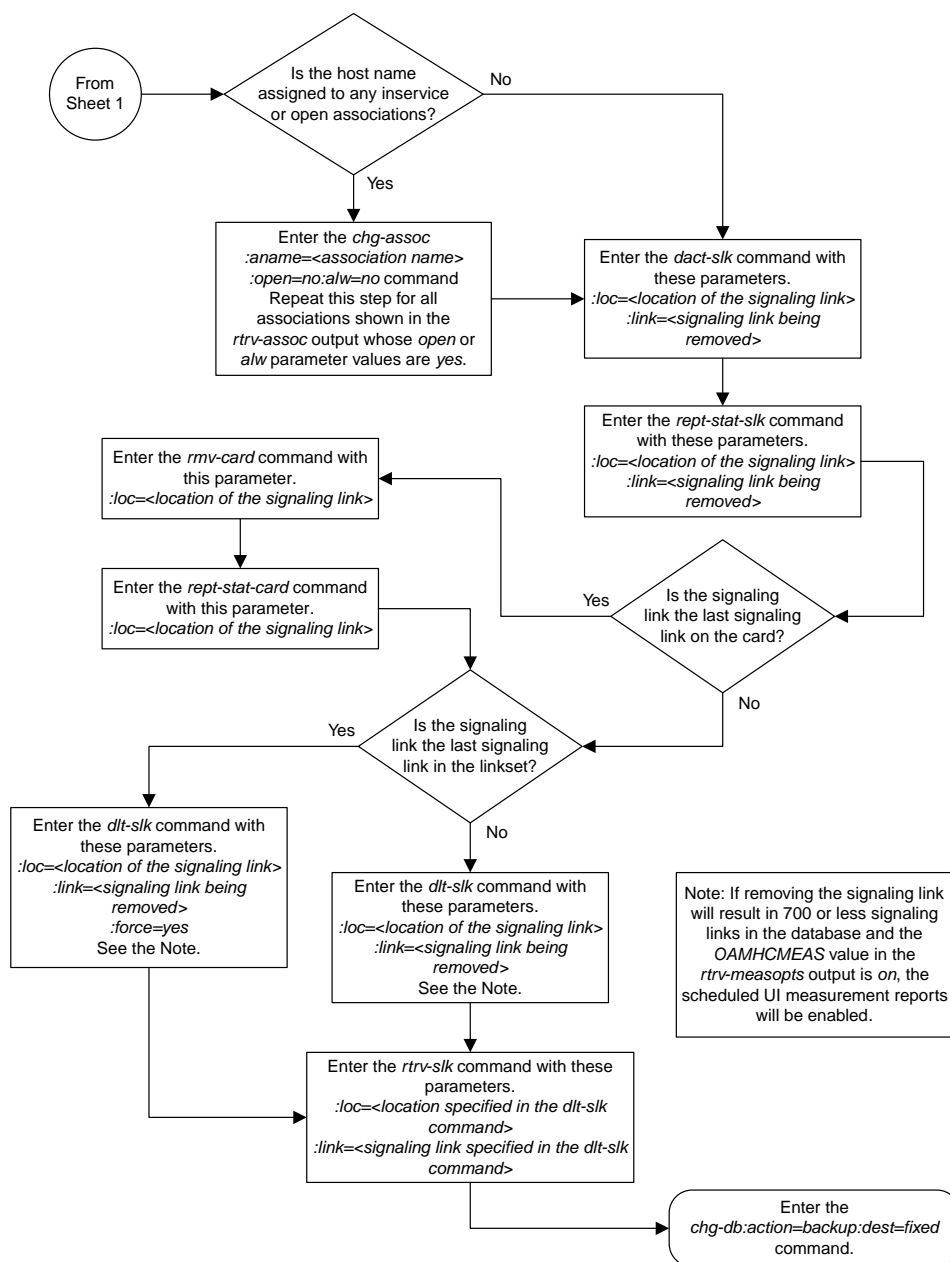


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## Removing an IPSG M2PA Signaling Link

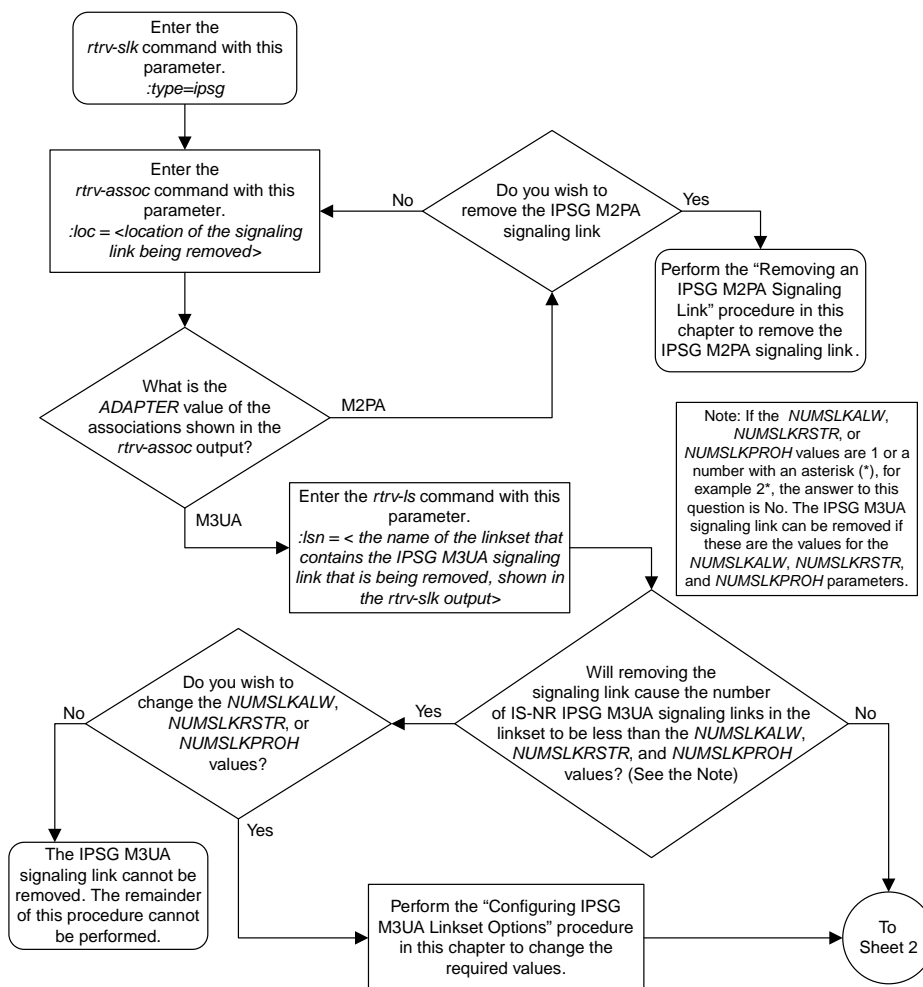


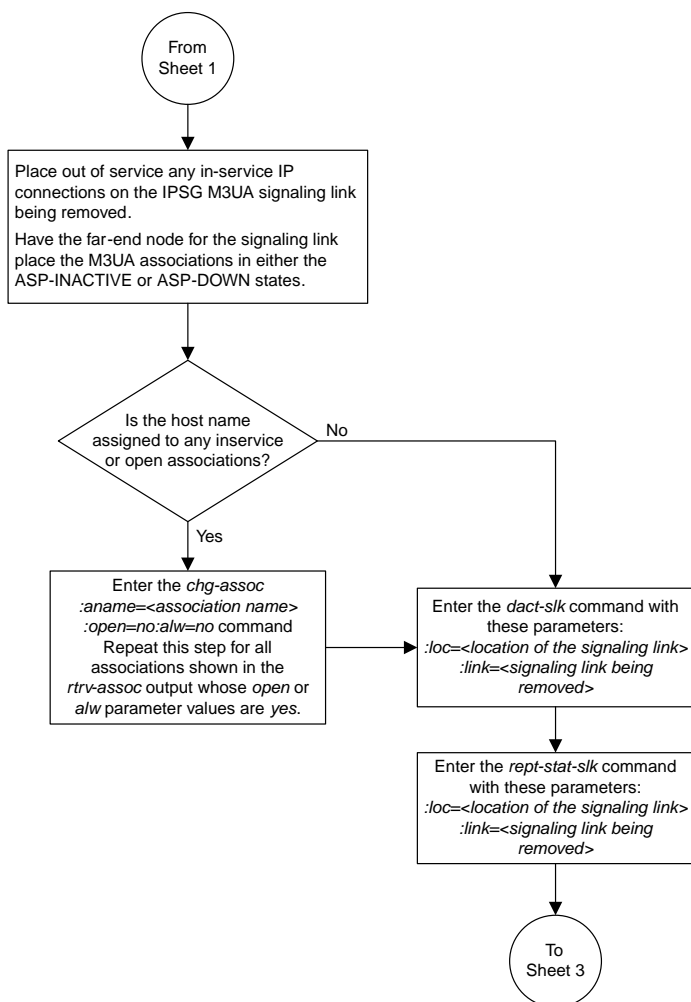
Sheet 1 of 2



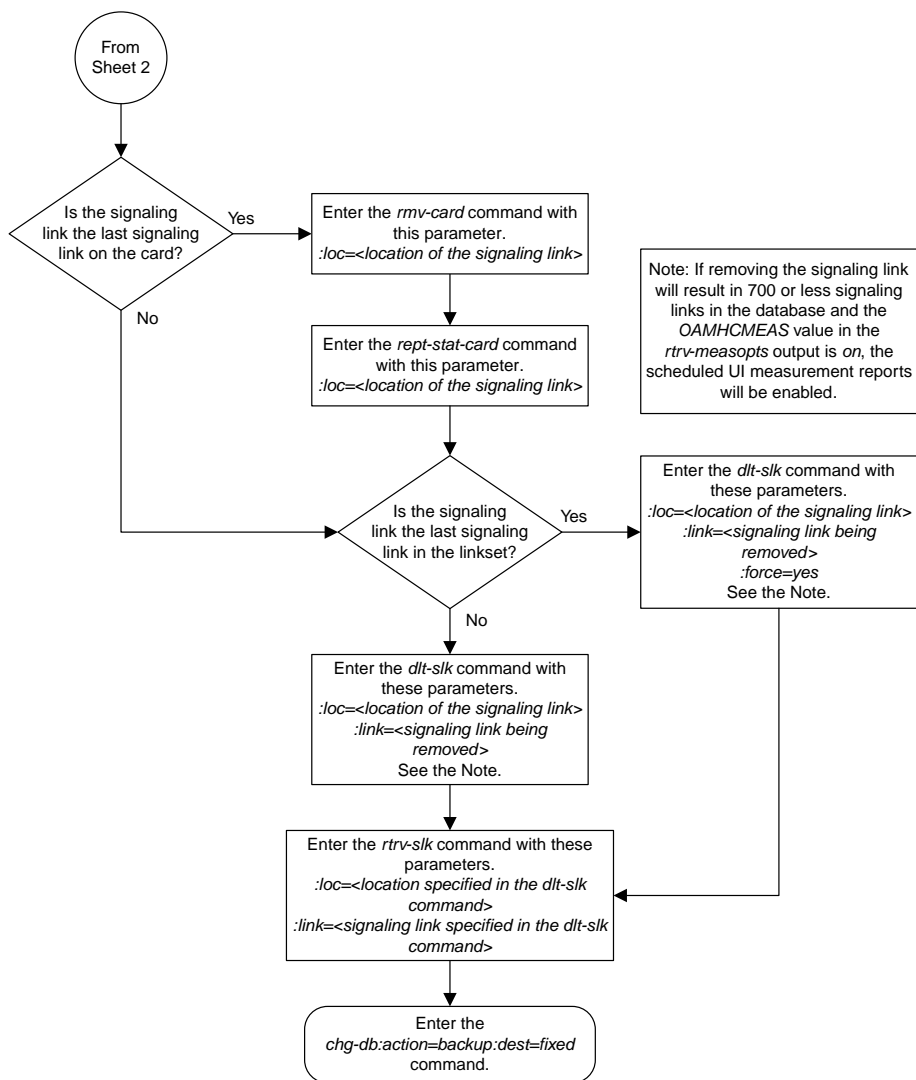
Sheet 2 of 2

## Removing an IPSG M3UA Signaling Link



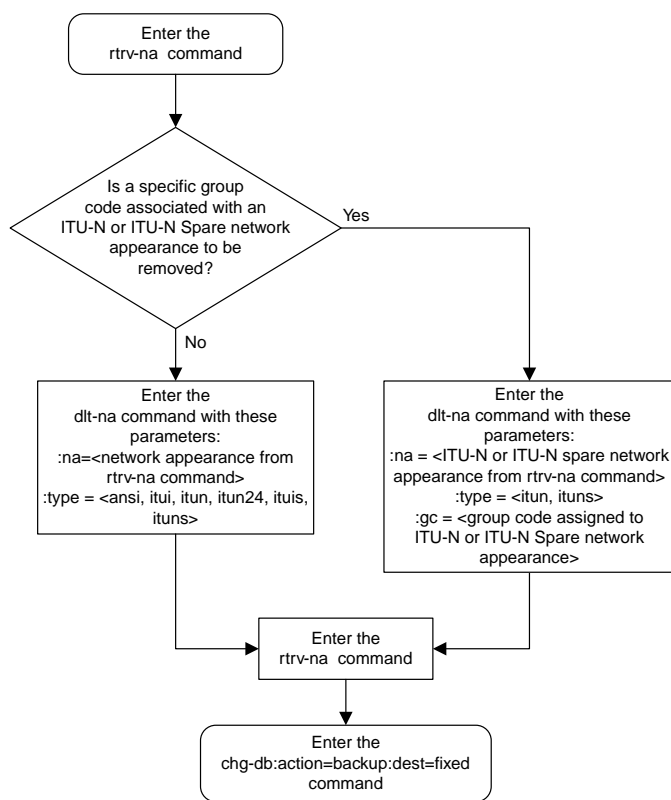


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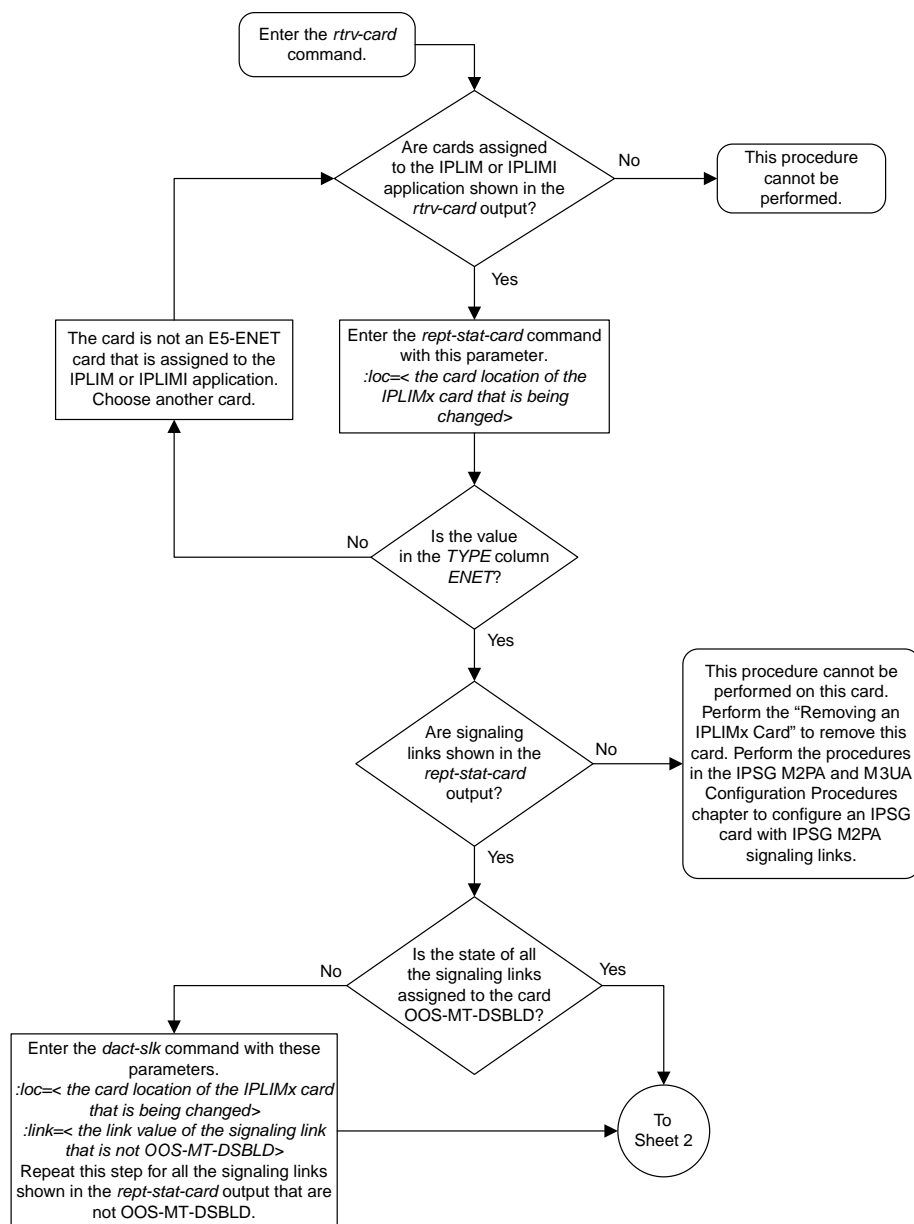




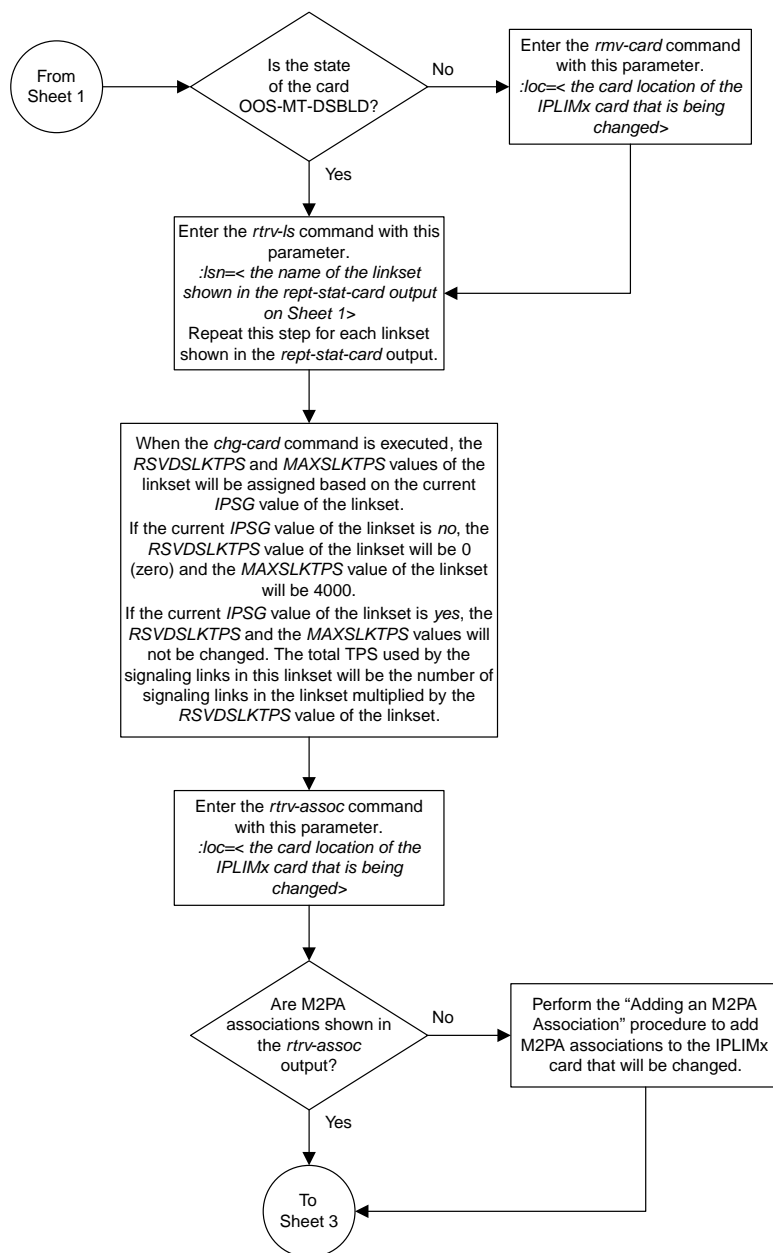
## Removing a Network Appearance



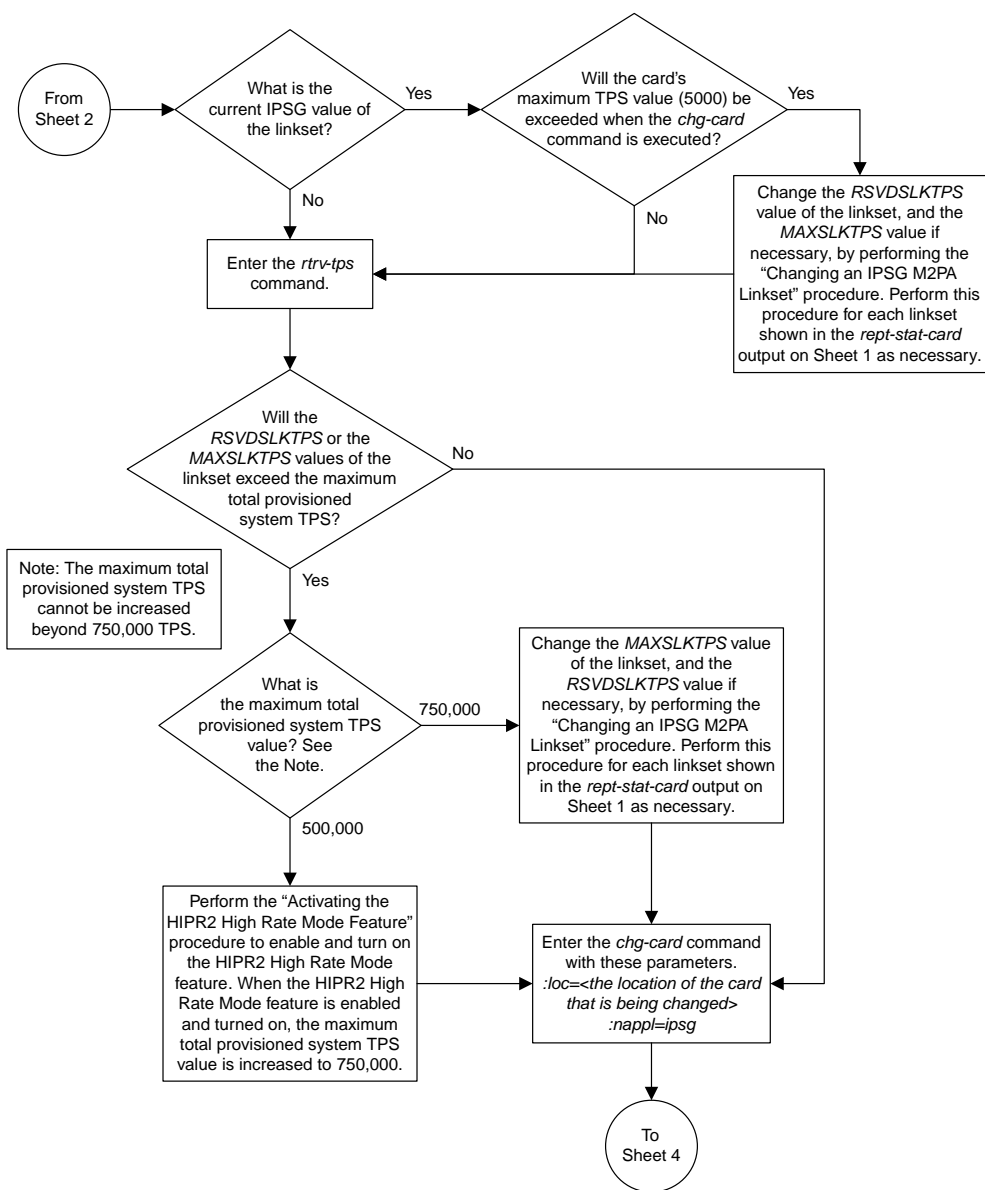
## Changing an IPLIMx Card to an IPSG Card

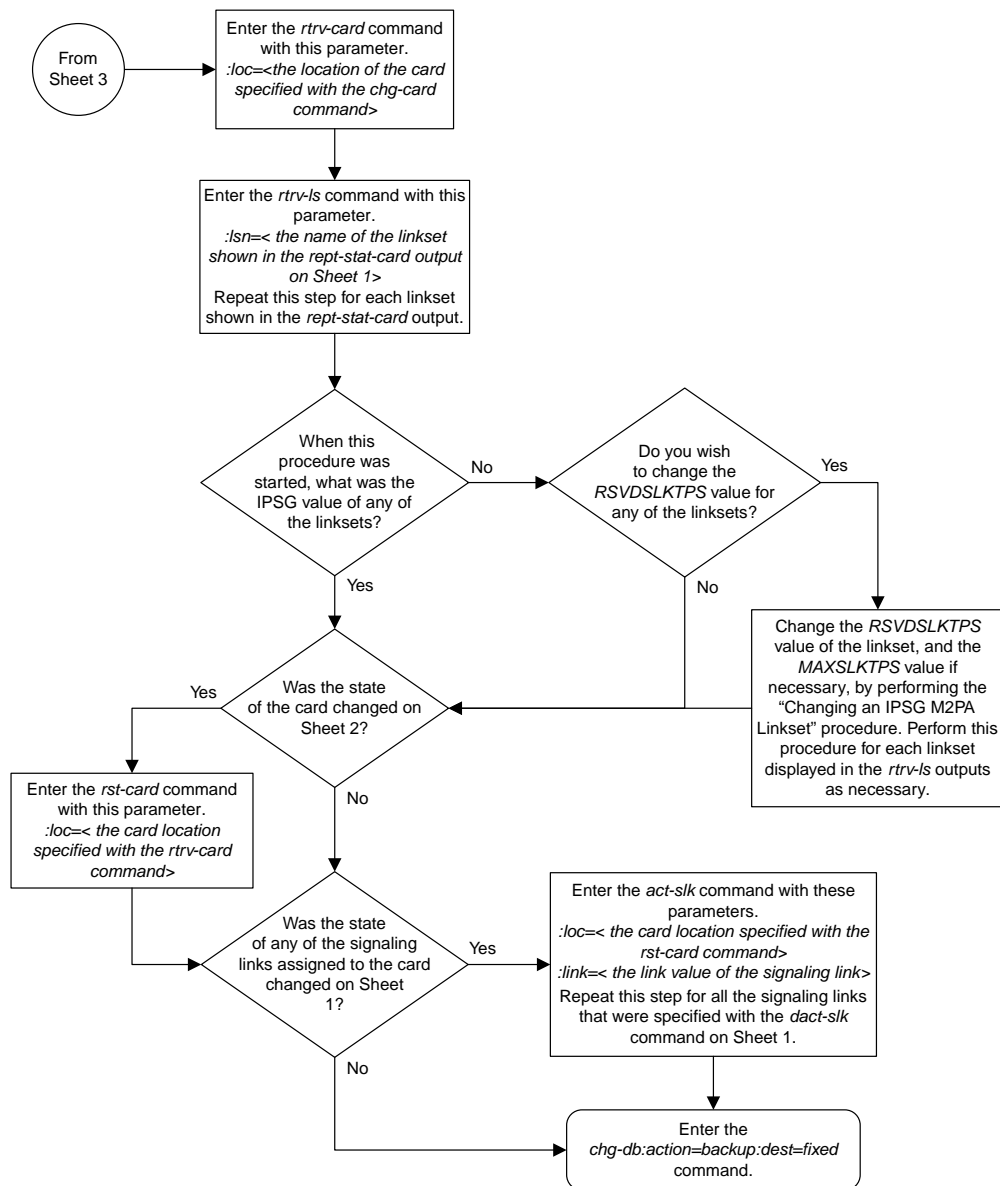


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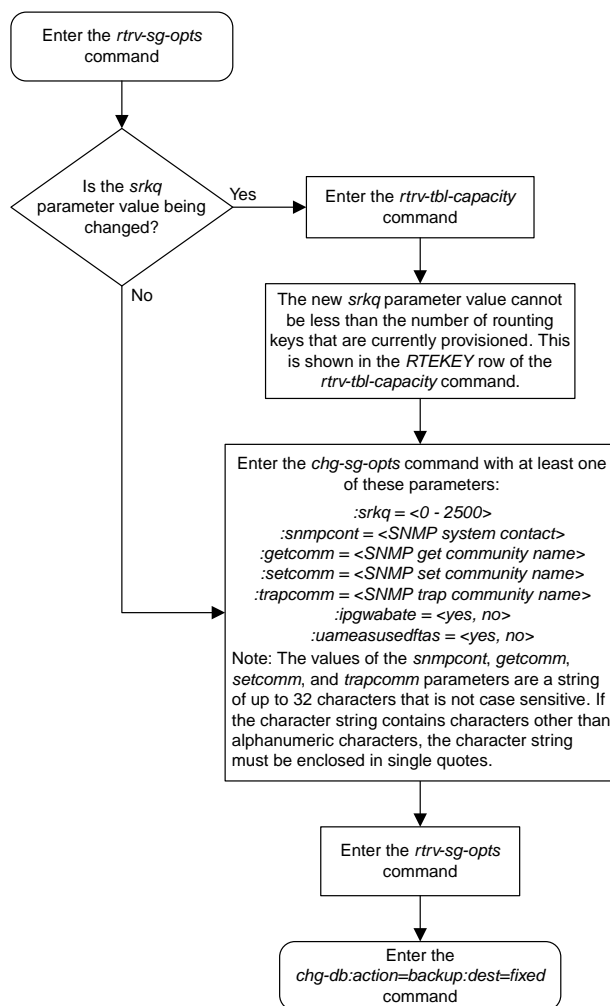
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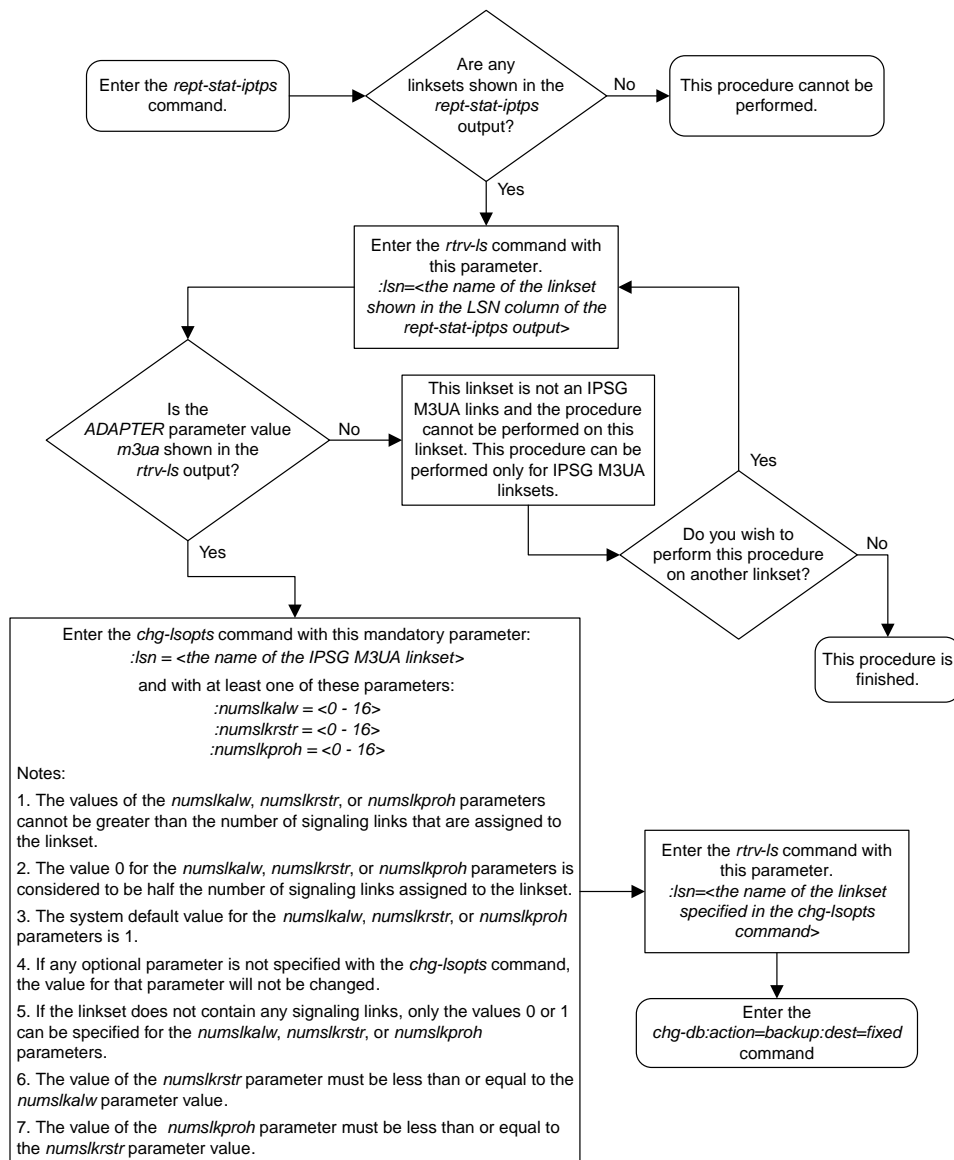


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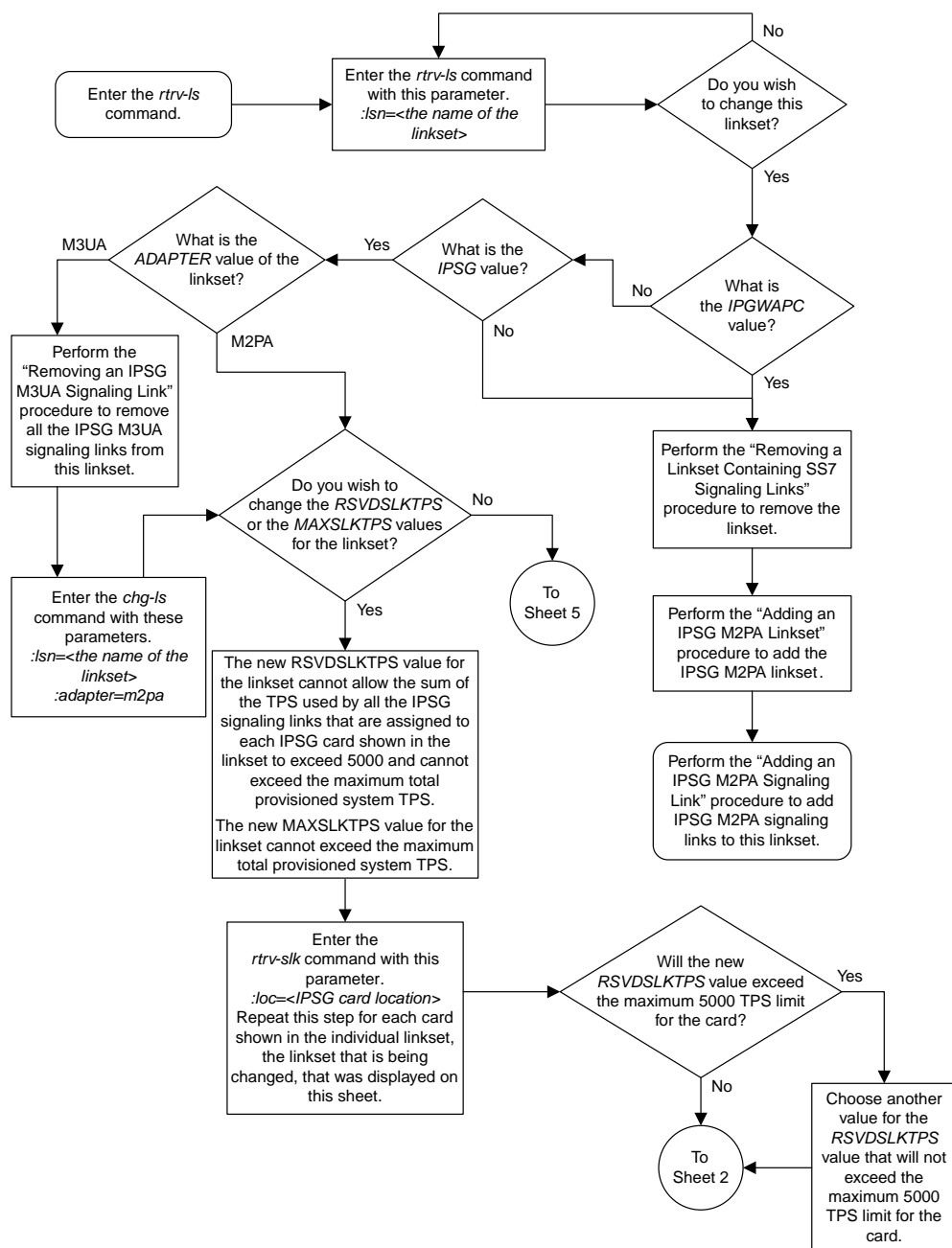
## Configuring IP Options



## Configuring IPSG M3UA Linkset Options

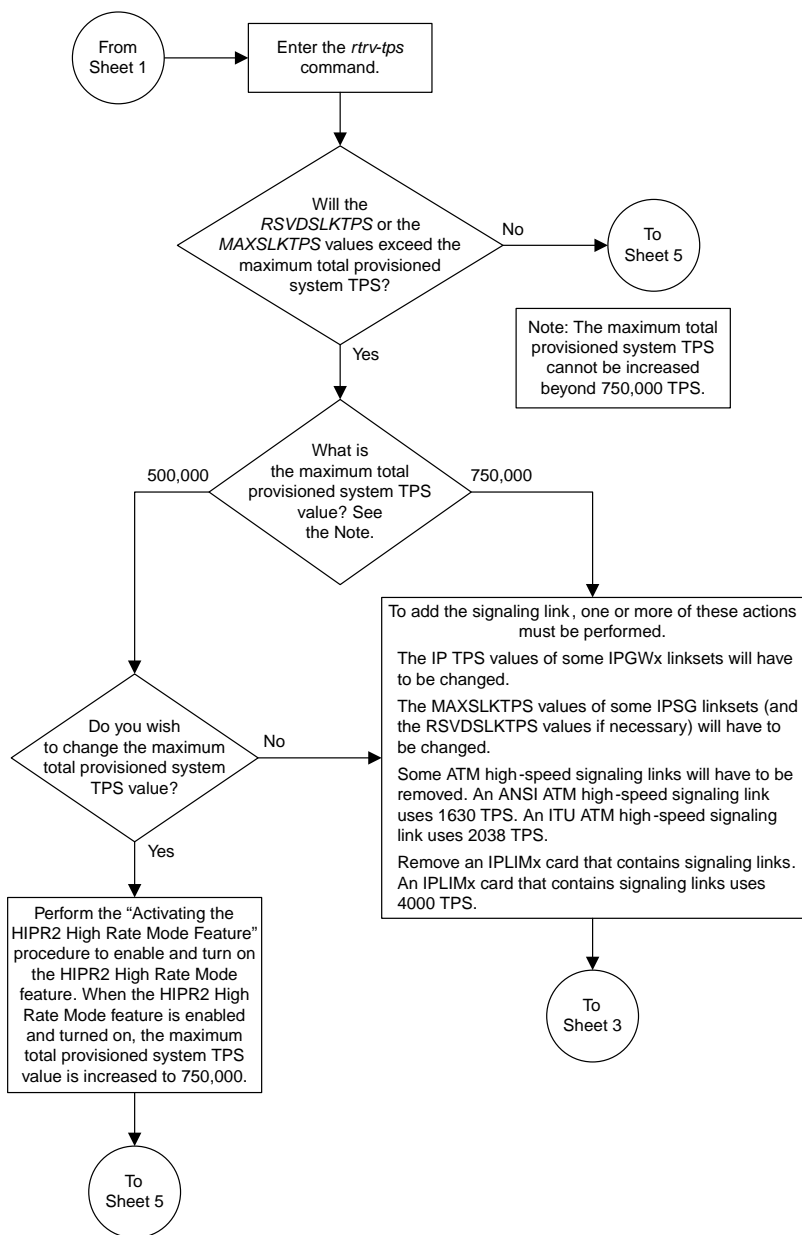


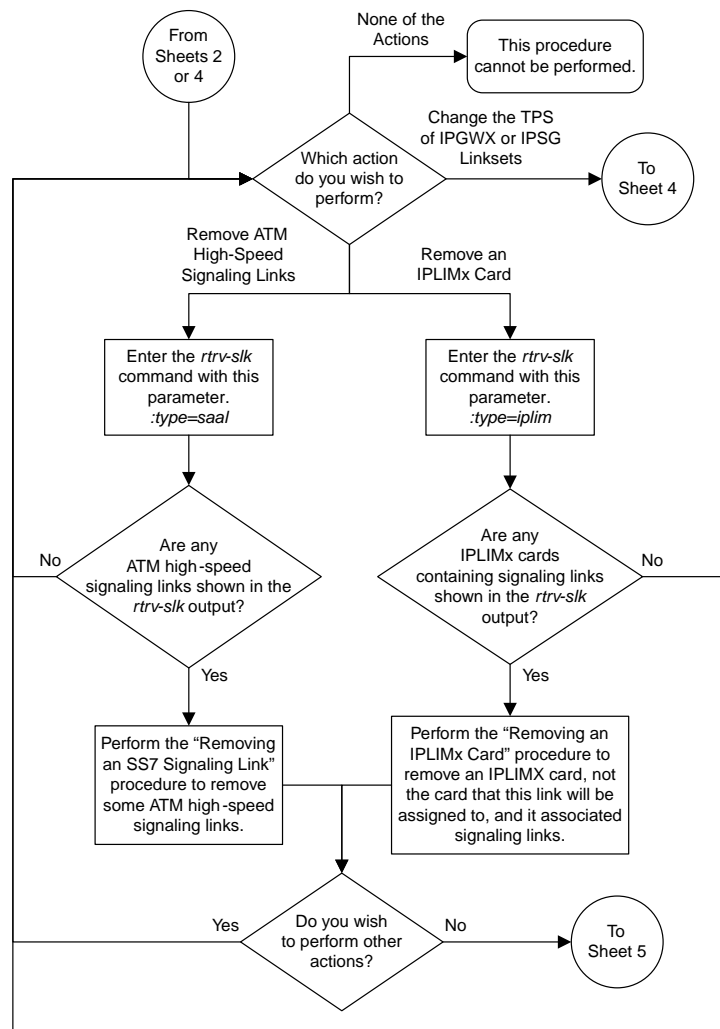
## Changing an IPSG M2PA Linkset



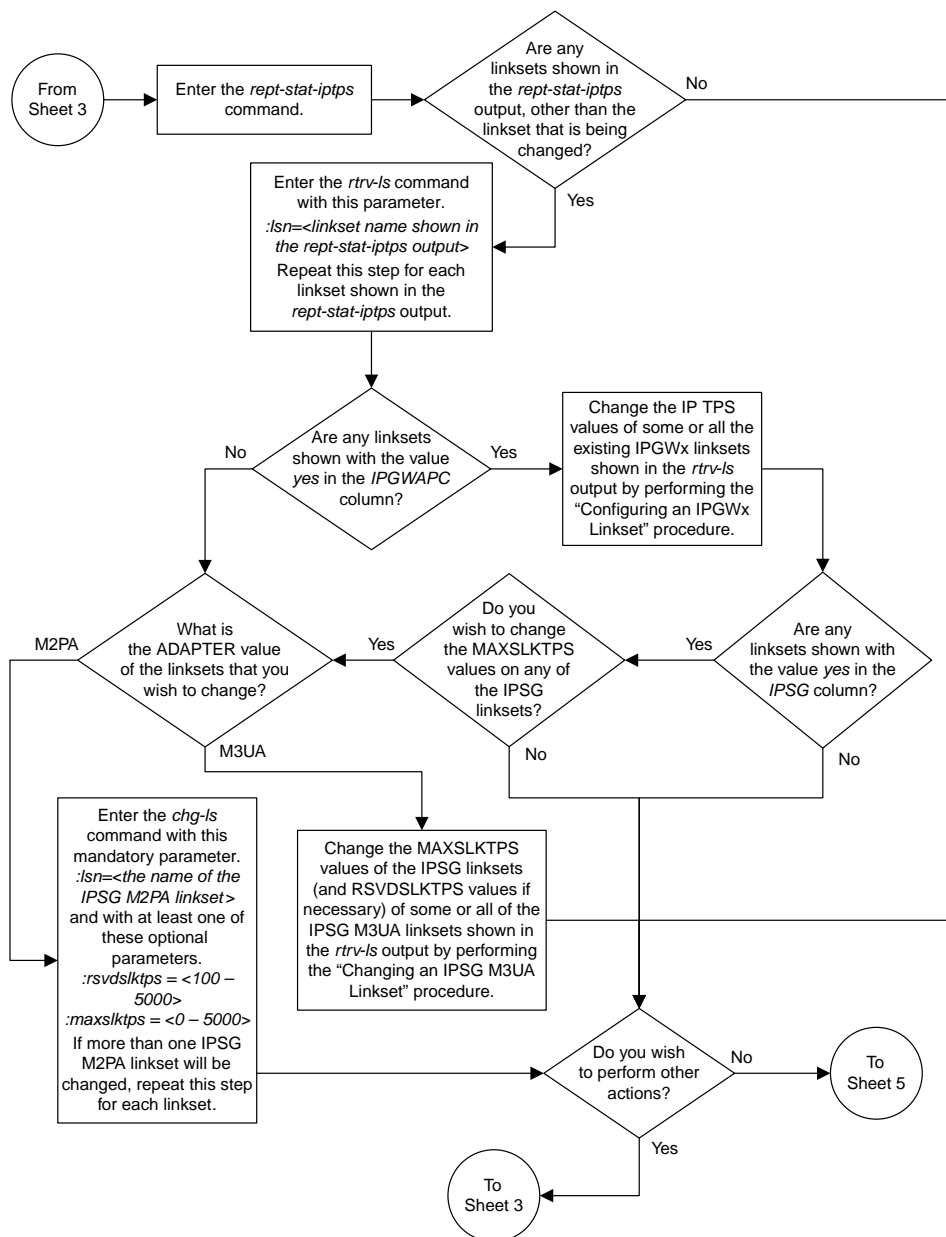
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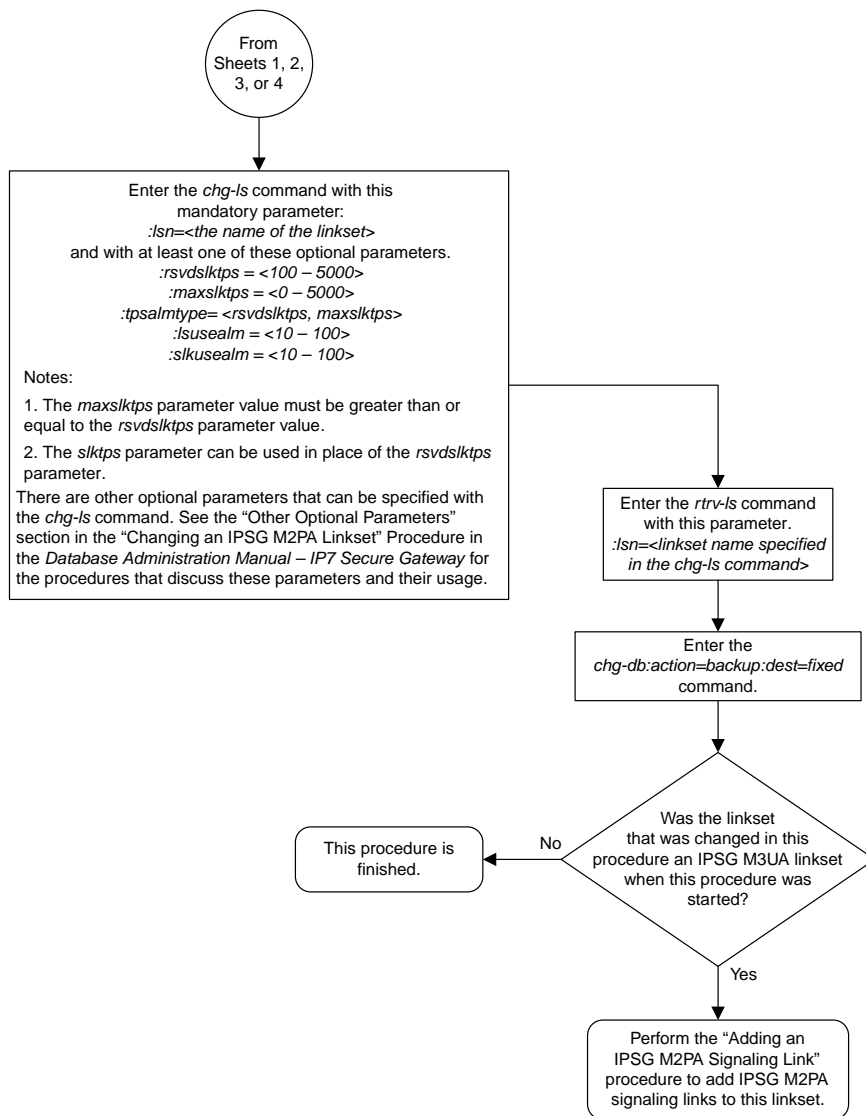




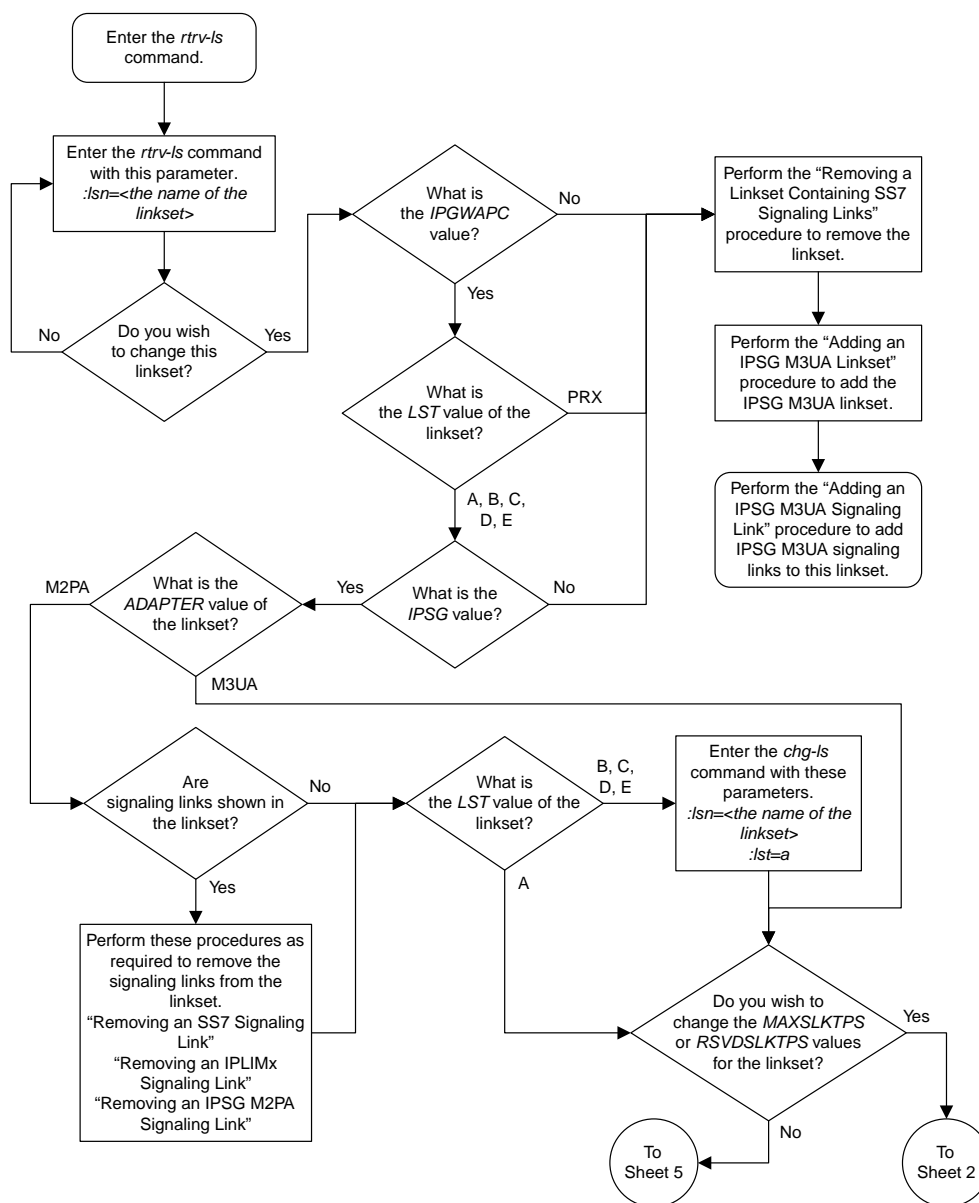
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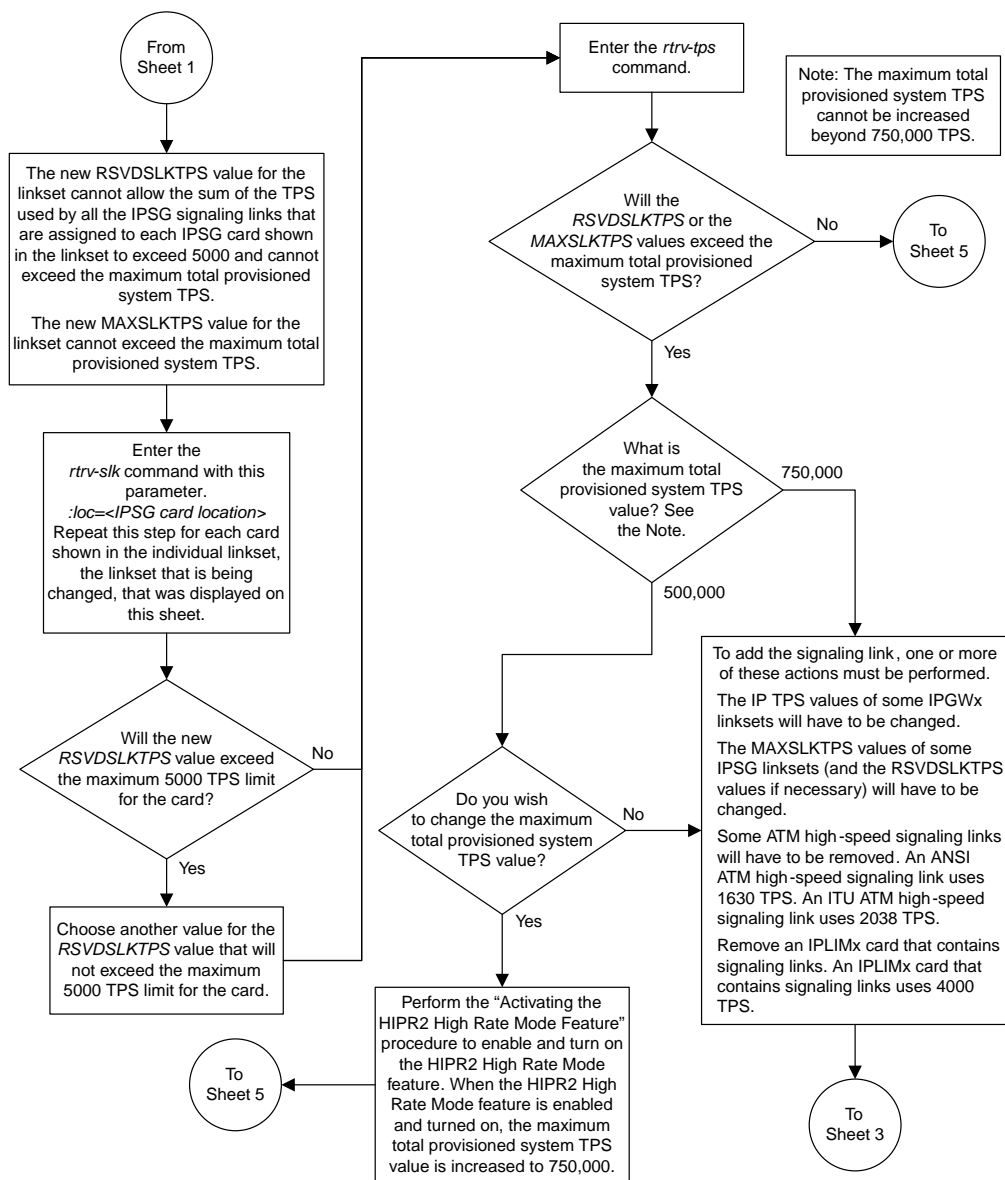


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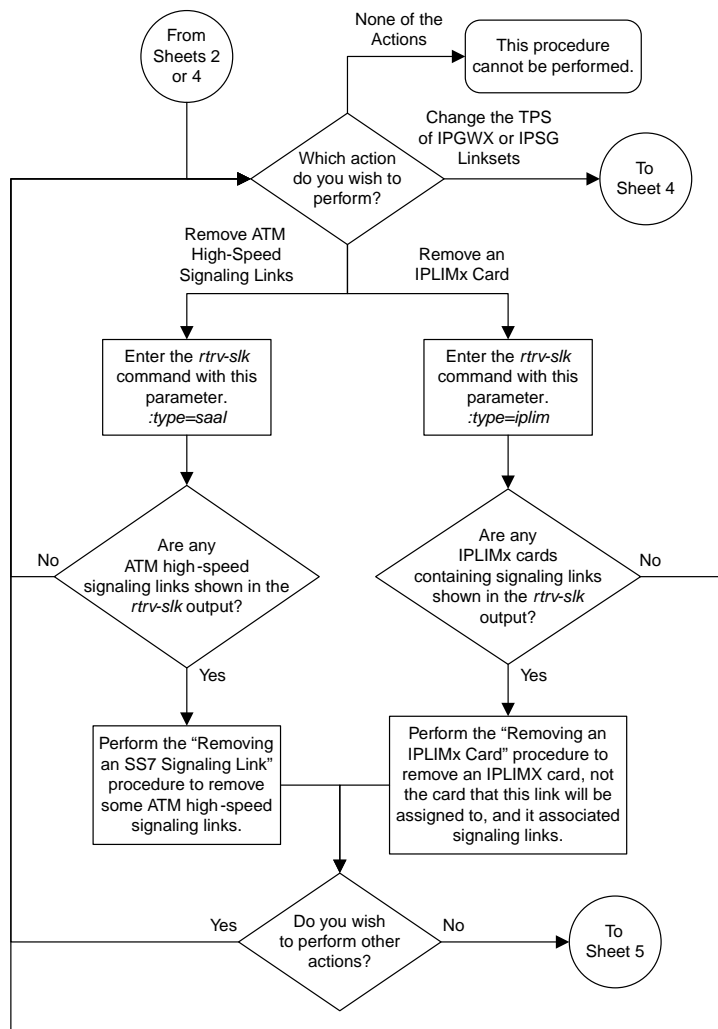


## Changing an IPSG M3UA Linkset

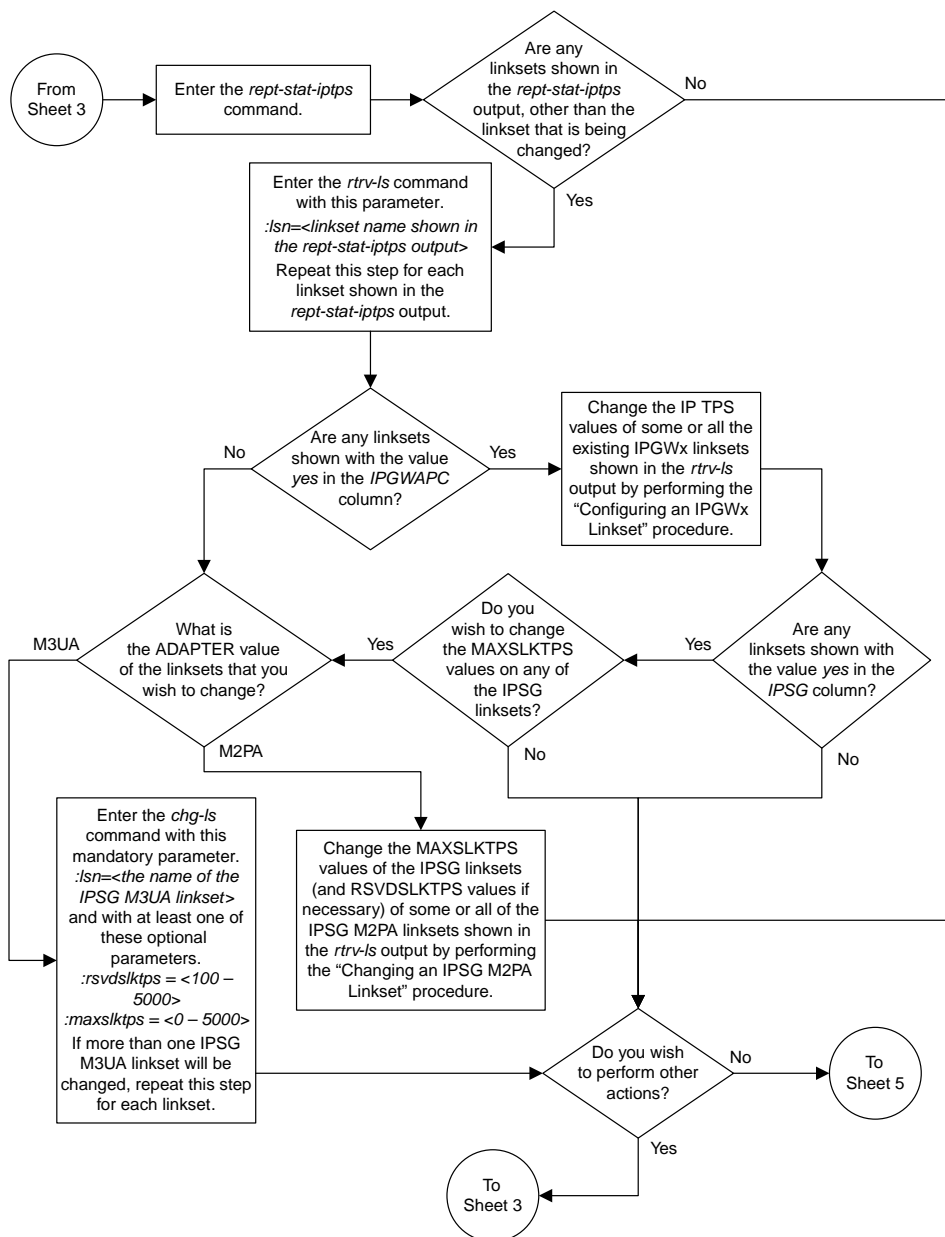




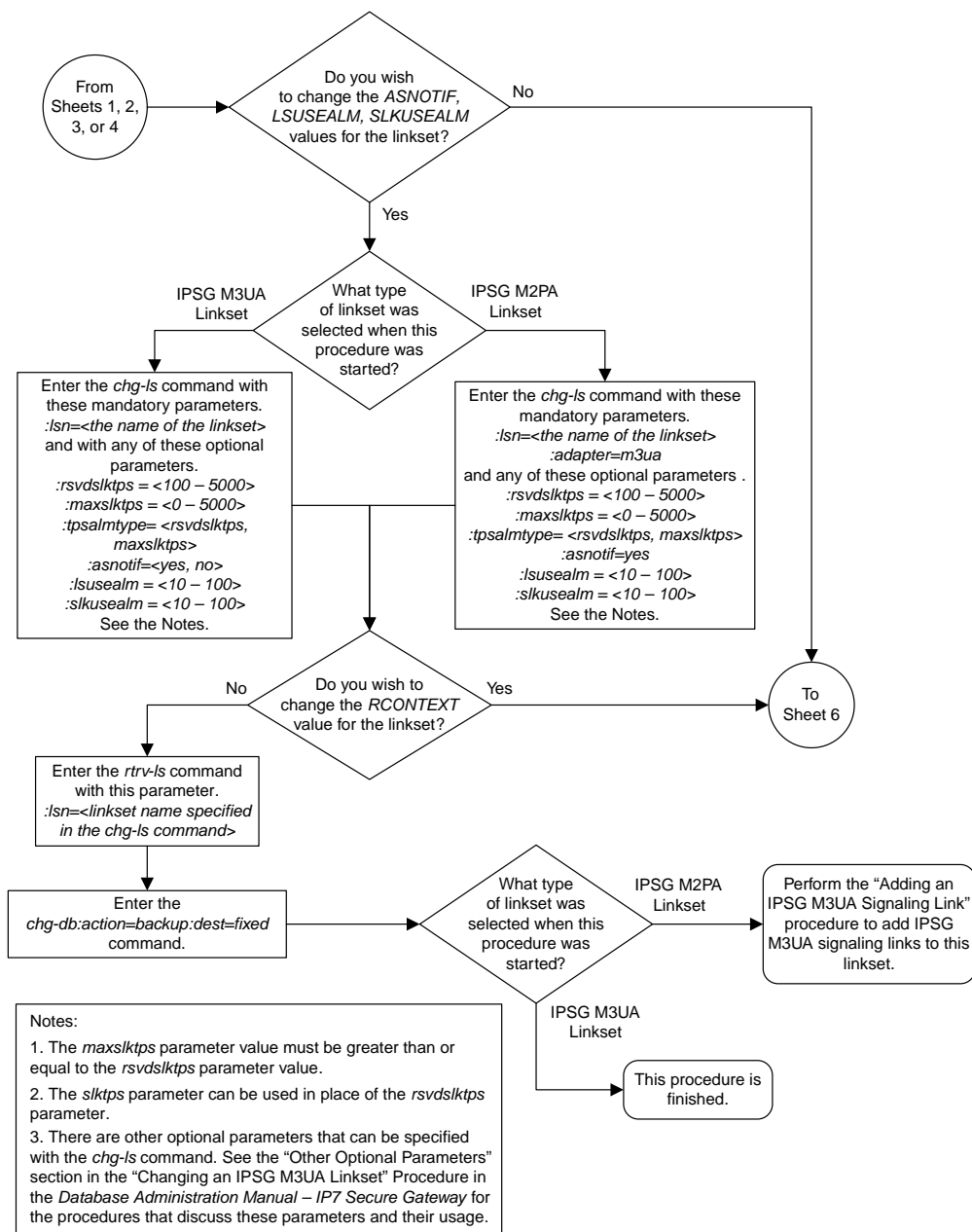
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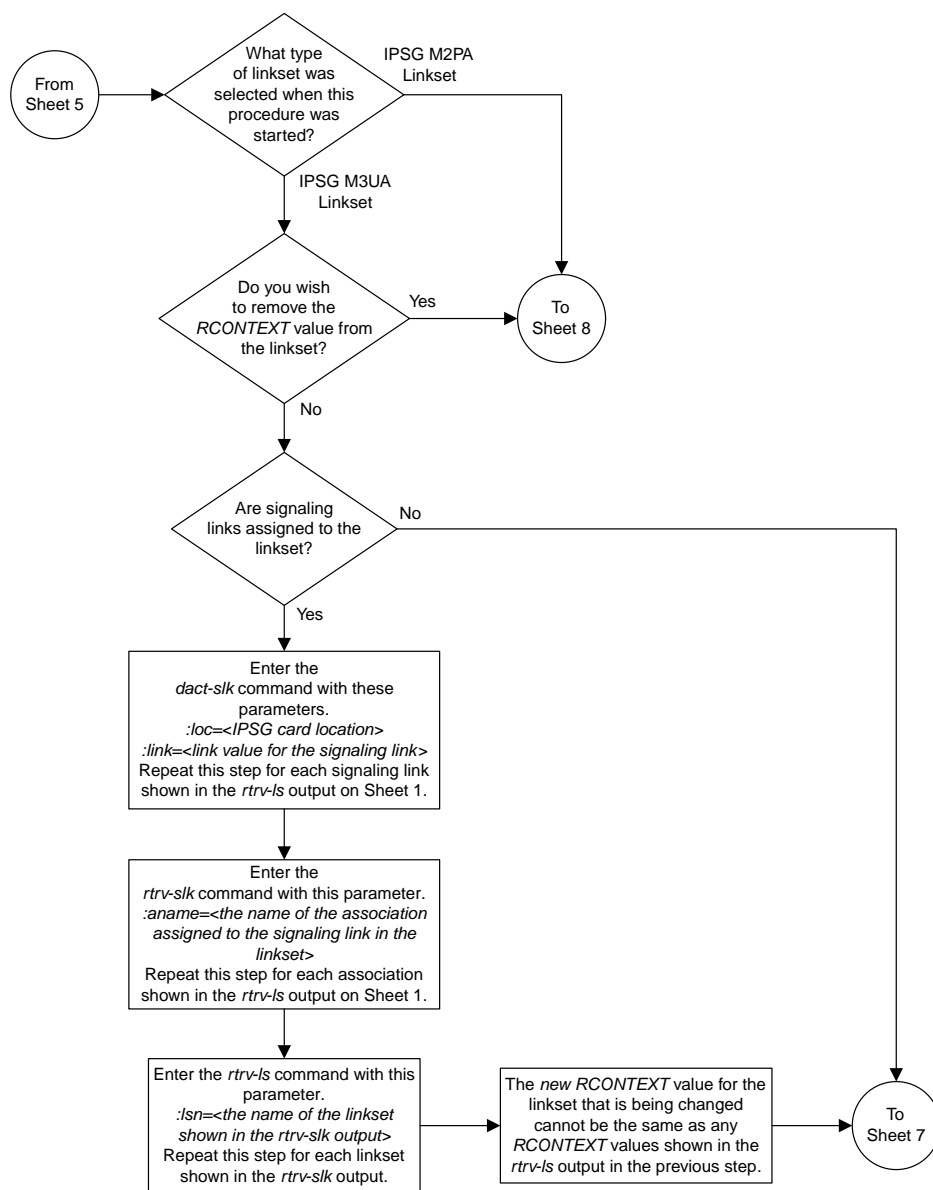


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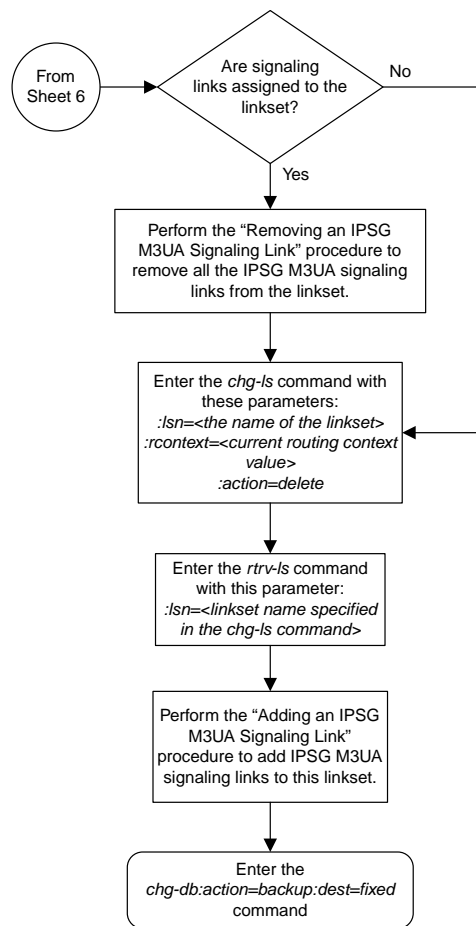


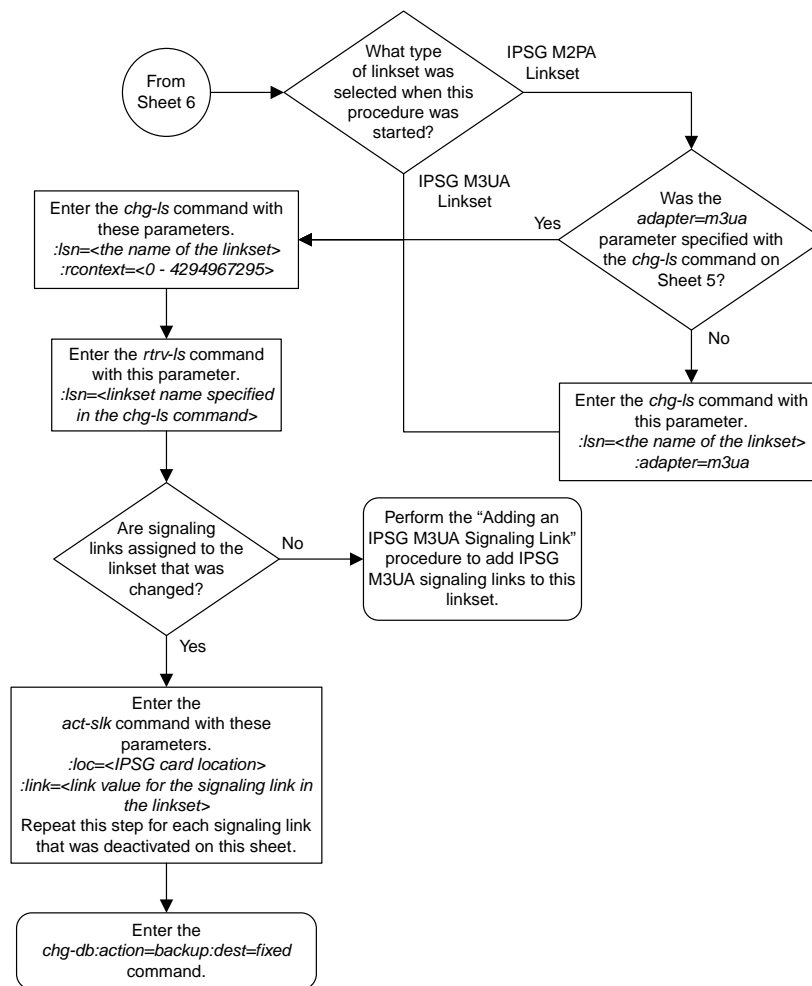




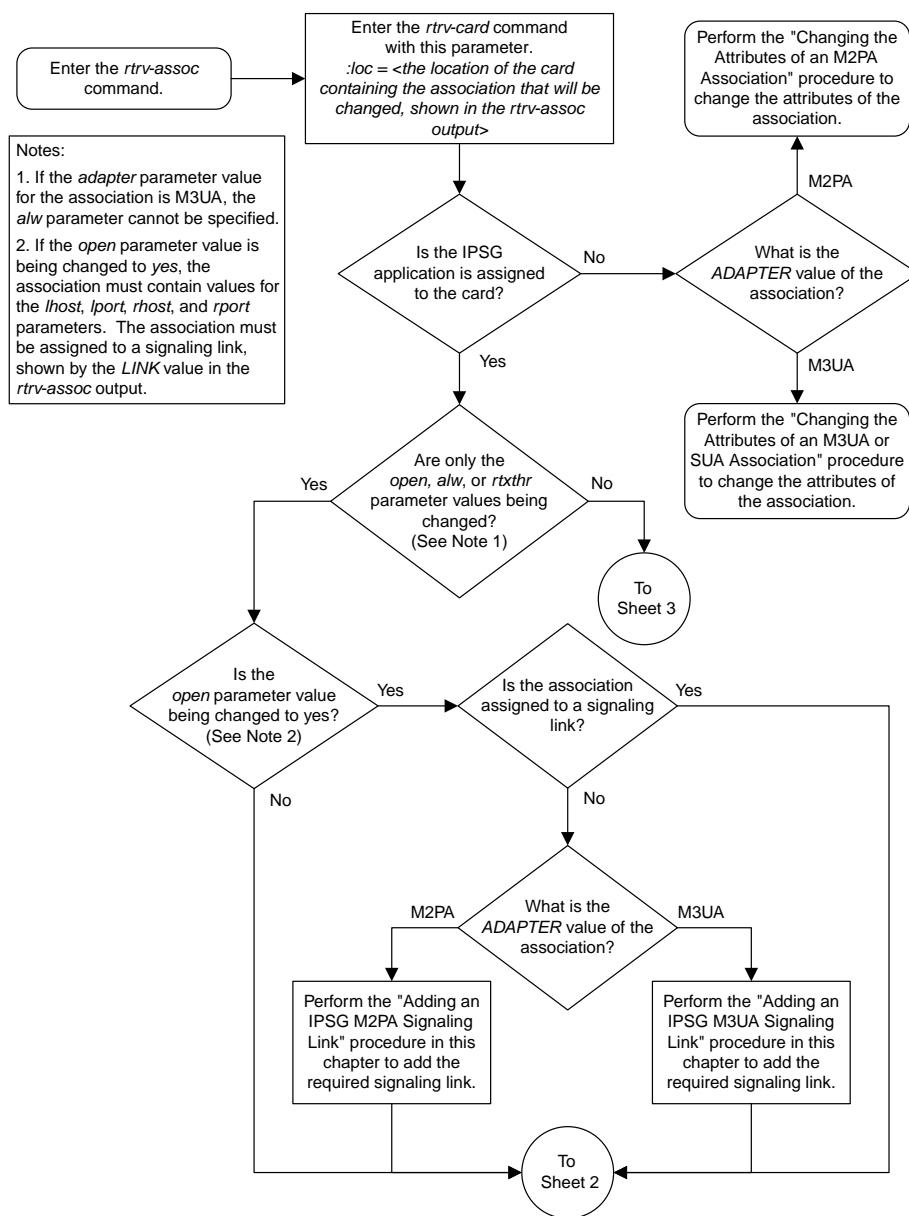


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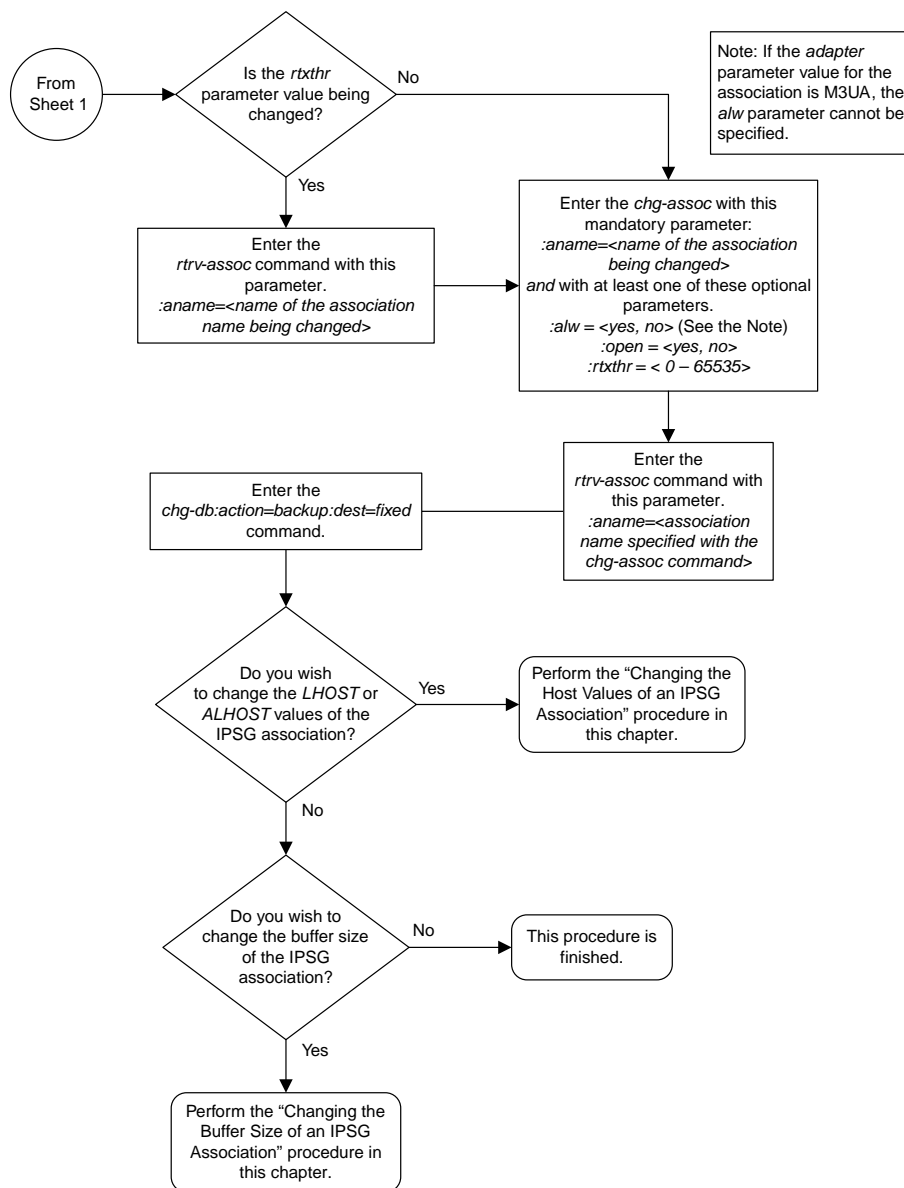




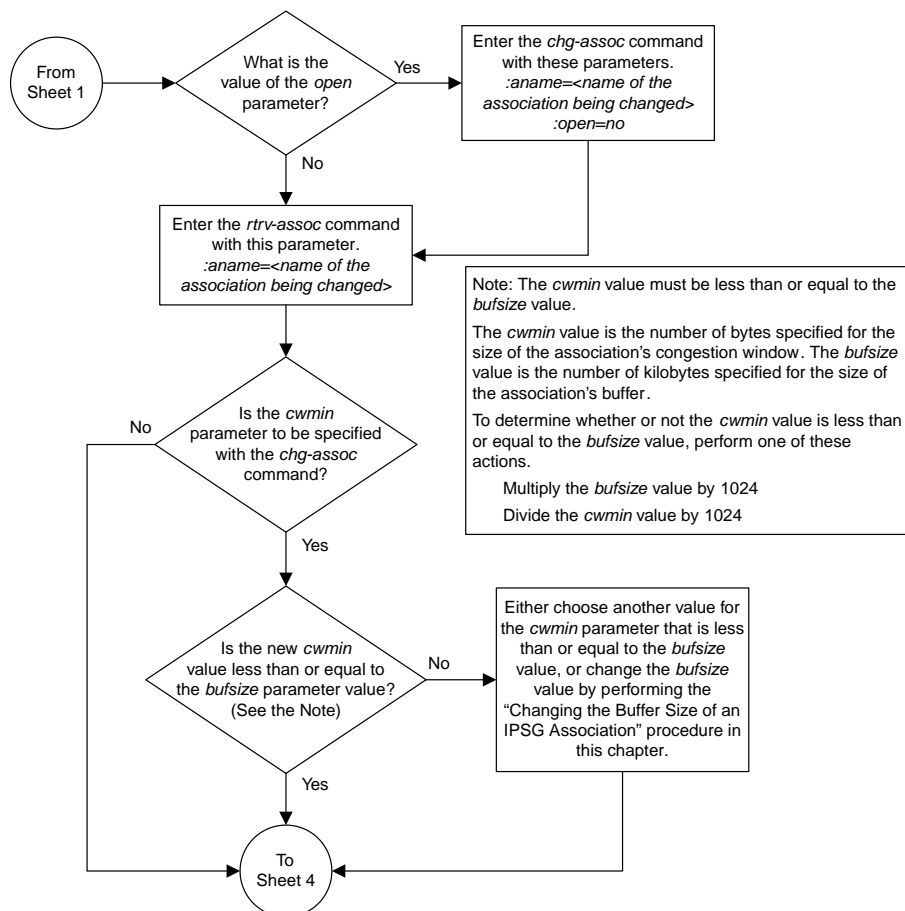
## Changing the Attributes of an IPSG Association

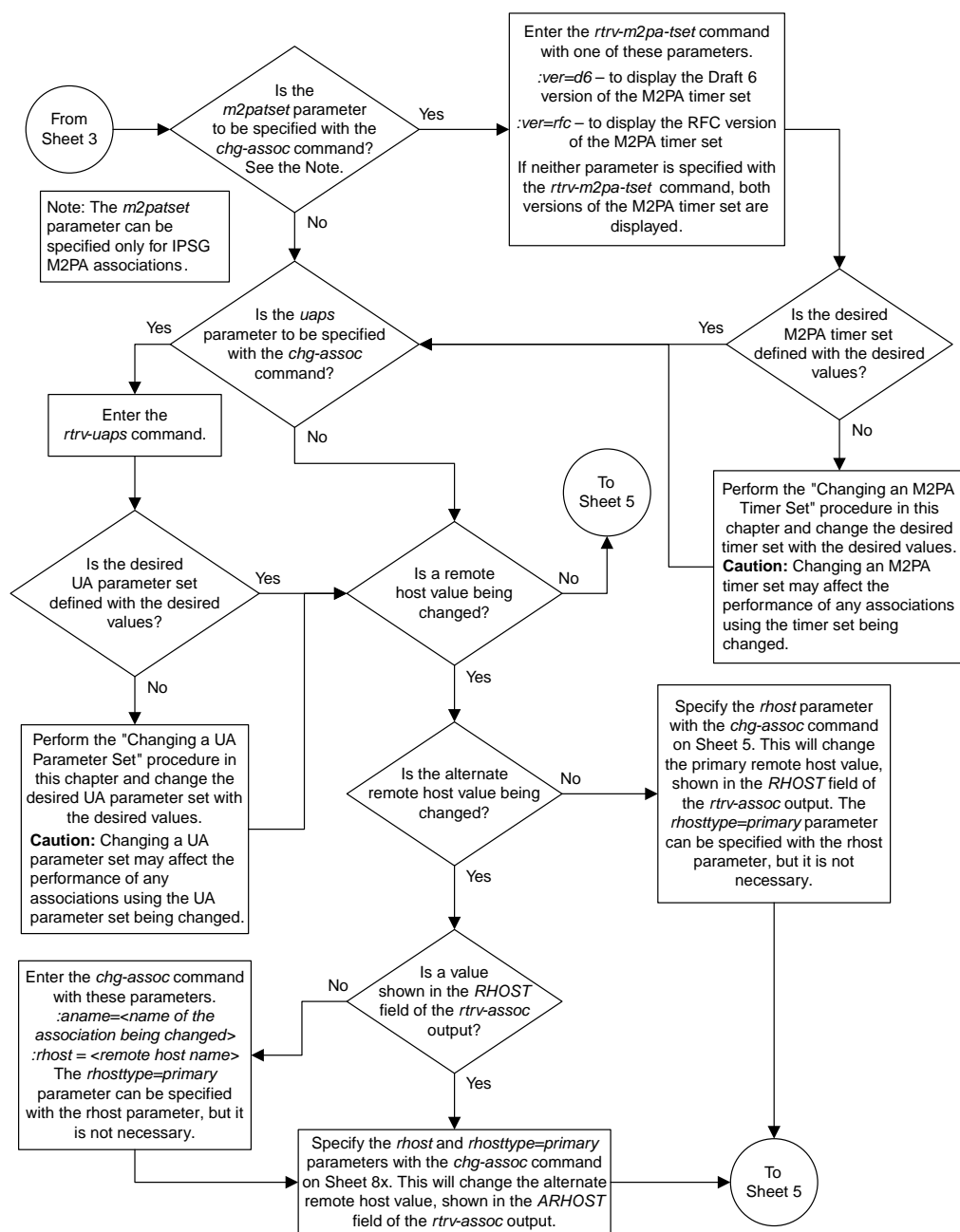


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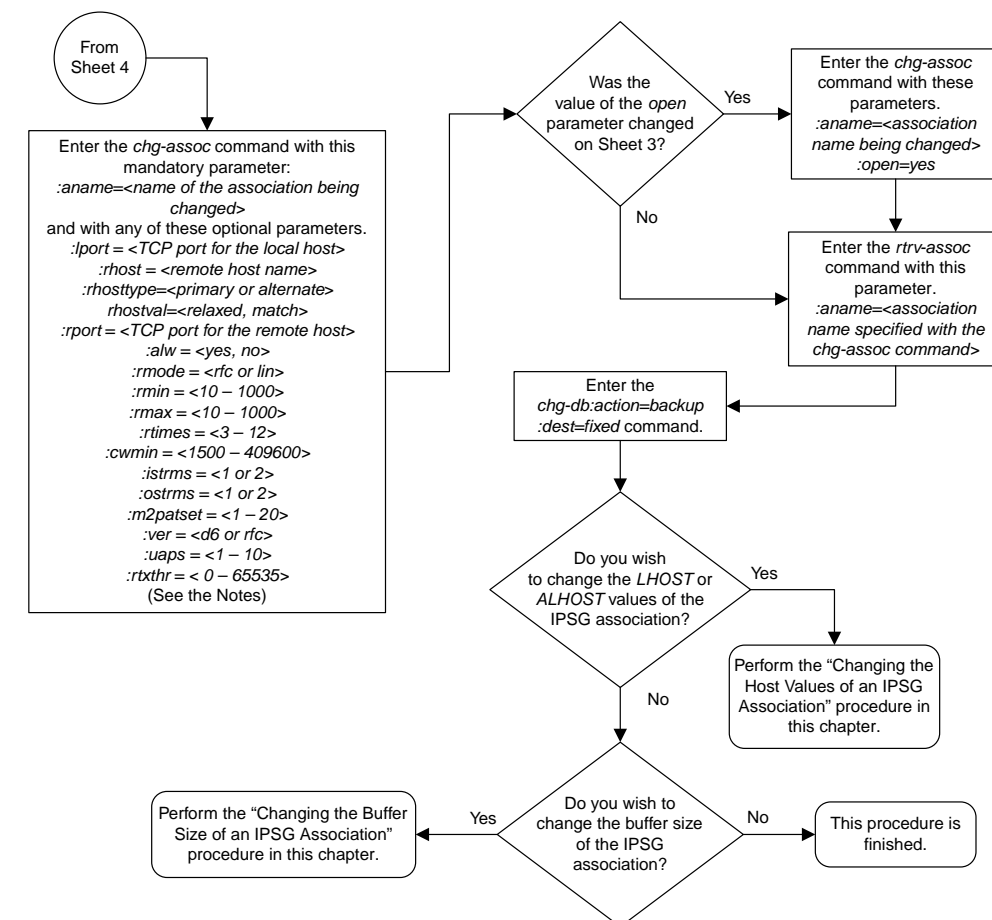
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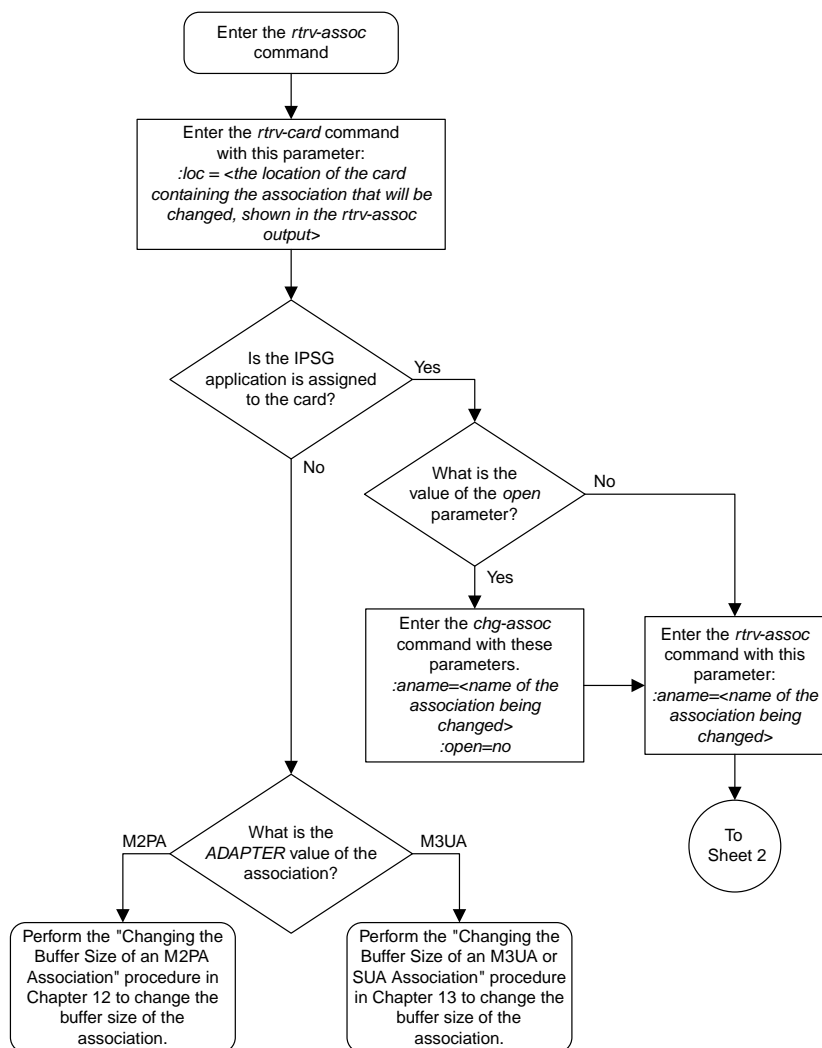


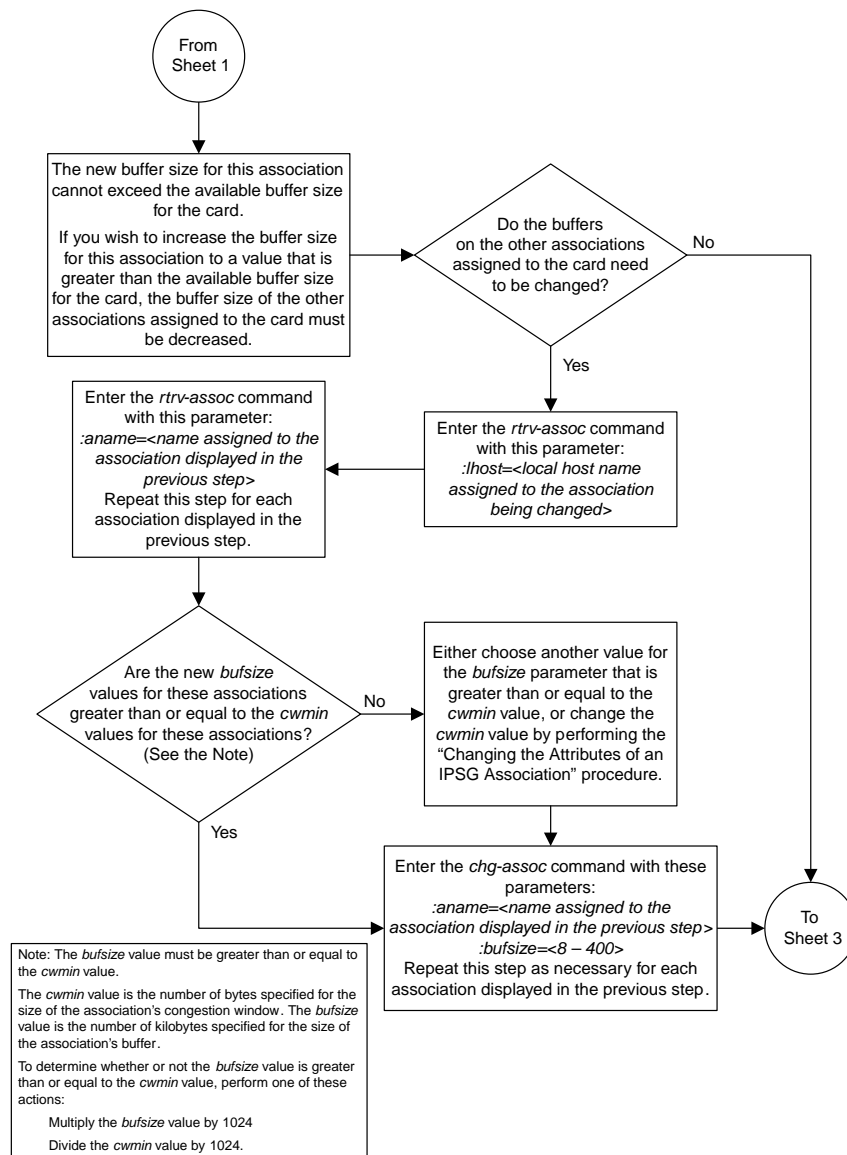


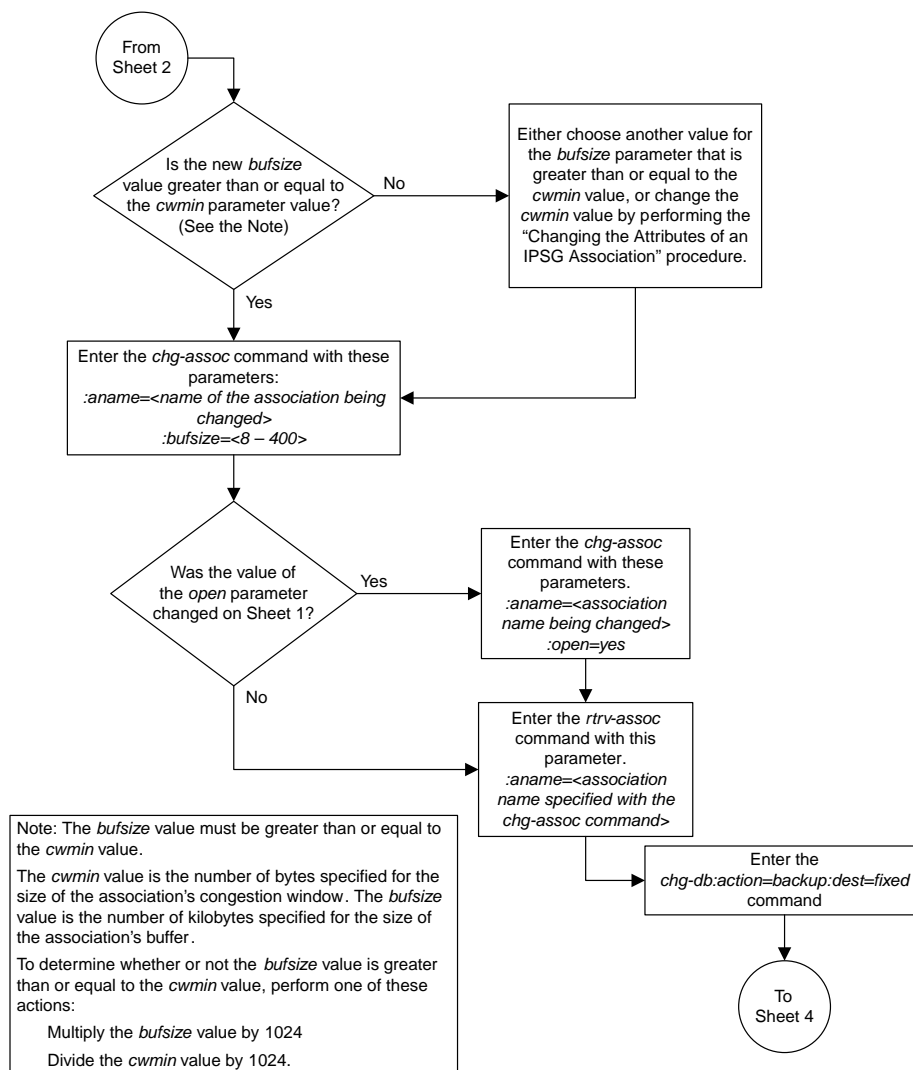
## Notes:

1. If any optional parameters are not specified with the *chg-assoc* command, those values are not changed.
2. The value of the *rhost* parameter is a text string of up to 60 characters, with the first character being a letter. The command input is limited to 150 characters, including the hostname.
3. If the value of the *open* parameter is yes, only the values of the *alw* and *rtxthr* parameters can be changed. To change the values of the other parameters, the value of the *open* parameter value must be *no*.
4. The value of the *rmin* parameter must be less than or equal to the *rmax* parameter value.
5. The M2PA version of the association determines the version of the M2PA timer set that is assigned to the association. For example, if M2PA timer set 3 is assigned to the M2PA association, and the association is an RFC M2PA association, the RFC version of M2PA timer set 3 is used with the association. If M2PA timer set 7 is assigned to the M2PA association, and the association is a Draft 6 M2PA association, the Draft 6 version of M2PA timer set 7 is used with the association.
6. The *m2patset* and *ver* parameters can be specified only for IPSG M2PA associations.
7. If the *adapter* parameter value for the association is M3UA, the *alw* parameter cannot be specified.

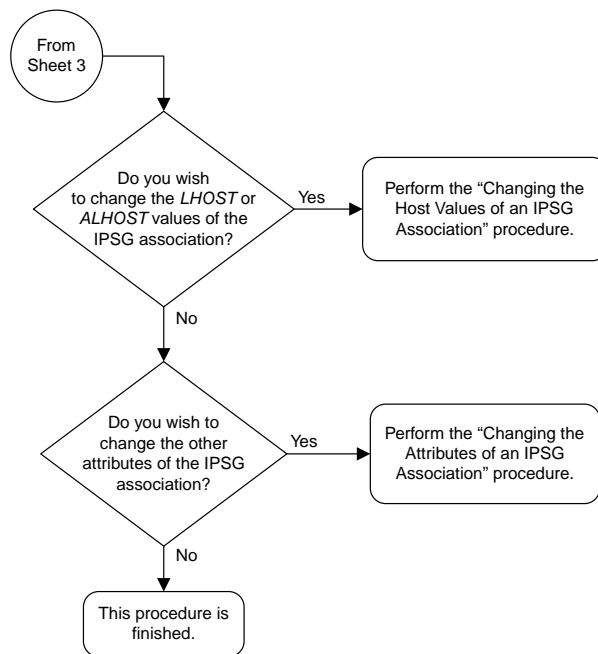
## Changing the Buffer Size of an IPSG Association



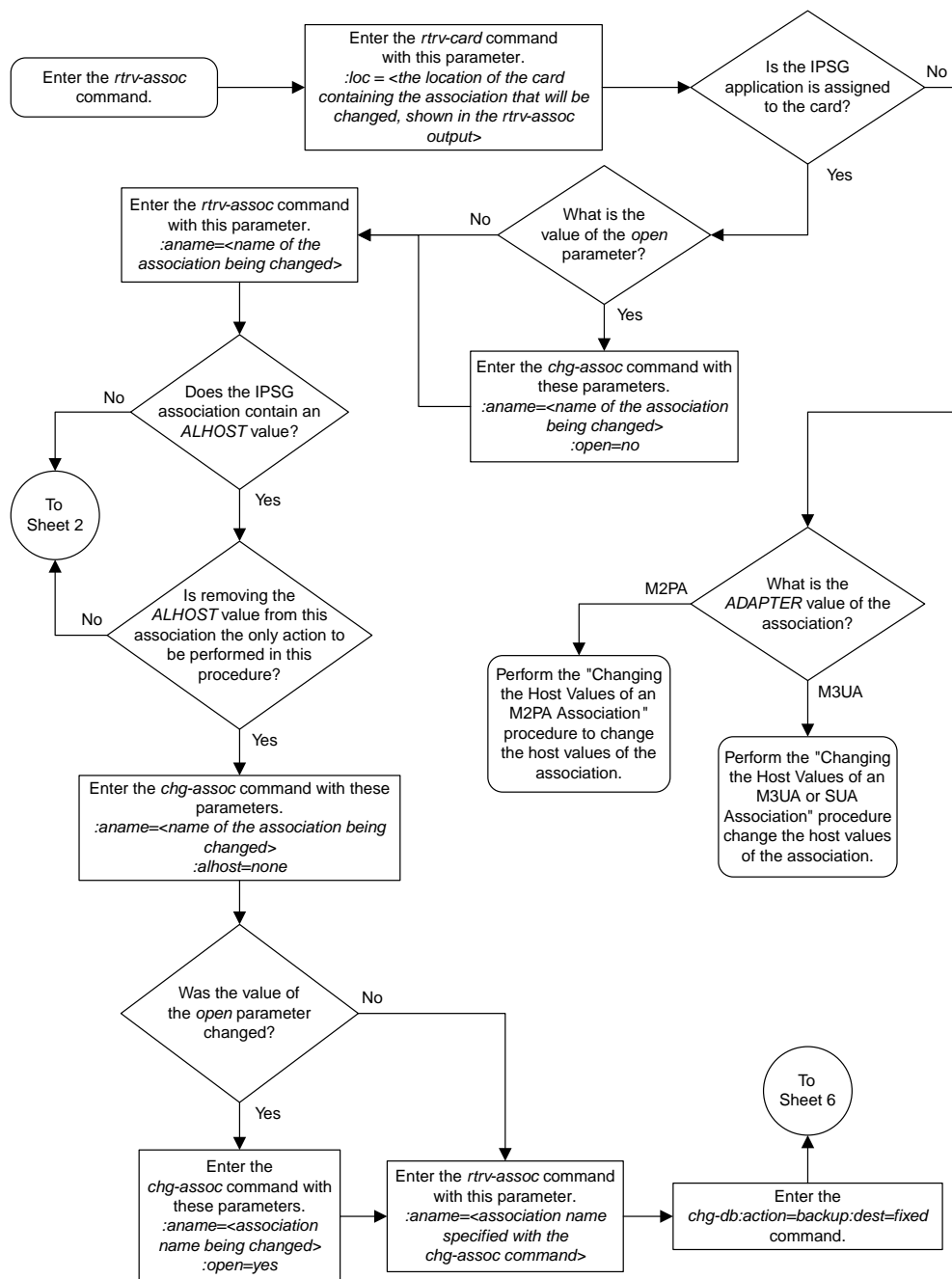




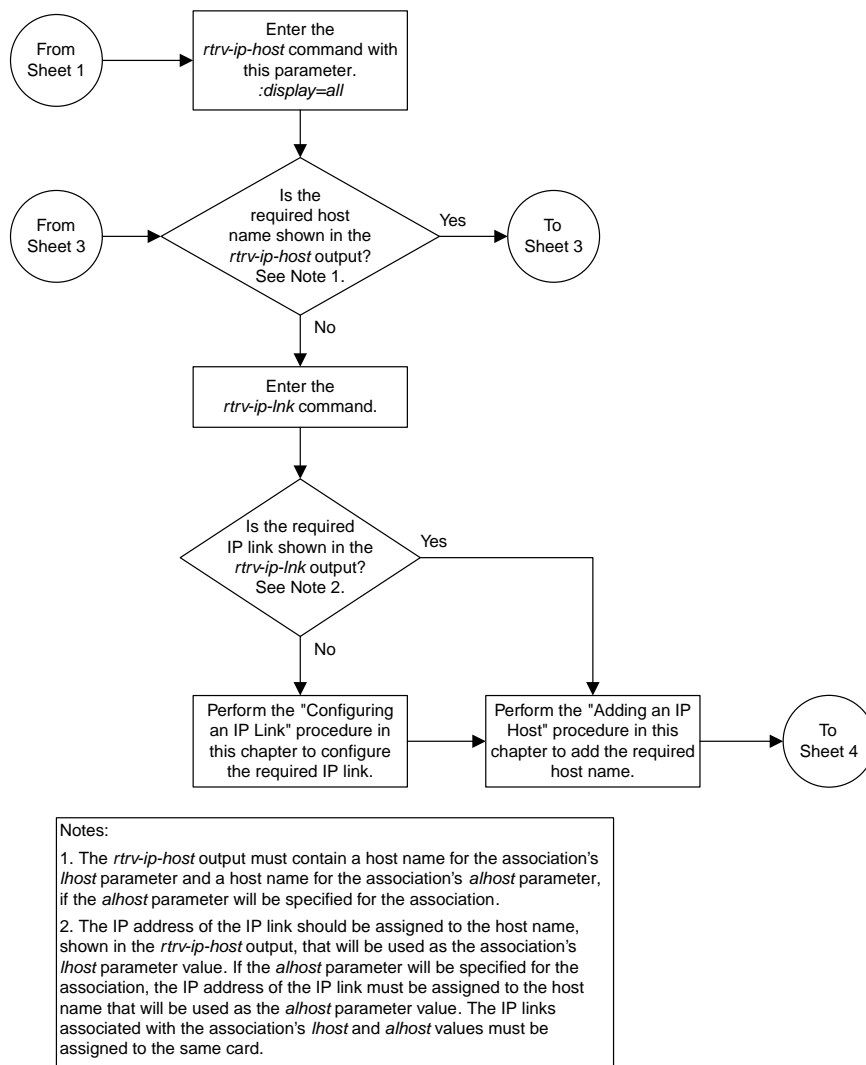
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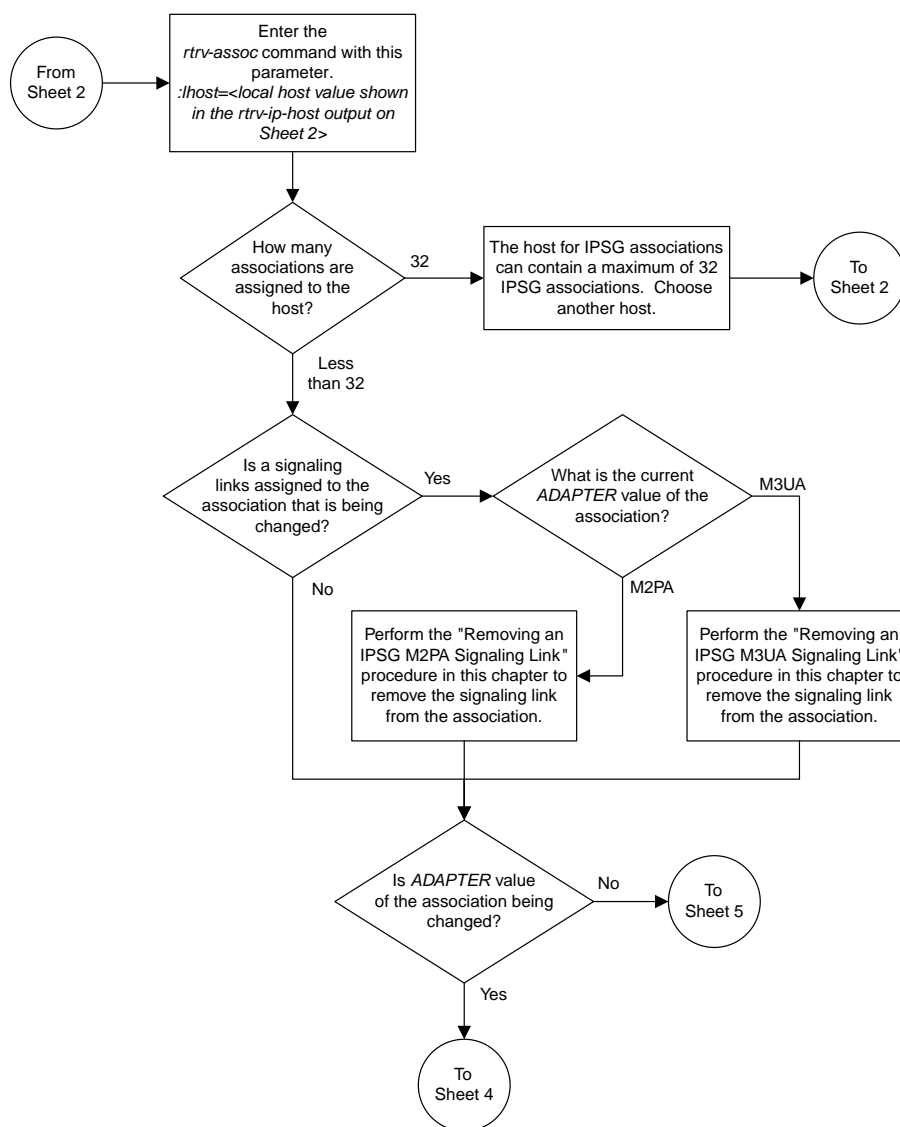


## Changing the Host Values of an IPSG Association



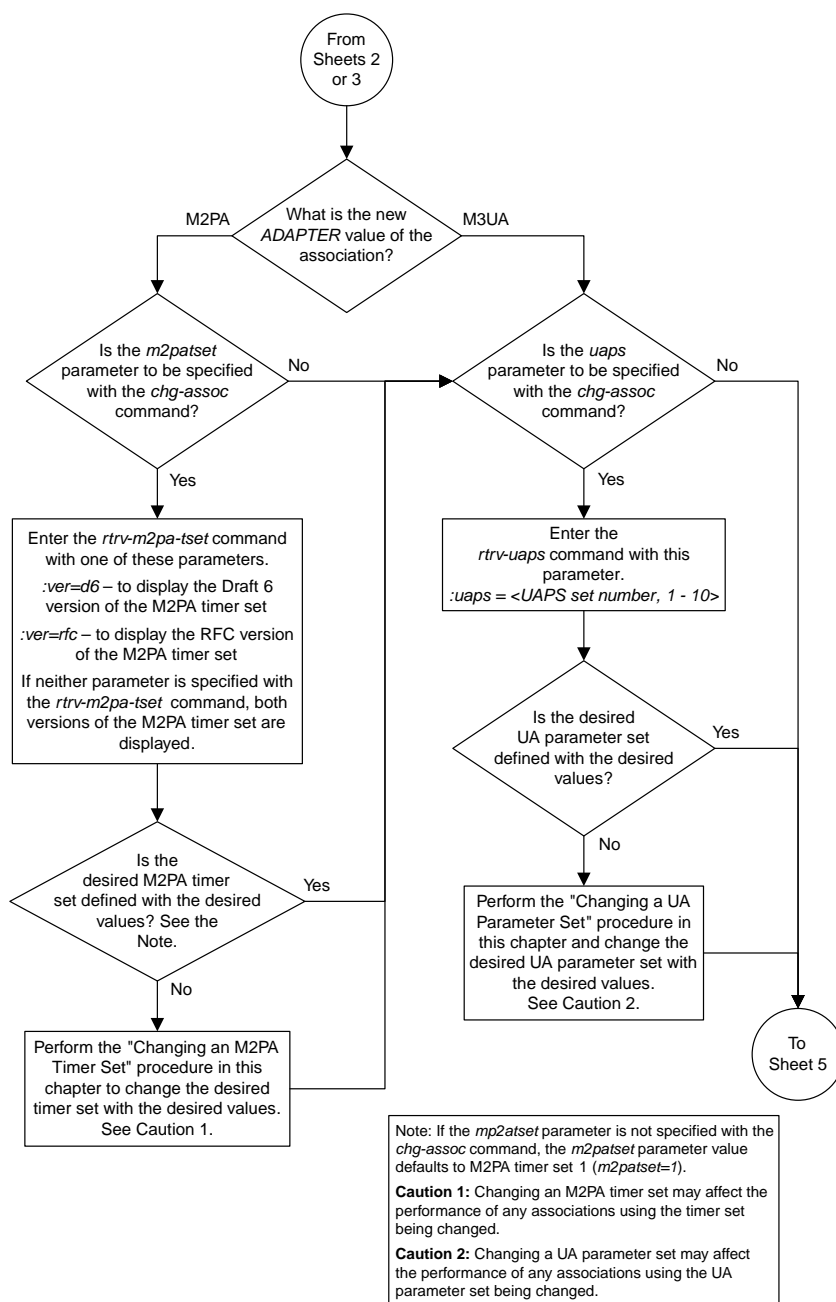
Sheet 1 of 6

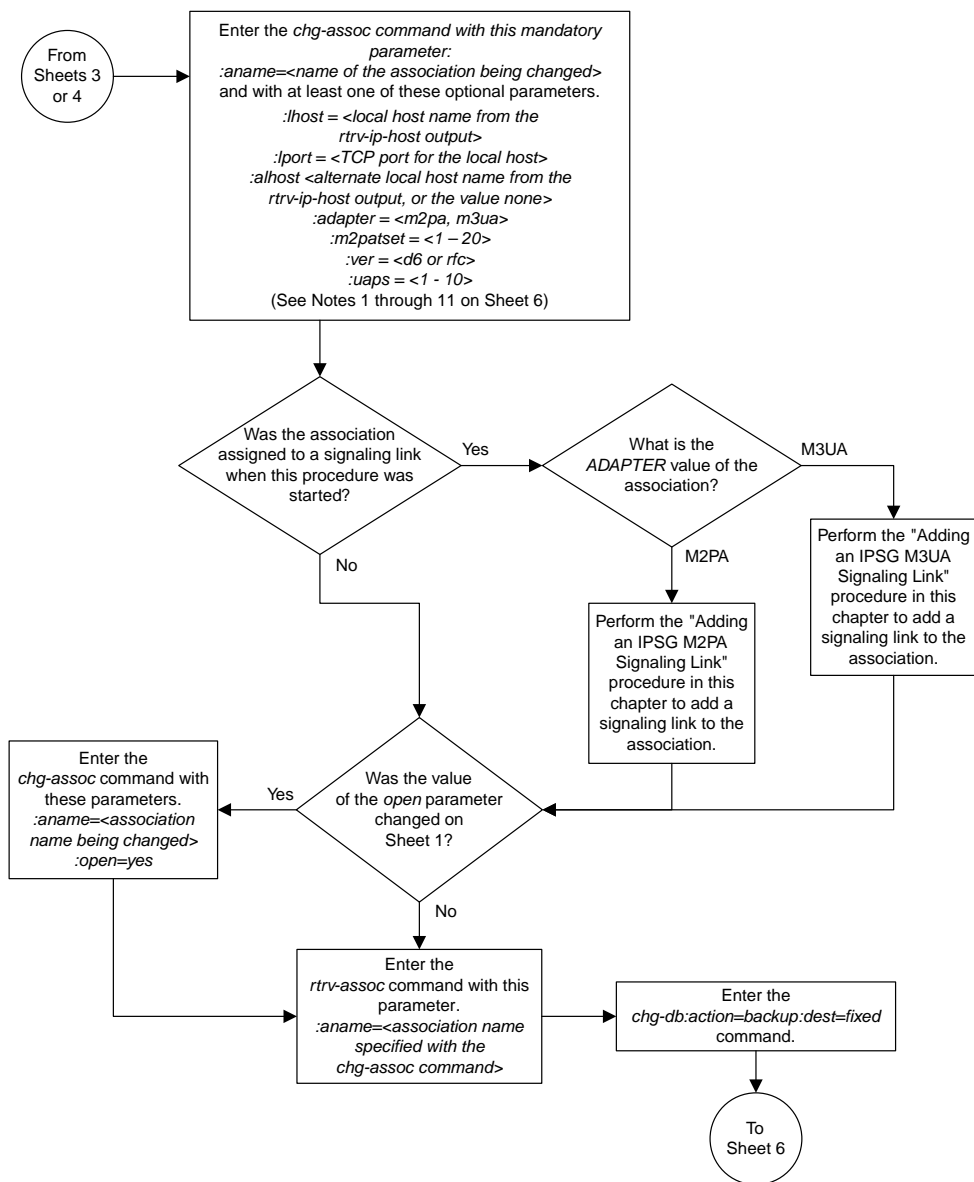




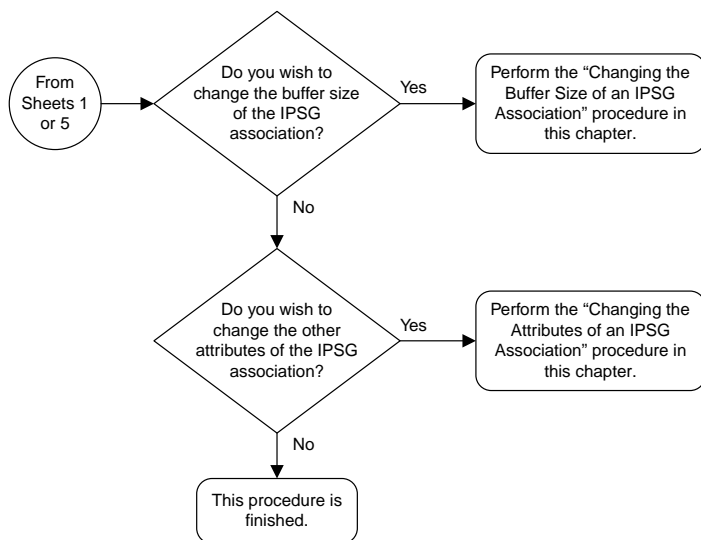
Sheet 3 of 6







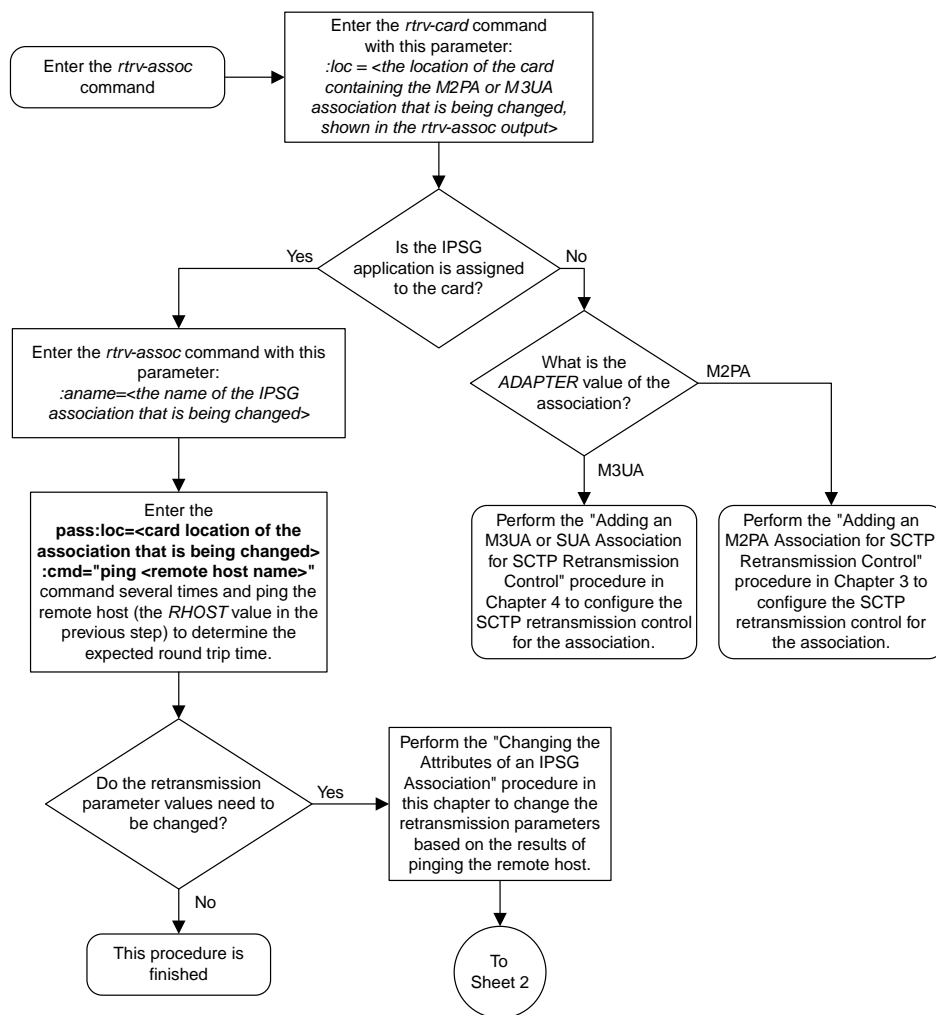
Sheet 5 of 6

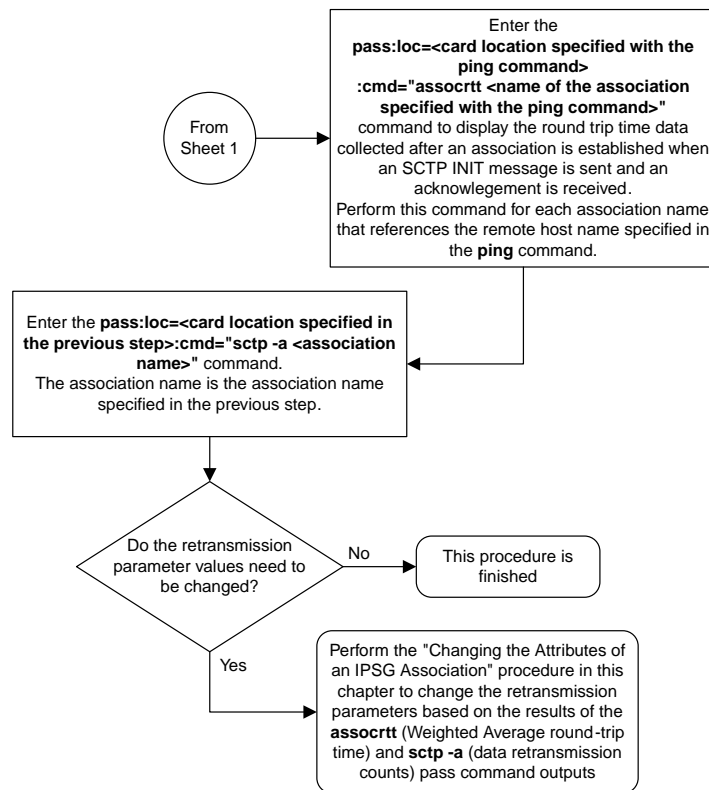


## Notes:

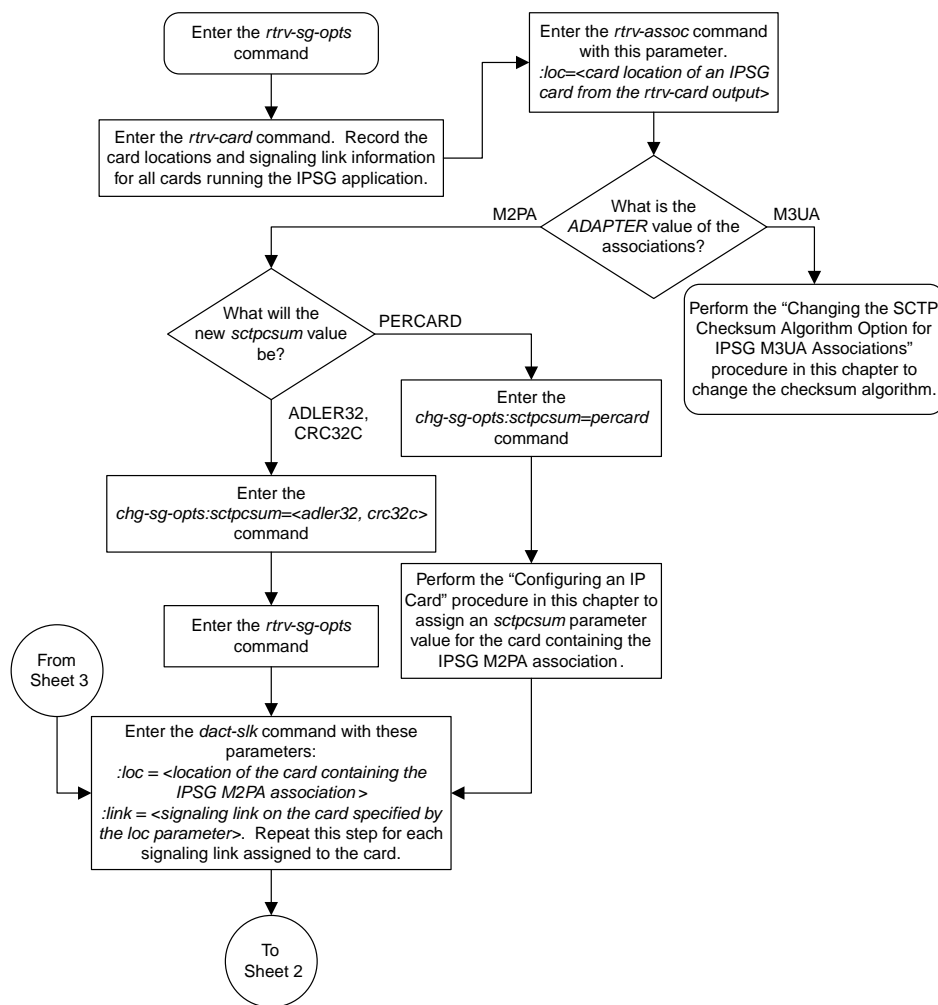
1. If any optional parameters are not specified with the *chg-assoc* command, those values are not changed.
2. The EAGLE 5 ISS can contain a maximum of 4000 connections.
3. The host of an IPSG association can contains a maximum of 32 IPSG associations.
4. The value of the *lhost* and *rhost* parameters is a text string of up to 60 characters, with the first character being a letter. The command input is limited to 150 characters, including the hostnames
5. Specifying the *lhost* parameter only creates a uni-homed endpoint. The network portion of the endpoint's IP address must be the same as the network portion of the IP address assigned to either the A or B network interface of the IP card.
6. Specifying the *lhost* and *alhost* parameters creates a multi-homed endpoint. The network portion of the IP address associated with the *lhost* parameter must be the same as the network portion of the IP address assigned to one of the network interfaces (A or B) of the IP card, and the network portion of the IP address associated with the *alhost* parameter must be the same as the network portion of the IP address assigned to the other network interface on the IP card .
7. The *alhost=none* parameter removes the alternate local host from the specified association, which also removes the multi-homed endpoint capability.
8. The *m2patset* and *ver* parameters can be specified only for IPSG M2PA associations.
9. If the *mp2atset* parameter is not specified with the *chg-assoc* command, and the *adapter* parameter value is being changed to *m2pa*, the *m2patset* parameter value defaults to M2PA timer set 1 (*m2patset=1*).
10. The M2PA version of the association determines the version of the M2PA timer set that is assigned to the association. For example, if M2PA timer set 3 is assigned to the M2PA association, and the association is an RFC M2PA association, the RFC version of M2PA timer set 3 is used with the association. If M2PA timer set 7 is assigned to the M2PA association, and the association is a Draft 6 M2PA association, the Draft 6 version of M2PA timer set 7 is used with the association.
11. If the *adapter* parameter value of the association is changed to *m2pa* in this procedure and the *ver* parameter is not specified, the version of the association will be RFC. To make this association a M2PA Draft 6 association, the *ver=d6* parameter must be specified for this association.

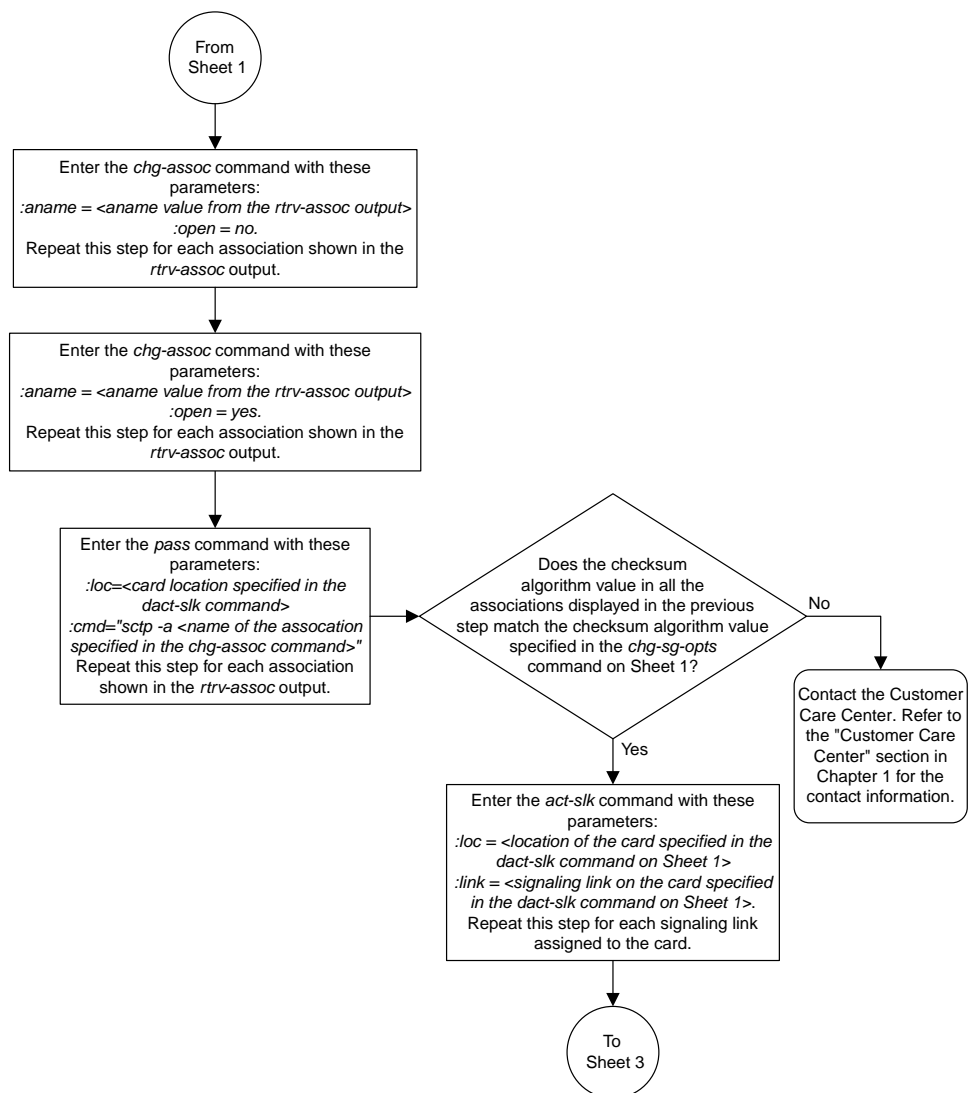
## Configuring an IPSG Association for SCTP Retransmission Control



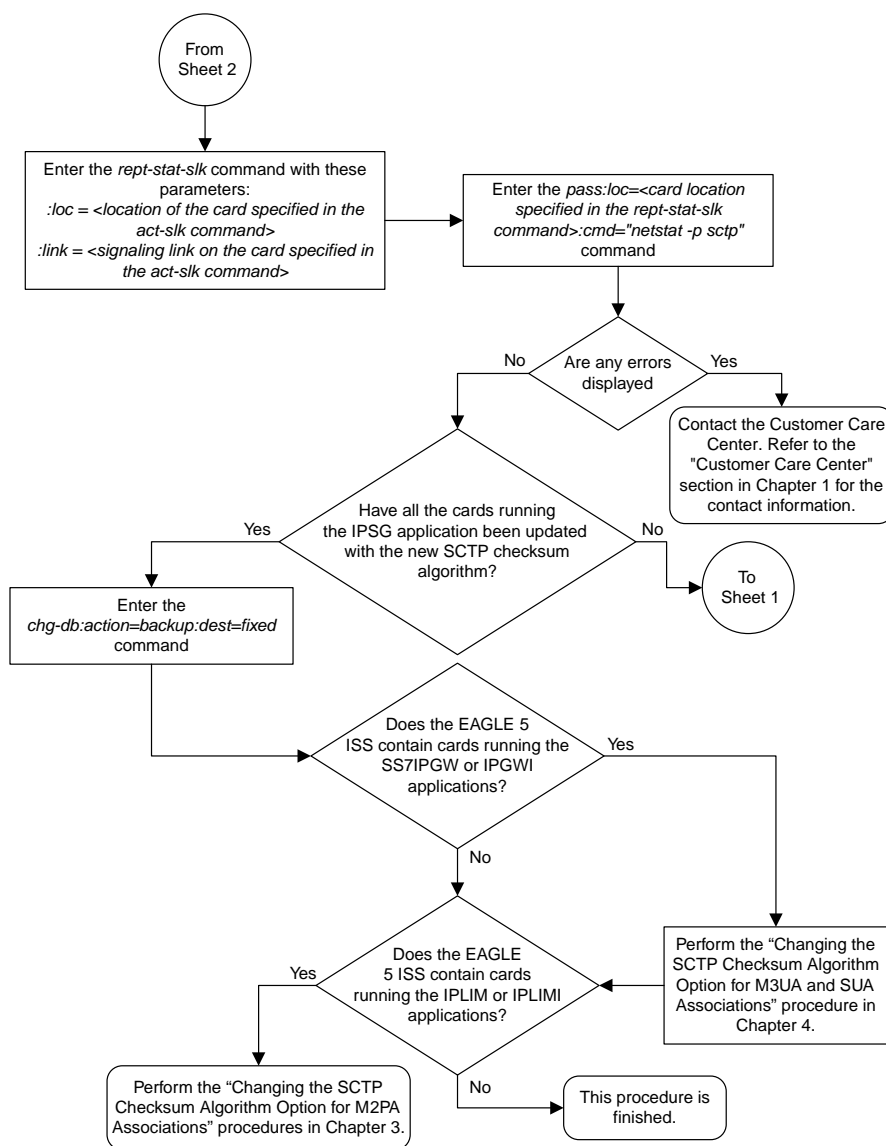


## Changing the SCTP Checksum Algorithm Option for IPSG M2PA Associations





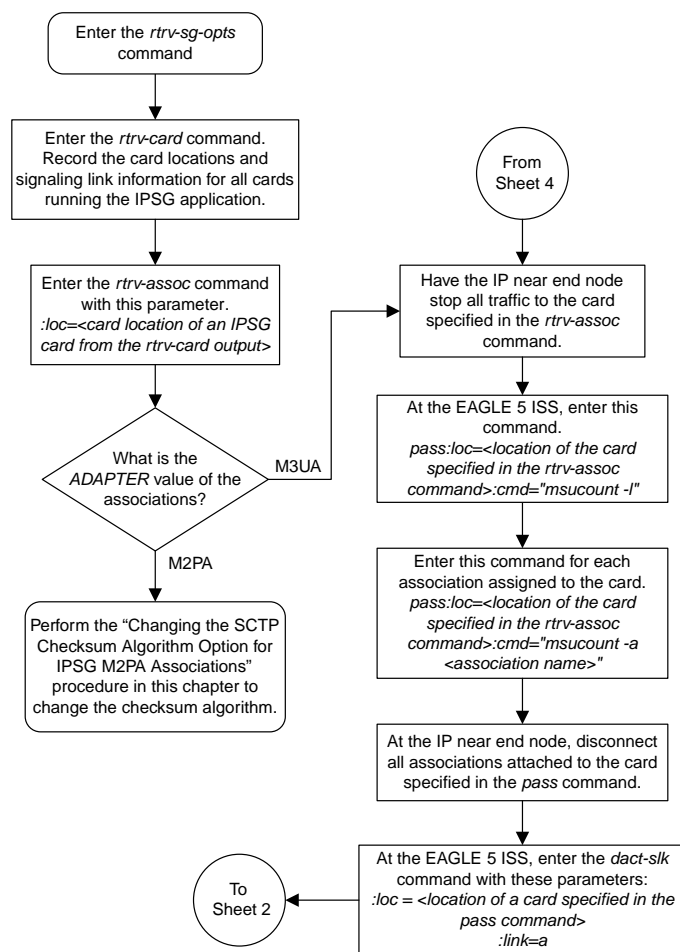
Sheet 2 of 3

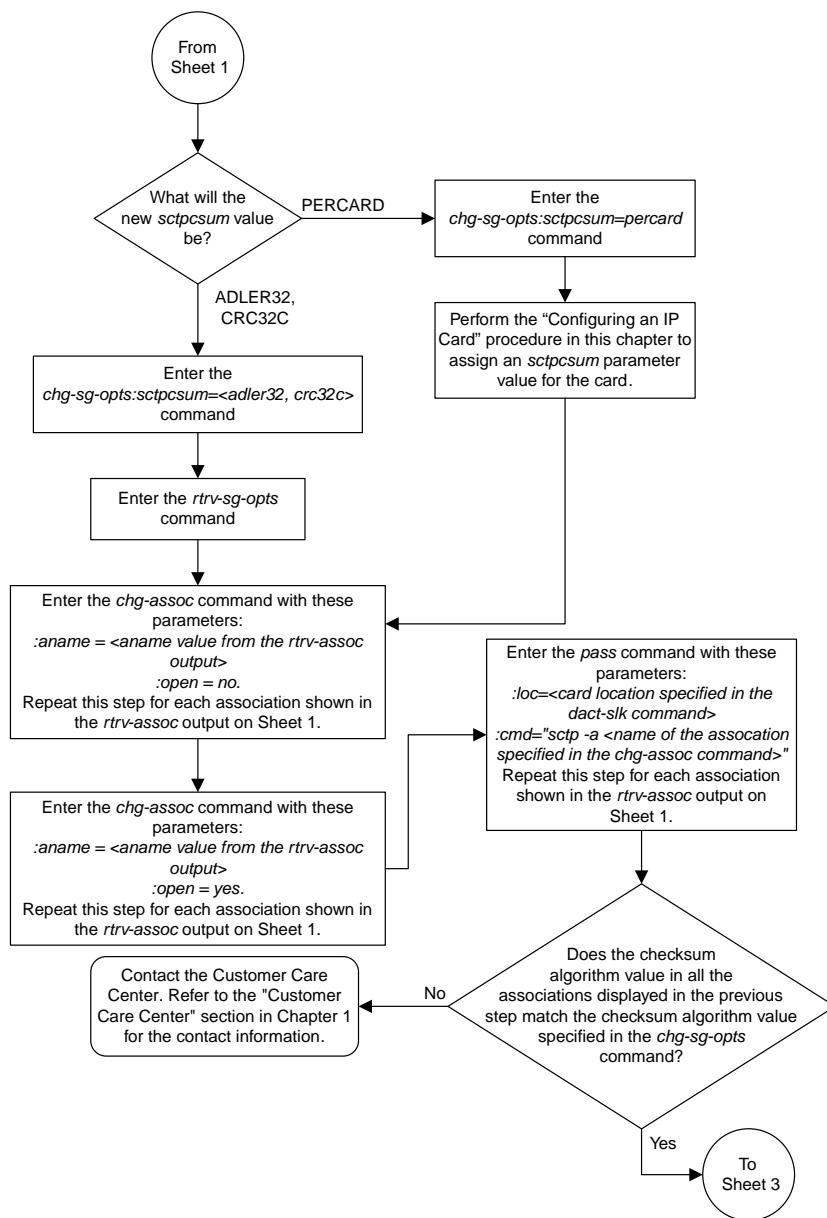


Sheet 3 of 3

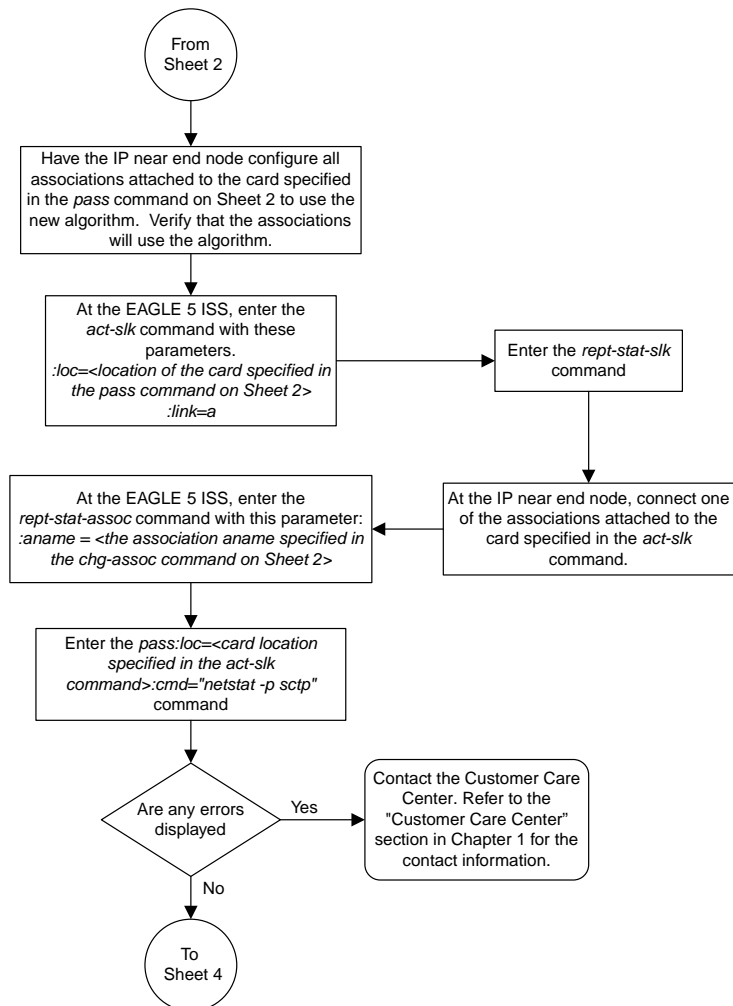


## Changing the SCTP Checksum Algorithm Option for IPSG M3UA Associations

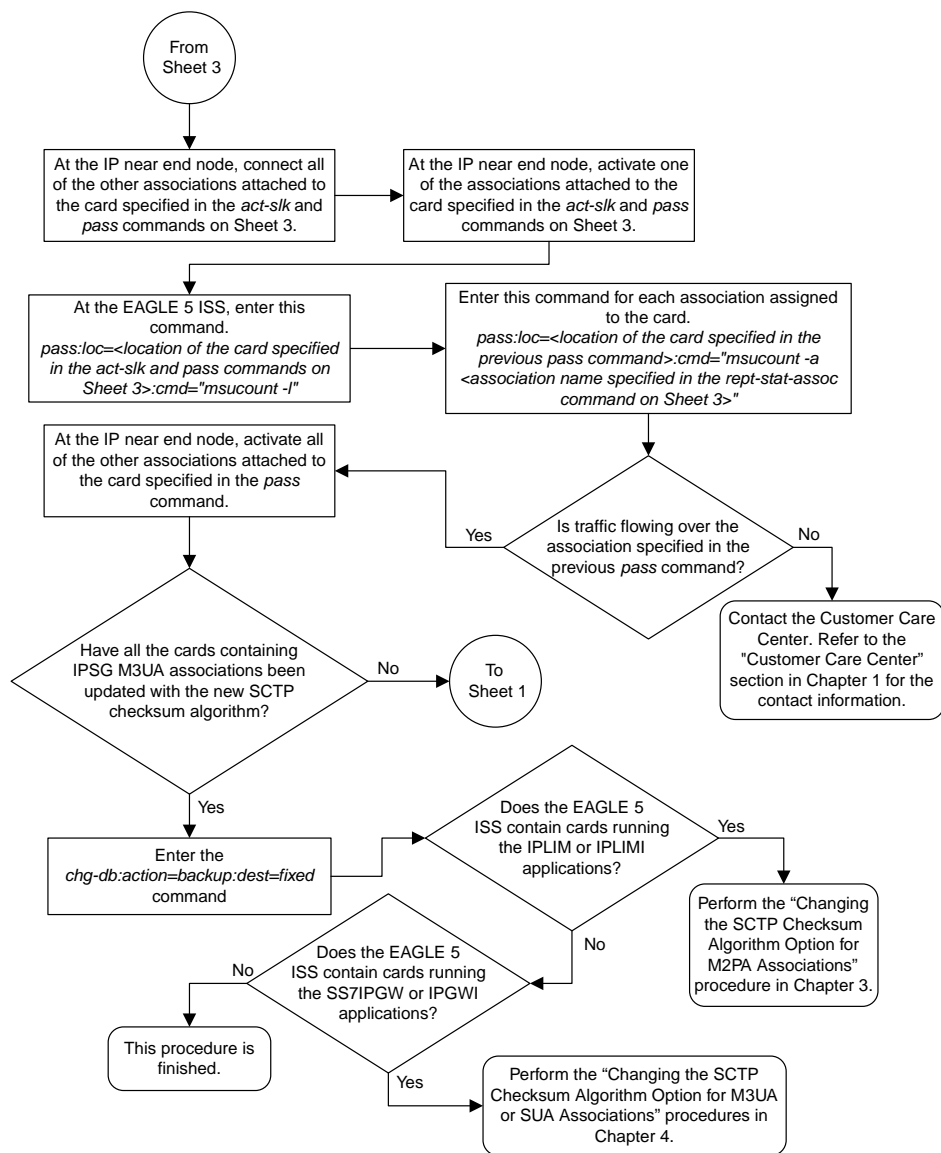




Sheet 2 of 4

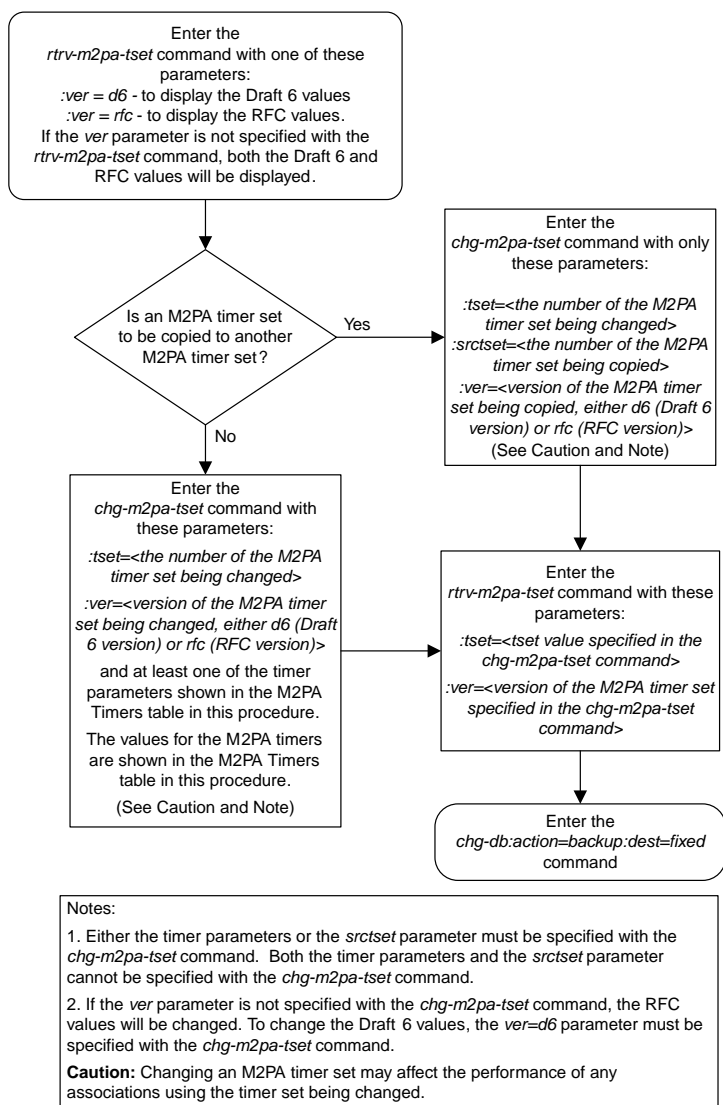


Sheet 3 of 4

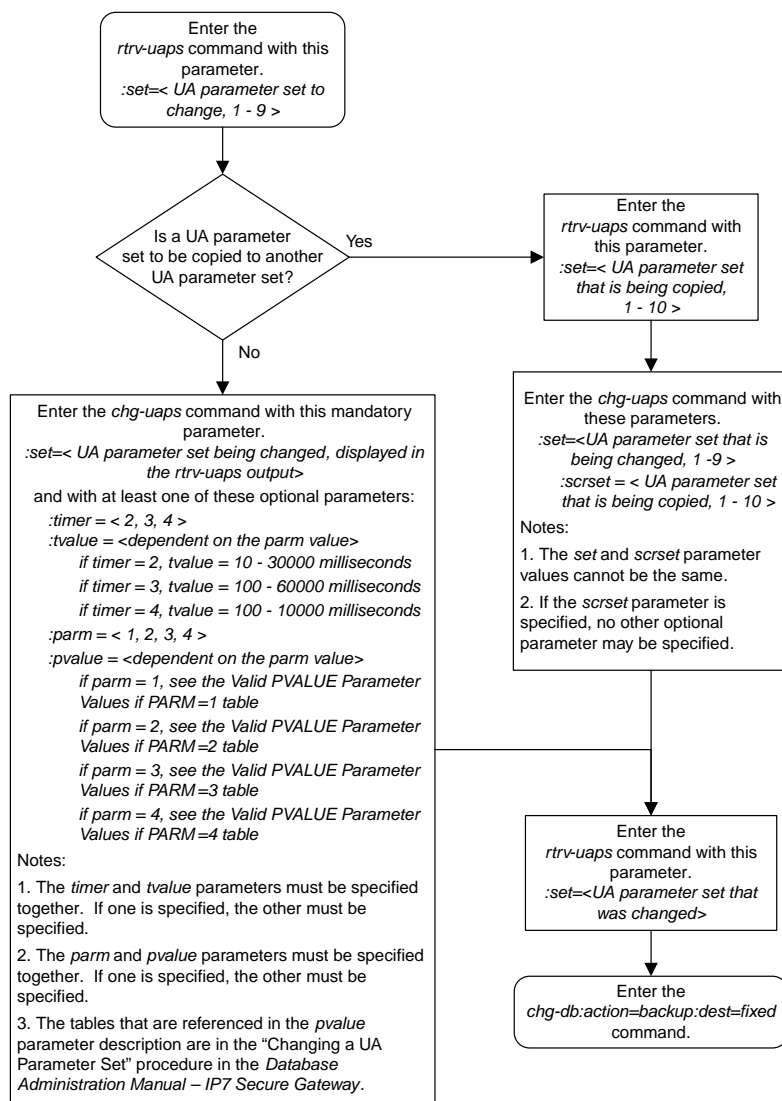


Sheet 4 of 4

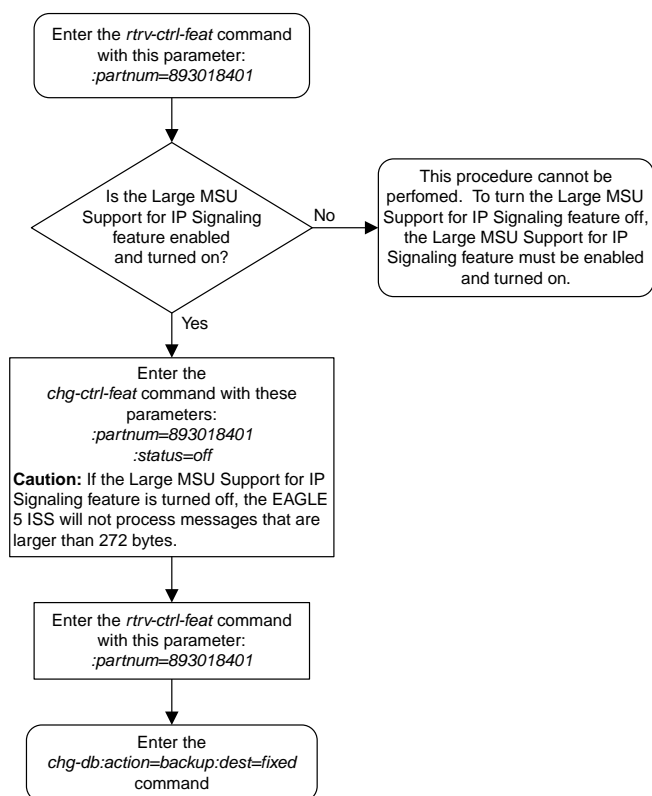
## Changing an M2PA Timer Set



## Changing a UA Parameter Set



## Turning the Large MSU Support for IP Signaling Feature Off



# Chapter 15

## End Office Support Flowcharts

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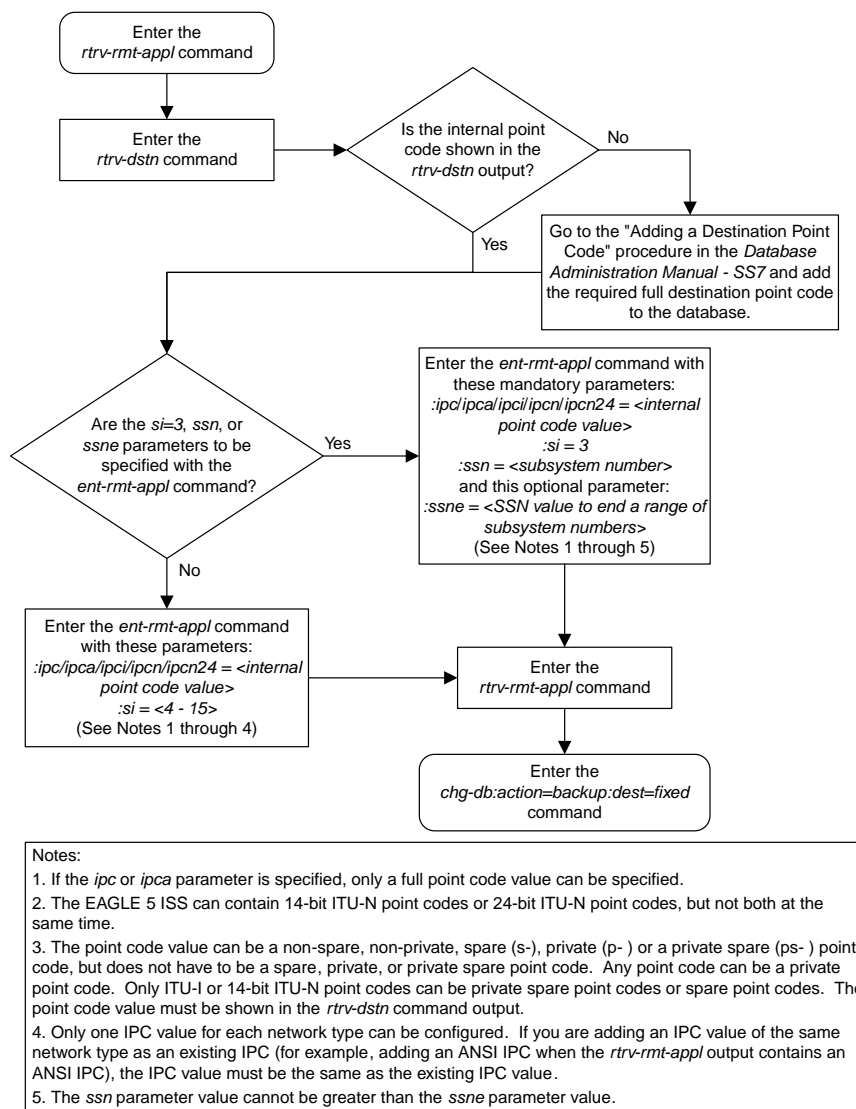
### Topics:

- [Adding an End Node Internal Point Code.....945](#)
- [Removing an End Node Internal Point Code...946](#)

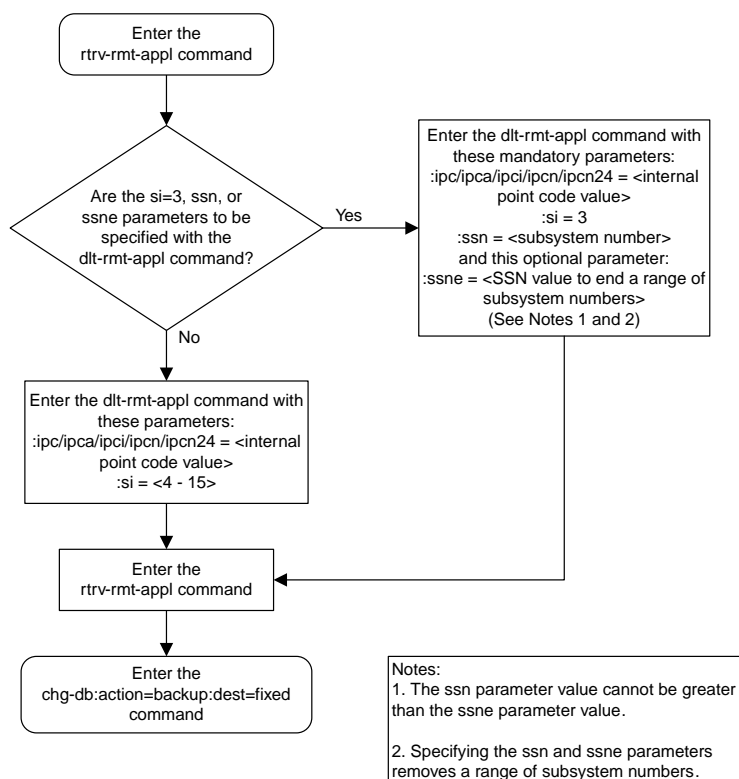
This chapter contains the flowcharts for the End Office Support configuration procedures located in the *Database Administration Manual - IP7 Secure Gateway*.



## Adding an End Node Internal Point Code



## Removing an End Node Internal Point Code



# Chapter 16

## Configuring Destination Tables Flowcharts

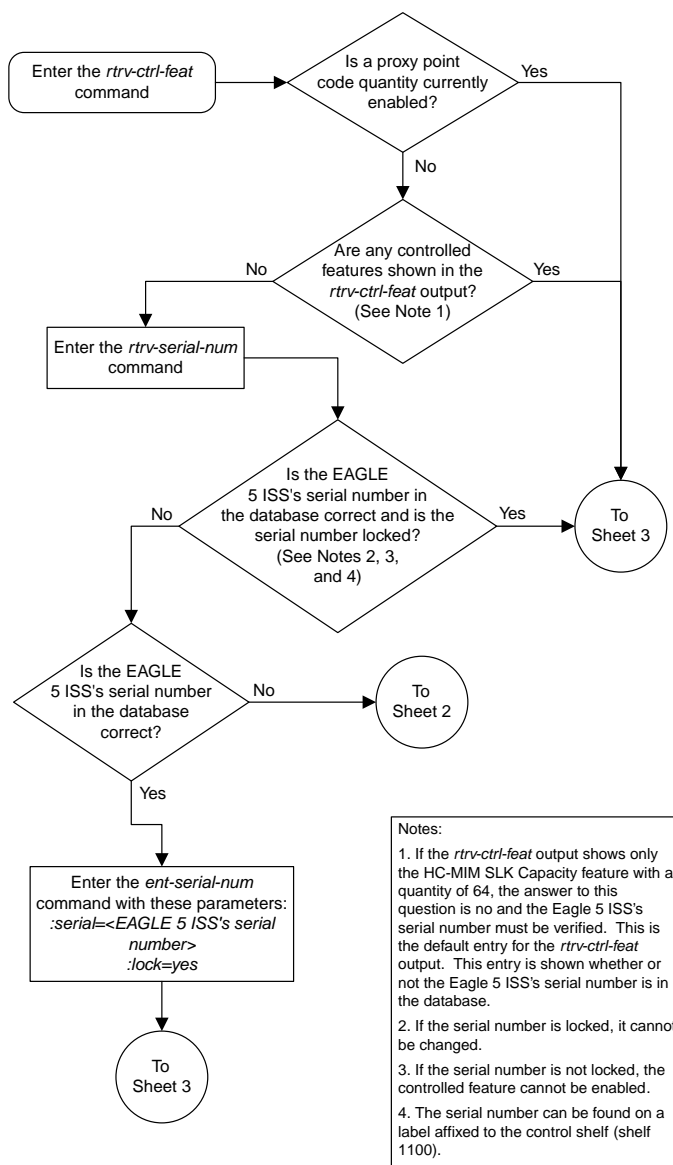
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### Topics:

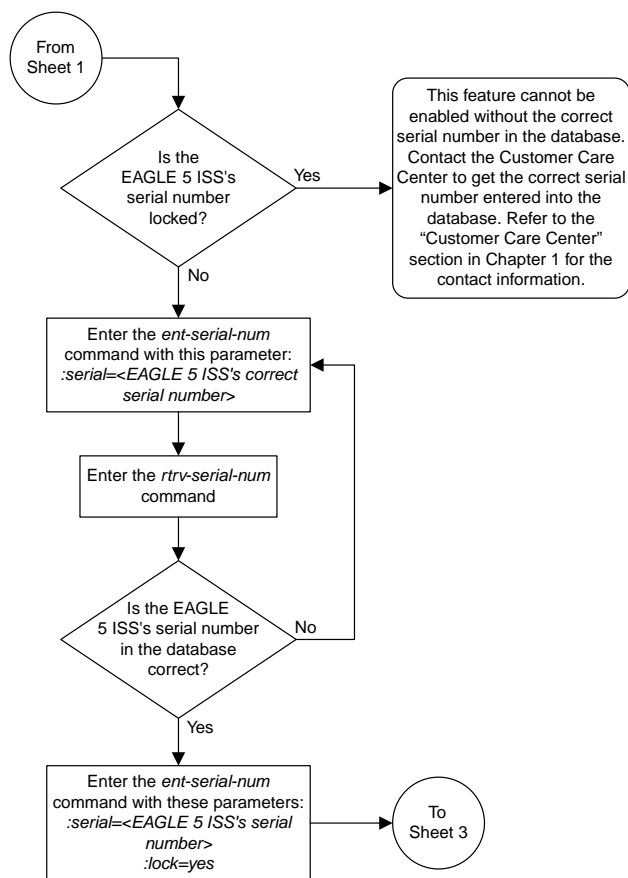
- [Changing the Proxy Point Code Quantity.....948](#)
- [Changing the DPC Quantity.....951](#)
- [Activating the ITU National and International Spare Point Code Support Feature.....959](#)
- [Adding a Secondary Point Code.....962](#)
- [Removing a Secondary Point Code.....964](#)
- [Adding a Point Code to the Self-Identification of the EAGLE 5 ISS.....965](#)
- [Changing the Self-Identification of the EAGLE 5 ISS.....968](#)
- [Adding a Cluster Point Code.....979](#)
- [Changing the Attributes of a Cluster Point Code.....984](#)
- [Adding a Network Routing Point Code.....988](#)
- [Adding a Destination Point Code.....992](#)
- [Removing a Destination Point Code.....997](#)
- [Changing a Destination Point Code.....1001](#)
- [Changing the Format of an ITU National Point Code.....1005](#)
- [Changing the Group Code Assigned to a 14-Bit ITU National Point Code.....1006](#)

This chapter contains the flowcharts for the procedures for configuring destination point codes (DPCs). These procedure are located in the *Database Administration Manual - SS7*.

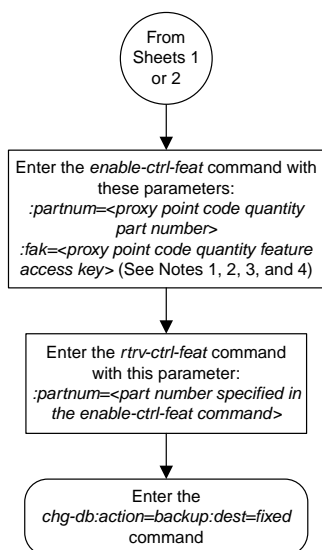
## Changing the Proxy Point Code Quantity



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Sheet 2 of 3



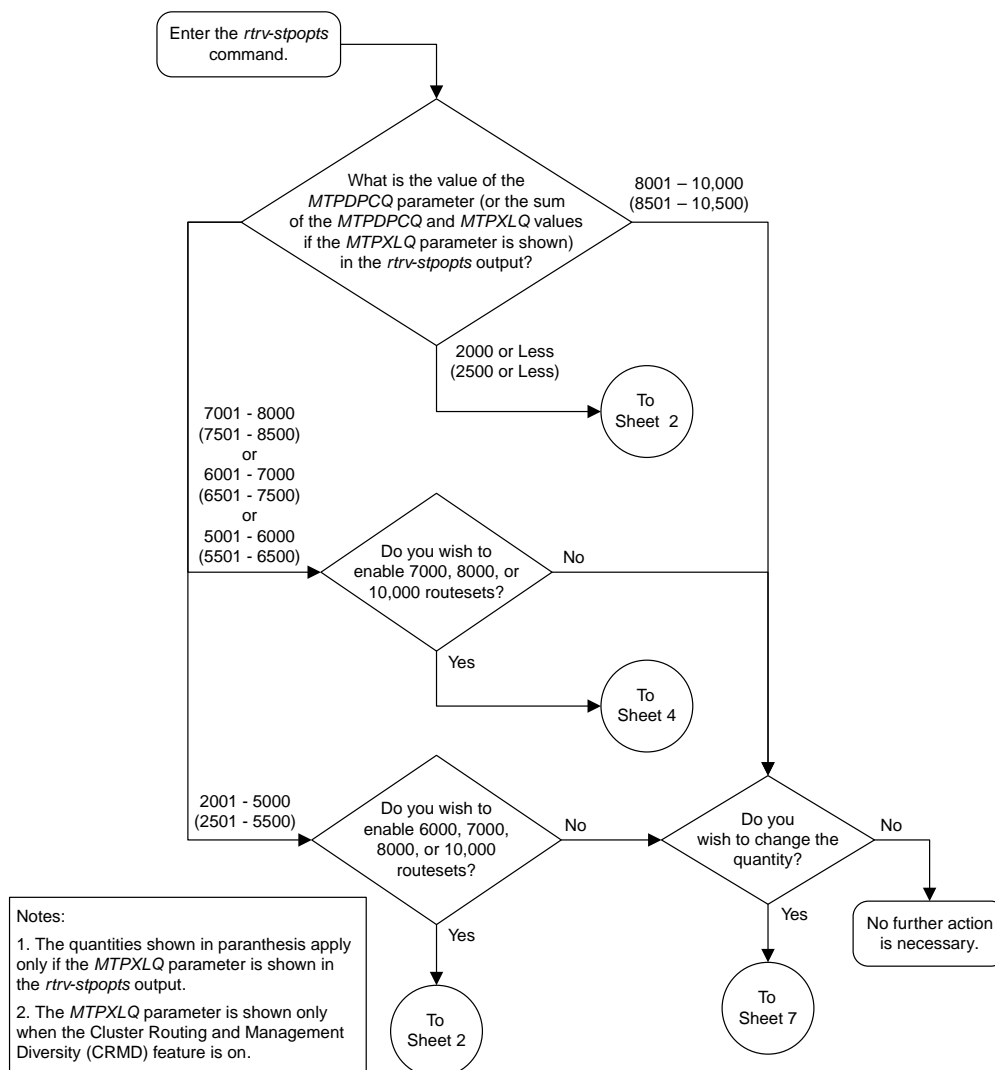
Notes:

1. The following are the part numbers for the proxy point code quantity being enabled.

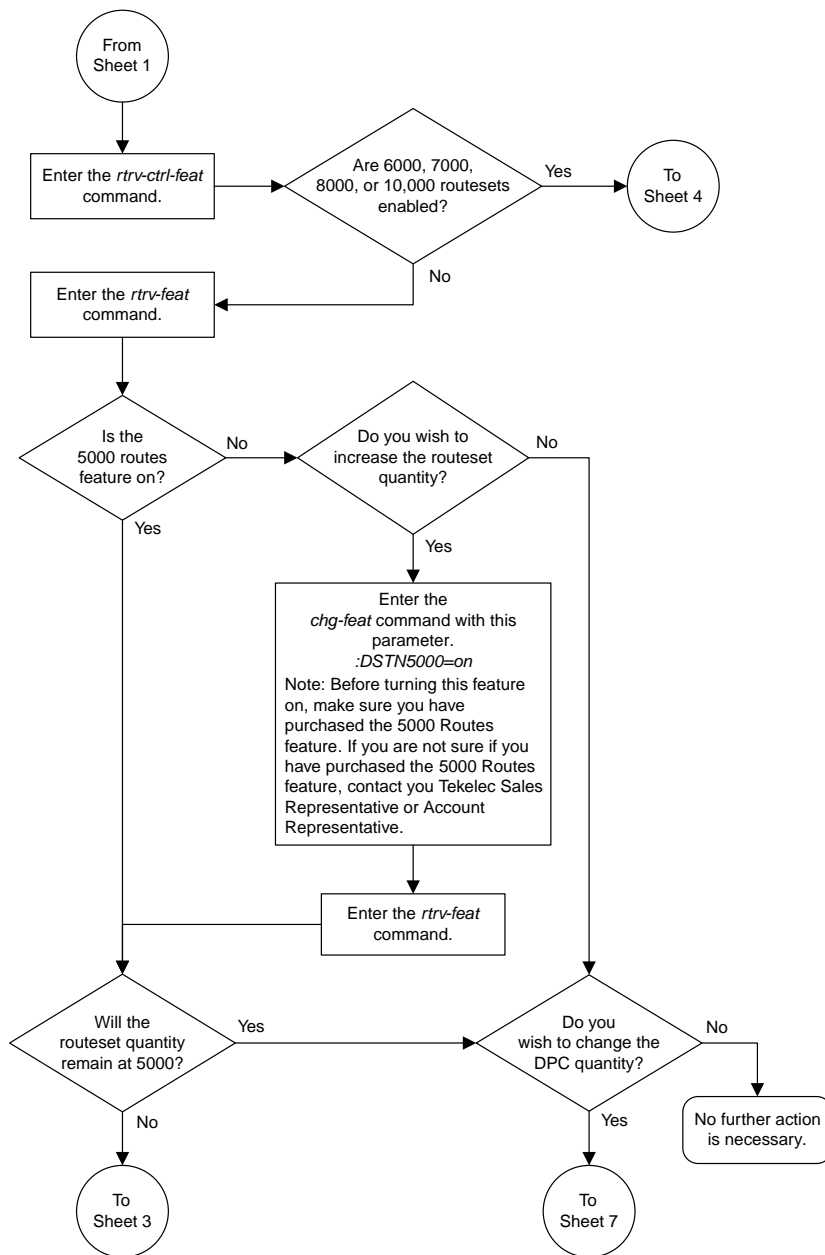
Part Number	Proxy Point Code Quantity
893018701	10
893018702	20
893018703	30
893018704	40
893018705	50
893018706	60
893018707	70
893018708	80
893018709	90
893018710	100

2. A proxy point code quantity cannot be decreased.
3. A proxy point code quantity cannot be enabled with a temporary feature access key.
4. If you do not have the feature access key for the proxy point code quantity you wish to enable, contact your Tekelec Sales Representative or Account Representative.

## Changing the DPC Quantity

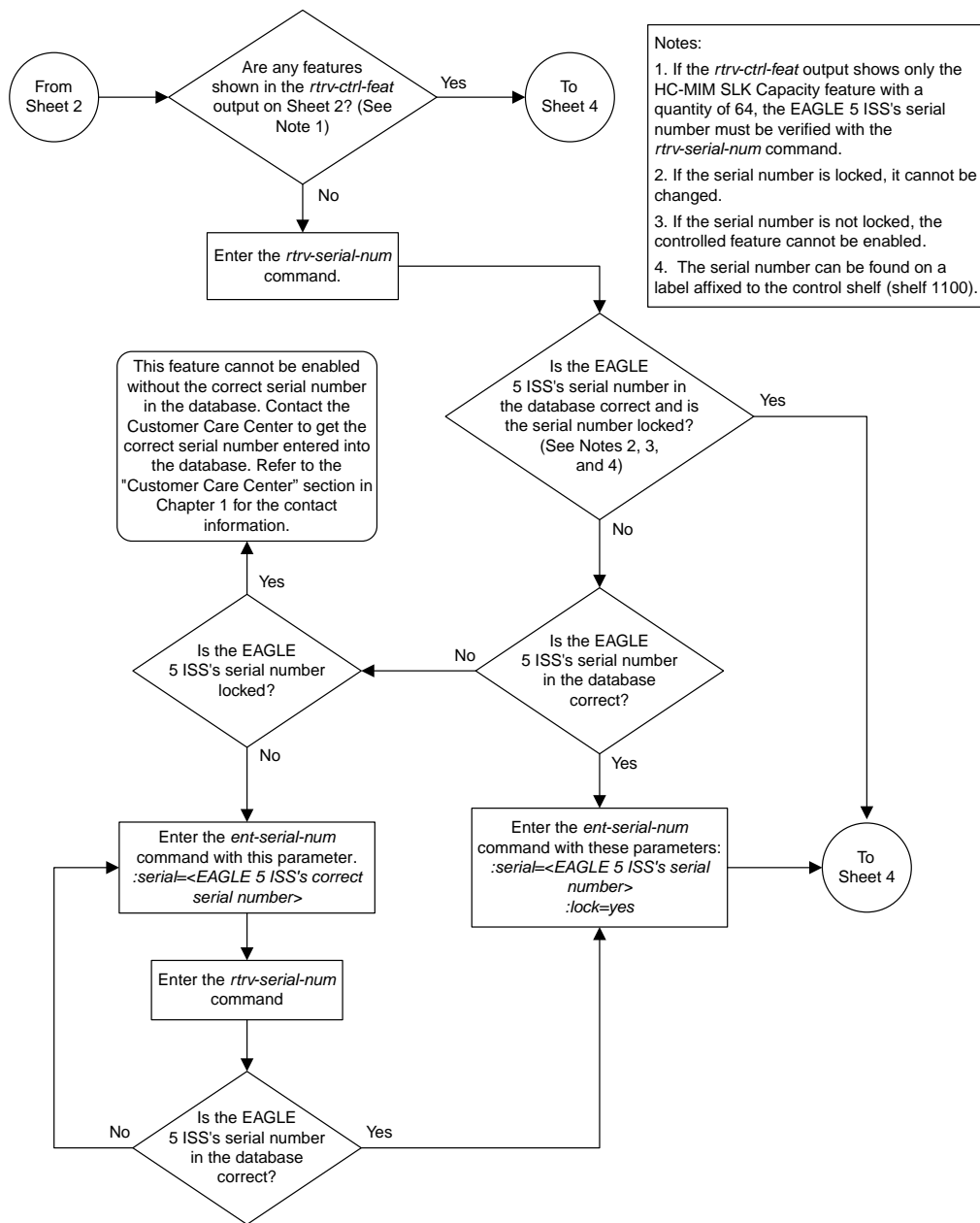


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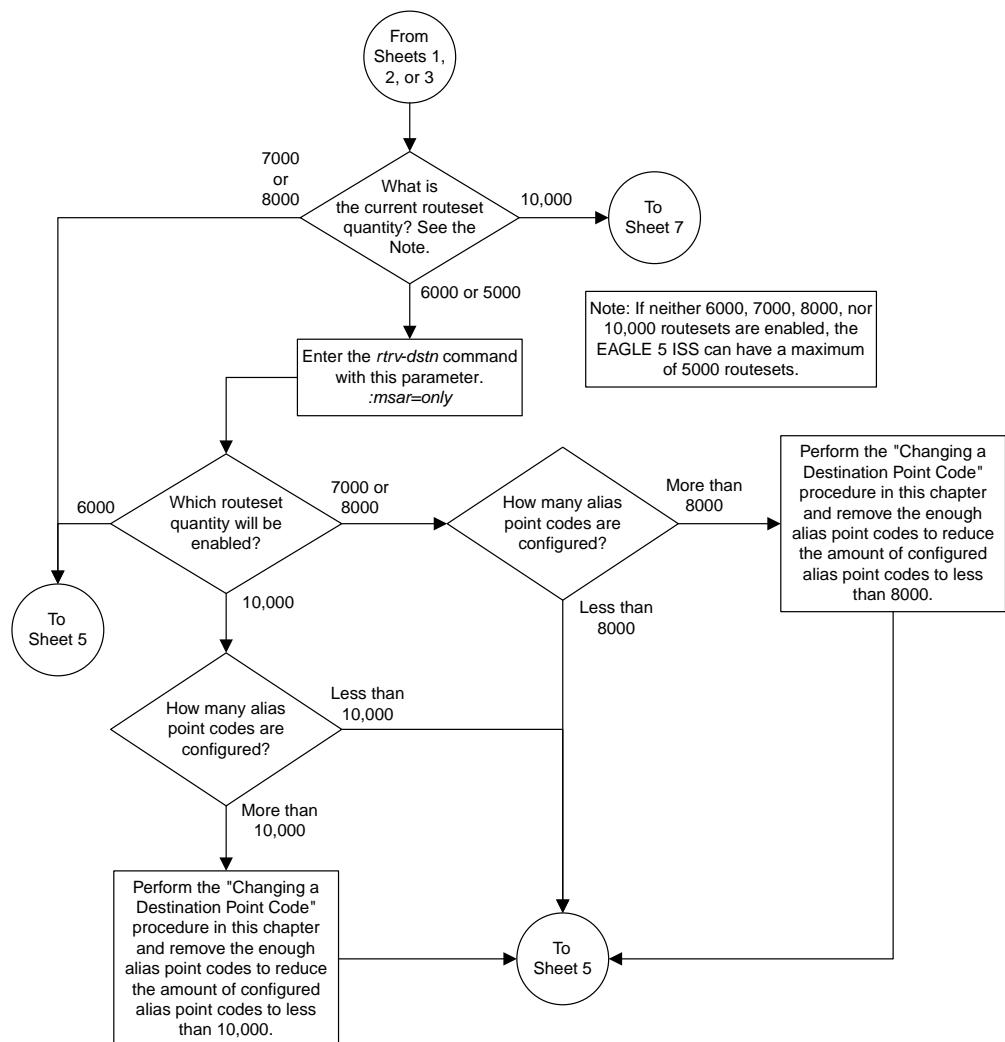


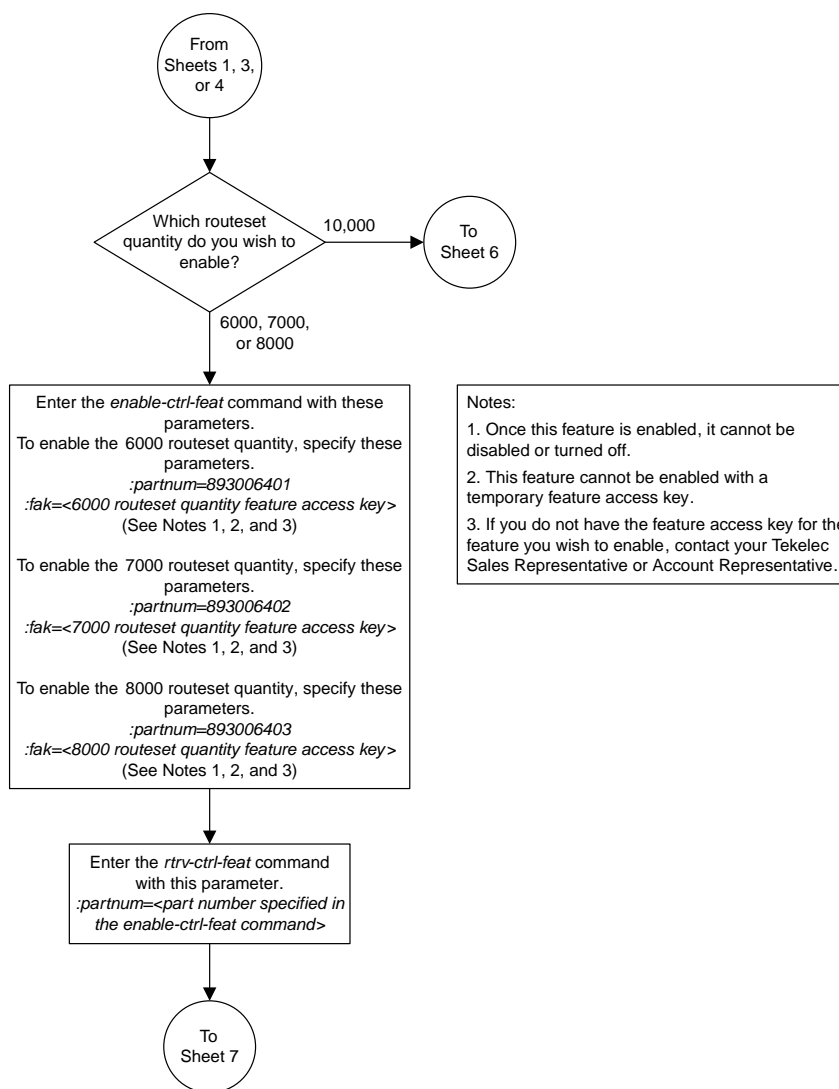
Sheet 2 of 8

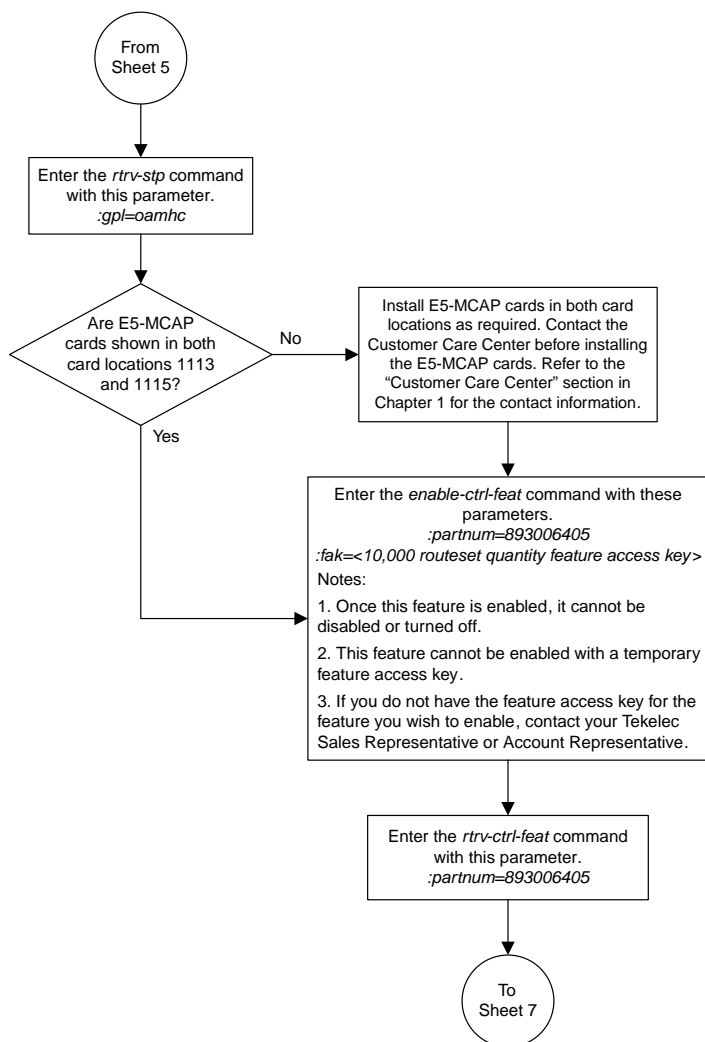




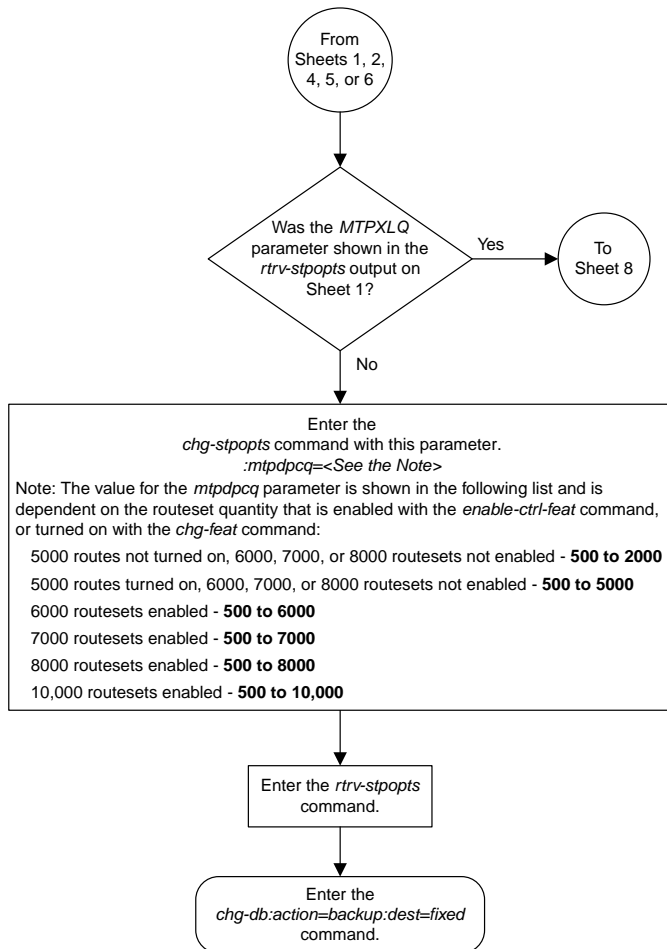
Sheet 3 of 8



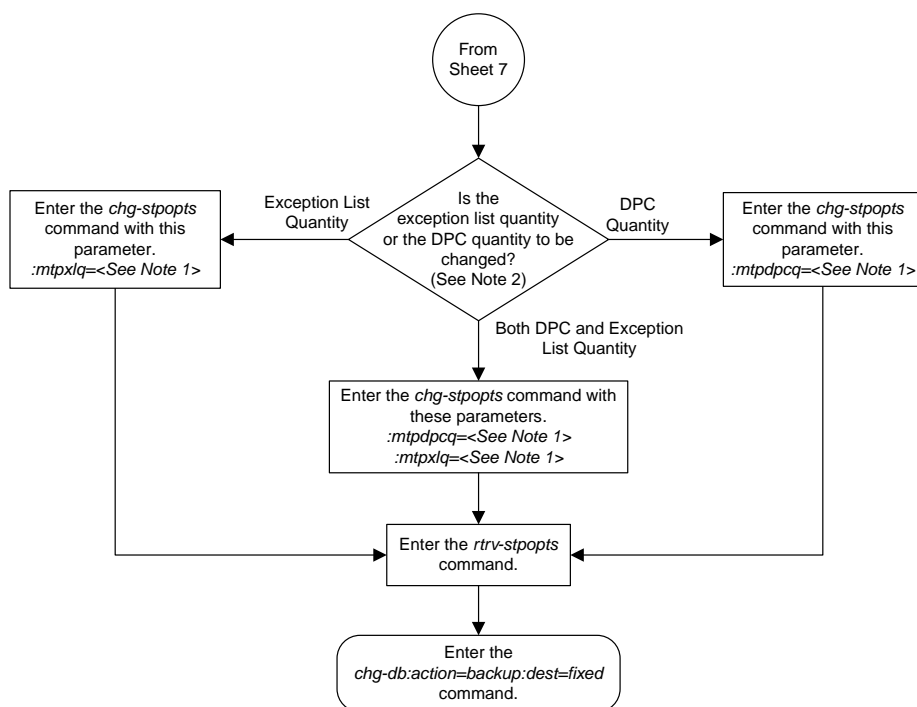




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**Notes:**

1. The sum of the values for the *mtpdpcq* and *mtpxlq* parameters cannot exceed these values, depending which routeset quantity has been enabled with the *enable-ctrl-feat* command, or turned on with the *chg-feat* command:

5000 routes not turned on, 6000, 7000, 8000, or 10,000 routesets not enabled - **2500**. The range of values for the *mtpdpcq* and *mtpxlq* parameters is 500 to 2000.

5000 routes turned on, 6000, 7000, 8000, or 10,000 routesets not enabled - **5500**. The range of values for the *mtpdpcq* and *mtpxlq* parameters is 500 to 5000.

6000 routesets enabled - **6500**. The range of values for the *mtpdpcq* and *mtpxlq* parameters is 500 to 6000.

7000 routesets enabled - **7500**. The range of values for the *mtpdpcq* parameter is 500 to 7000. The range of values for the *mtpxlq* parameter is 500 to 6000.

8000 routesets enabled - **8500**. The range of values for the *mtpdpcq* parameter is 500 to 8000. The range of values for the *mtpxlq* parameter is 500 to 6000.

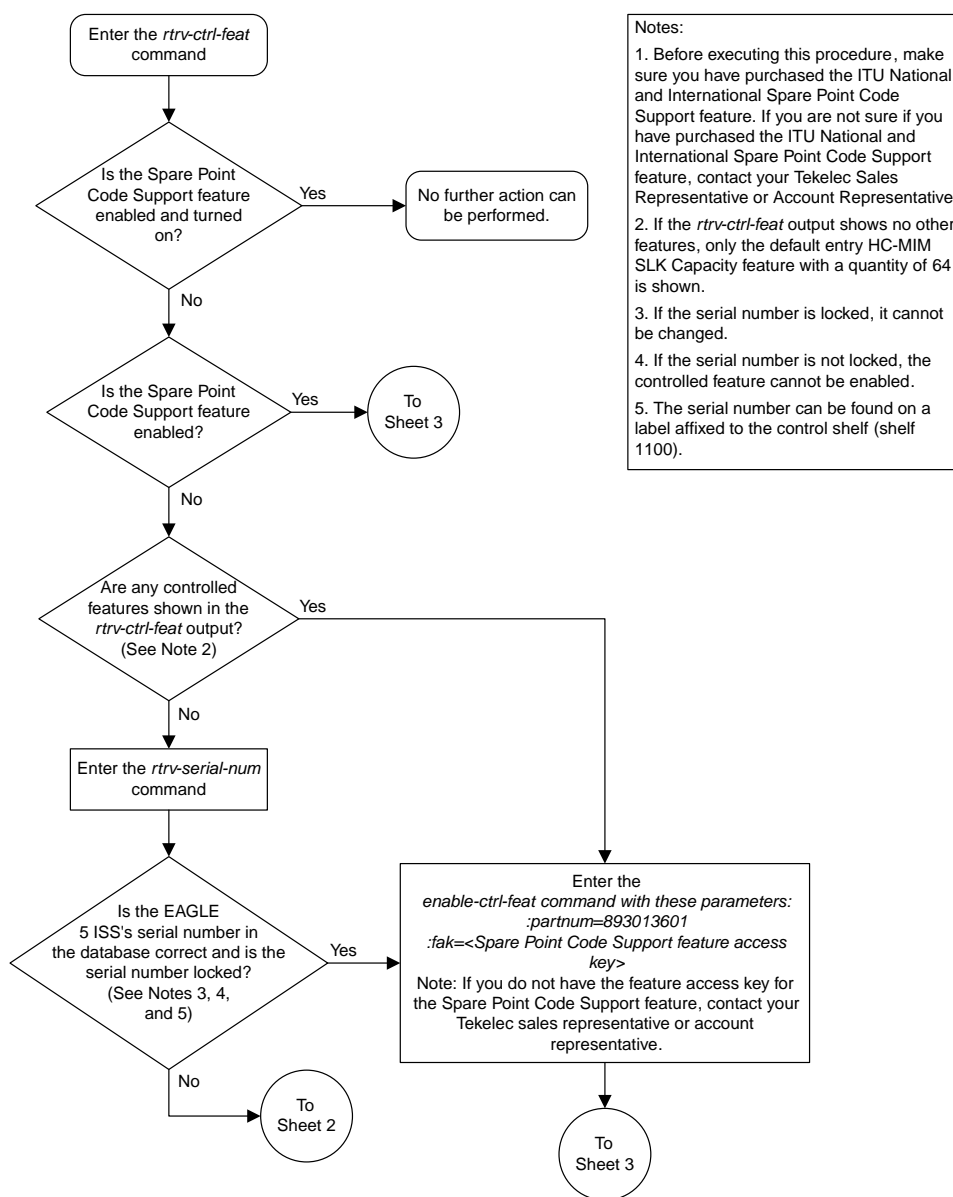
10,000 routesets enabled - **10,500**. The range of values for the *mtpdpcq* parameter is 500 to 10,000. The range of values for the *mtpxlq* parameter is 500 to 10,000.

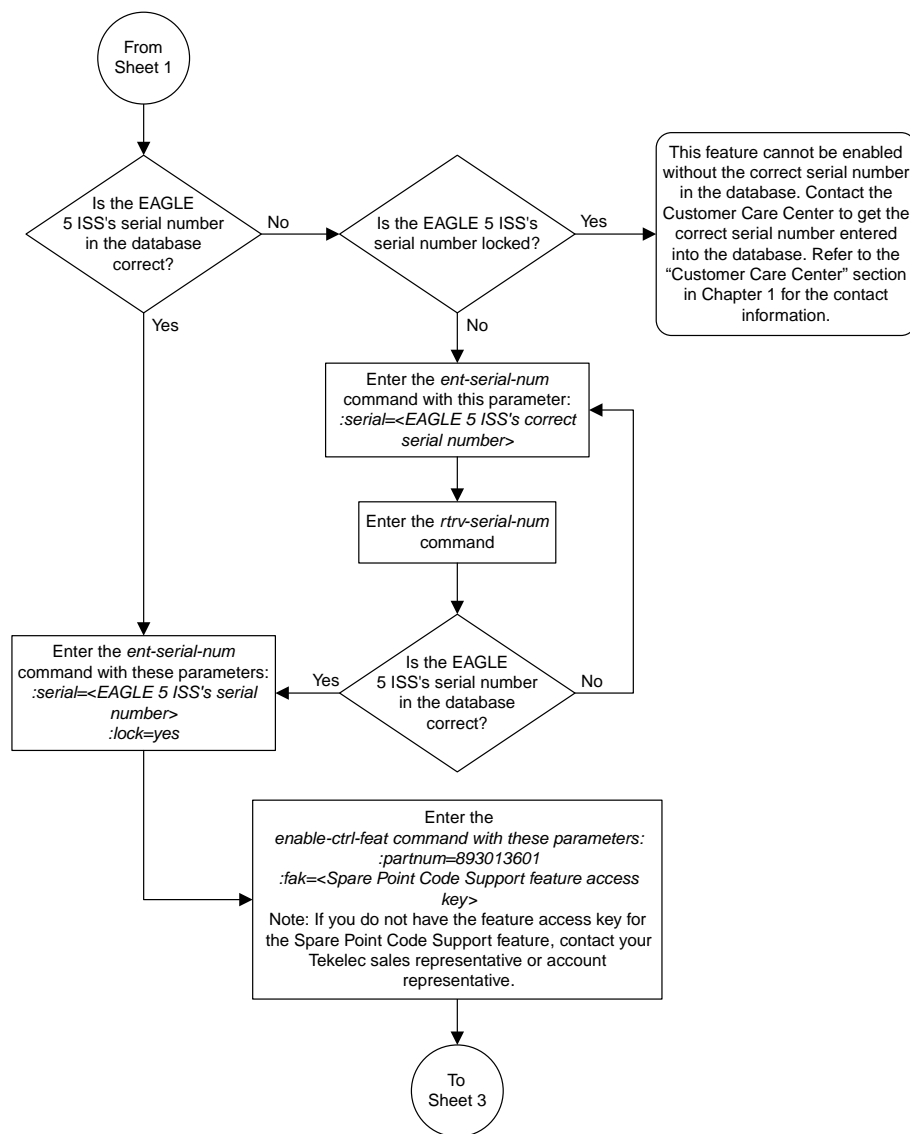
2. If the DPC quantity or the exception list quantity is being changed, both the *mtpdpcq* and *mtpxlq* parameters do not have to be specified unless the resulting sum of the *mtpdpcq* and *mtpxlq* parameters would exceed the totals shown in Note 1.

For example, the current *mtpdpcq* value is 4000 and the current *mtpxlq* value is 1500, resulting in a sum of 5500, and only the 5000 Routes feature is on. To increase either value, both parameters must be specified and the sum of the new values cannot exceed 5500. If either value is being decreased, the other parameter can be specified as long as the sum of the values does not exceed 5500.

If in this example, the current *mtpdpcq* value is 3000 and the current *mtpxlq* value is 1500, resulting in a sum of 4500, either parameter value can be changed without specifying the other parameter as long as the sum of the values does not exceed 5500.

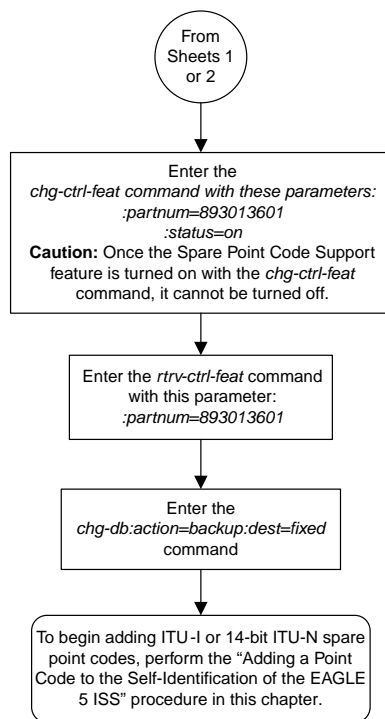
## Activating the ITU National and International Spare Point Code Support Feature



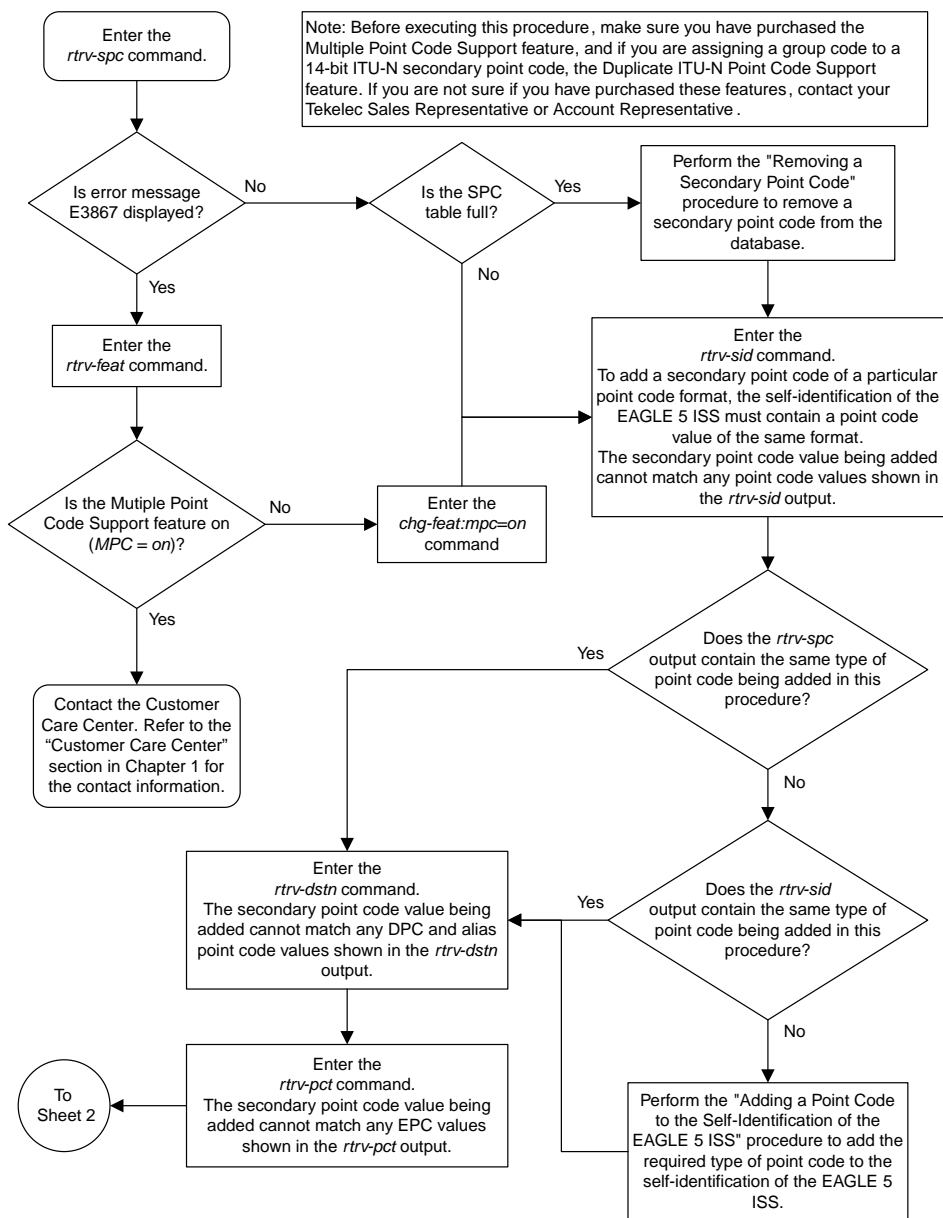


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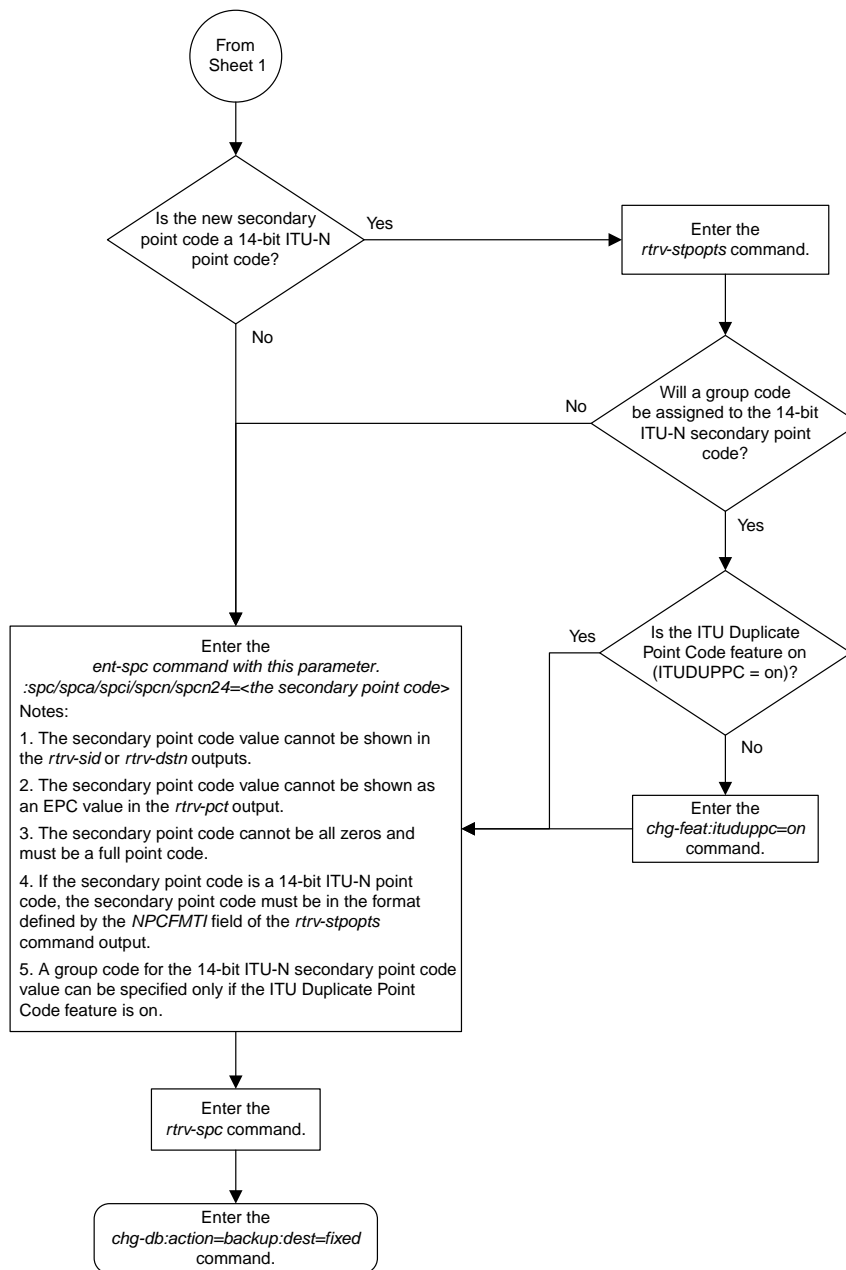




## Adding a Secondary Point Code

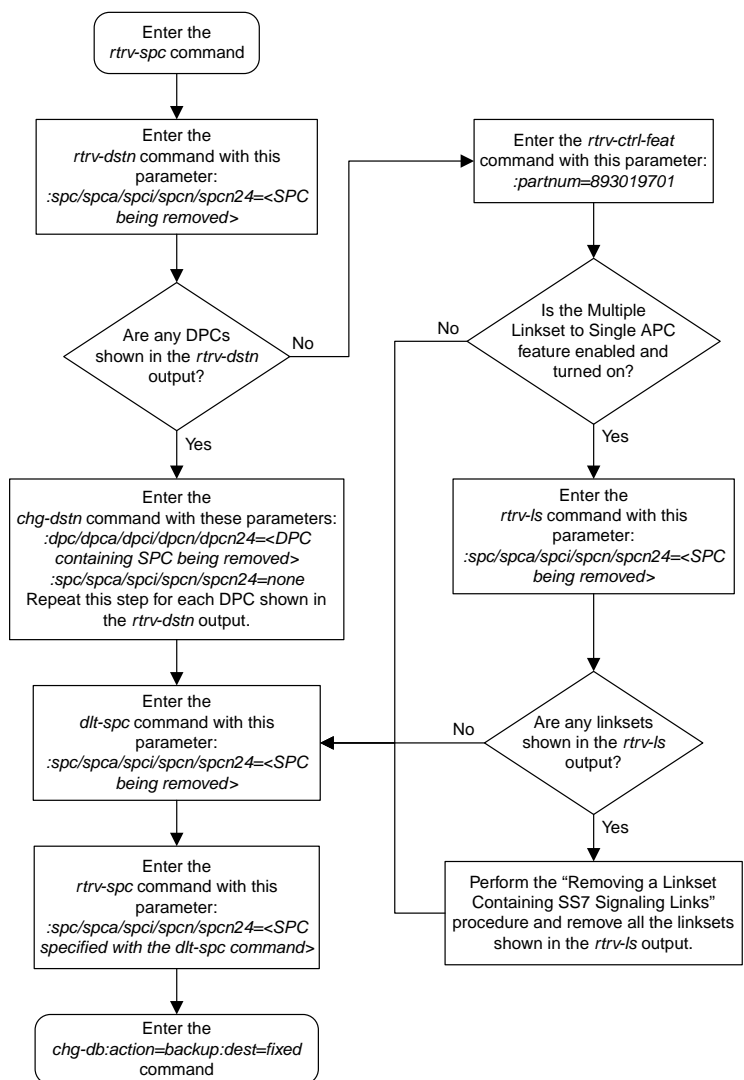


Sheet 1 of 2

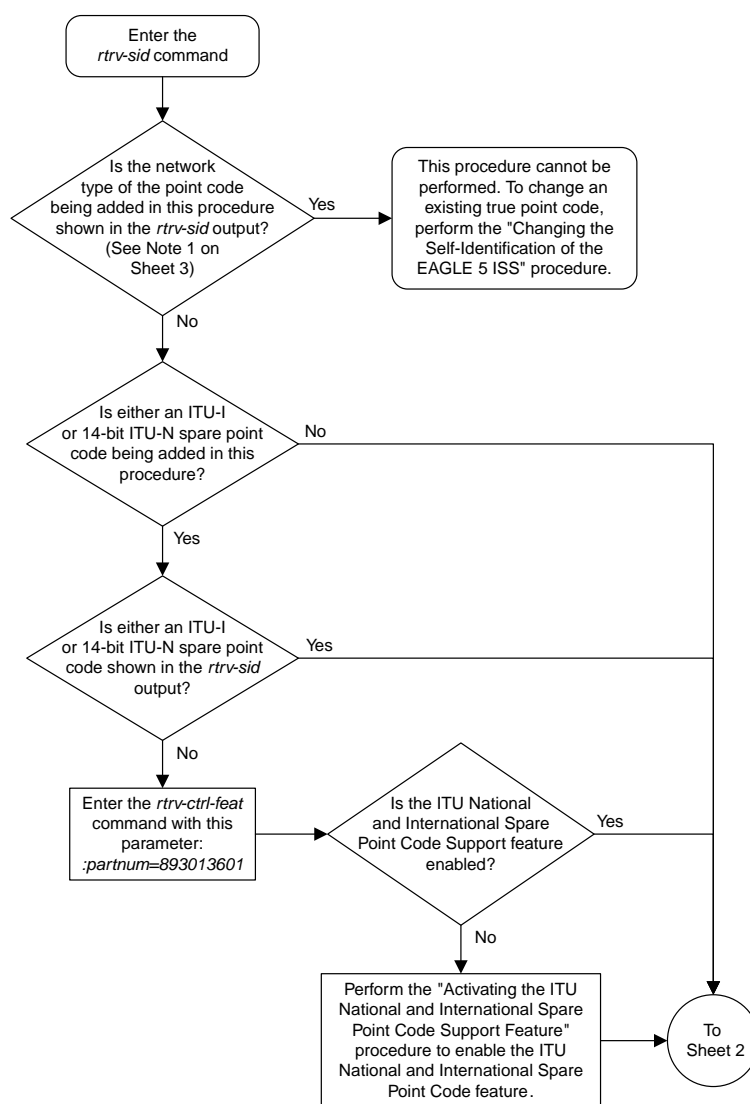


Sheet 2 of 2

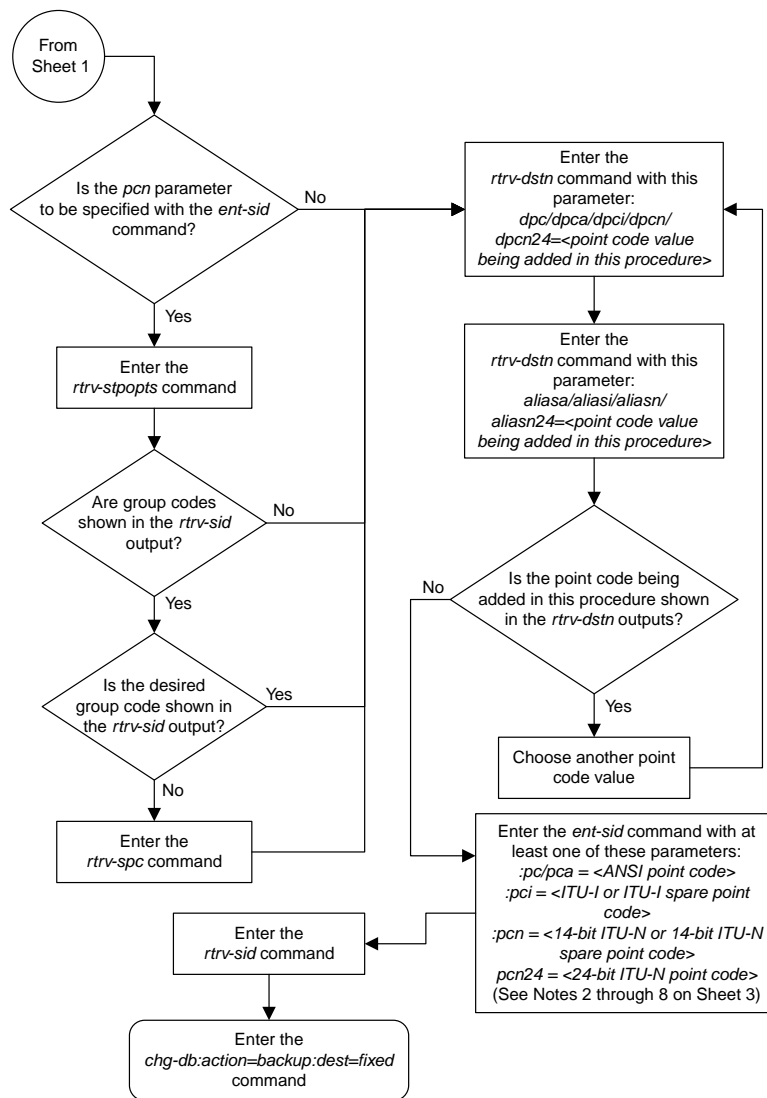
## Removing a Secondary Point Code



## Adding a Point Code to the Self-Identification of the EAGLE 5 ISS



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## Notes:

1. The self-identification can contain these types of point codes:

ANSI - shown in the *PCA* column

ITU-I - shown in the *PCI* column

14-bit ITU-N - shown in the *PCN* column

24-bit ITU-N - shown in the *PCN24* column.

The *PCI* column can also contain an ITU-I spare point code in addition to the ITU-I point code.

The *PCN* column can also contain a 14-bit ITU-N spare point code in addition to the ITU-N point code.

If any of these point code types, including spare point codes, are shown in the *rtrv-sid* output, then that type of point code cannot be specified in this procedure.

2. If the *pcn* parameter is specified with the *ent-sid* command, the *pcn24* parameter cannot be specified.

3. If the *pcn24* parameter is specified with the *ent-sid* command, the *pcn* parameter cannot be specified.

4. For 14-bit ITU-N point code values, the format of the point code must match the format defined by the *NPCFMT1* parameter of the *rtrv-stpopts* output.

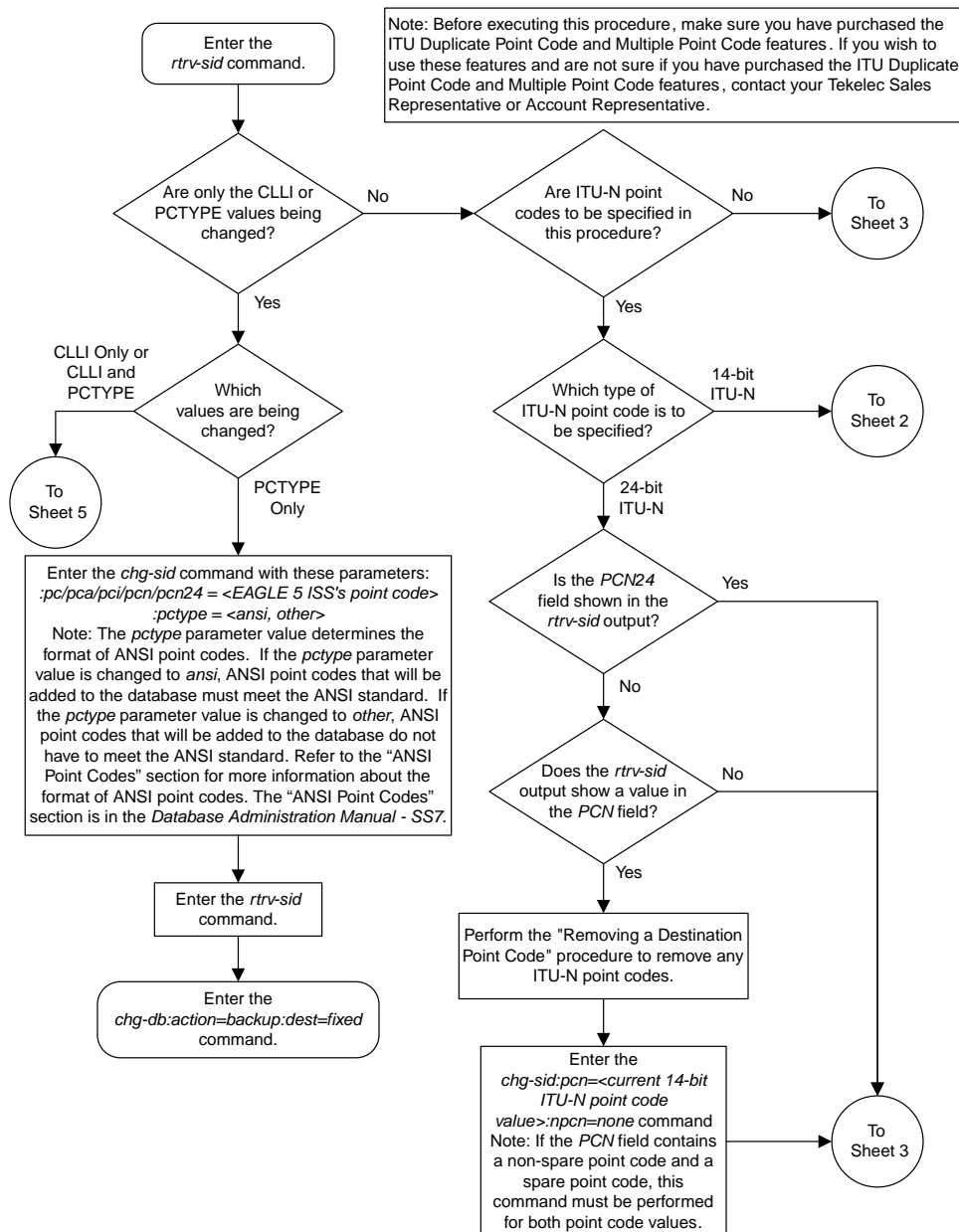
5. The point code values must be full point codes.

6. The ITU National and International Spare Point Code Support feature must be enabled to specify an ITU-I or 14-bit ITU-N spare point code.

7. The point code specified in this procedure cannot be defined as a capability point code.

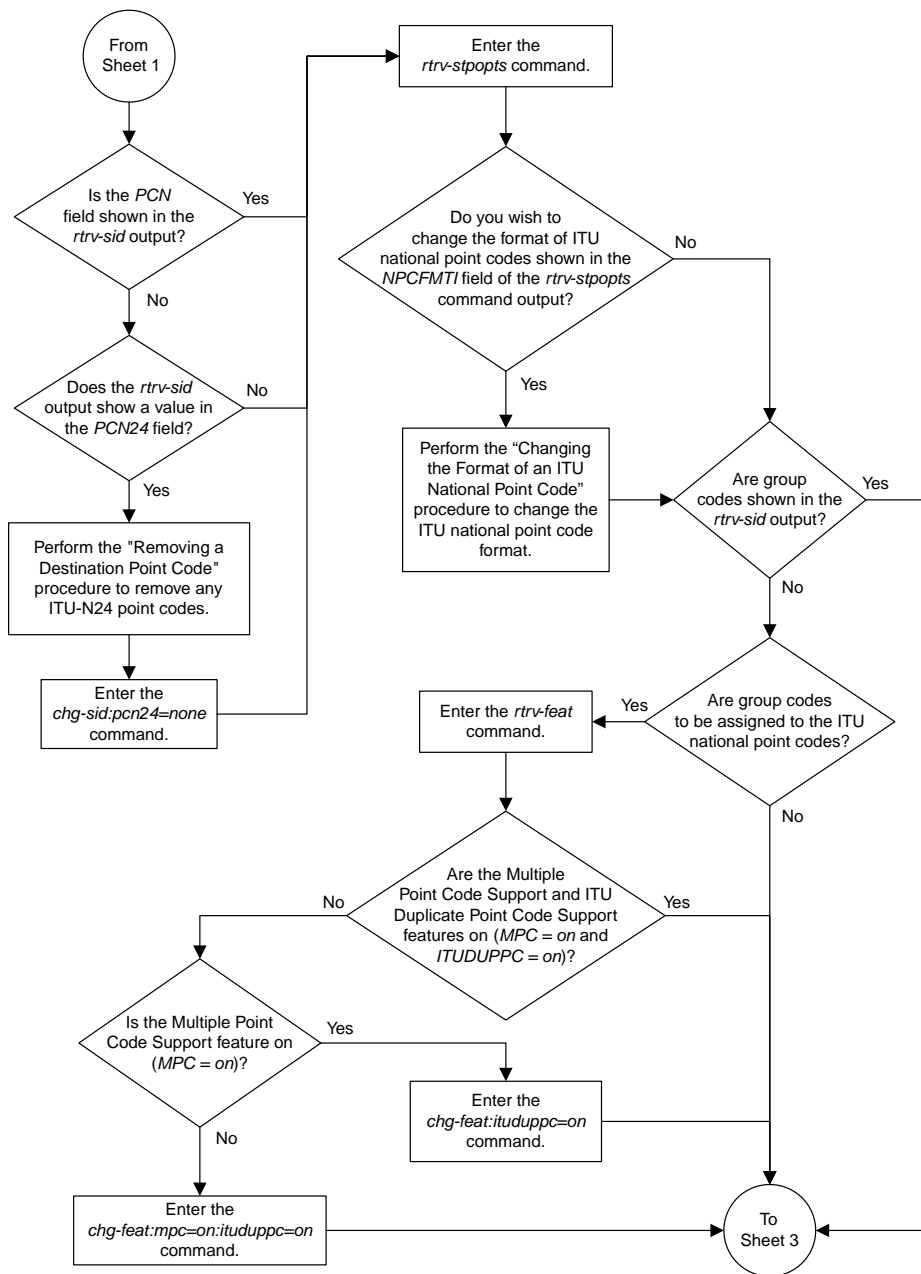
8. See the "ANSI Point Codes" section in the *Database Administration Manual – SS7* for information about entering ANSI point codes.

## Changing the Self-Identification of the EAGLE 5 ISS

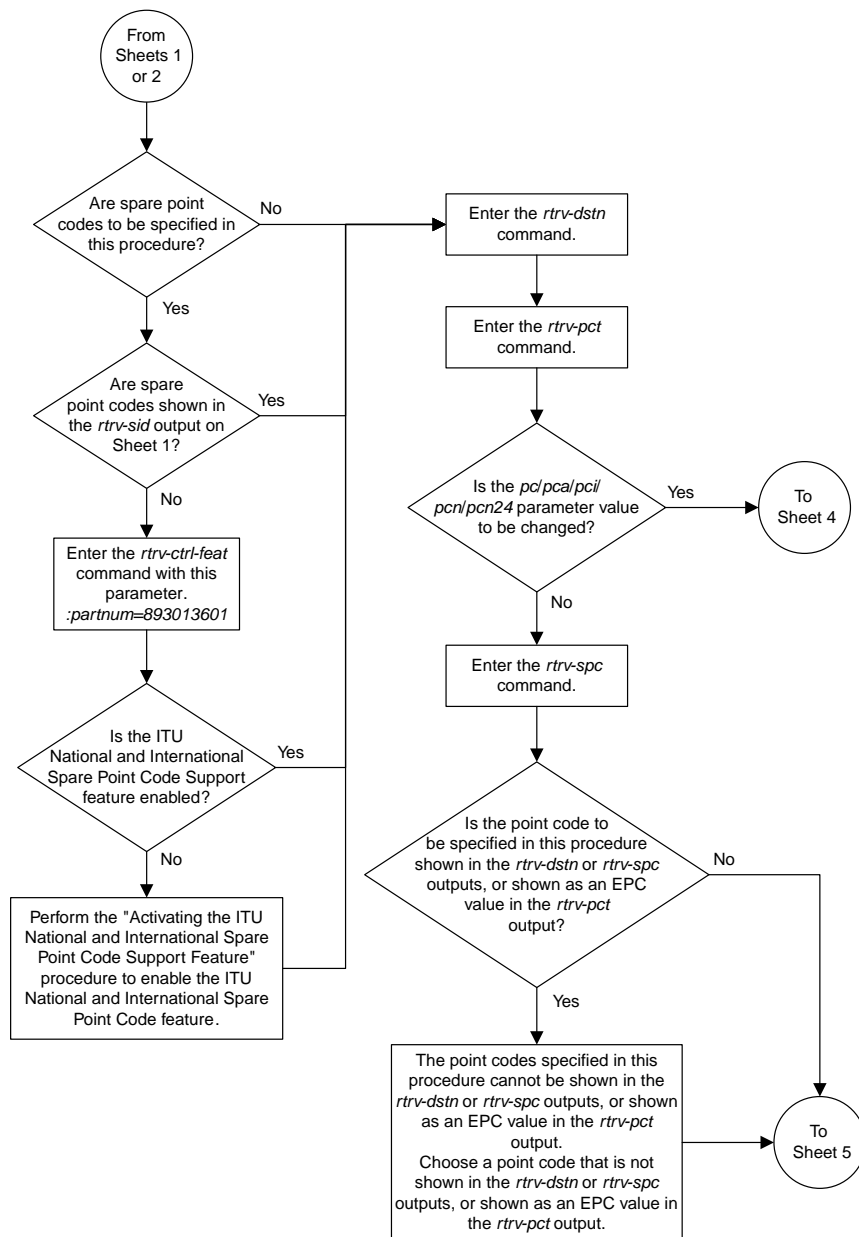


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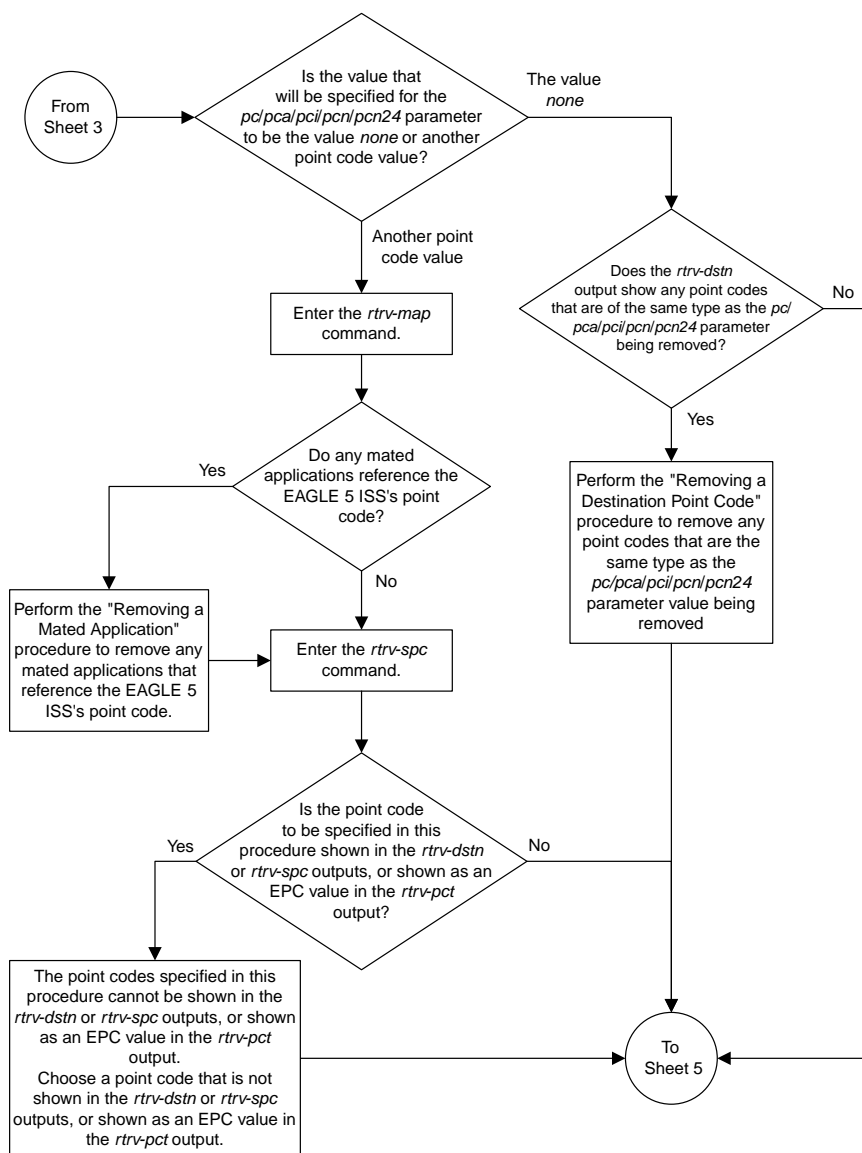


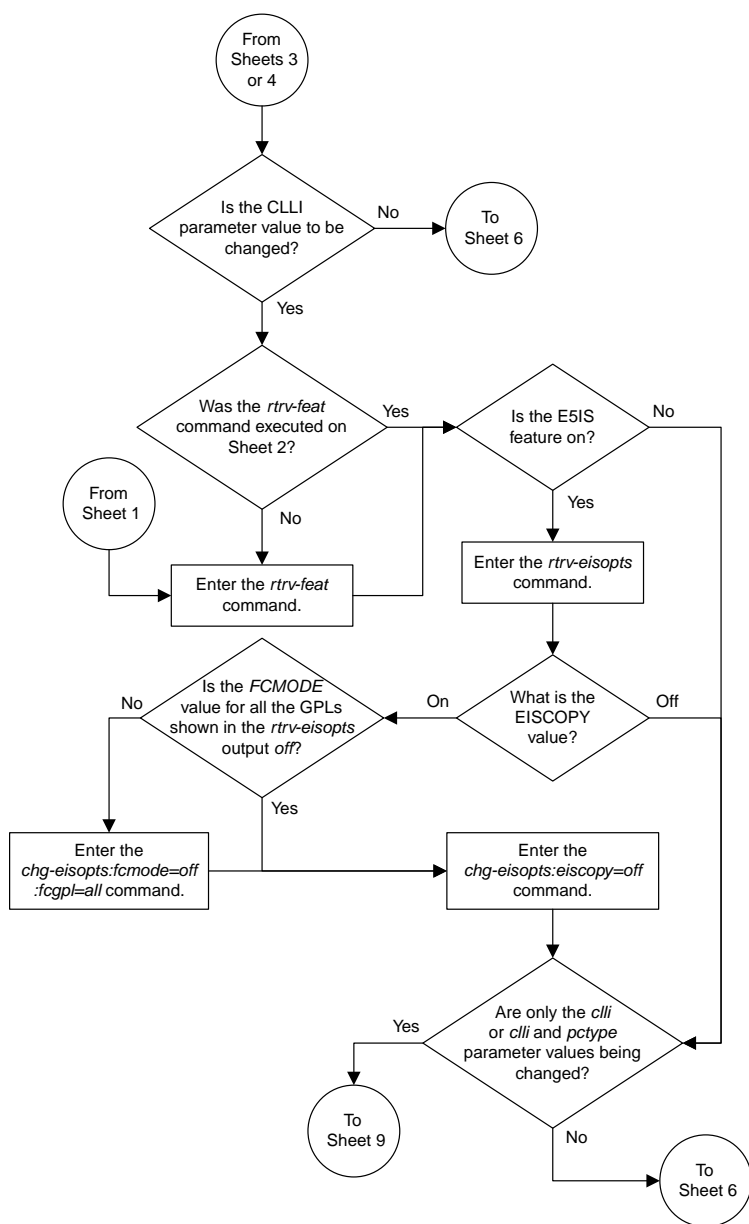


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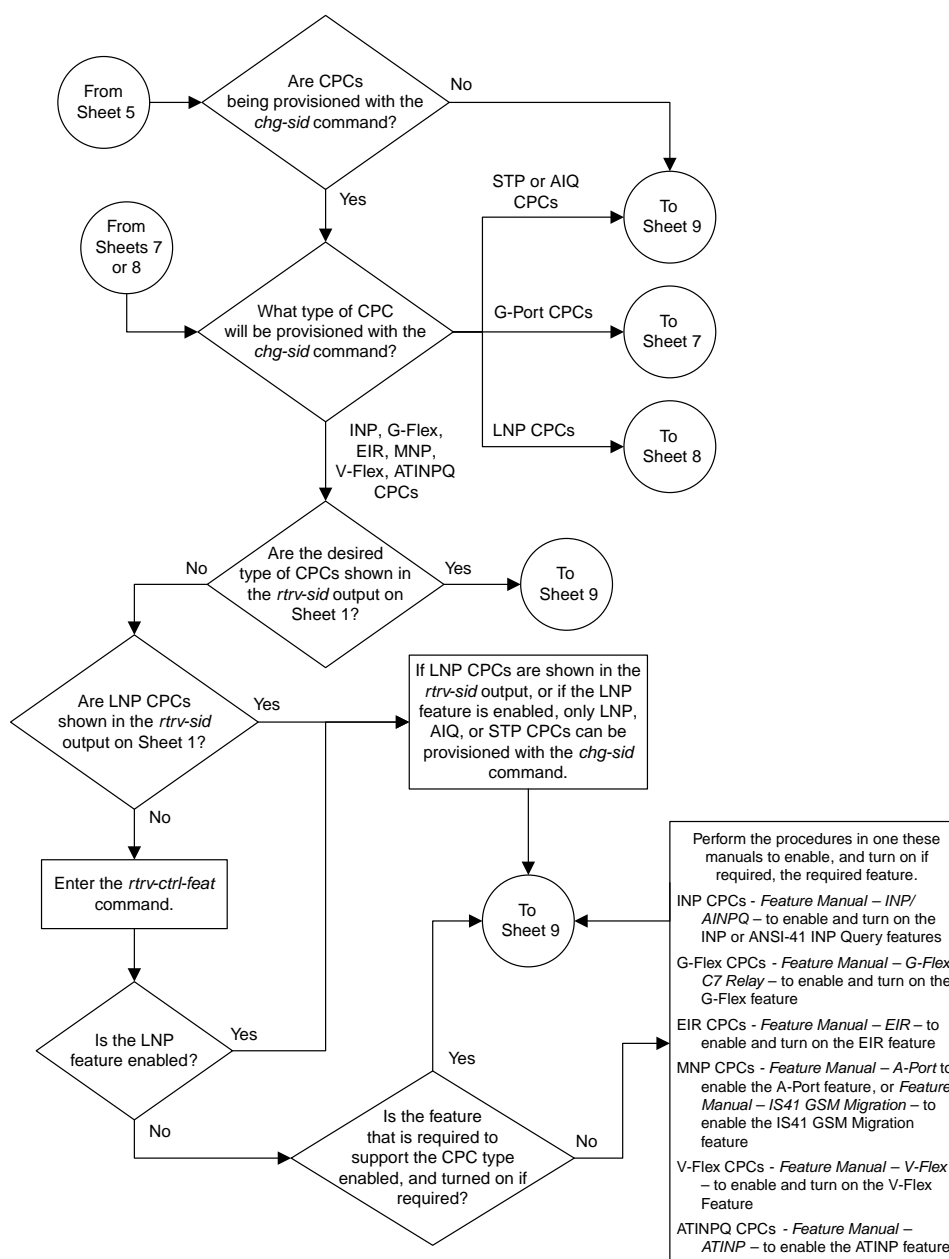


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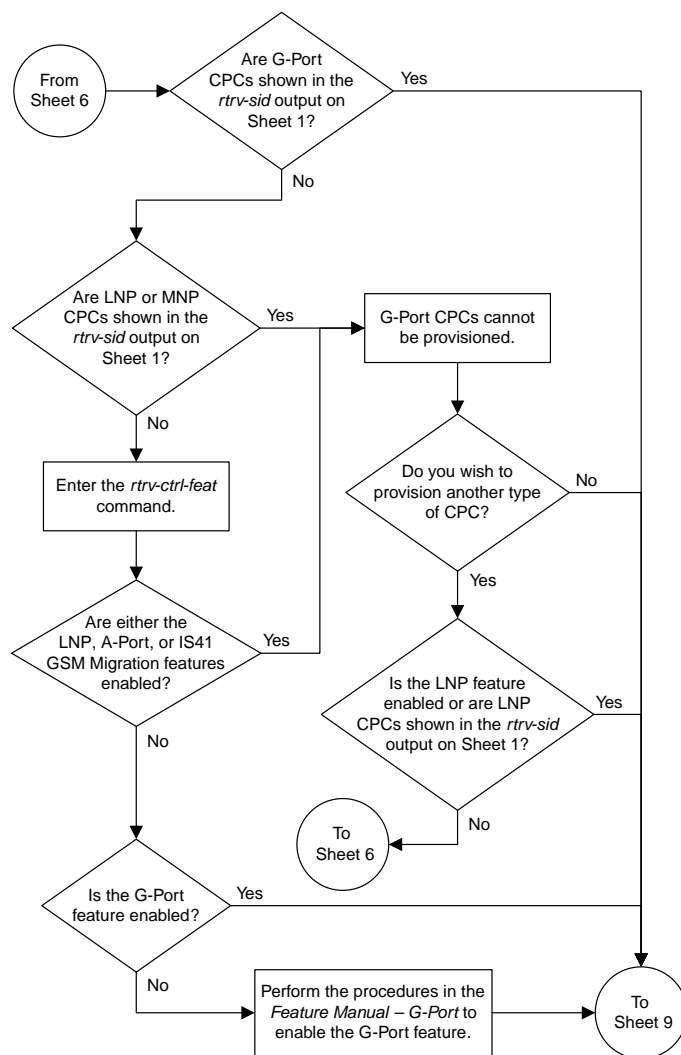




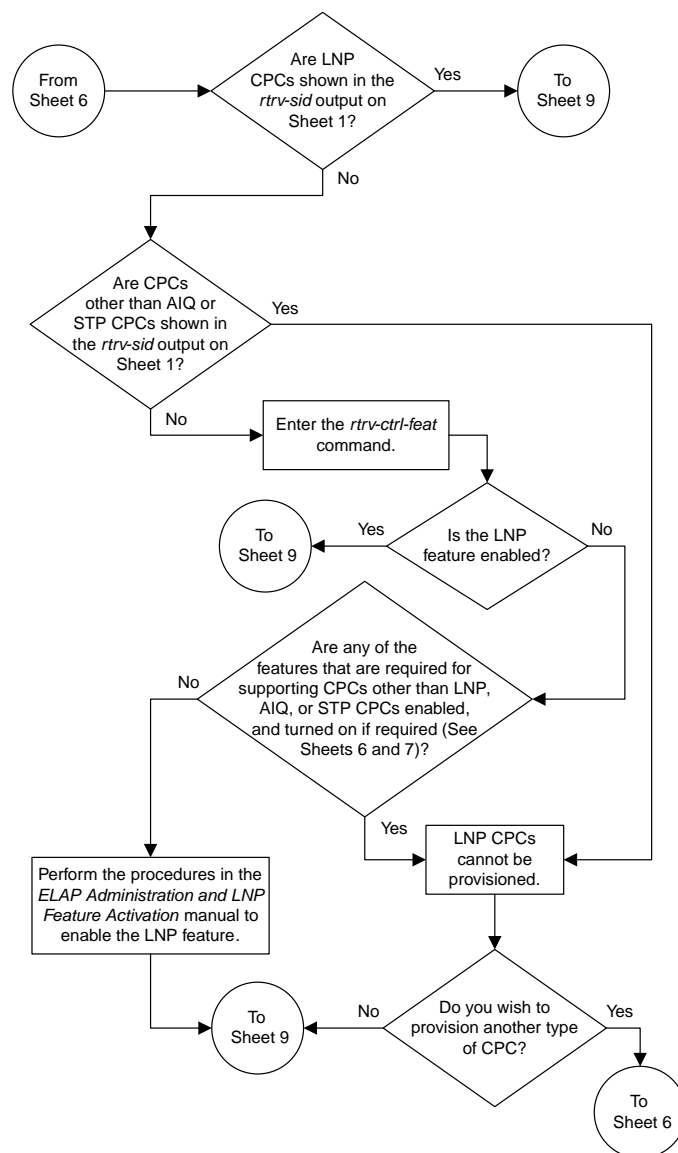
Sheet 5 of 11



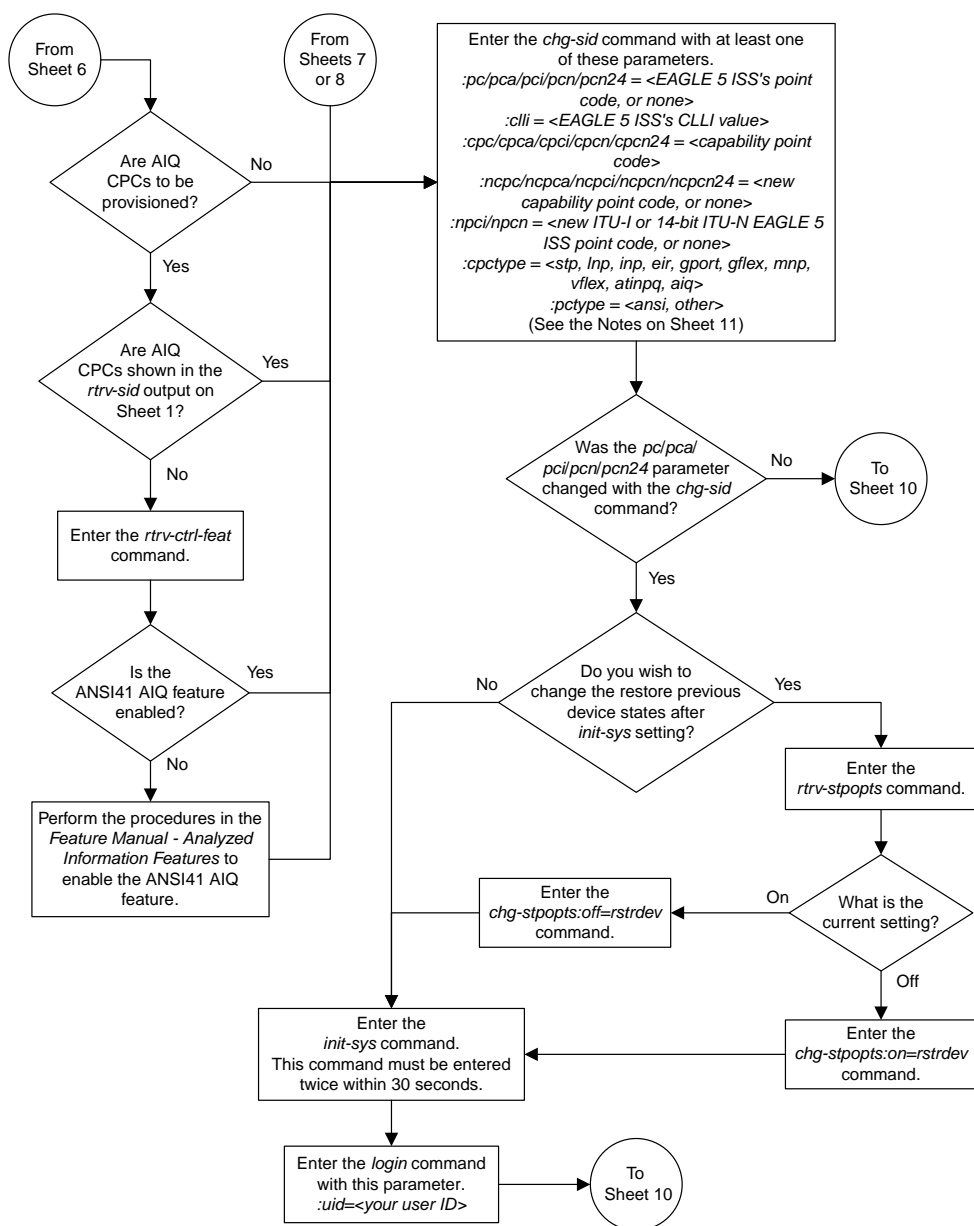
Sheet 6 of 11



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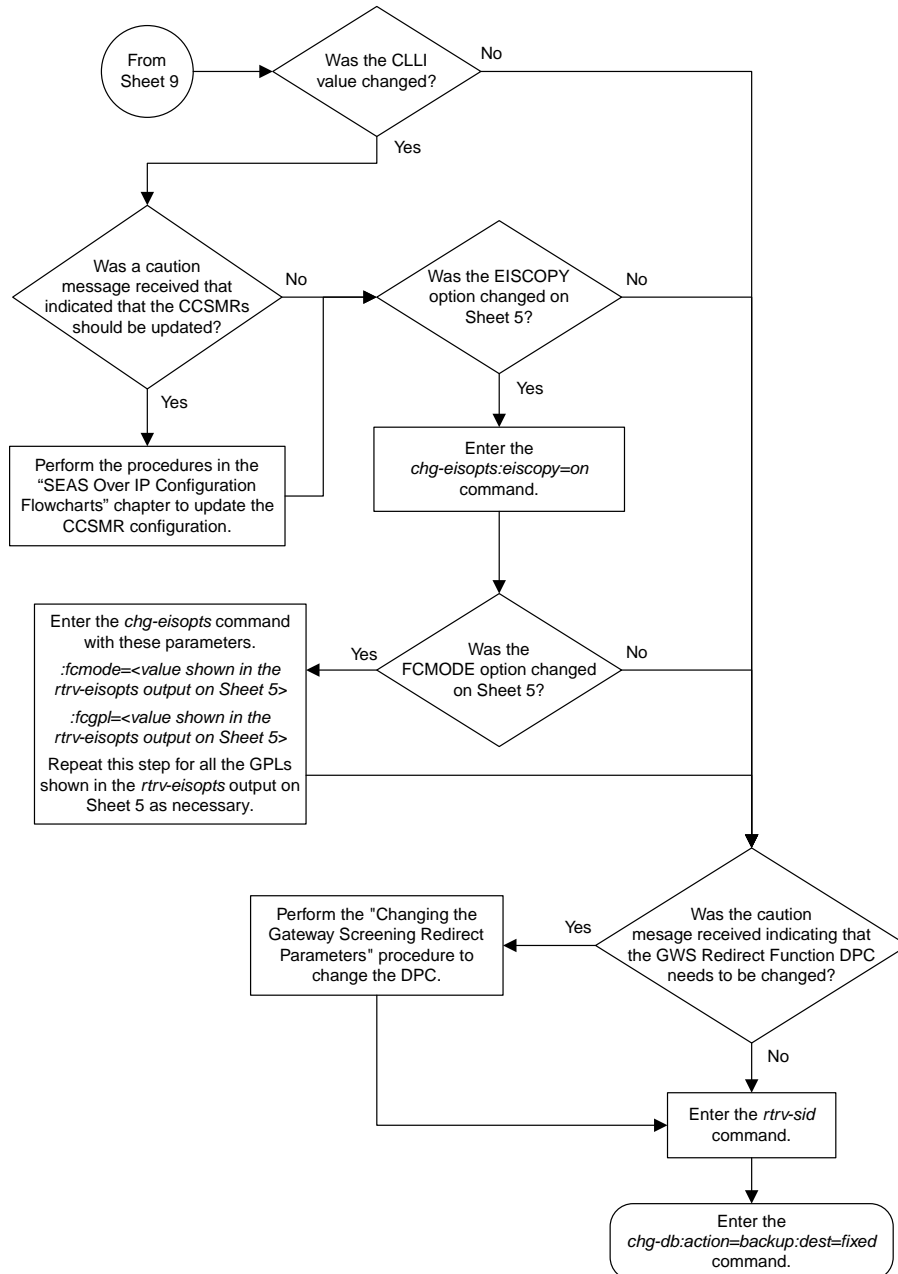


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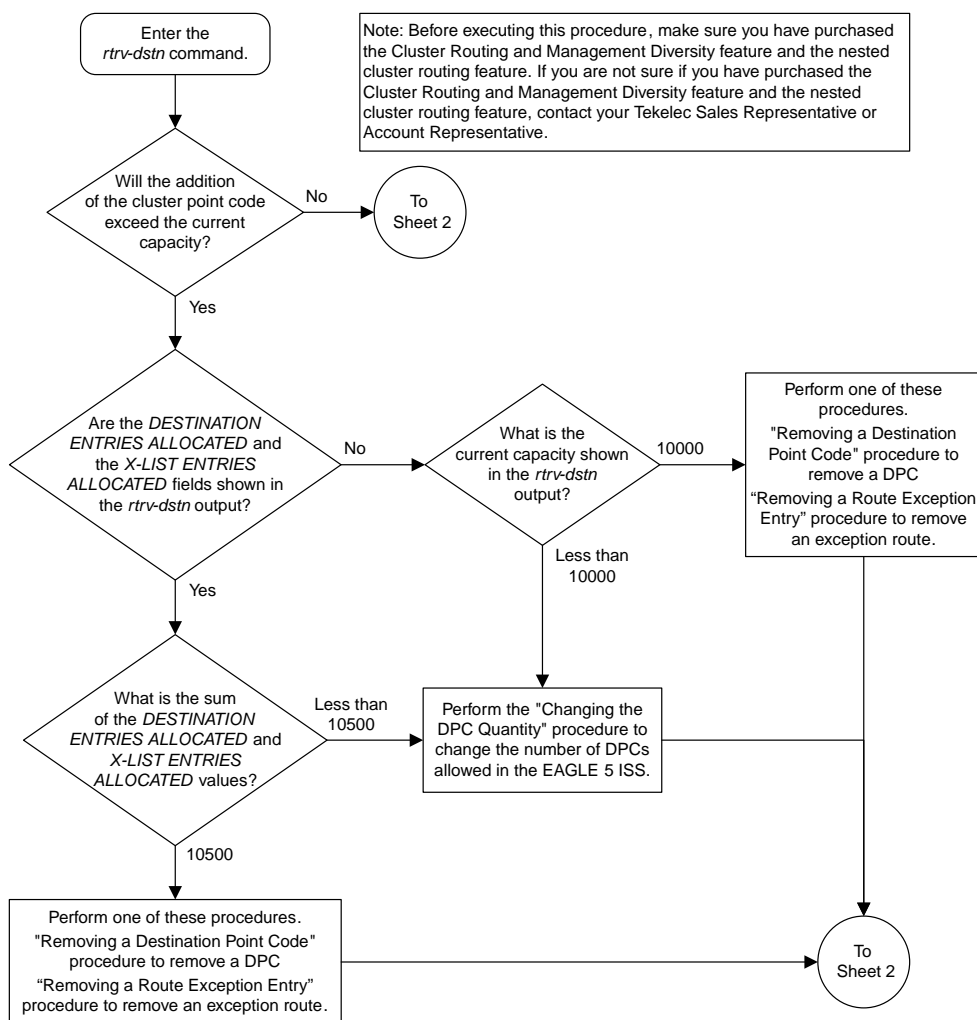


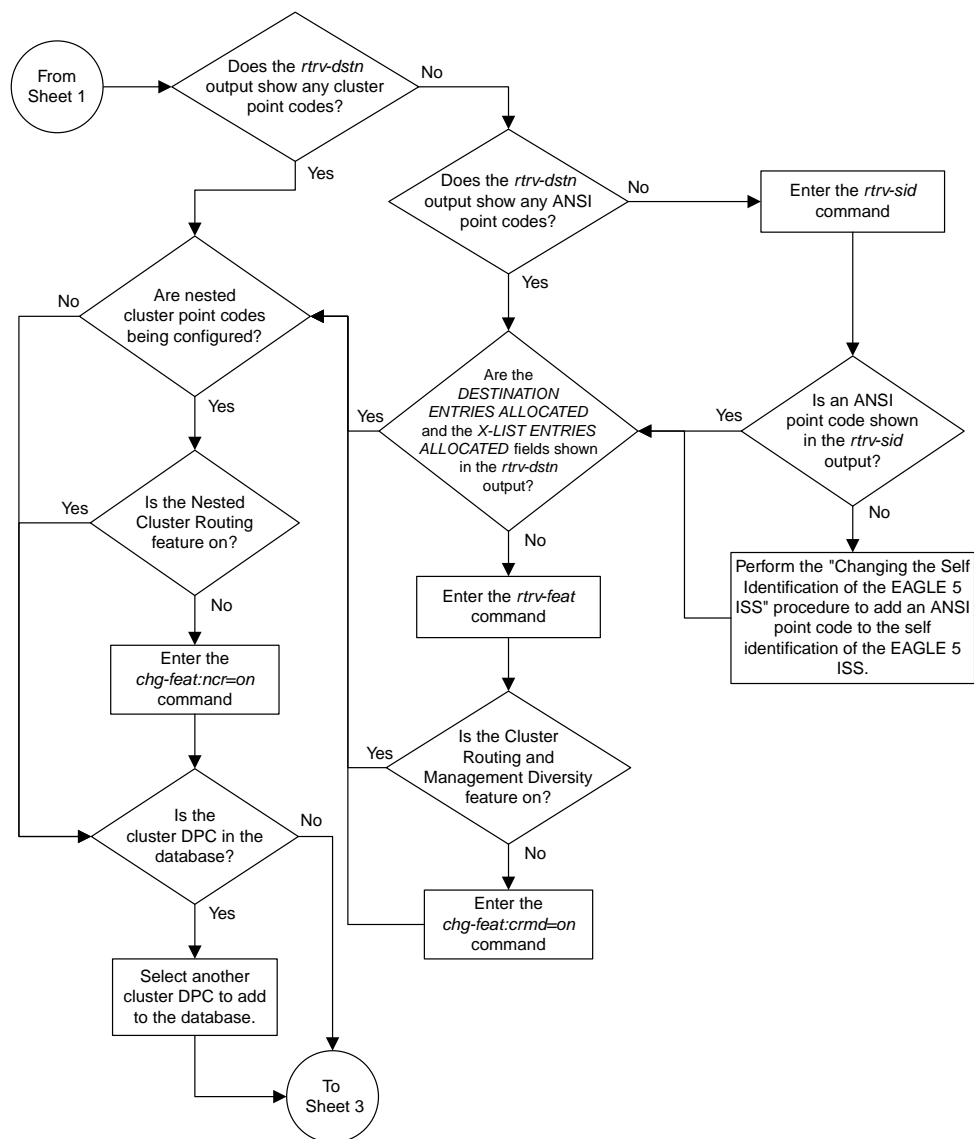


## Notes:

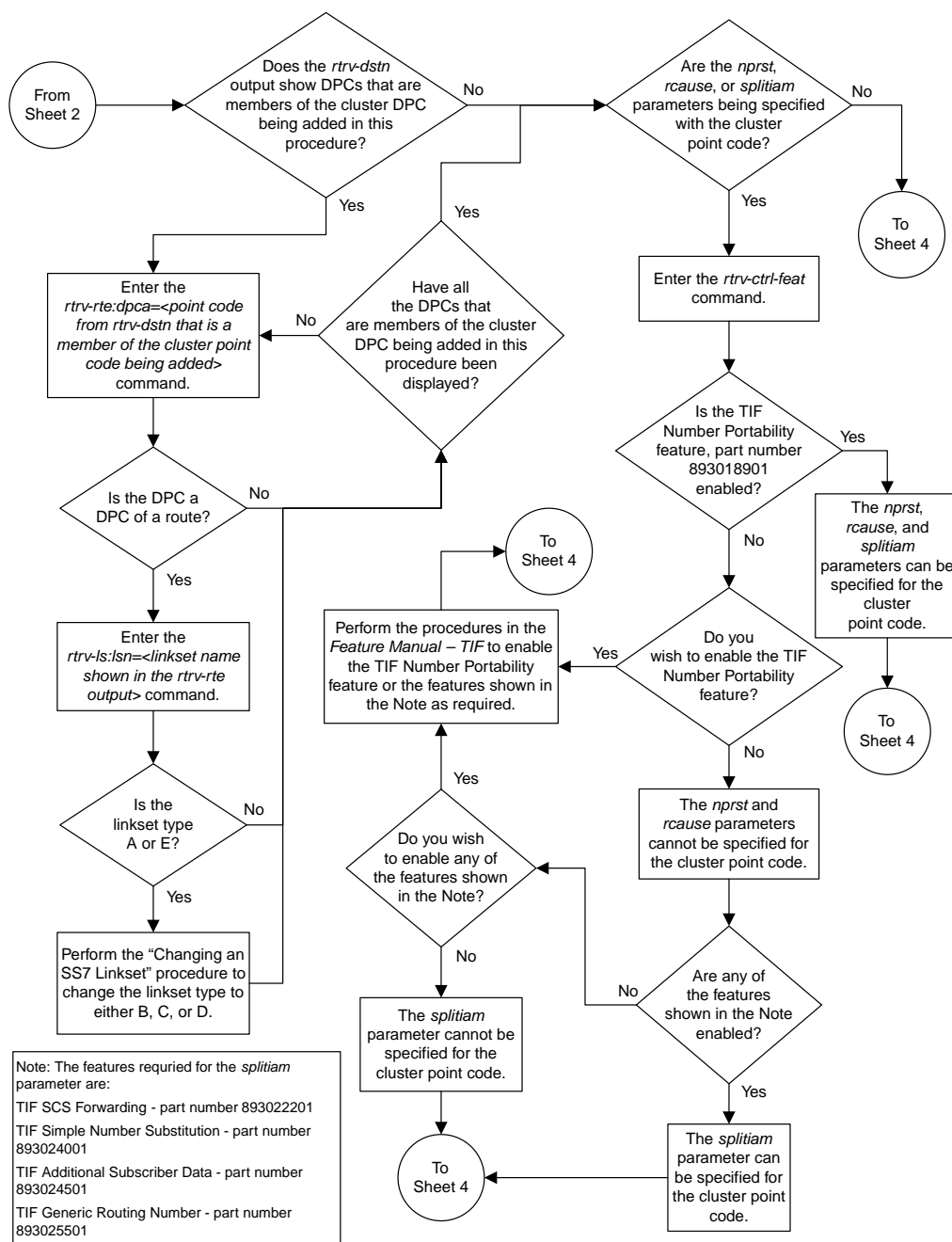
1. The parameters *pci/pca*, *cpci/cpca*, and *npci/npcn* require ANSI point code values.
2. The parameters *pci*, *npci*, *cpci*, and *npcn* require ITU-I point code values.
3. The parameters *pcn*, *npcn*, *cpcn*, and *npcn* require 14-bit ITU-N point code values.
4. The parameters *pcn24*, *cpcn24*, and *npcn24* require 24-bit ITU-N point code values.
5. The EAGLE 5 ISS can contain 14-bit ITU-N point codes or 24-bit ITU-N point codes, but not both at the same time.
6. For 14-bit ITU-N point code values, the format of the point code must match the format defined by the *NPCFMTI* parameter of the *rtv-stpopts* output.
7. The point code values must be full point codes.
8. The *cpc* parameter must be specified with the *npc* parameter and the point code type of both parameters must be the same.
9. Either the *cpc* or *npc* parameter must be specified with the *cpctype* parameter.
10. The *npc* parameter value cannot be equal to the *cpc* or *pc* parameter values.
11. The *cli* parameter value cannot be *none* or assigned to a route.
12. If the *cpctype* parameter value is *inp*, the point code values must be ANSI point codes.
13. If the *cpctype* parameter value is *inp*, the point code values must be either ITU-I, 14-bit ITU-N, or 24-bit ITU-N point codes.
14. If the *cpctype* parameter value is *eir*, the point code values must be either ITU-I, 14-bit ITU-N, or 24-bit ITU-N point codes.
15. If the *cpctype* parameter value is *gflex*, the point code values can be any point code type.
16. If the *cpctype* parameter value is *gport*, the point code values can be any point code type.
17. If the *cpctype* parameter value is *stp*, the point code values can be any point code type.
18. The EAGLE 5 ISS can contain a maximum of 96 capability point codes.
19. The *npc=none* parameter removes the specified capability point code.
20. The *npc=<point code value>* replaces the specified capability point code.
21. The *pc=none* parameter removes the point code of the specified point code type. This parameter cannot be specified if there are routes that have DPCs of the point code type specified by the *pc=none* parameter.
22. The *pctype* parameter specifies whether or not the ANSI point codes used by the EAGLE 5 ISS meet the ANSI standard (*pctype=ansi*) or not (*pctype=other*). This parameter does not apply to ITU international or ITU national point codes. See the "ANSI Point Codes" section in this chapter for information about entering ANSI point codes.
23. If you wish to specify the *pcn24* parameter with the *chg-sid* command and the *rtv-sid* output shows the *PCN* field, the 14-bit ITU-N point code value, shown in the *PCN* field must be removed with the *pcn=none* parameter before the *pcn24* parameter value can be specified by the *chg-sid* command. Enter the *chg-sid* command with the *pcn=none* parameter, then re-enter the *chg-sid* command with the *pcn24* parameter. If no value is shown in the *PCN* field, specifying the *pcn=none* parameter is not necessary.
24. If you wish to specify the *pcn* parameter with the *chg-sid* command and the *rtv-sid* output shows the *PCN24* field, the 24-bit ITU-N point code value, shown in the *PCN24* field must be removed with the *pcn24=none* parameter before the *pcn* parameter value can be specified by the *chg-sid* command. Enter the *chg-sid* command with the *pcn24=none* parameter, then re-enter the *chg-sid* command with the *pcn* parameter. If no value is shown in the *PCN24* field, specifying the *pcn24=none* parameter is not necessary.
25. The *npci=none* parameter removes the specified ITU-I point code.
26. The *npcn=none* parameter removes the specified 14-bit ITU-N point code.
27. The *npci=<point code value>* replaces the specified ITU-I point code.
28. The *npcn=<point code value>* replaces the specified 14-bit ITU-N point code.
29. The *npci/npcn* parameter values cannot be equal to any *cpc* or *pc* parameter values.
30. The *pci* parameter must be specified if the *npcn* parameter is specified.
31. The *pcn* parameter must be specified if the *npcn* parameter is specified.
32. The new ITU-I or 14-bit ITU-N point code values (*npci/npcn*) must be the same type as the *pci/pcn* parameter value. For example, if the *pci* value is a non-spare point code, the *npci* value must be a non-spare point code. If the *pci* value is a spare point code, the *npci* value must be a spare point code.
33. If the *cpctype* parameter value is *mnp*, the point code values can be any point code type.
34. If the *cpctype* parameter value is *vflex*, the point code values can be any point code type.
35. If the *cpctype* parameter value is *atinpq* or *aiq*, the point code values must be either ANSI, ITU-I, or 14-bit ITU-N point codes.

## Adding a Cluster Point Code

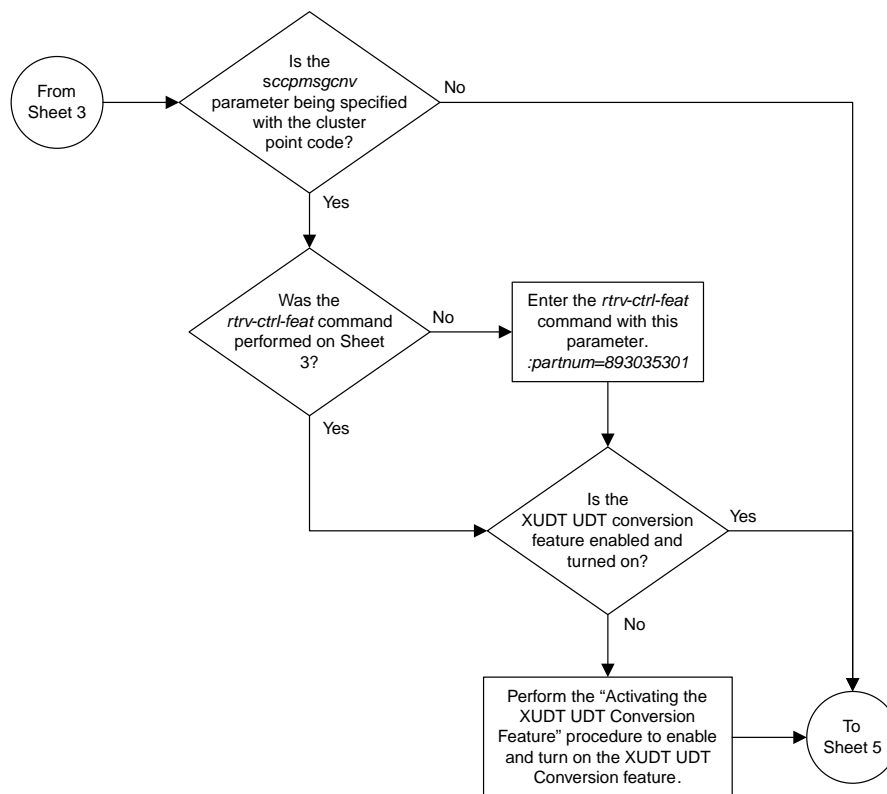




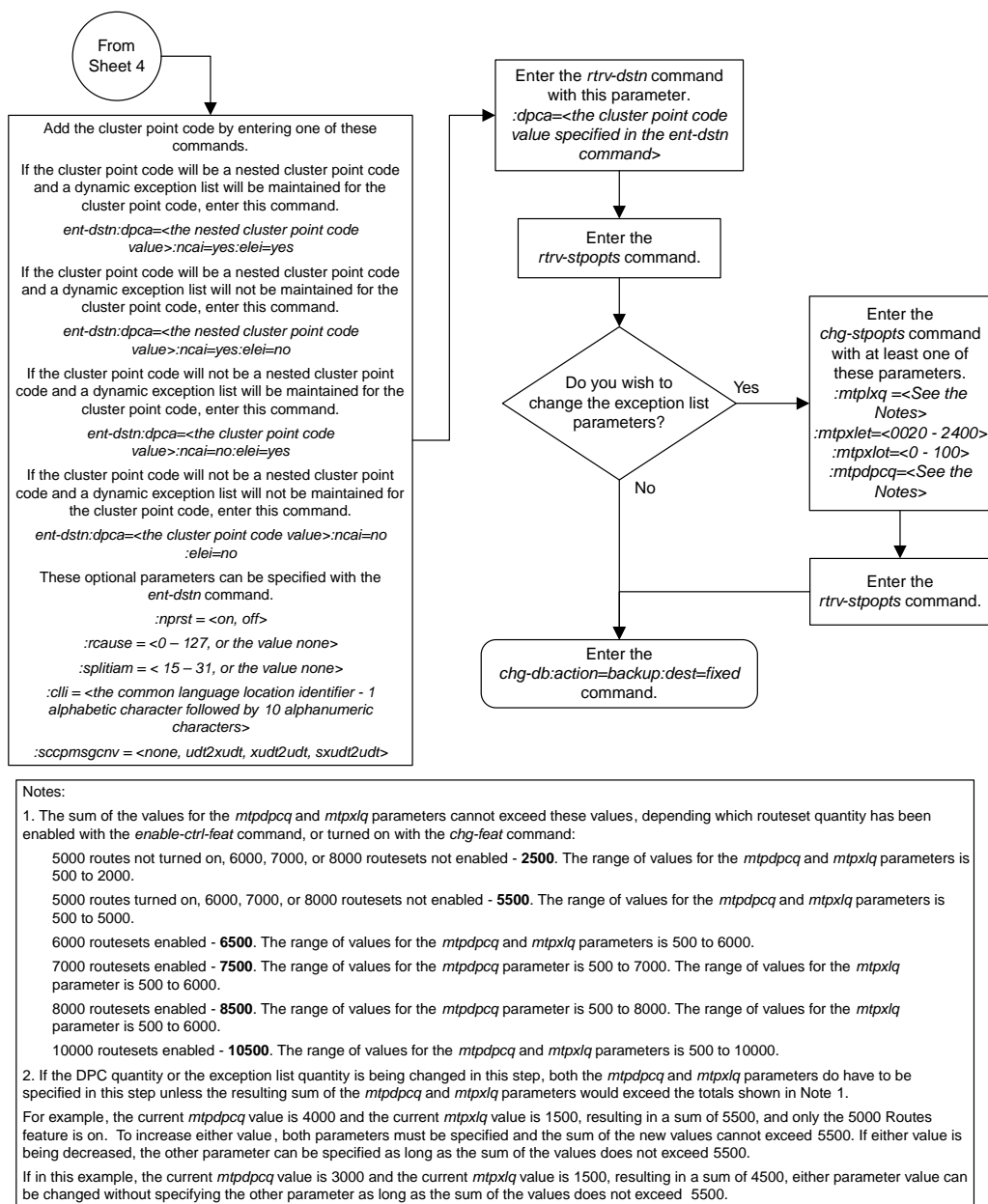
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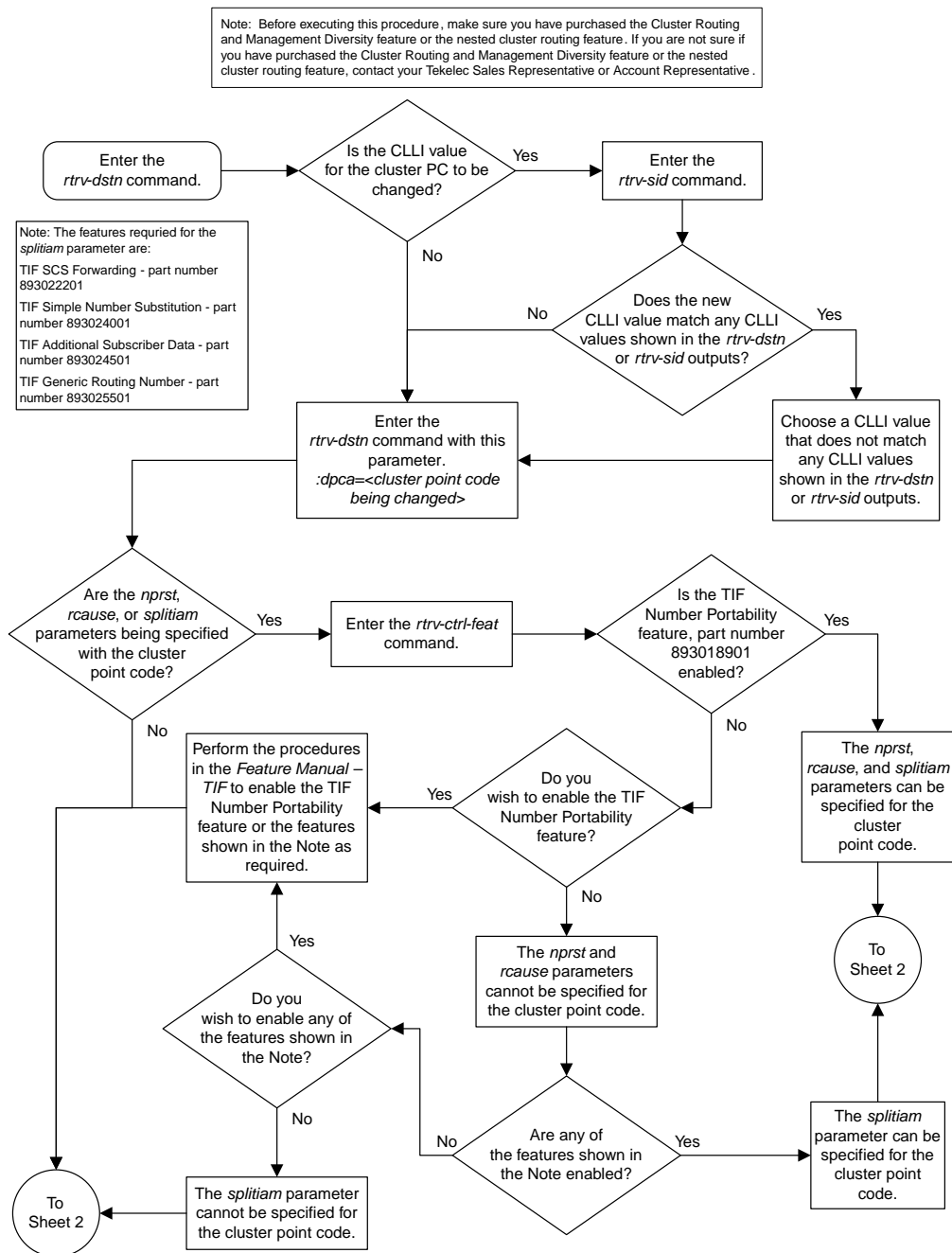
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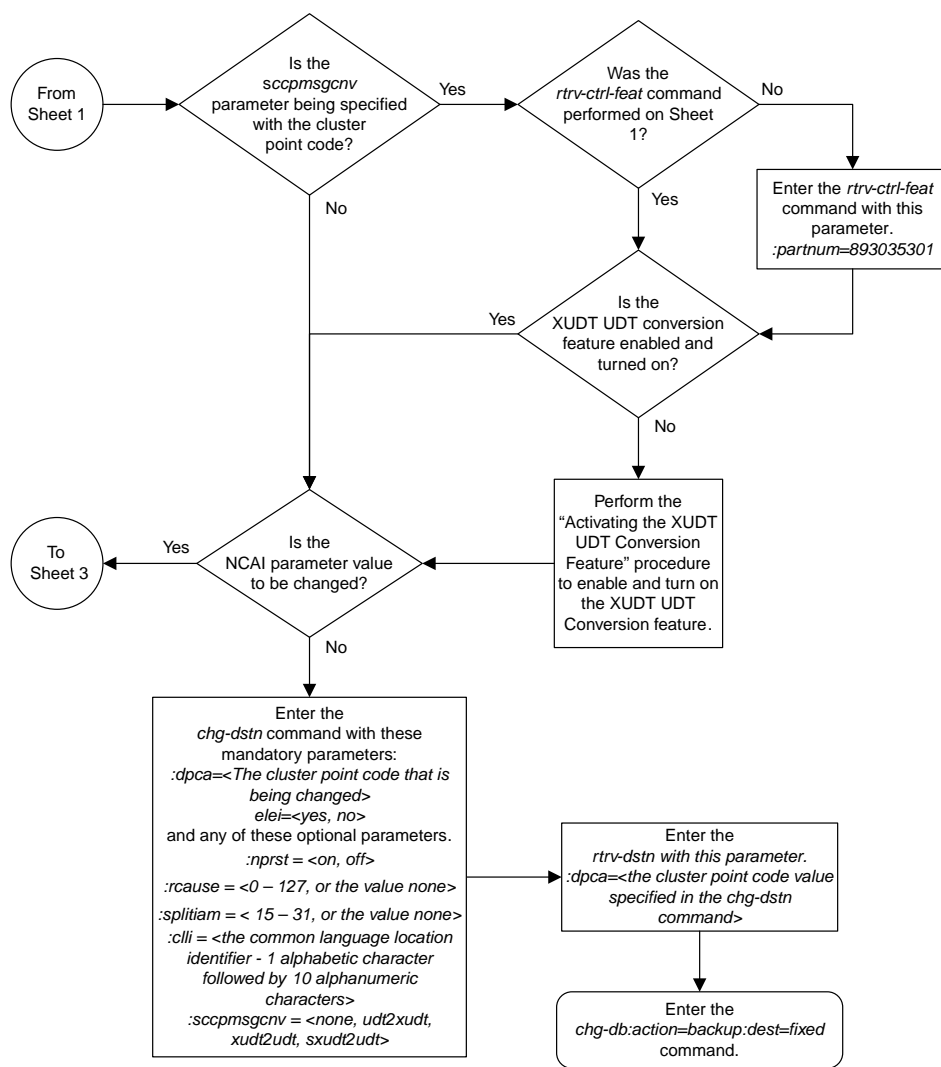


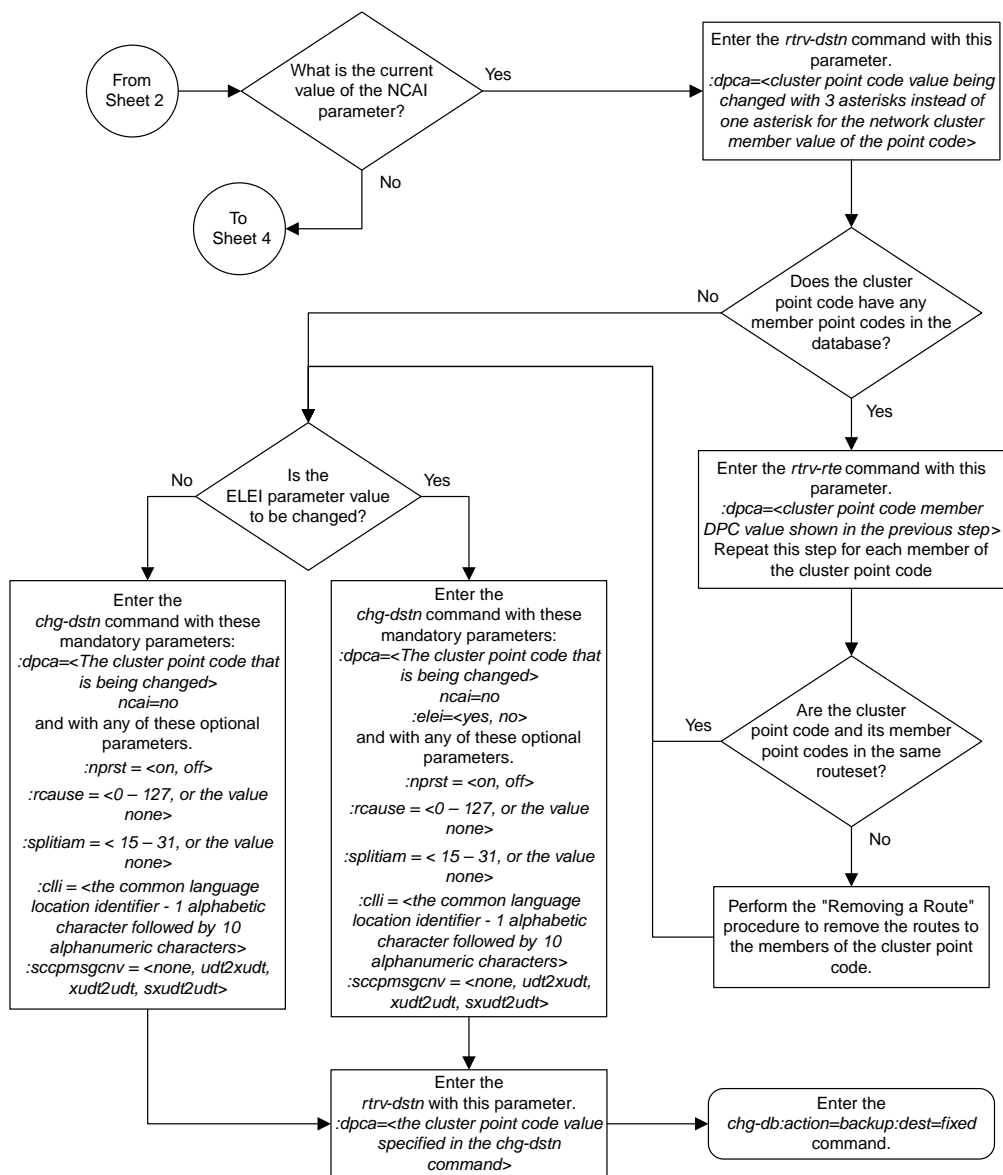
## Changing the Attributes of a Cluster Point Code



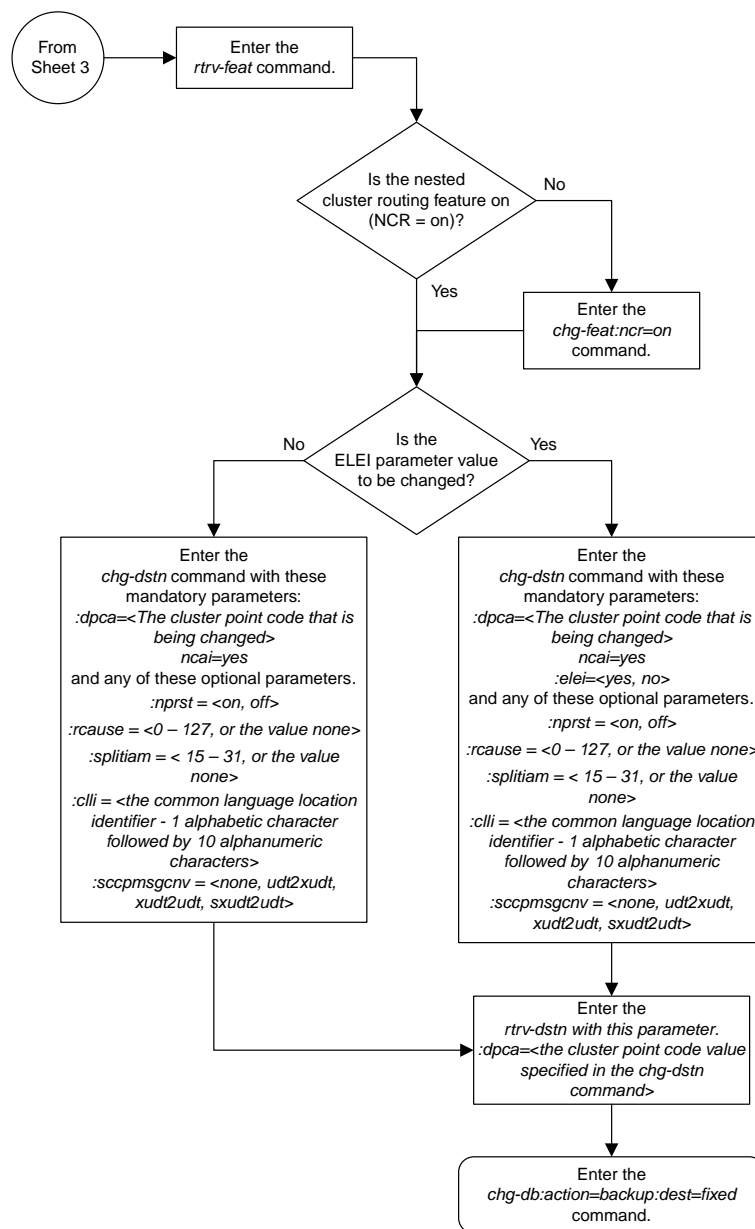
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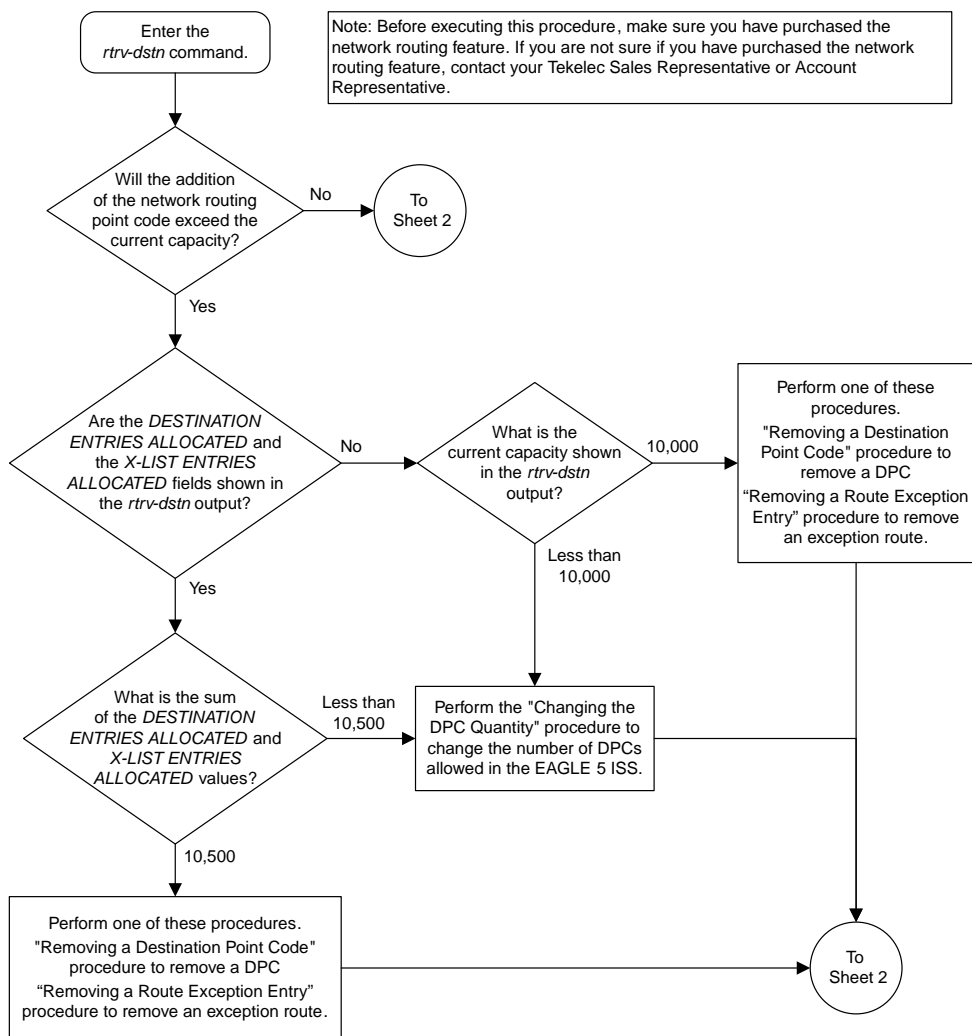




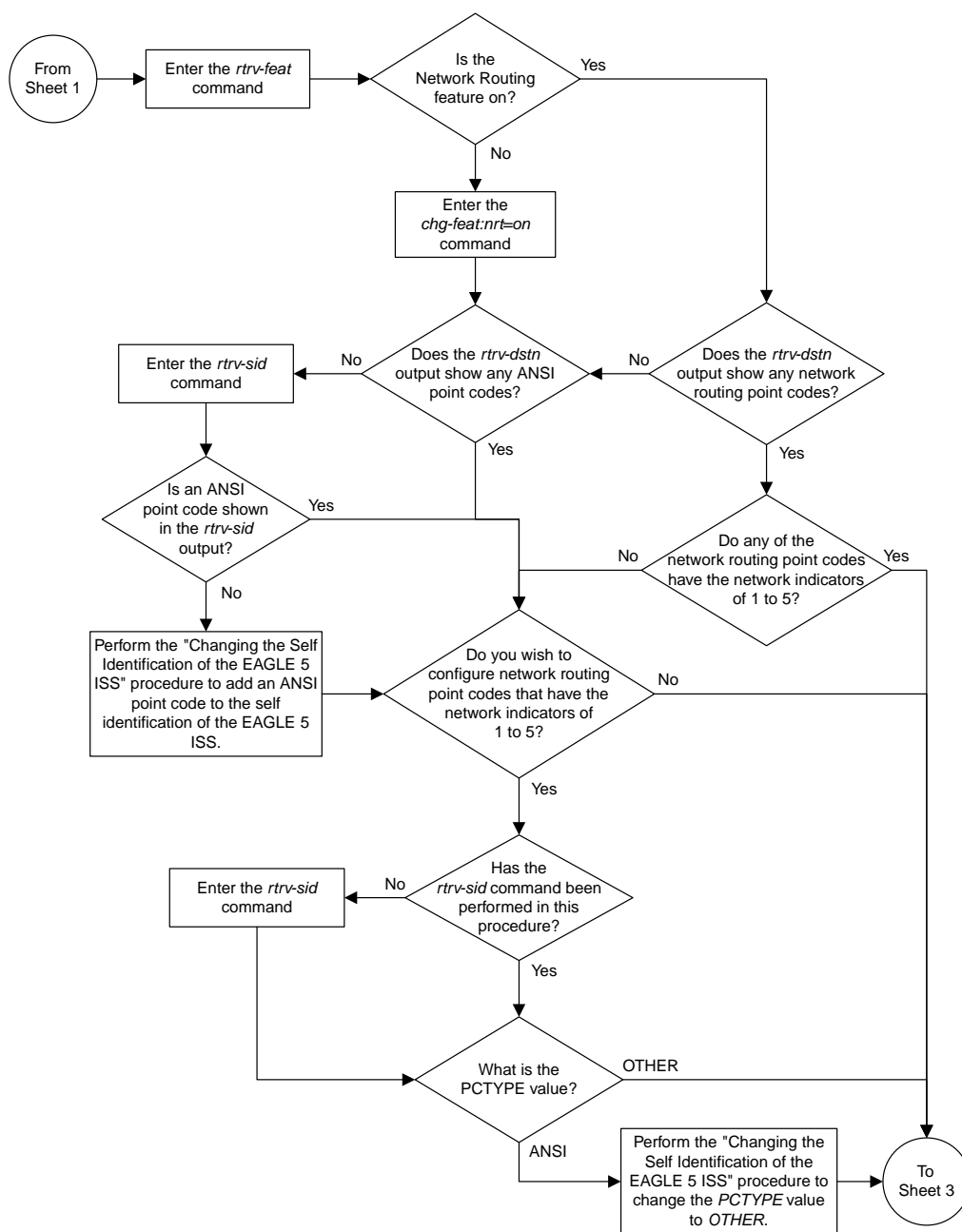
Sheet 3 of 4



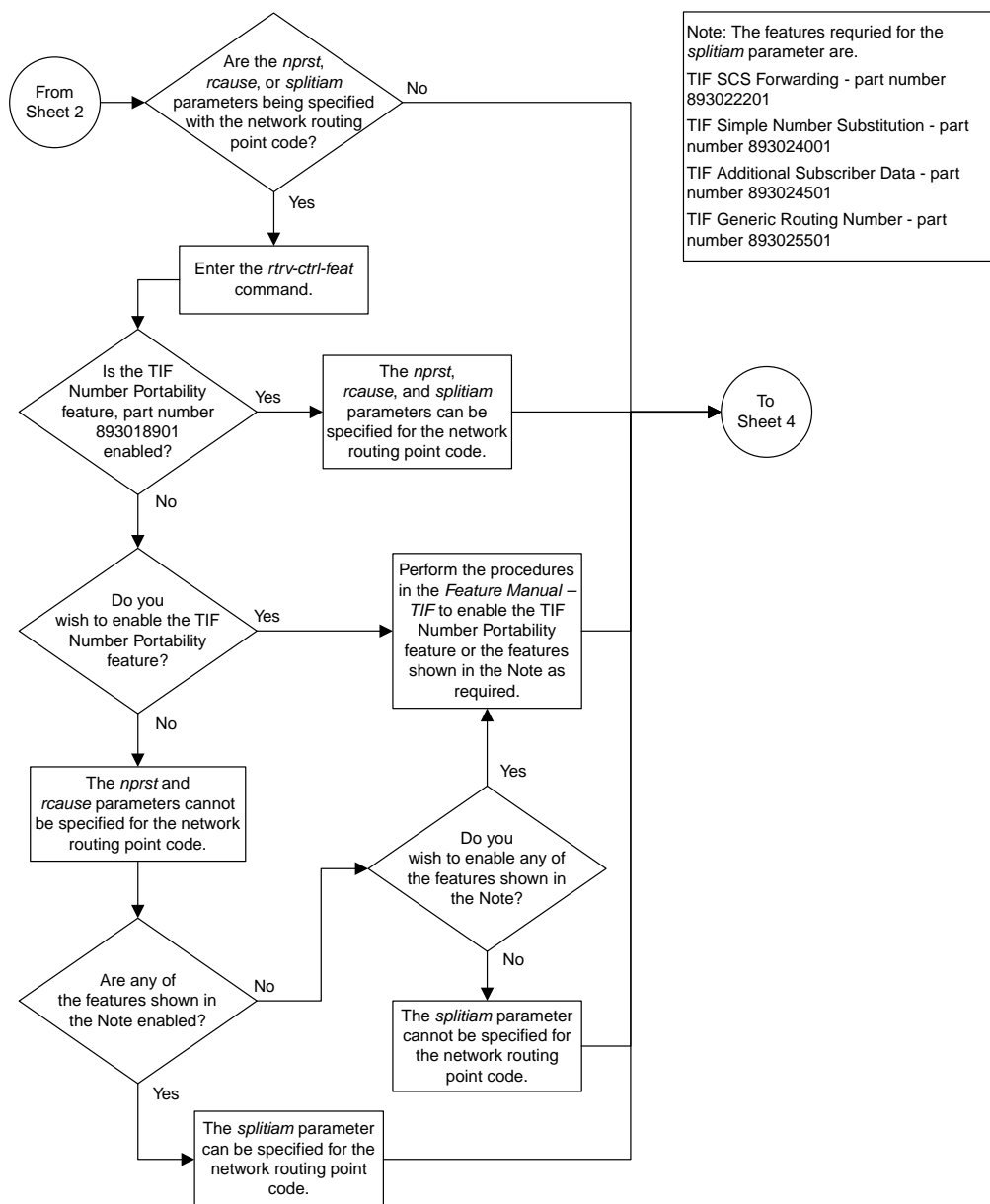
## Adding a Network Routing Point Code



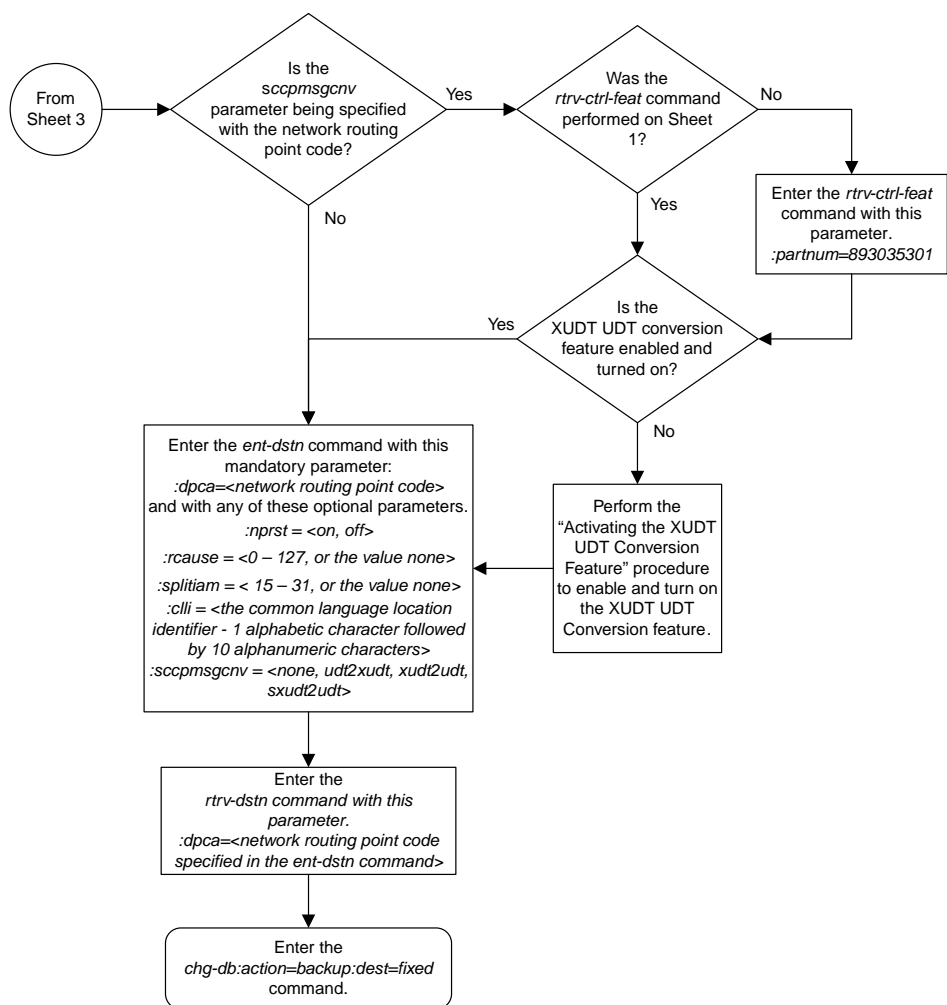
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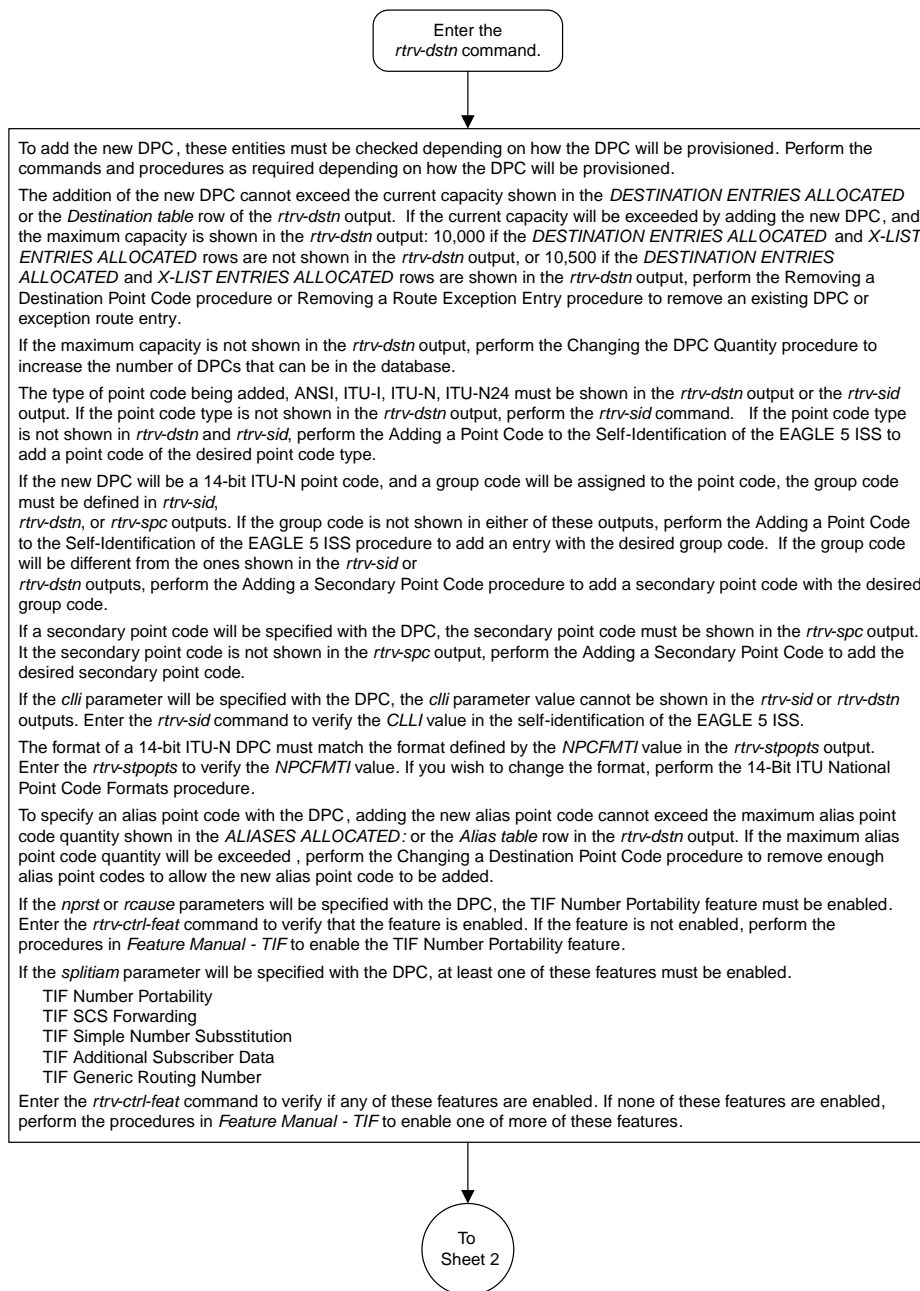
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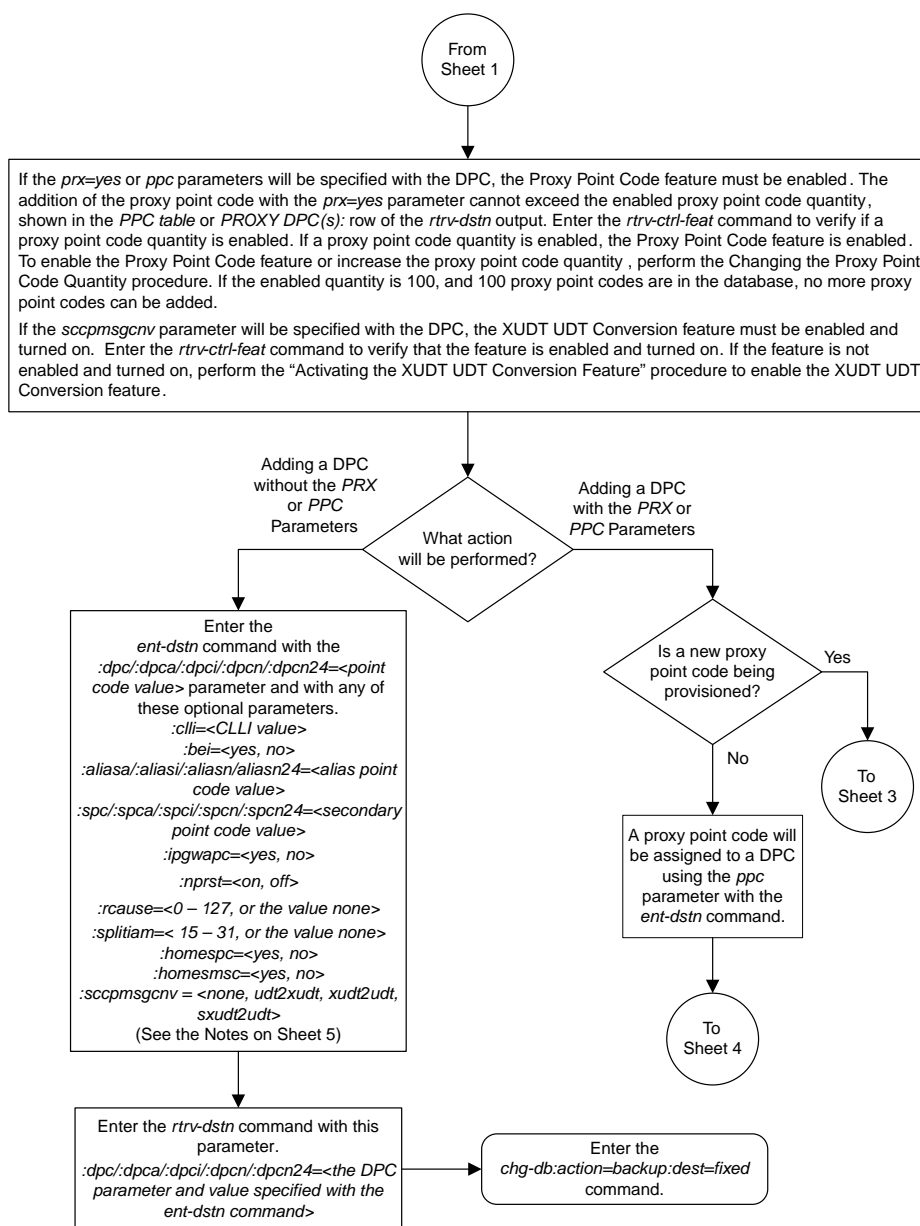
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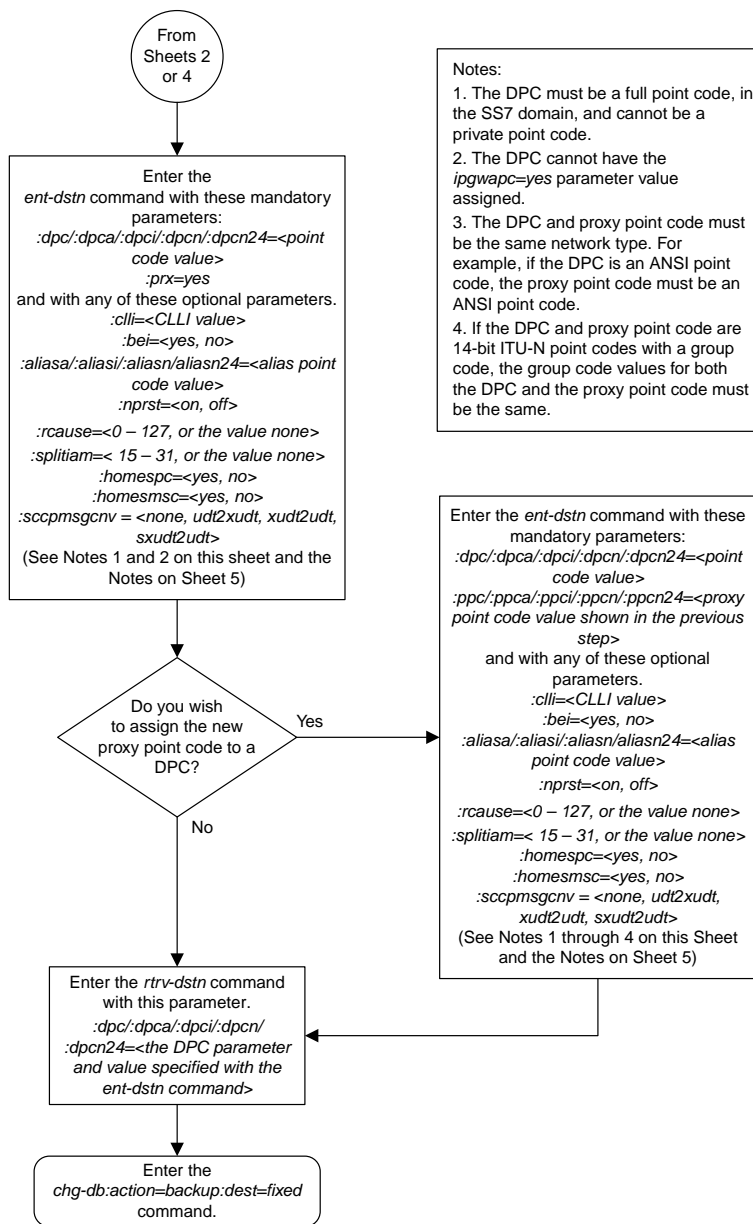


## Adding a Destination Point Code

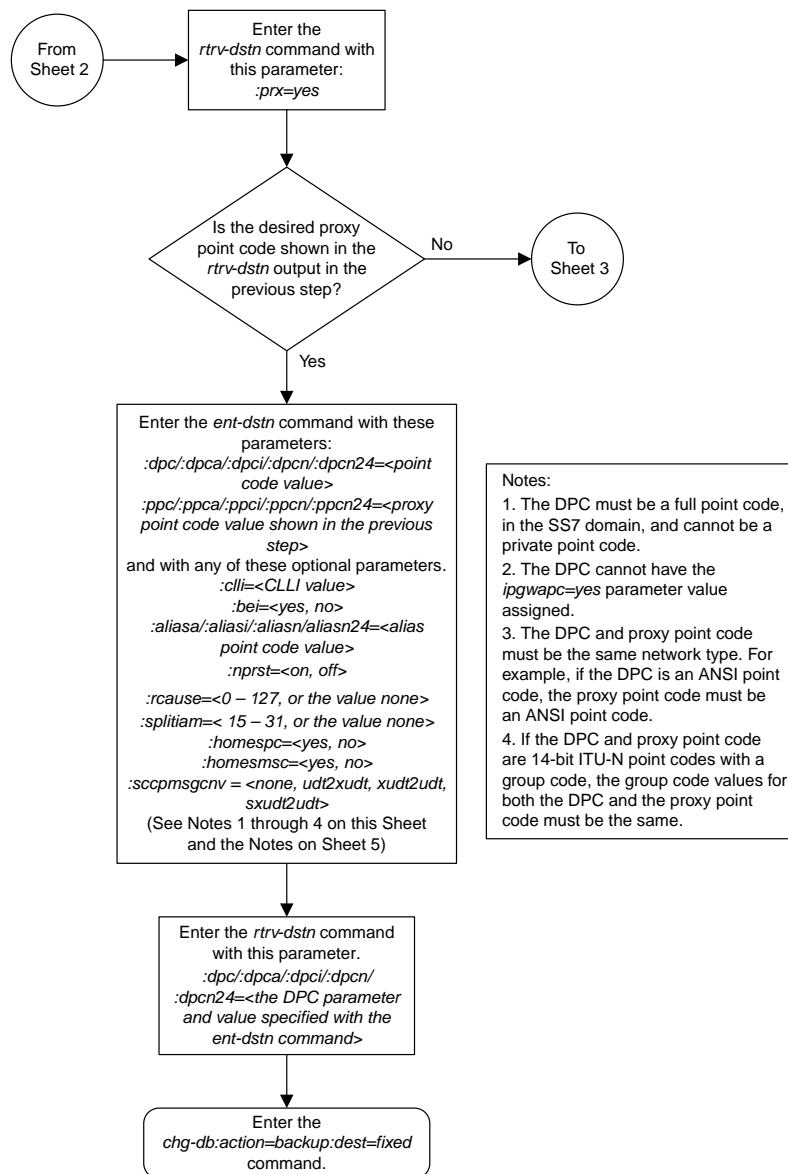








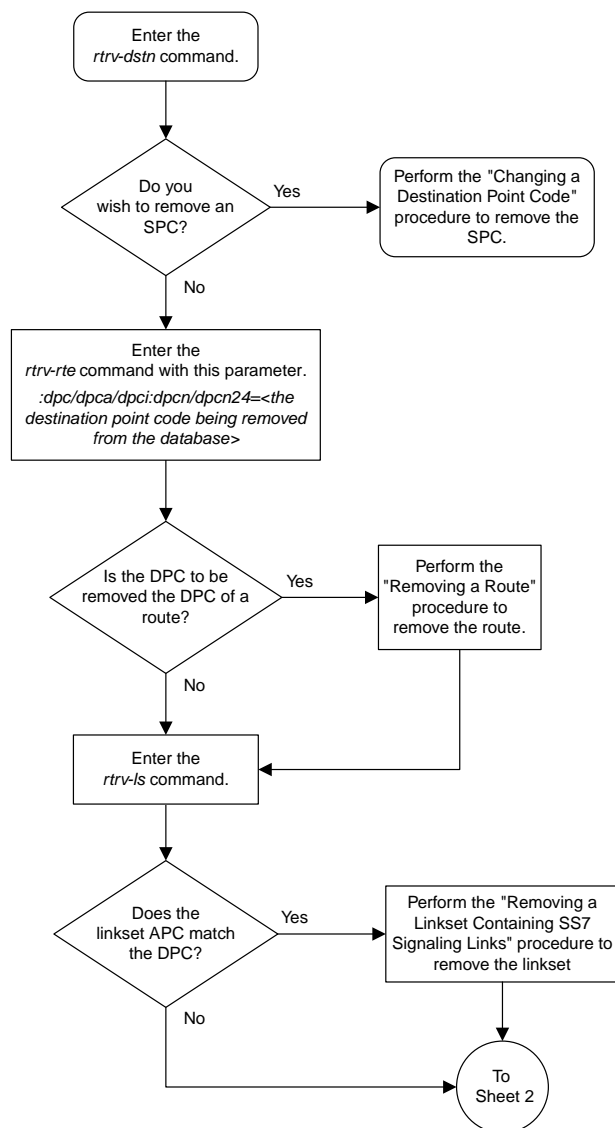
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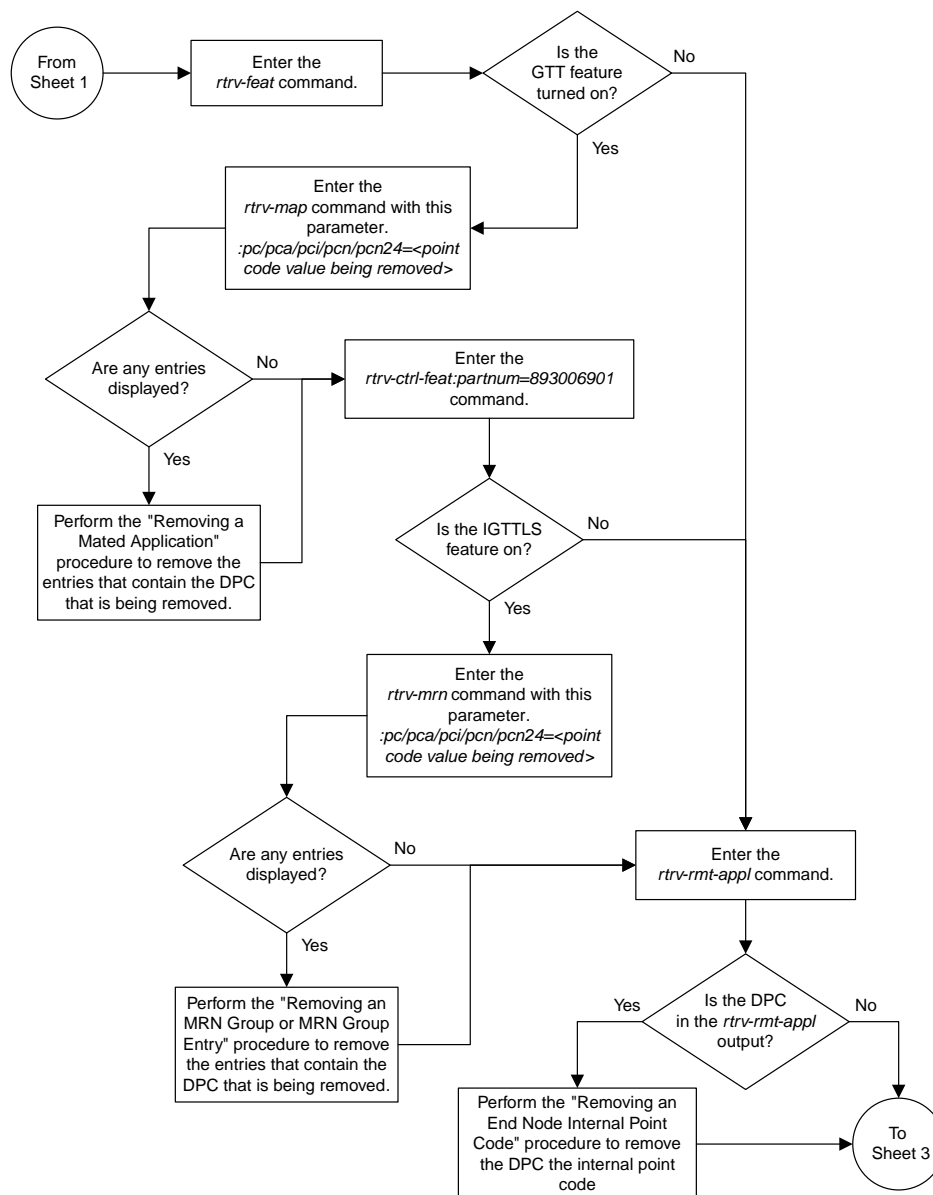
## Notes:

1. The *PCI* and *PCN* columns of the *rtv-sid* output can contain spare and non-spare point code values. To provision ITU-I or 14-bit ITU-N non-spare point codes in this procedure, the *rtv-sid* output must contain non-spare point codes (ITU-I non-spare point code in the *PCI* column and 14-bit ITU-N non-spare point code in the *PCN* column). To provision ITU-I or 14-bit ITU-N spare point codes in this procedure, the *rtv-sid* output must contain spare point codes (ITU-I spare point code in the *PCI* column and 14-bit ITU-N spare point code in the *PCN* column).
2. The *:dpci/:dpci/:dpci/:dpci/:dpci24*, *:alias/:alias/:alias/:alias24*, *:spci/:spci/:spci/:spci24* and *:ppci/:ppci/:ppci/:ppci24* parameters are used to provision either ANSI, ITU-I, 14-bit ITU-N, or 24-bit ITU-N point codes.
  - :dpci/:dpci*, *:spci/:spci*, *:alias*, *:ppci/ppci* = ANSI DPC, private ANSI DPC, SPC, alias point code, proxy point code
  - :dpci*, *:spci*, *:alias*, *:ppci* = ITU-I DPC (non-spare point code, spare point code, private point code, private spare point code), SPC (non-spare or spare point code), alias point code (non-spare or spare point code), proxy point code
  - :dpci*, *:spci*, *:alias*, *:ppci* = 14-bit ITU-N DPC (non-spare point code, spare point code, private point code, private spare point code), SPC (non-spare or spare point code), alias point code (non-spare or spare point code), proxy point code
  - :dpci24*, *:spci24*, *:alias24*, *:ppci24* = 24-bit ITU-N DPC, private 24-bit ITU-N DPC, SPC, alias point code, proxy point code
3. The network type of alias point codes cannot be the same as the network type of the DPC.
  - If the DPC is ANSI, then either ITU-I or ITU-N (14-bit or 24-bit) alias point codes can be assigned.
  - If the DPC is ITU-I, then either ANSI or ITU-N (14-bit or 24-bit) alias point codes can be assigned.
  - If the DPC is either a 14-bit or a 24-bit ITU-N, then either ITU-I or ANSI alias point codes can be assigned.
4. The system can contain 14-bit ITU-N point codes or 24-bit ITU-N point codes, but not both at the same time.
5. The network type of an SPC must be the same as the network type of the DPC.
6. The alias point code and SPC value must be full point codes.
7. The alias point code value cannot be shown in the *rtv-dstn* output.
8. The NI and NC values of an ANSI point code cannot be the same as the NI and NC values of any cluster point code shown in the *rtv-dstn* output.
9. The *rtv-sid* output must show values in the *PCA*, *PCI*, *PCN*, or *PCN24* fields before a DPC of the network type corresponding to these fields can be added.
10. The DPC or CLLI value being added cannot be shown in the *rtv-sid* output.
11. The DPC being added cannot be an alias point code.
12. The SPC value must be show in the *rtv-spc* output.
13. If a 14-bit ITU-N DPC is being added and the ITU Duplicate Point Code feature is on, and no SPC are being assigned the DPC, the group code assigned to the DPC must be the same as the group code value shown in the *PCN* field of the *rtv-sid* output.
14. If a 14-bit ITU-N DPC is being added and the ITU Duplicate Point Code feature is on, and an SPC is being assigned the DPC, the group code assigned to the DPC must be the same as the group code assigned to the SPC.
15. The format of 14-bit ITU-N point codes must match the format defined by the *NPCFMTI* value of the *rtv-stpopts* output.
16. The *ipgwapc* parameter can be used only for ANSI DPCs that will be used to define the IP gateway APC of a linkset.
17. The default value for the *domain* parameter is *ss7*, and the default value for the *bei* parameter is *no*.
18. The EAGLE 5 ISS can contain these quantities of alias point codes depending the features that are enabled or turned on.
  - 5000 routes is not turned on, 6000, 7000, 8000, or 10,000 routesets is not enabled – 12,000 alias point codes
  - 5000 routes is turned on, 6000, 7000, 8000, or 10,000 routesets is not enabled – 12,000 alias point codes
  - 6000 routesets are enabled – 12,000 alias point codes
  - 7000 routesets are enabled – 8000 alias point codes
  - 8000 routeset are enabled – 8000 alias point codes
  - 10,000 routesets are enabled – 10,000 alias point codes
 The number of alias point codes is shown in the *ent-dstn* and *rtv-dstn* outputs.
19. The type of alias point code that can provisioned is dependent on the type of DPC that is being provisioned. Refer to the Destination Point Code and Alias Point Code Type Combinations table in the "Adding a Destination Point Code" procedure locate d in the *Database Administration Manual – SS7* for the alias point code parameter combinations.
20. The default value for the *scpmsgcnv* parameter is *none*.

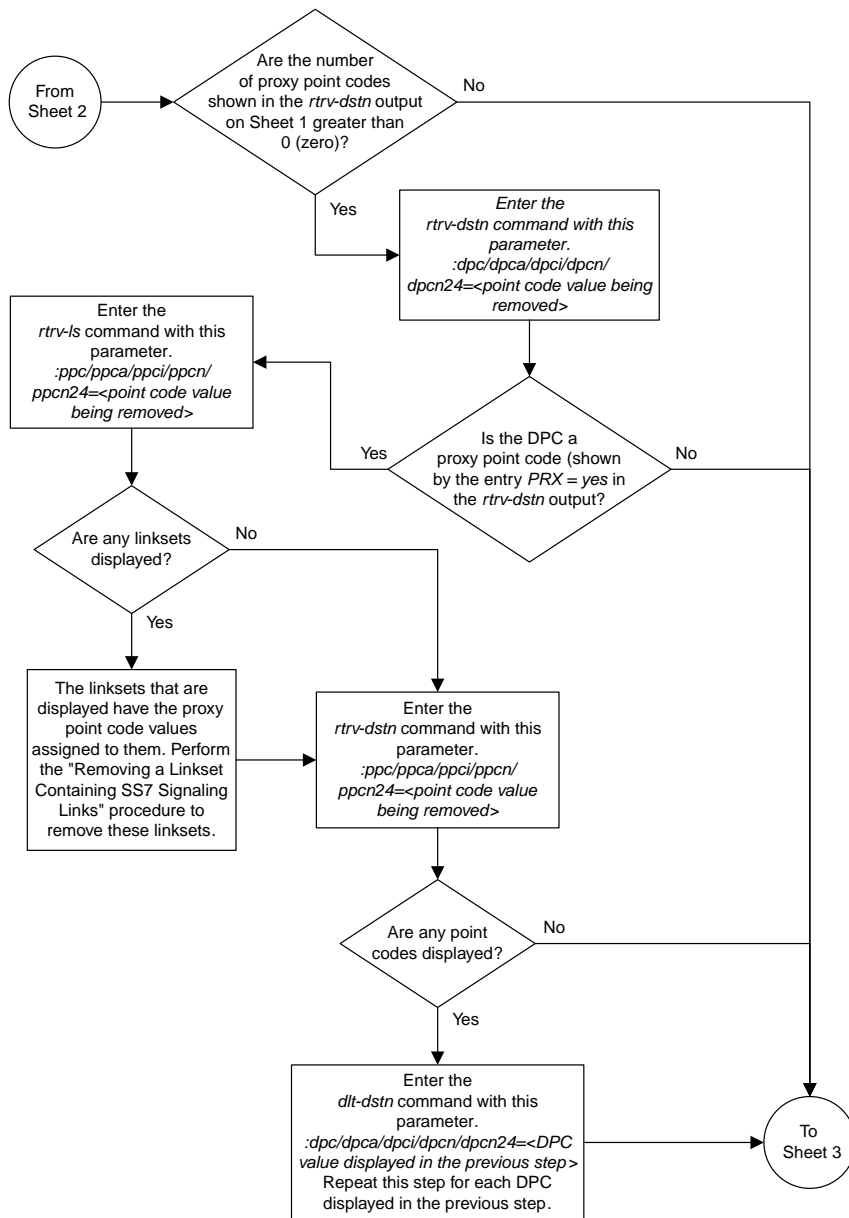
## Removing a Destination Point Code



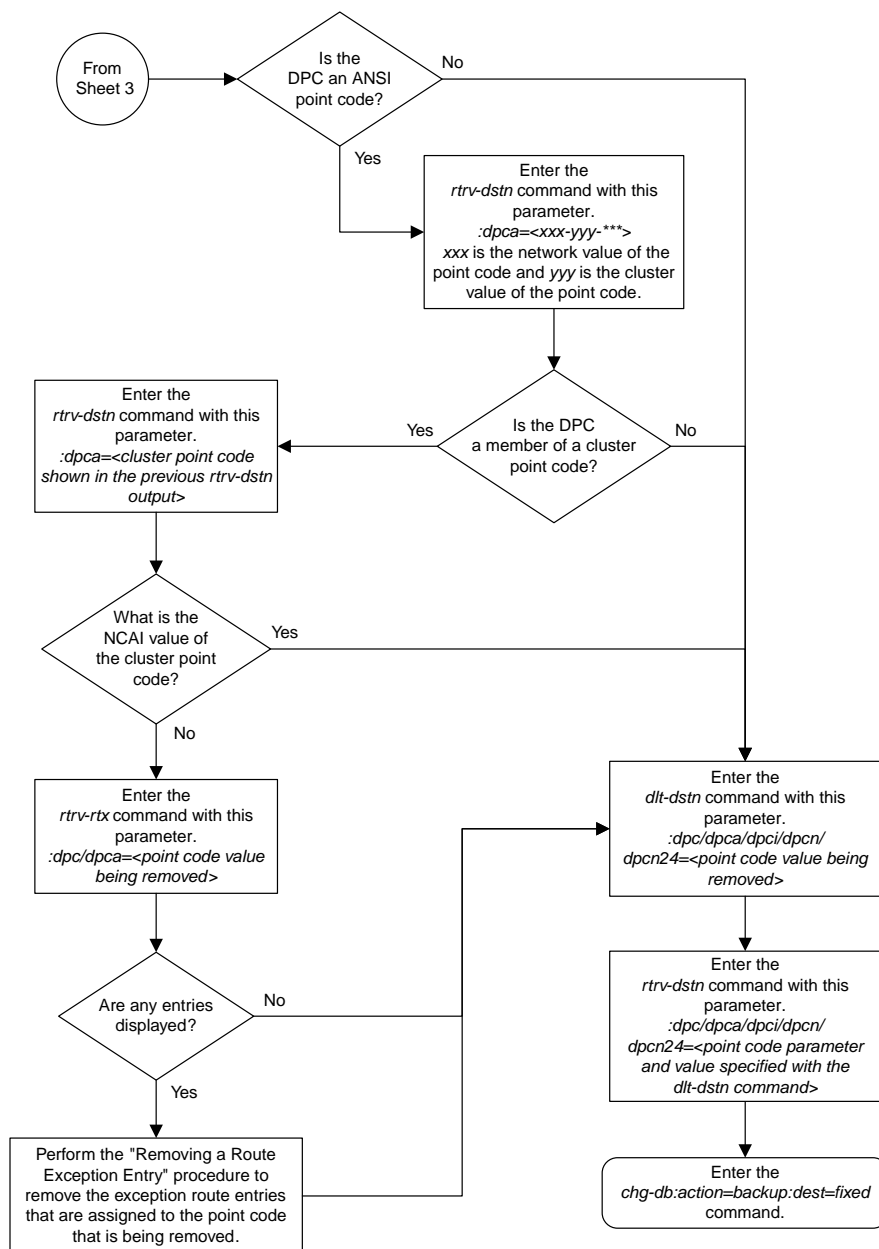
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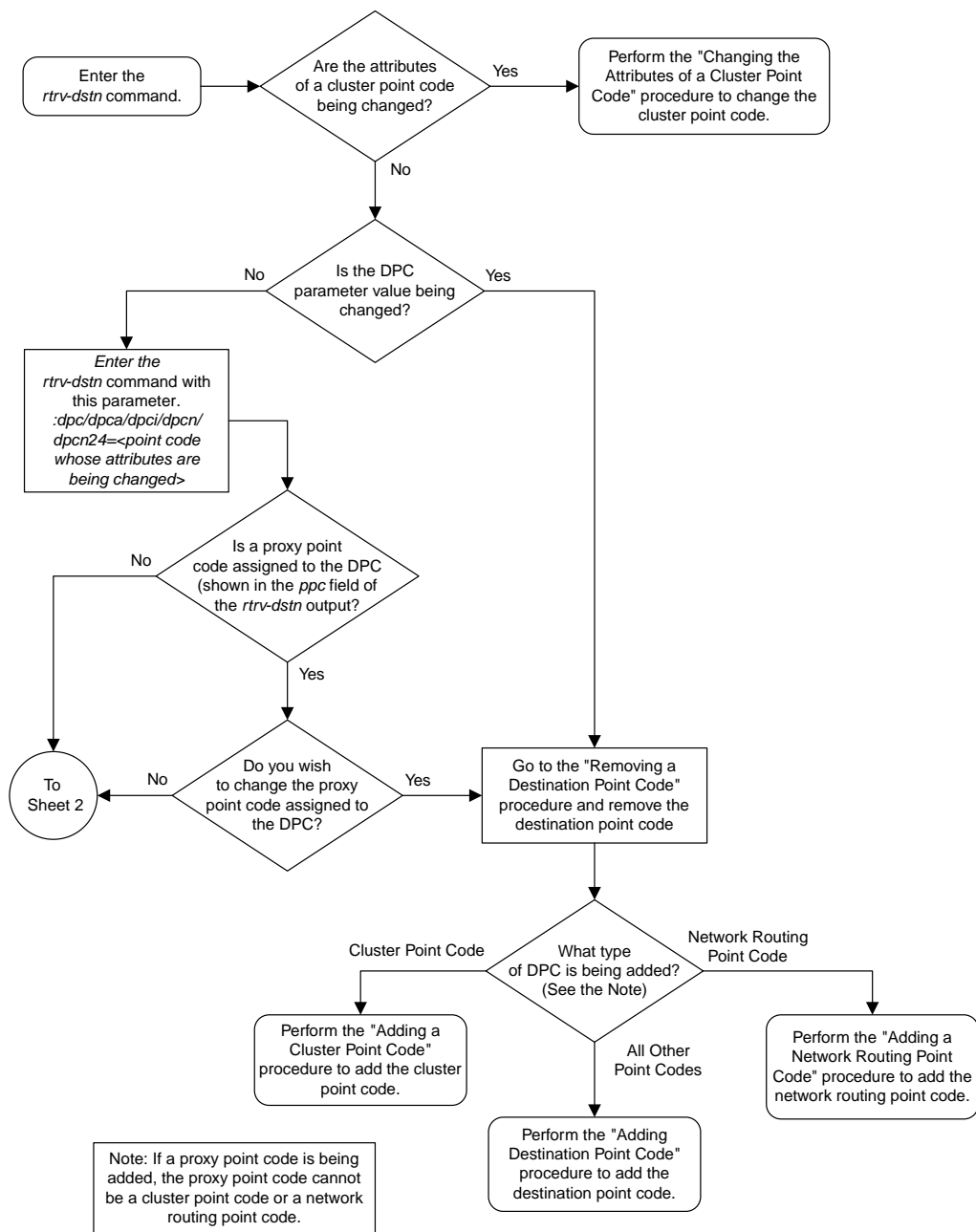
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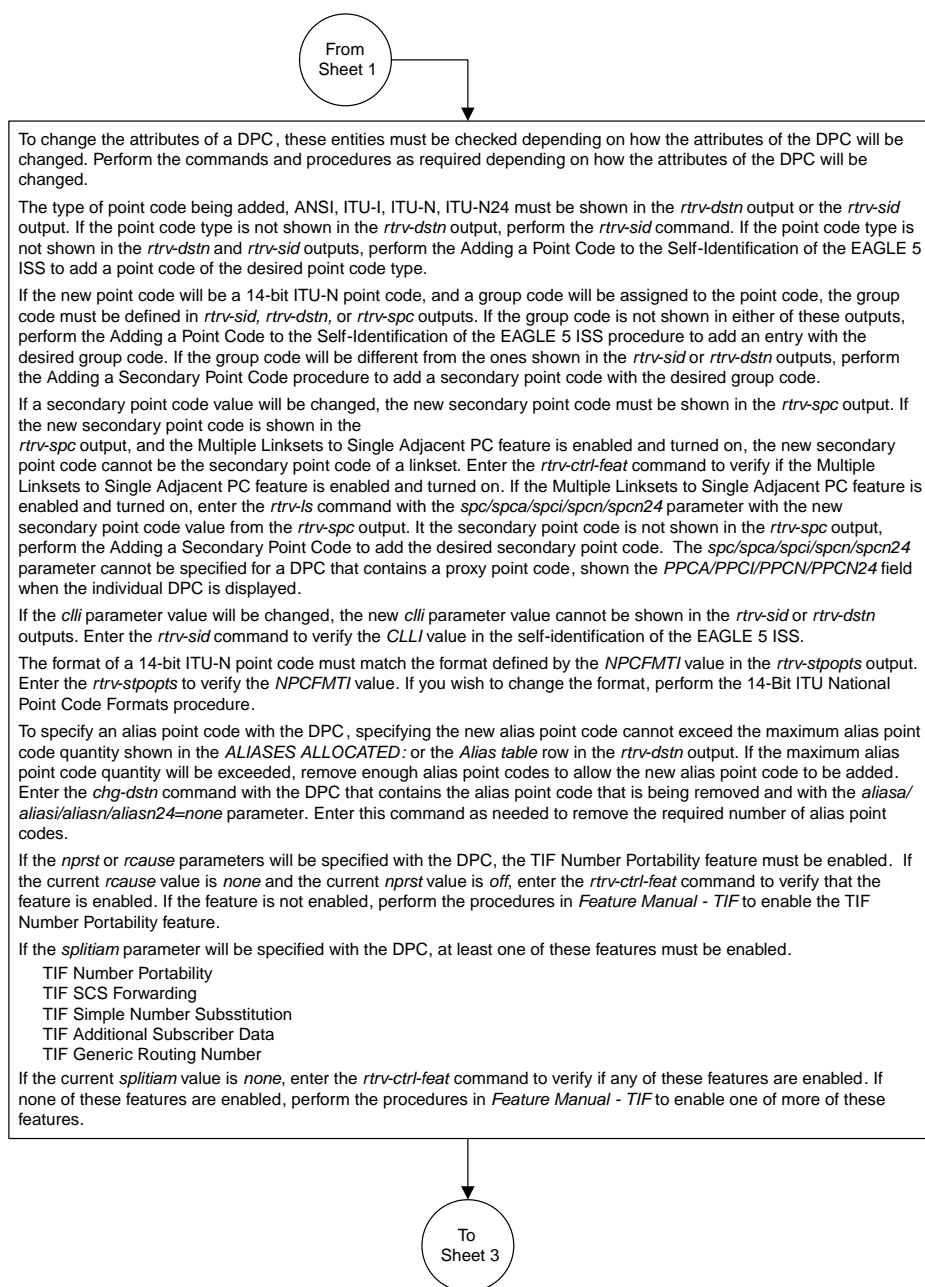
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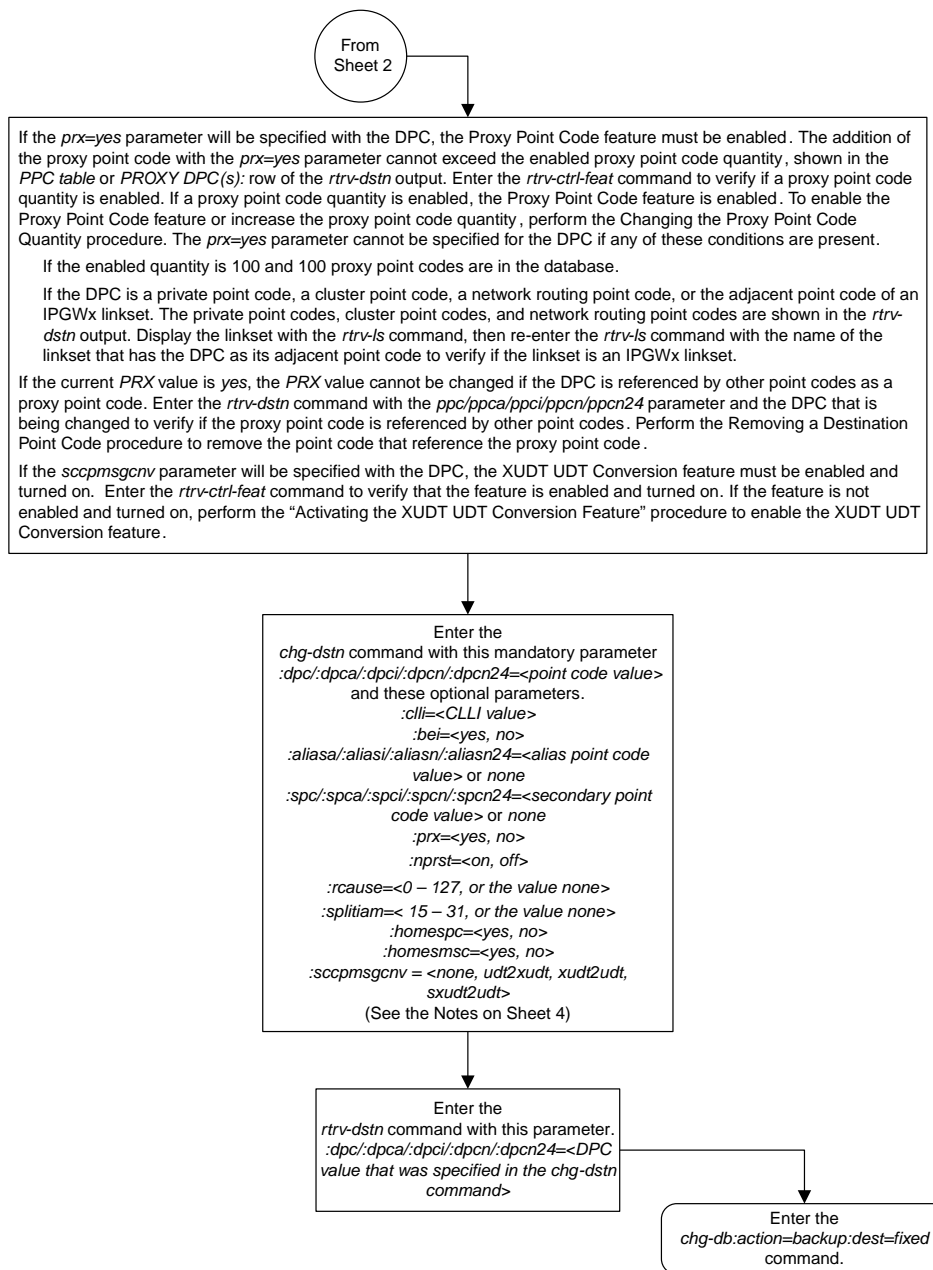
## Changing a Destination Point Code



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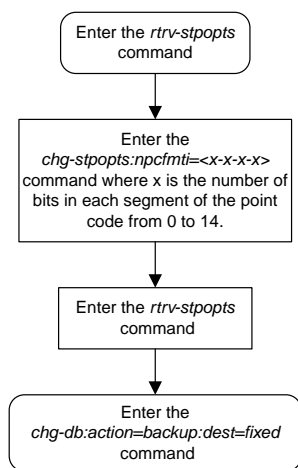
Sheet 2 of 4



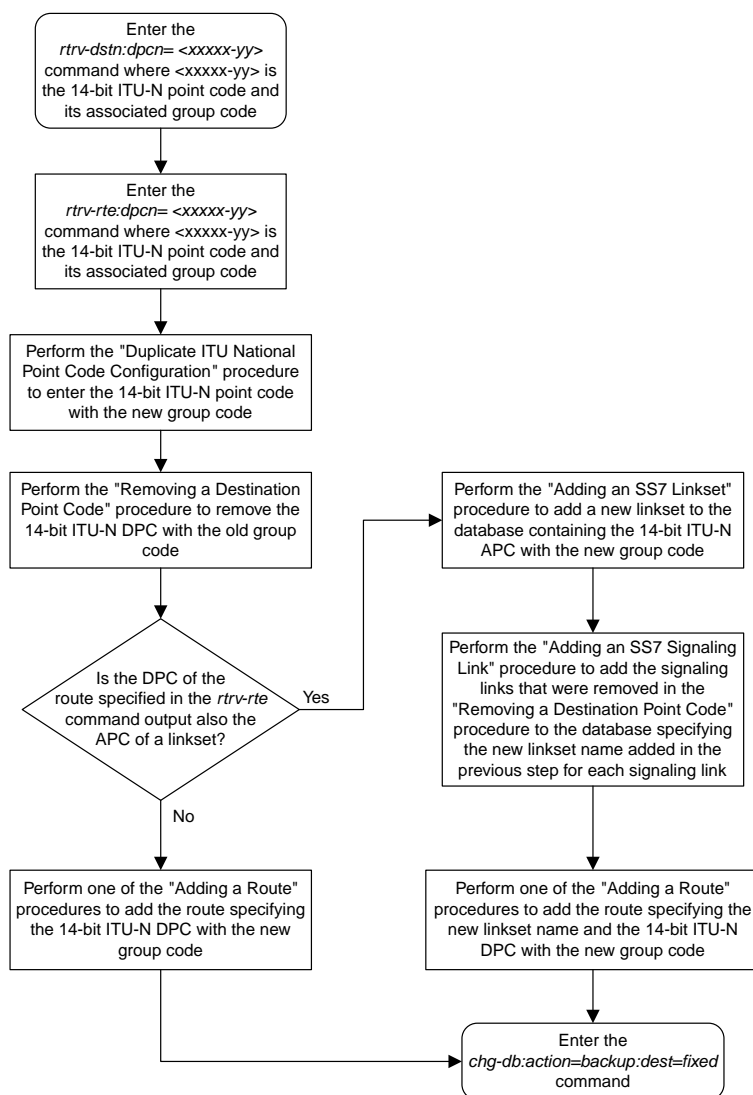
## Notes:

1. One or more optional parameters must be specified
2. The values for parameters not specified with the *chg-dstn* command will not be changed.
3. The *:dpci:dpci*, *:dpci:dpci*, *:dpci:dpci*, *:aliasa:aliasa*, *:aliasa:aliasa*, and *:spci:spci* parameters are used to provision either ANSI, ITU-I, 14-bit ITU-N, or 24-bit ITU-N point codes.  
*:dpci:dpci*, *:spci:spci*, *:aliasa* = ANSI DPC, private ANSI DPC, SPC, alias point code  
*:dpci*, *:spci*, *:aliasi* = ITU-I DPC (non-spare point code, spare point code, private point code, private spare point code), SPC (non-spare or spare point code), alias point code (non-spare or spare point code)  
*:dpci*, *:spci*, *:aliasn* = 14-bit ITU-N DPC (non-spare point code, spare point code, private point code, private spare point code), SPC (non-spare or spare point code), alias point code (non-spare or spare point code)  
*:dpci24*, *:spci24*, *:aliasn24* = 24-bit ITU-N DPC, private 24-bit ITU-N DPC, SPC, alias point code
4. The network type of alias point codes cannot be the same as the network type of the DPC.  
 If the DPC is ANSI, then either ITU-I or ITU-N (14-bit or 24-bit) alias point codes can be assigned.  
 If the DPC is ITU-I, then either ANSI or ITU-N (14-bit or 24-bit) alias point codes can be assigned.  
 If the DPC is either a 14-bit or a 24-bit ITU-N, then either ITU-I or ANSI alias point codes can be assigned.
5. The EAGLE 5 ISS can contain 14-bit ITU-N point codes or 24-bit ITU-N point codes, but not both at the same time.
6. The value *none* for the *:aliasa:aliasa*, *:aliasn*, and *:spci:spci* parameters removes the alias point code or SPC from the DPC.
7. The network type of an SPC must be the same as the network type of the DPC.
8. The alias point code and SPC value must be full point codes.
9. The alias point code value cannot be shown in the *rtrv-dstn* output.
10. The NI and NC values of an ANSI point code cannot be the same as the NI and NC values of any cluster point code shown in the *rtrv-dstn* output.
11. The *rtrv-sid* output must show values in the PCA, PCI, PCN, or PCN24 fields before a DPC of the network type corresponding these fields can be added.
12. The CLLI value being added cannot be shown in the *rtrv-sid* output.
13. The SPC value must be show in the *rtrv-spc* output.
14. If a 14-bit ITU-N DPC is being added and the ITU Duplicate Point Code feature is on, and no SPC is being assigned the DPC, the group code assigned to the DPC must be the same as the group code value shown in the PCN field of the *rtrv-sid* output.
15. If a 14-bit ITU-N DPC is being added and the ITU Duplicate Point Code feature is on, and an SPC is being assigned the DPC, the group code assigned to the DPC must be the same as the group code assigned to the SPC.
16. The format of 14-bit ITU-N point codes must match the format defined by the NPCFMTI value of the *rtrv-stpopts* output.
17. The EAGLE 5 ISS can contain these quantities of alias point codes depending the features that are enabled or turned on.  
 5000 routes is not turned on, 6000, 7000, 8000, or 10,000 routesets is not enabled – 12,000 alias point codes  
 5000 routes is turned on, 6000, 7000, 8000, or 10,000 routesets is not enabled – 12,000 alias point codes  
 6000 routesets are enabled – 12,000 alias point codes  
 7000 routesets are enabled – 8000 alias point codes  
 8000 routeset are enabled – 8000 alias point codes  
 10,000 routesets are enabled – 10,000 alias point codes  
 The number of alias point codes is shown in the *chg-dstn* and *rtrv-dstn* outputs.
18. To change a DPC to a proxy point code with the *prx=yes* parameter, the DPC cannot be a private point code and the DPC cannot be a cluster point code or a network routing point code. The DPC cannot APC of a linkset whose *ipgwapc* parameter value is *yes*.
19. To change a proxy point code to a non-proxy point code with the *prx=no* parameter, the proxy point code cannot be assigned to any linksets or DPCs.
20. An SPC cannot be assigned to a DPC that has a proxy point code assigned to it.
21. The type of alias point code that can provisioned is dependent on the type of DPC that is being provisioned. Refer to the Destination Point Code and Alias Point Code Type Combinations table in the "Changing a Destination Point Code" procedure located in the *Database Administration Manual – SS7* for the alias point code parameter combinations.

## Changing the Format of an ITU National Point Code



## Changing the Group Code Assigned to a 14-Bit ITU National Point Code



# Chapter 17

## SS7 Configuration Flowcharts

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### Topics:

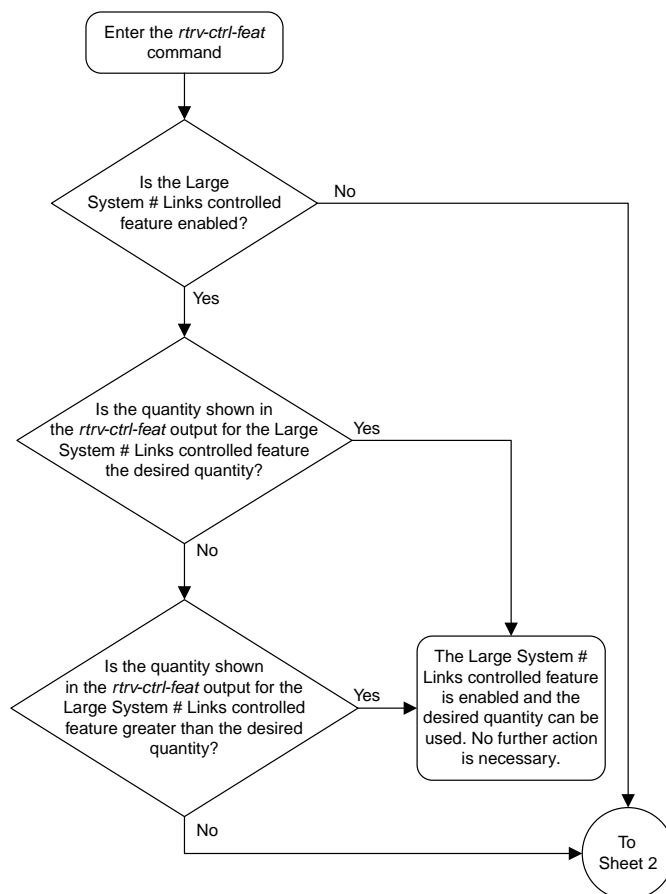
- *Enabling the Large System # Links Controlled Feature.....1009*
- *Adding an SS7 Linkset.....1015*
- *Verifying the Gateway Screening Configuration for a Linkset.....1017*
- *Configuring the MTP Restart Feature.....1019*
- *Configuring the 5-Bit to 8-Bit SLS Conversion Feature.....1020*
- *Using Proxy Point Codes and Secondary Point Codes when Adding a Linkset.....1022*
- *Activating the SLS Bit Rotation by Incoming Linkset Feature.....1029*
- *Configuring the RSLs8 Value for ANSI Linksets.....1033*
- *Removing a Linkset Containing SS7 Signaling Links.....1034*
- *Changing an SS7 Linkset.....1041*
- *Verifying the New Adjacent Point Code or New Secondary Point Code for a Linkset.....1044*
- *Using the MULTGC Parameter when Changing the Attributes of a Linkset.....1052*
- *Configuring an ITU Linkset with a Secondary Adjacent Point Code (SAPC).....1055*
- *Adding an SS7 Signaling Link.....1061*
- *Removing an SS7 Signaling Link.....1064*
- *Adding a Route Containing an SS7 DPC.....1066*
- *Adding a Route Containing a Cluster Point Code.....1073*
- *Adding a Route Containing an IPGWx Linkset.....1076*
- *Removing a Route.....1080*
- *Changing a Route.....1088*
- *Changing Level 2 Timers.....1096*

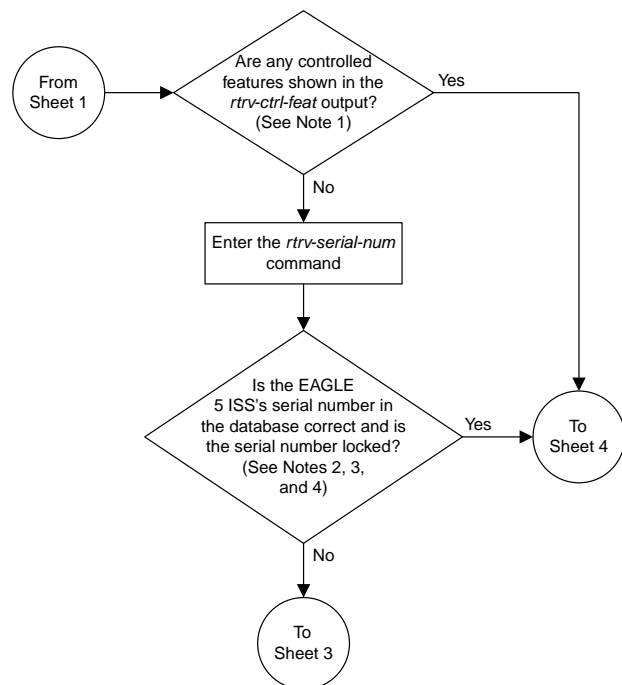
This chapter contains the flowcharts for the procedures that are used to configure linksets, signaling links, routes, and other miscellaneous items to support the SS7 network. These procedures are located in the *Database Administration Manual - SS7*.

- *Changing Level 3 Timers.....1097*
- *Changing a Signaling Link Test Message.....1098*
- *Configuring Circular Route Detection.....1099*
- *Configuring the TFA/TFR Pacing Rate.....1100*
- *Configuring the Frequency of RST Messages on Low Priority Routes.....1101*
- *Adding Remote Loopback Points.....1102*
- *Removing Remote Loopback Points.....1103*
- *Changing Remote Loopback Points.....1104*
- *Configuring the System for Random SLS Generation.....1105*
- *Configuring the Options for the TDM Global Timing Interface.....1108*
- *Configuring the Restricted Linkset Option....1110*
- *Configuring the Options for Handling TFCs on ITU-I and ITU-N Networks.....1112*
- *Changing the High-Capacity Card Temperature Alarm Thresholds.....1113*
- *Activating the Origin-Based MTP Routing Feature.....1114*
- *Configuring the Origin-Based MTP Routing SCCP OPC Option.....1118*
- *Adding an Exception Route Entry.....1119*
- *Removing a Route Exception Entry.....1129*
- *Changing a Route Exception Entry.....1134*
- *Activating the Circular Route Auto-Recovery Feature.....1142*
- *Turning the Circular Route Auto-Recovery Feature Off.....1145*
- *Activating the Enhanced Far-End Loopback Detection Feature.....1146*
- *Turning the Enhanced Far-End Loopback Detection Feature Off.....1149*
- *Activating the Multiple Linksets to Single Adjacent PC (MLS) Feature.....1150*
- *Configuring the ITU Linkset NI Mapping Options.....1154*
- *Configuring the Option for Handling Message Priorities for Messages Crossing into ITU-I and ITU-N Networks.....1155*
- *Activating the 6-Way Loadsharing on Routesets Feature.....1156*

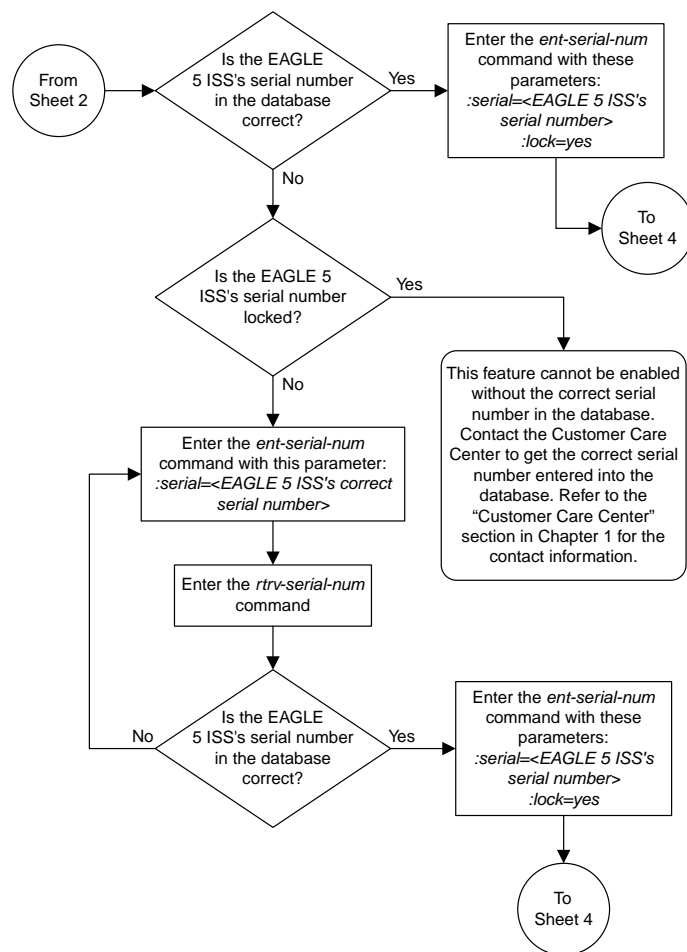


## Enabling the Large System # Links Controlled Feature

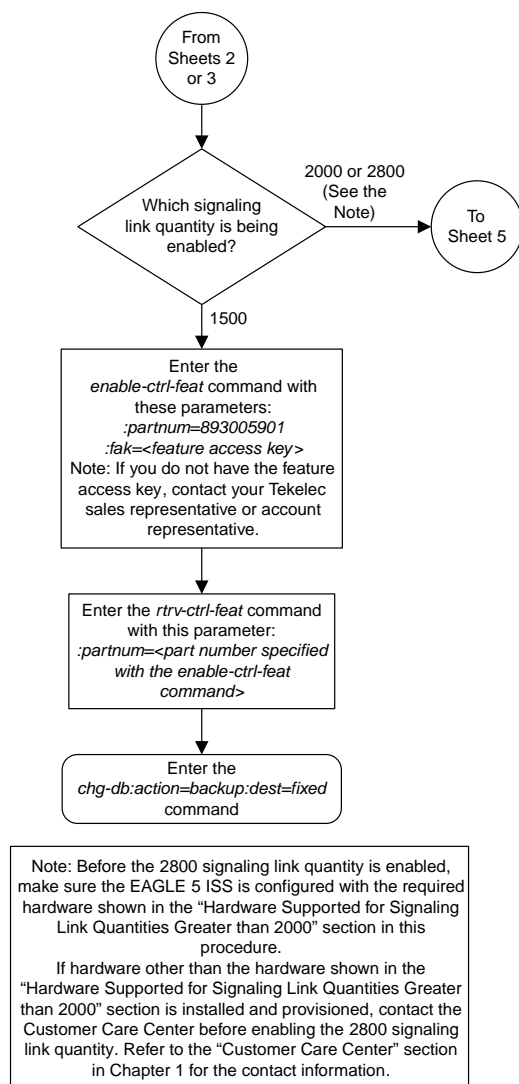


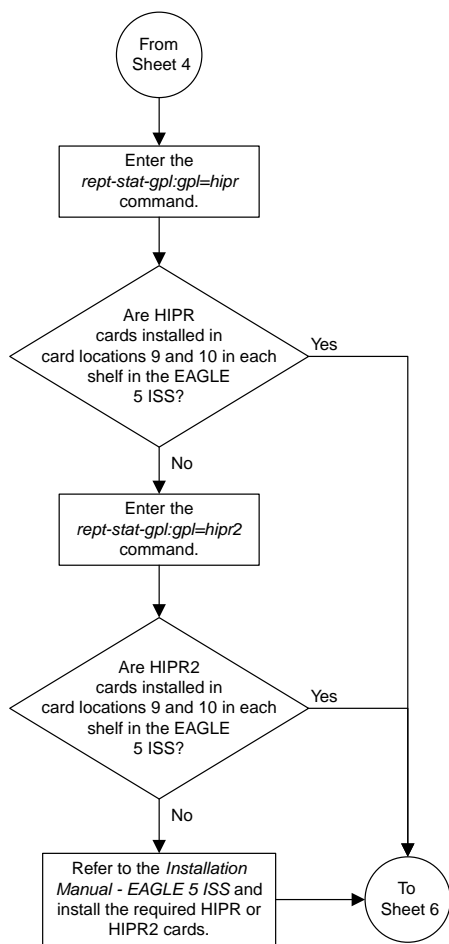
**Notes:**

1. If the *rtrv-ctrl-feat* output shows only the HC -MIM SLK Capacity feature with a quantity of 64, the answer to this question is no and the Eagle 5 ISS's serial number must be verified. This is the default entry for the *rtrv-ctrl-feat* output. This entry is shown whether or not the Eagle 5 ISS's serial number is in the database.
2. If the serial number is locked, it cannot be changed.
3. If the serial number is not locked, the controlled feature cannot be enabled.
4. The serial number can be found on a label affixed to the control shelf (shelf 1100).

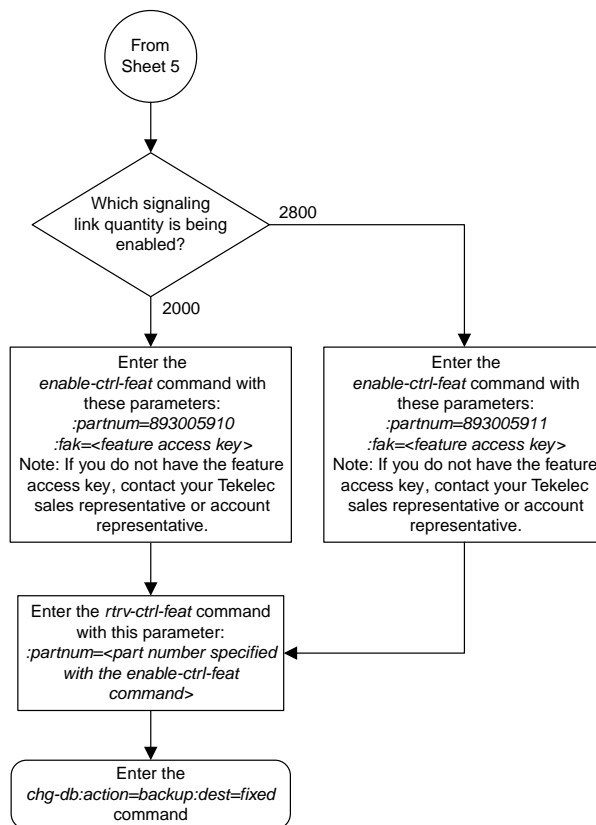


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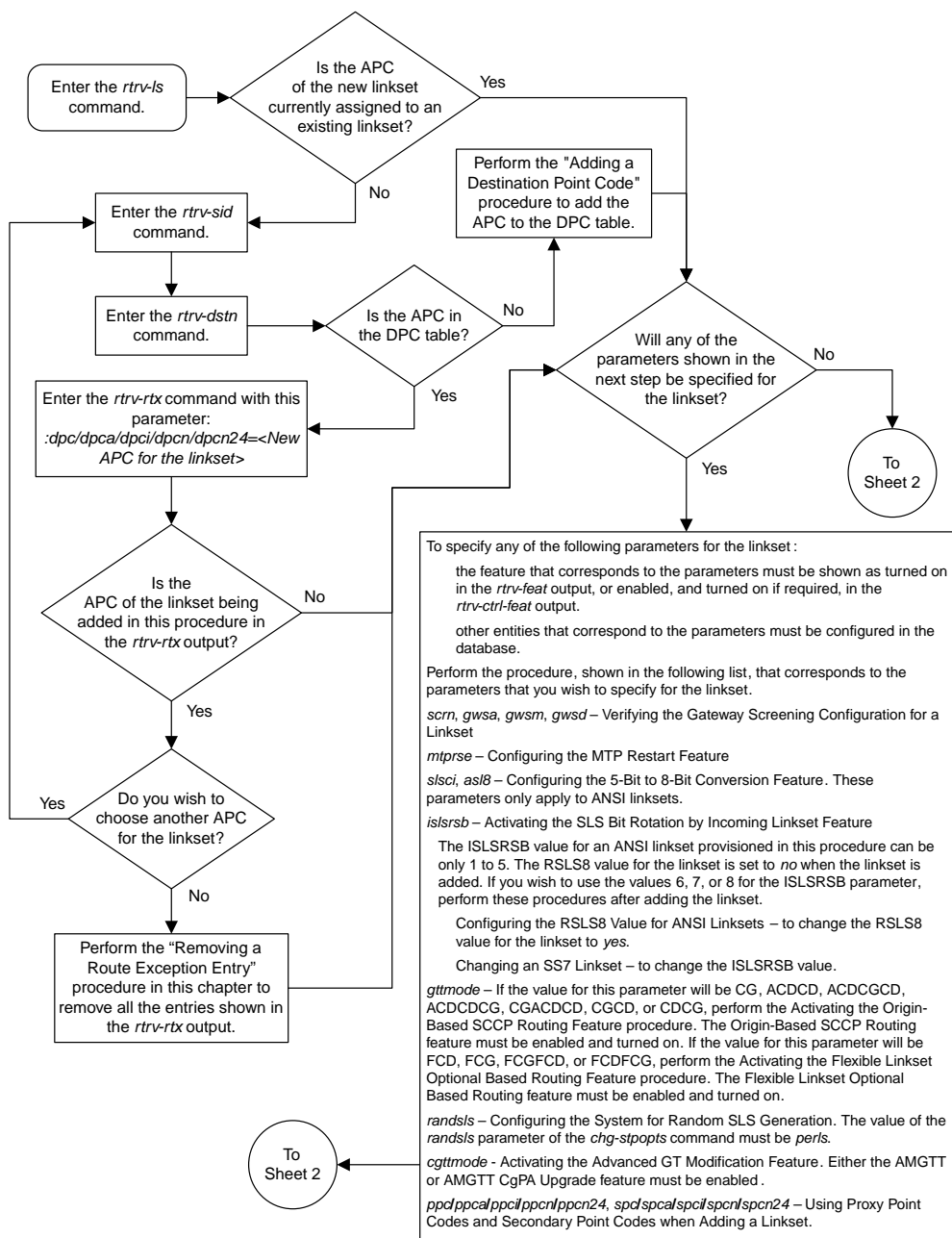




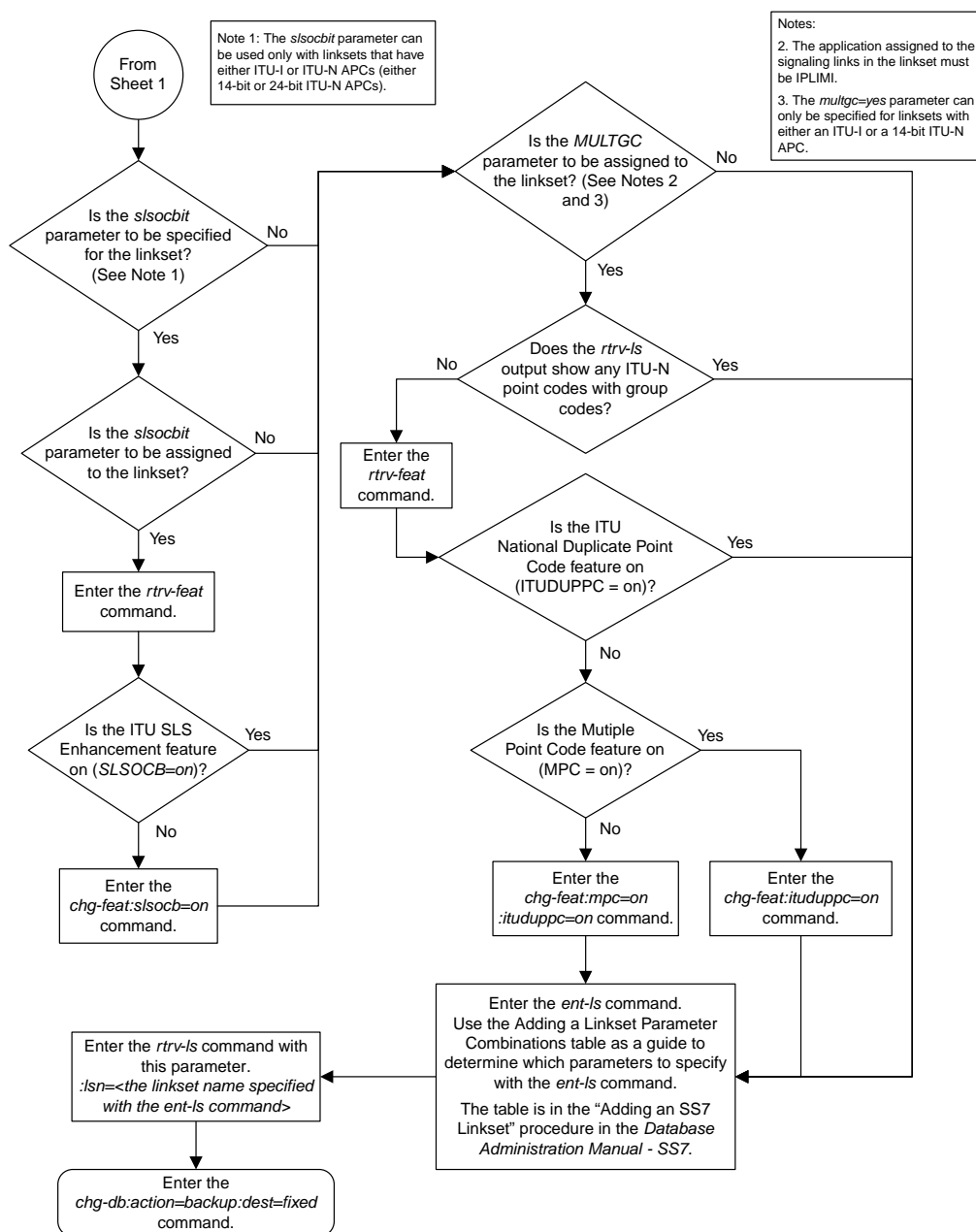
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## Adding an SS7 Linkset



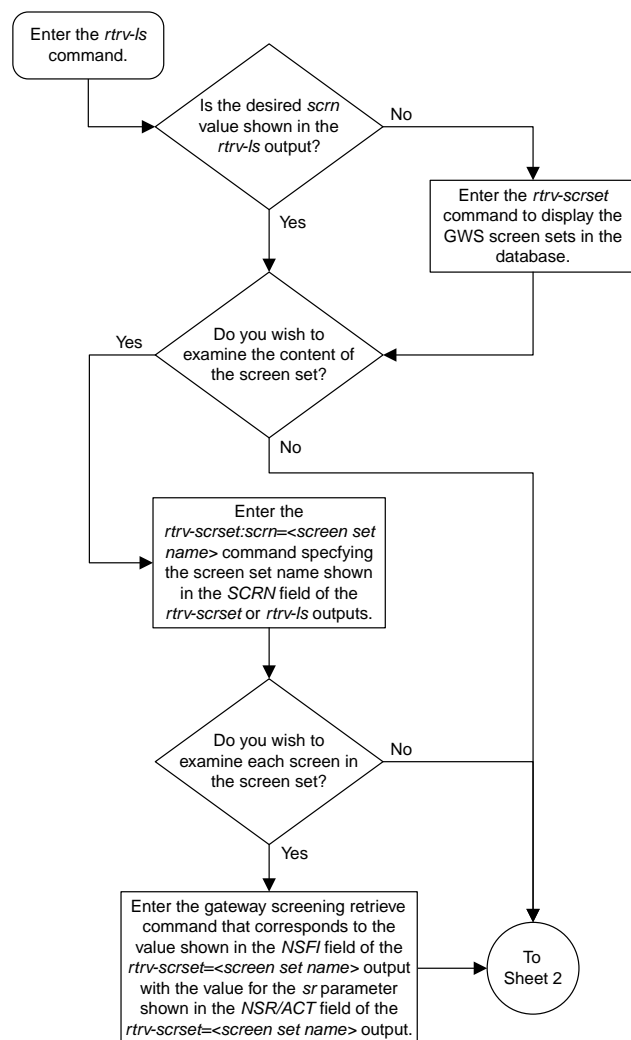
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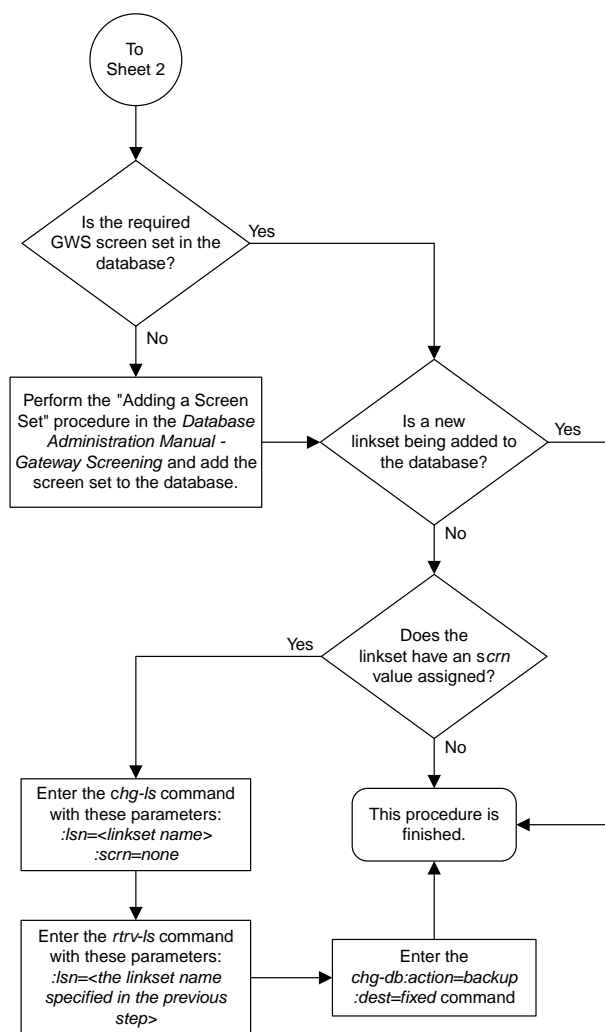


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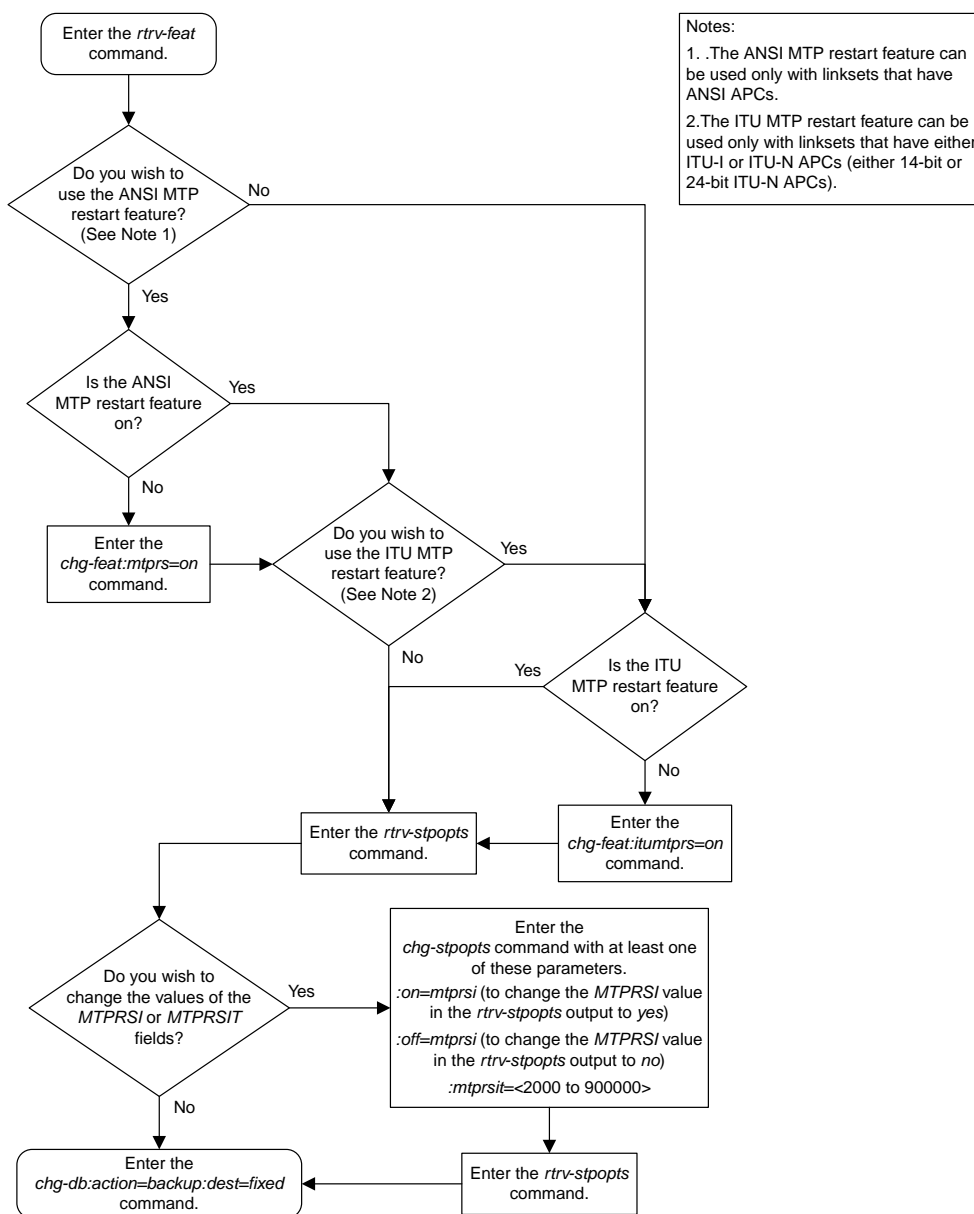
## Verifying the Gateway Screening Configuration for a Linkset



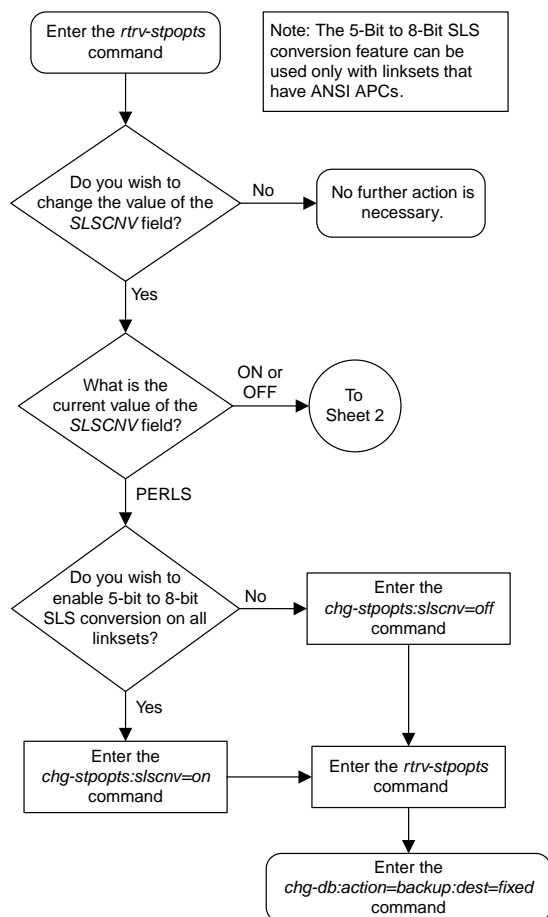


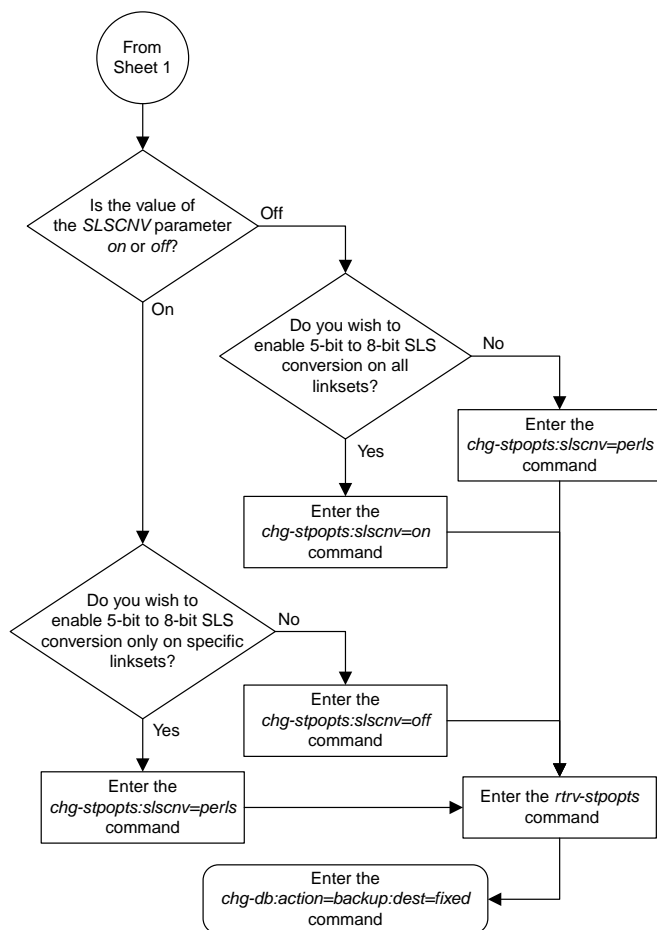
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## Configuring the MTP Restart Feature

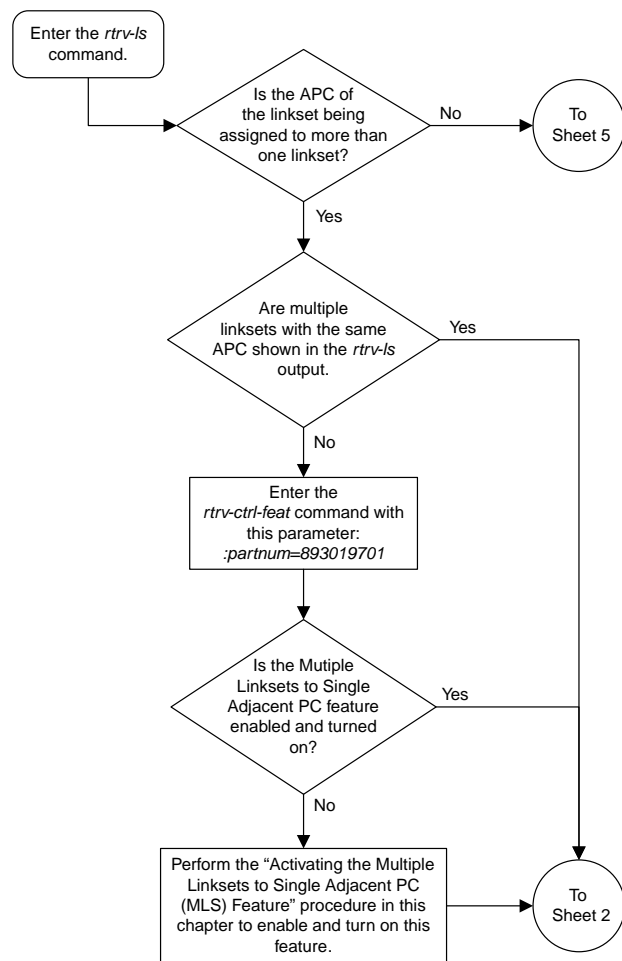


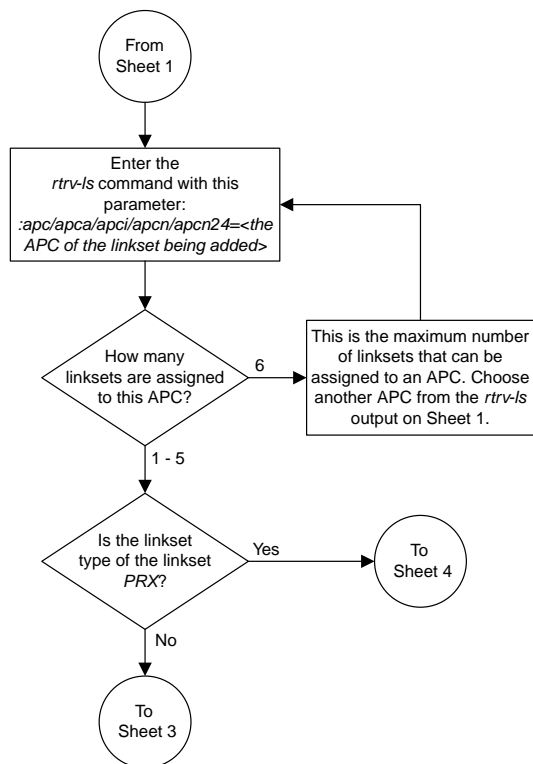
## Configuring the 5-Bit to 8-Bit SLS Conversion Feature

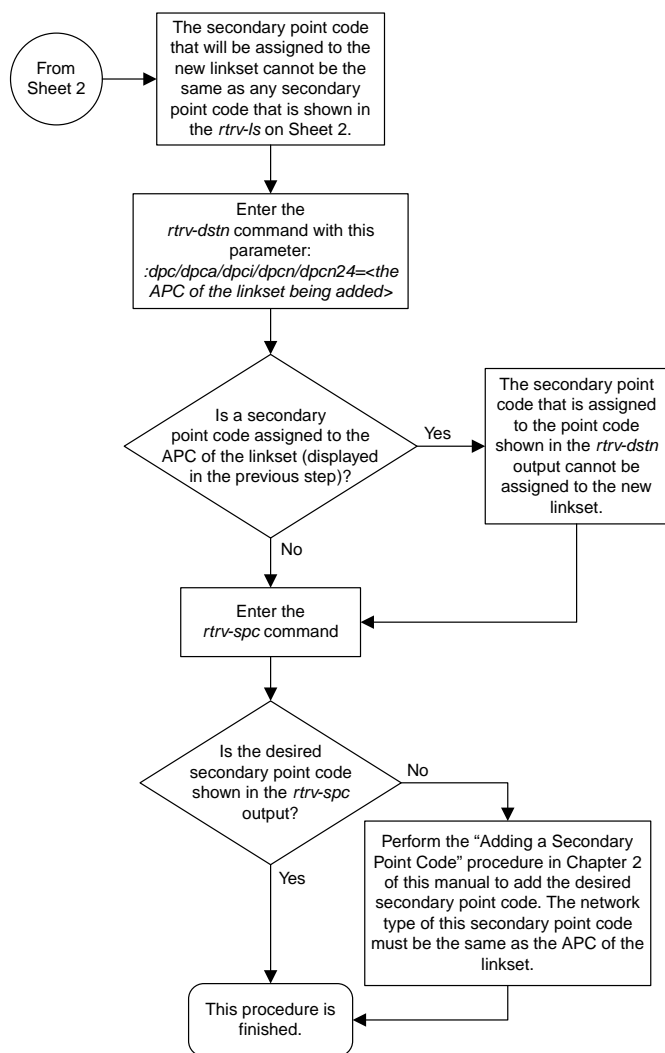




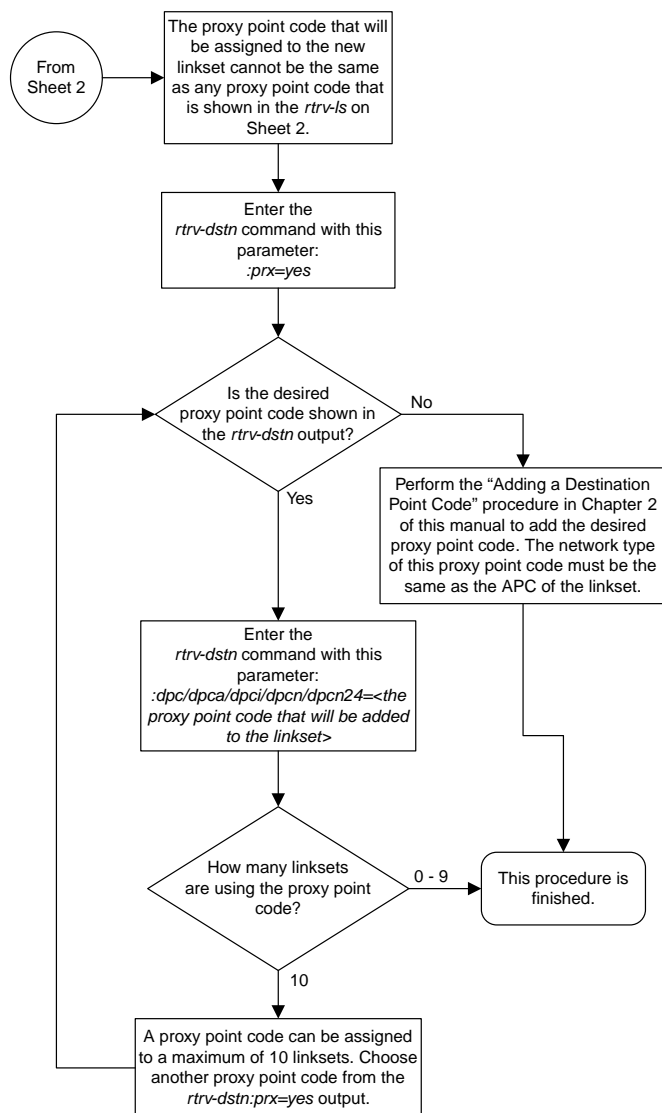
## Using Proxy Point Codes and Secondary Point Codes when Adding a Linkset

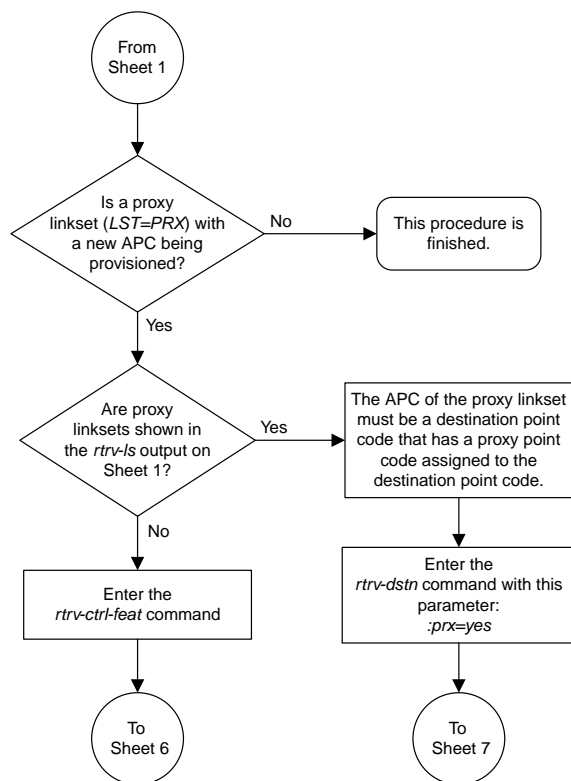


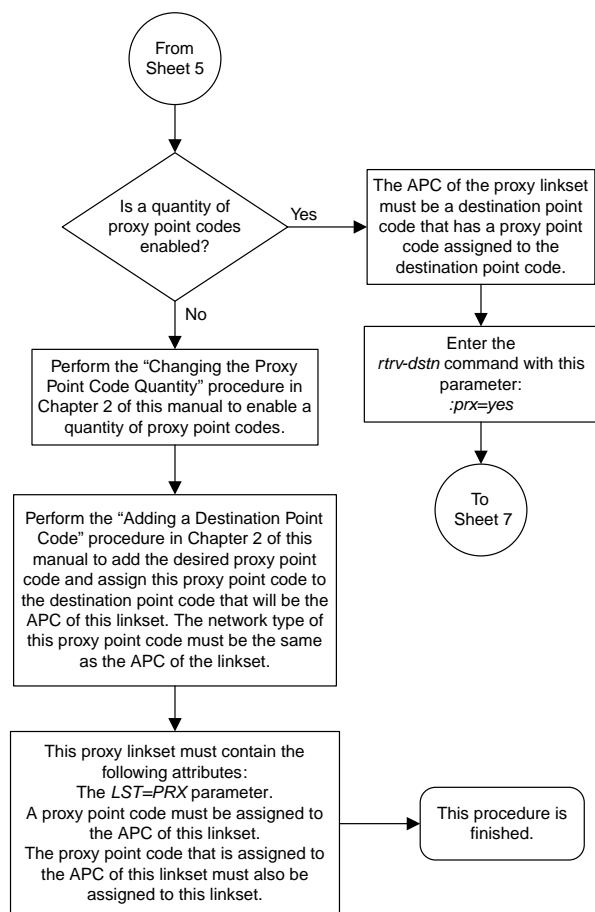


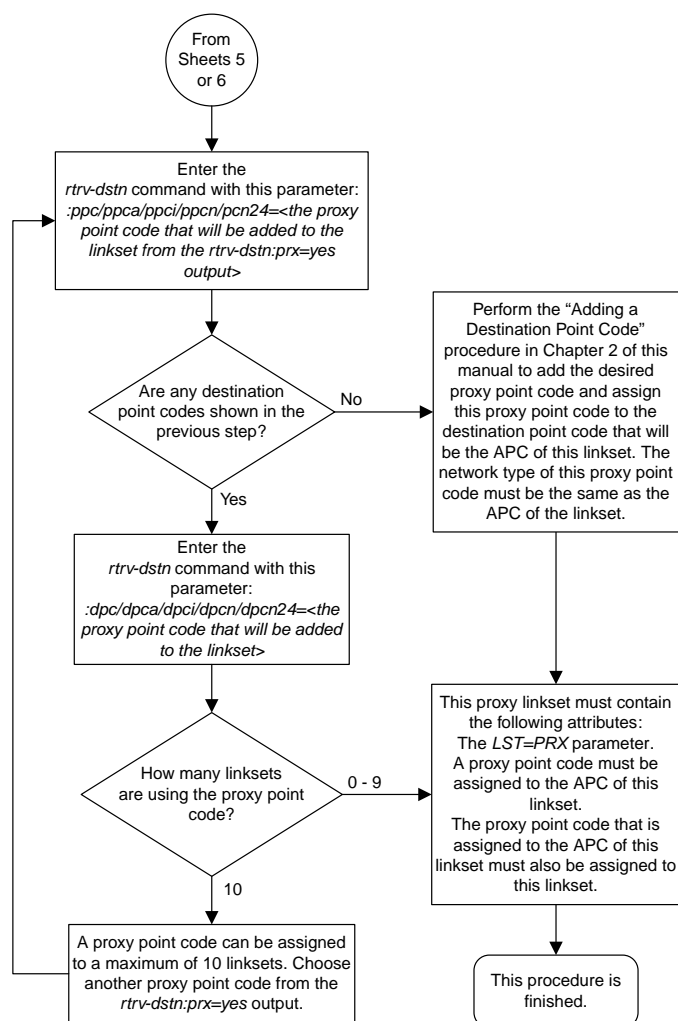




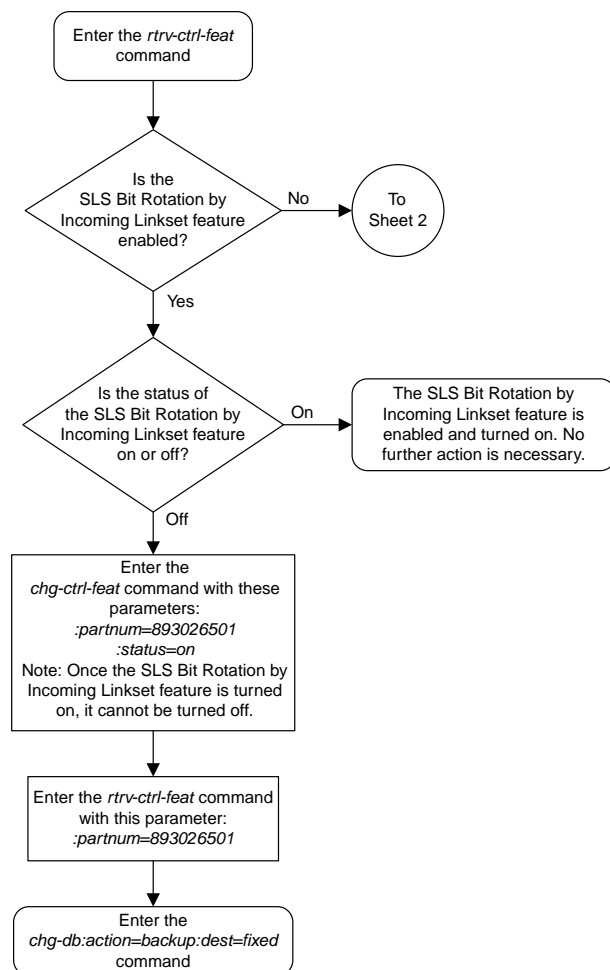


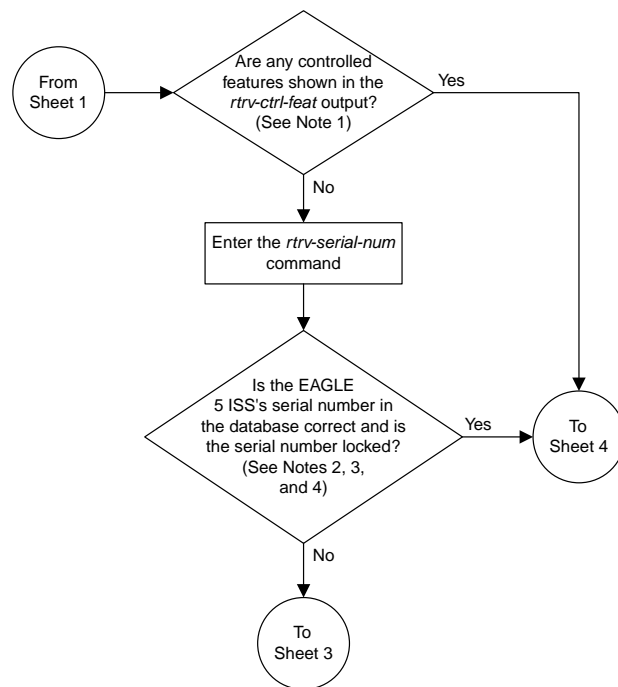




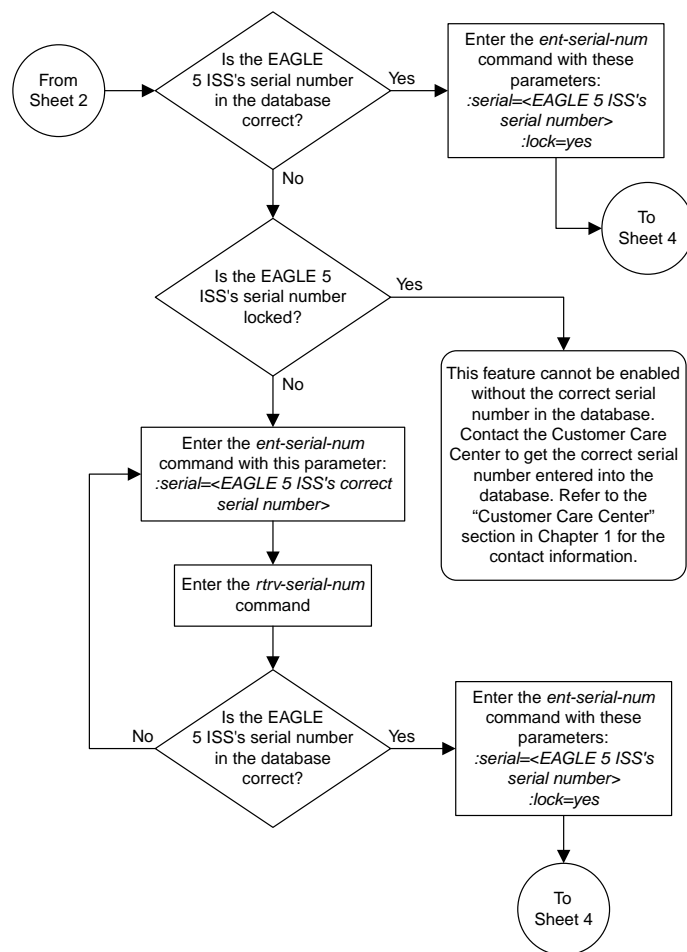


## Activating the SLS Bit Rotation by Incoming Linkset Feature

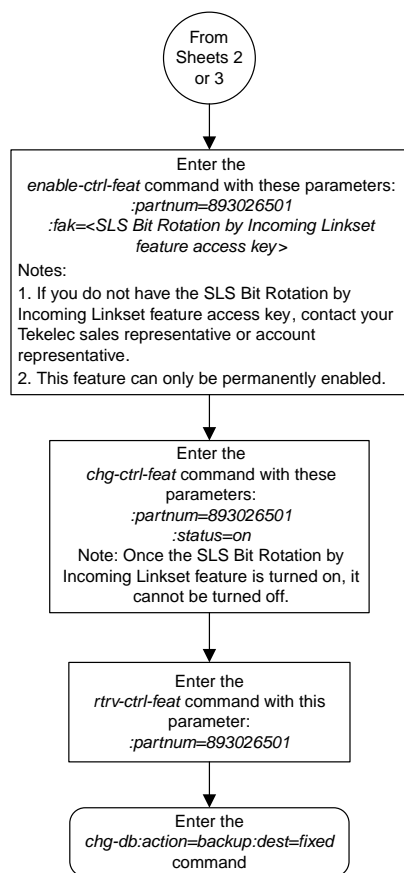


**Notes:**

1. If the *rtrv-ctrl-feat* output shows only the HC -MIM SLK Capacity feature with a quantity of 64, the answer to this question is no and the Eagle 5 ISS's serial number must be verified. This is the default entry for the *rtrv-ctrl-feat* output. This entry is shown whether or not the Eagle 5 ISS's serial number is in the database.
2. If the serial number is locked, it cannot be changed.
3. If the serial number is not locked, the controlled feature cannot be enabled.
4. The serial number can be found on a label affixed to the control shelf (shelf 1100).

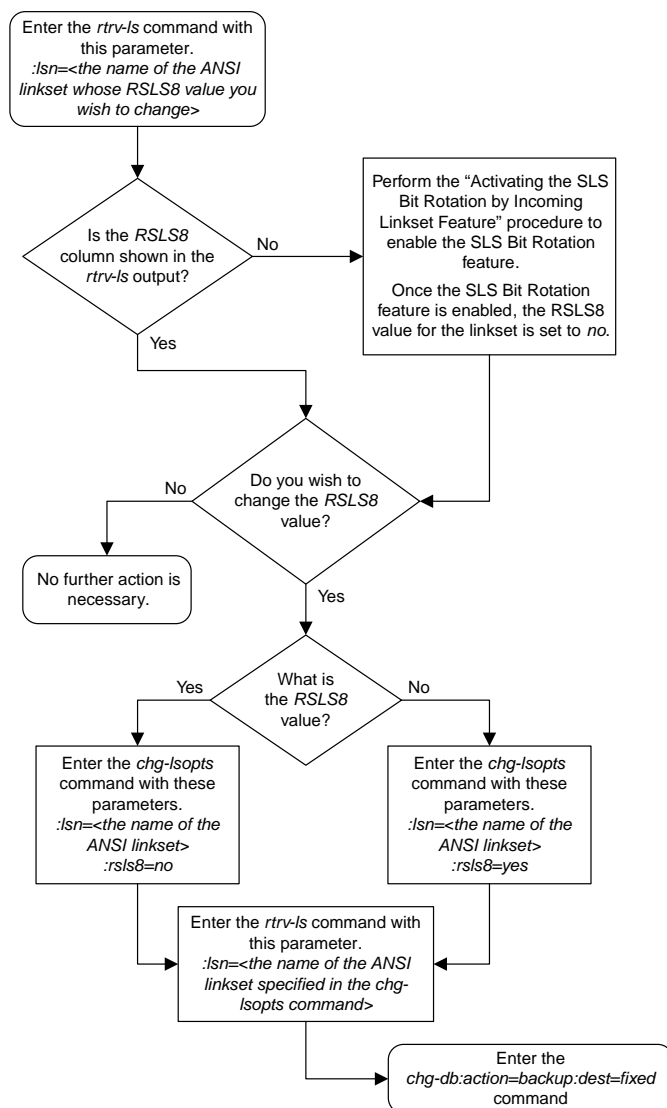


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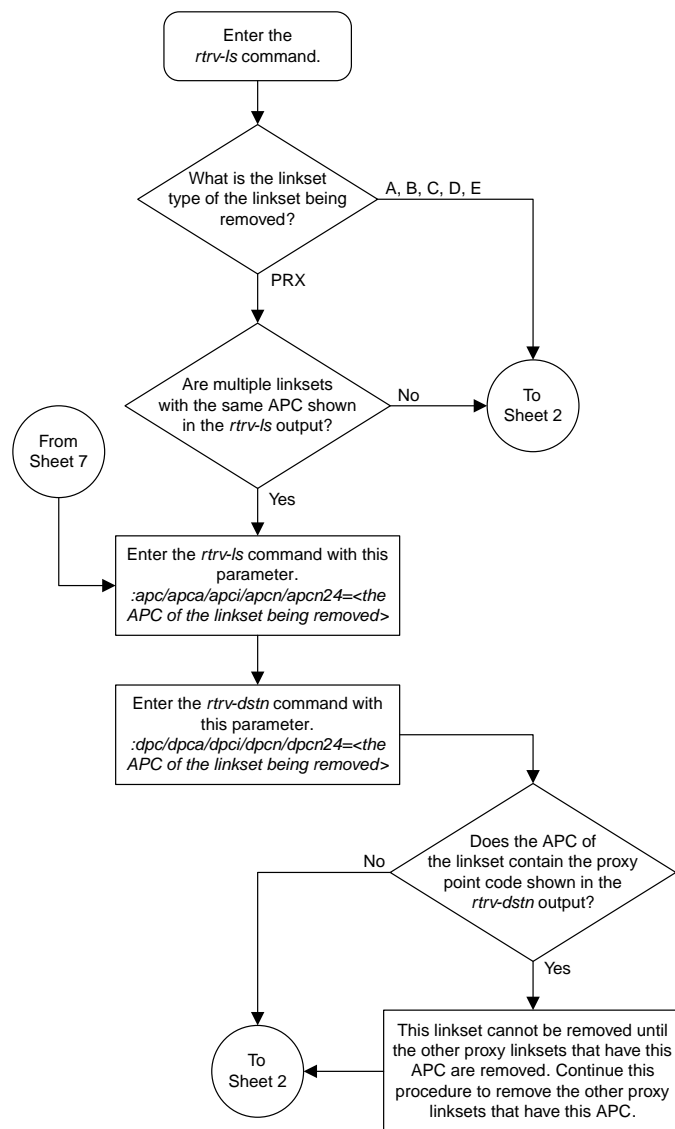




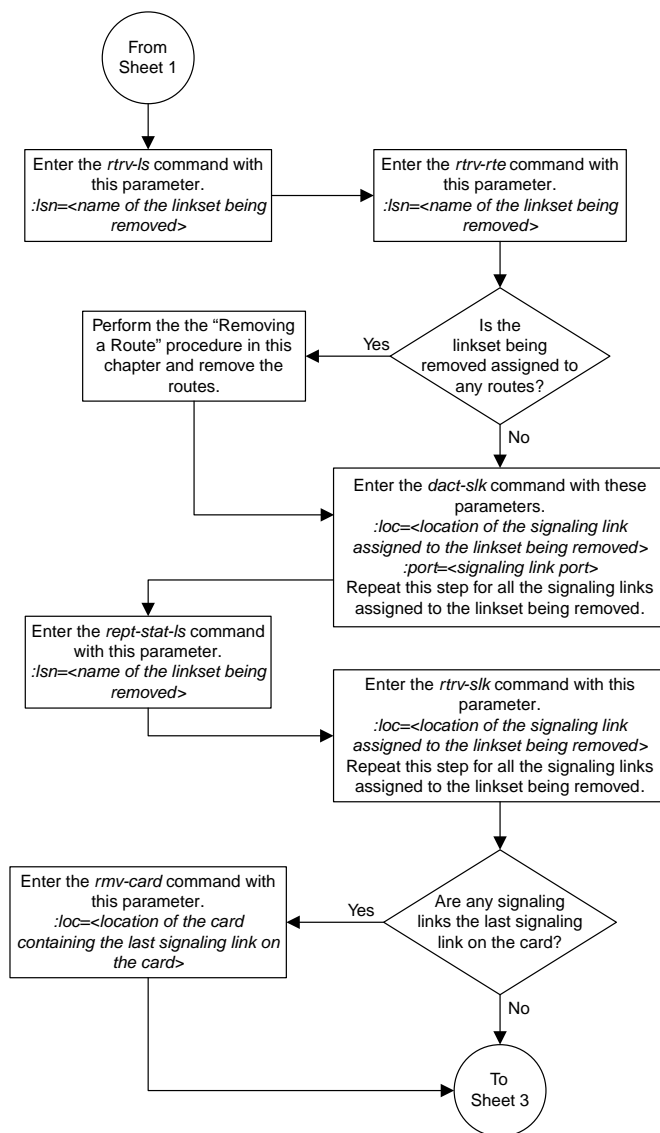
## Configuring the RSLS8 Value for ANSI Linksets

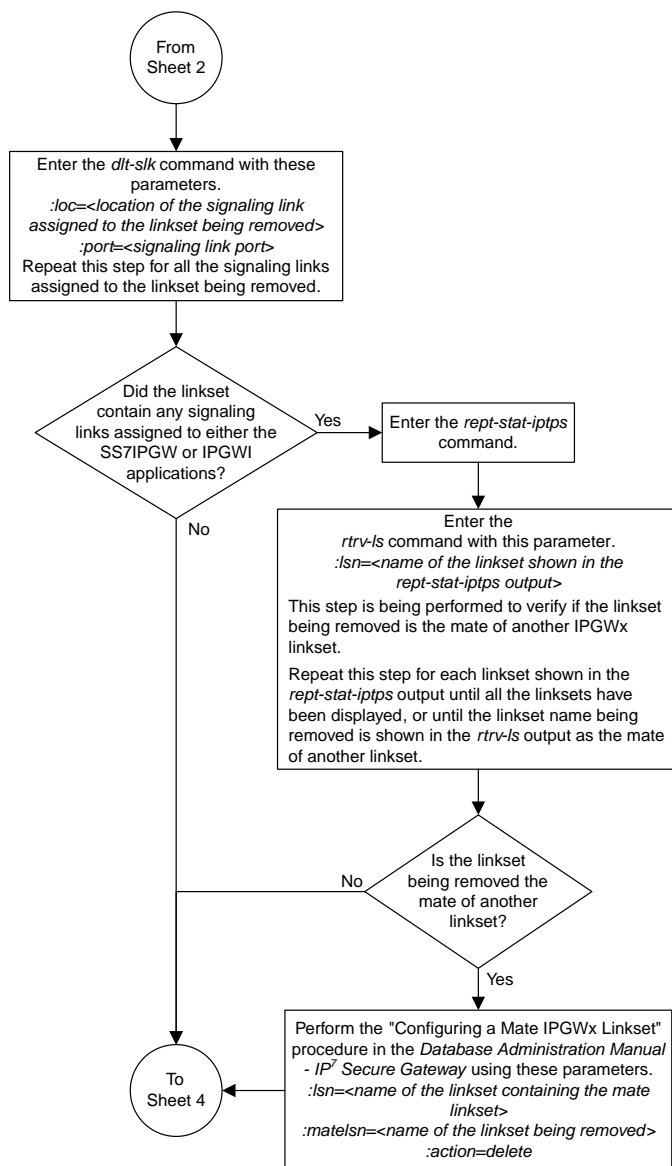


## Removing a Linkset Containing SS7 Signaling Links

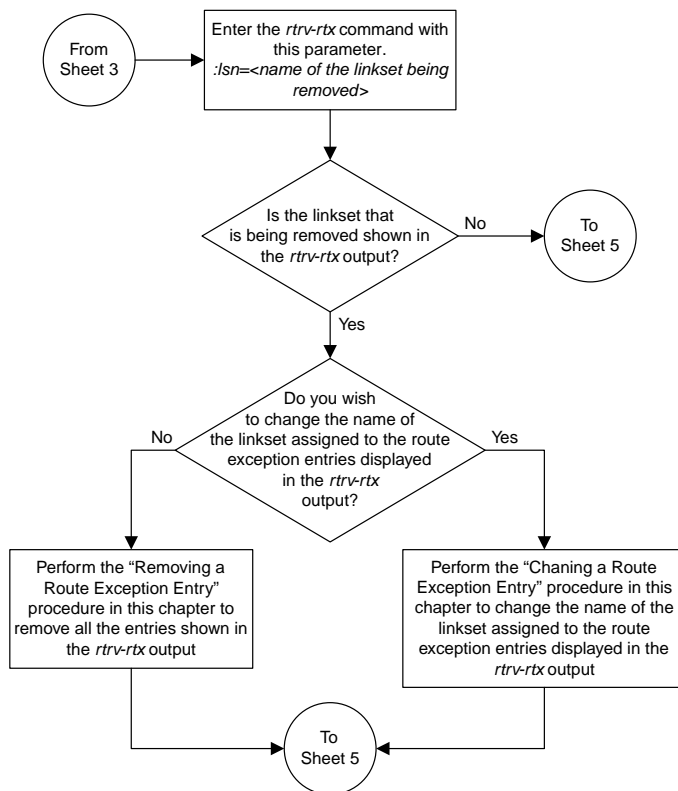


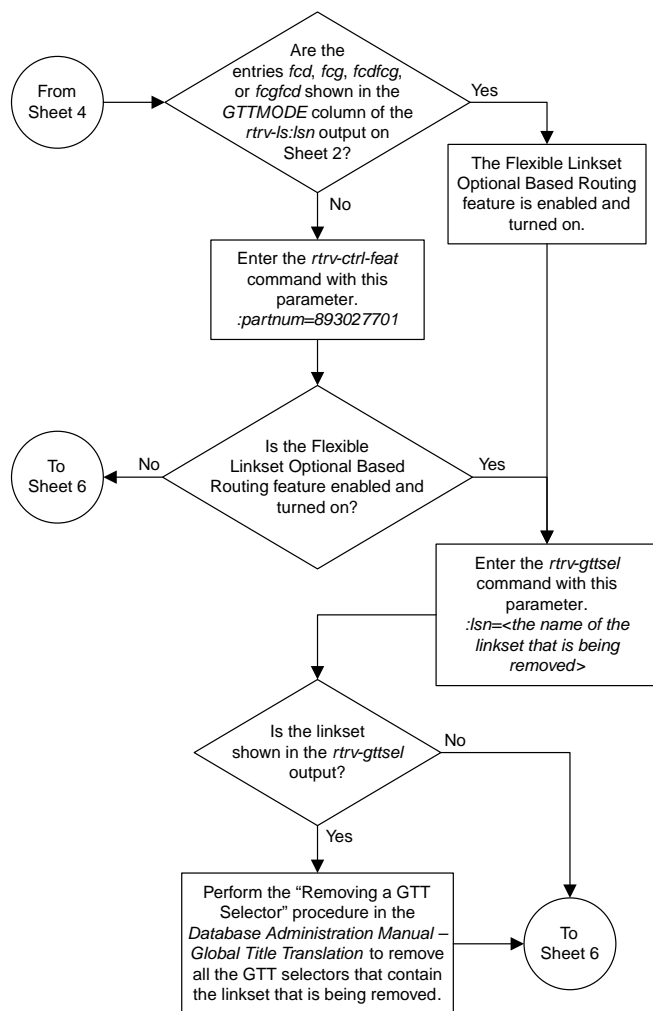
Sheet 1 of 7



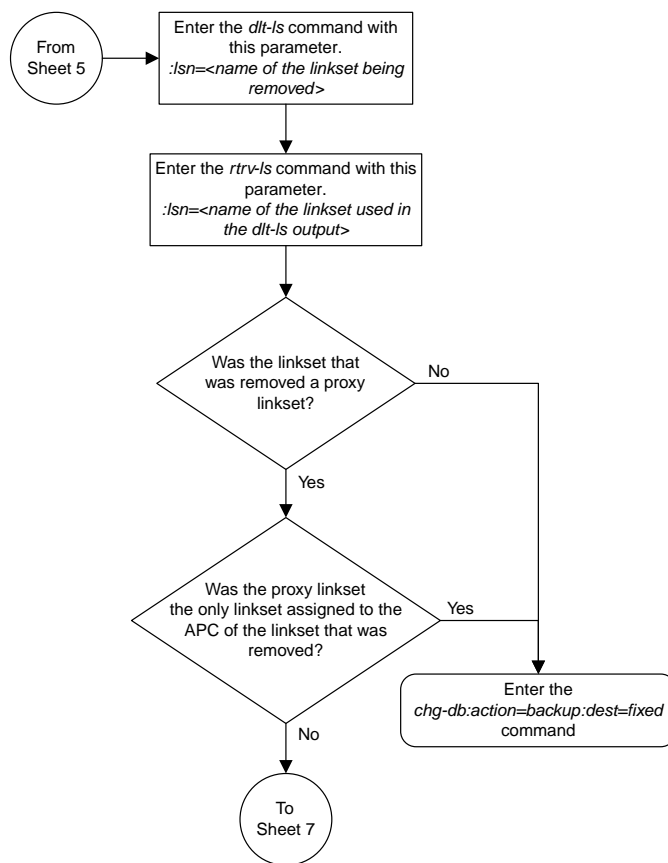


Sheet 3 of 7

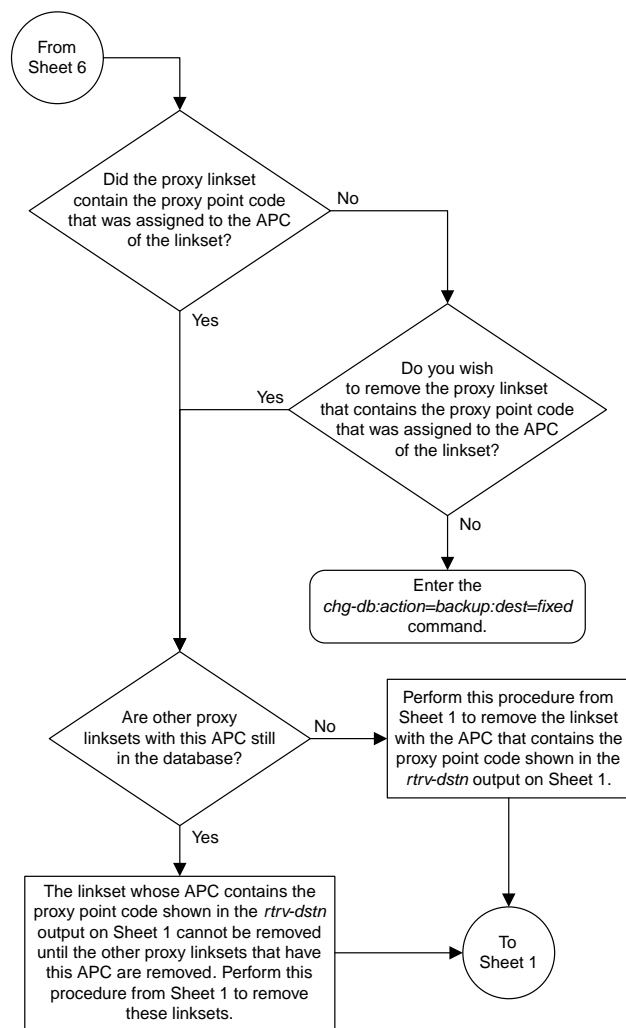




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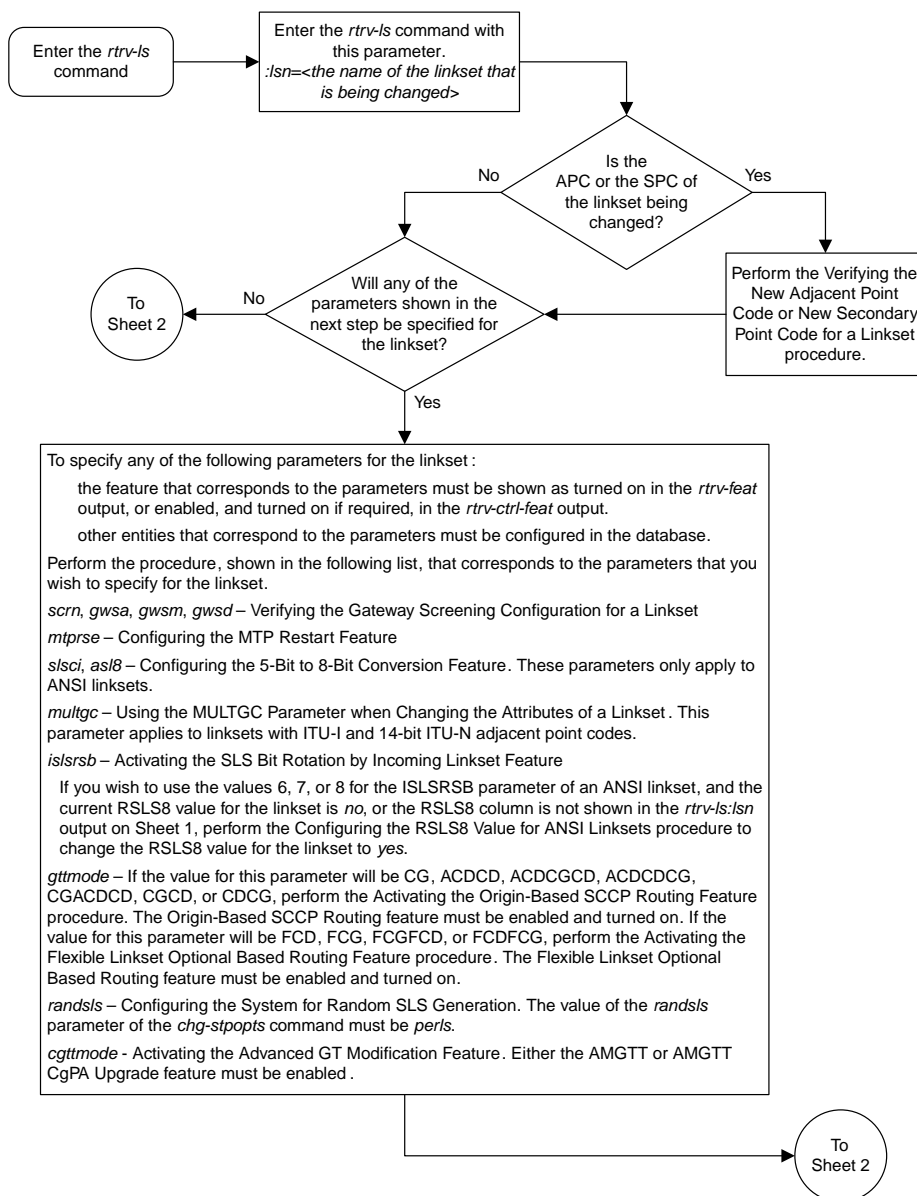


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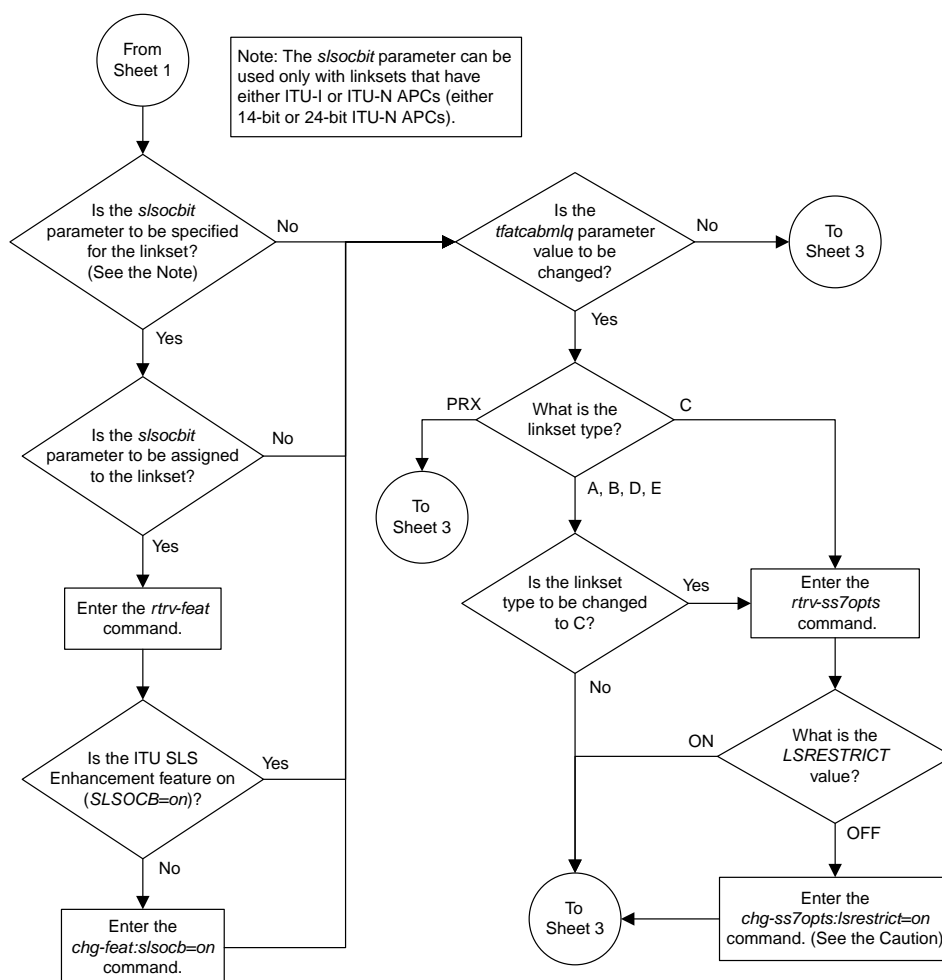




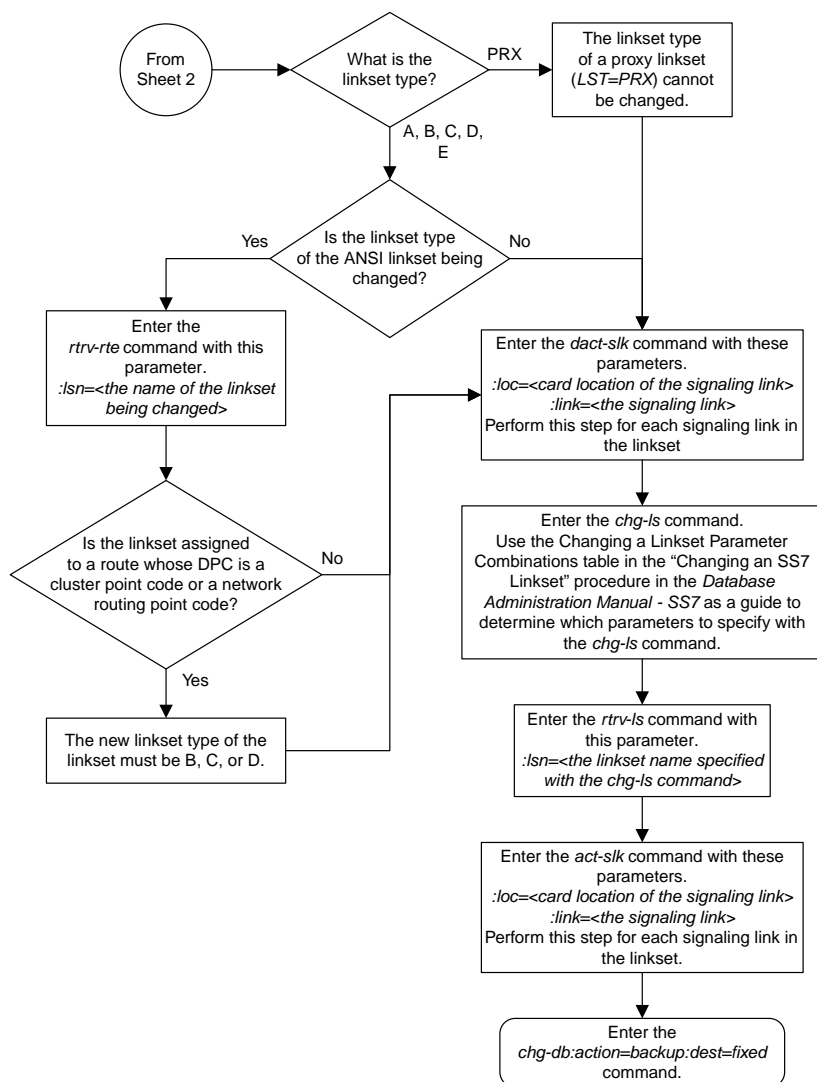
## Changing an SS7 Linkset



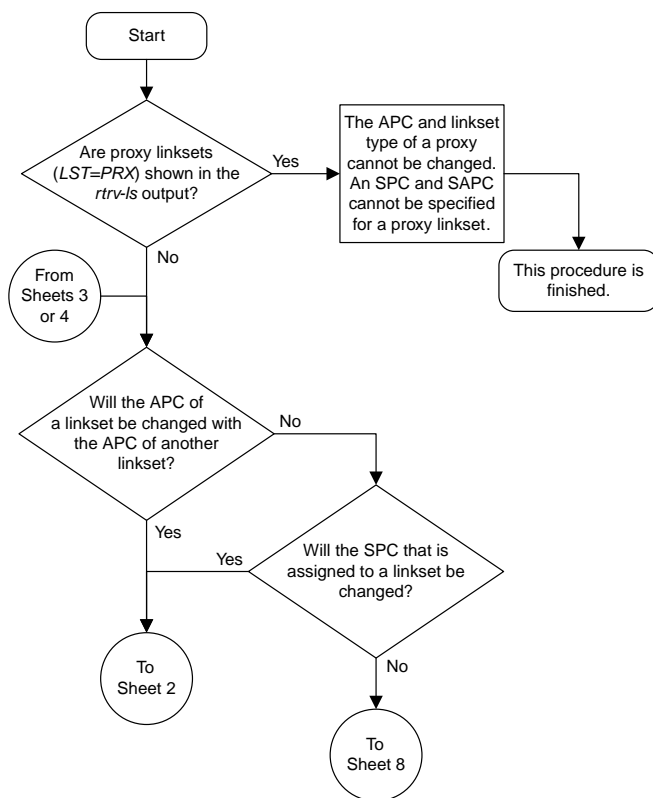
Sheet 1 of 3

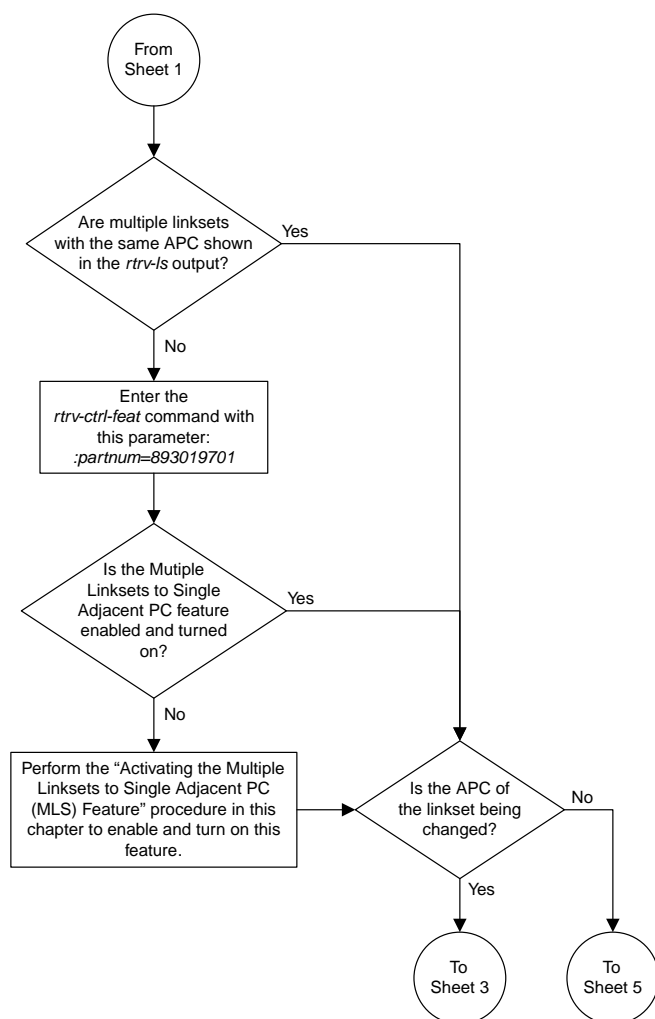


**Caution:** Turning the *lsrestrict* option on changes the way the EAGLE 5 ISS routes messages by using the state of the route along with the cost of the route to determine the preferred route to use. With this option on, the preferred route is not the absolute lowest cost available route in the routeset. A route is considered available if its status is either Allowed or Restricted. If the state of the absolute lowest cost route in the routeset is Restricted, the preferred route is the lowest cost route in the routeset whose status is Allowed. Make sure that you wish to have the EAGLE 5 ISS route messages in this manner before turning the *lsrestrict* option on.

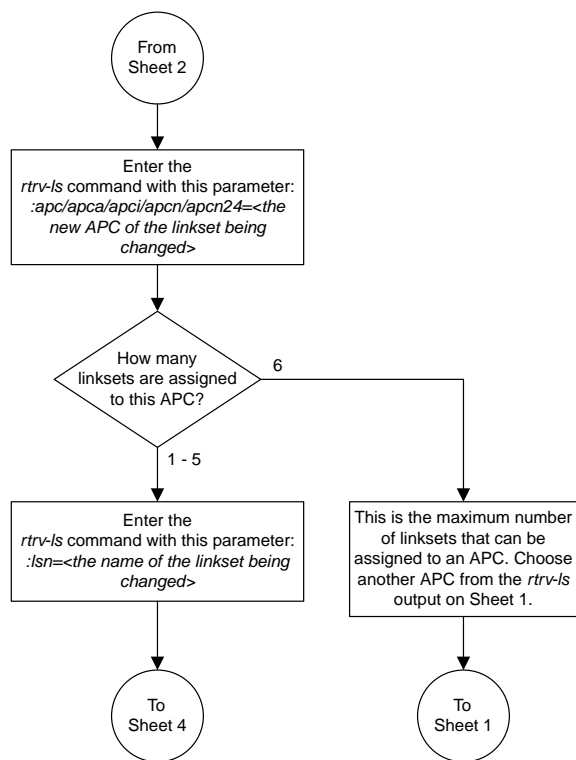


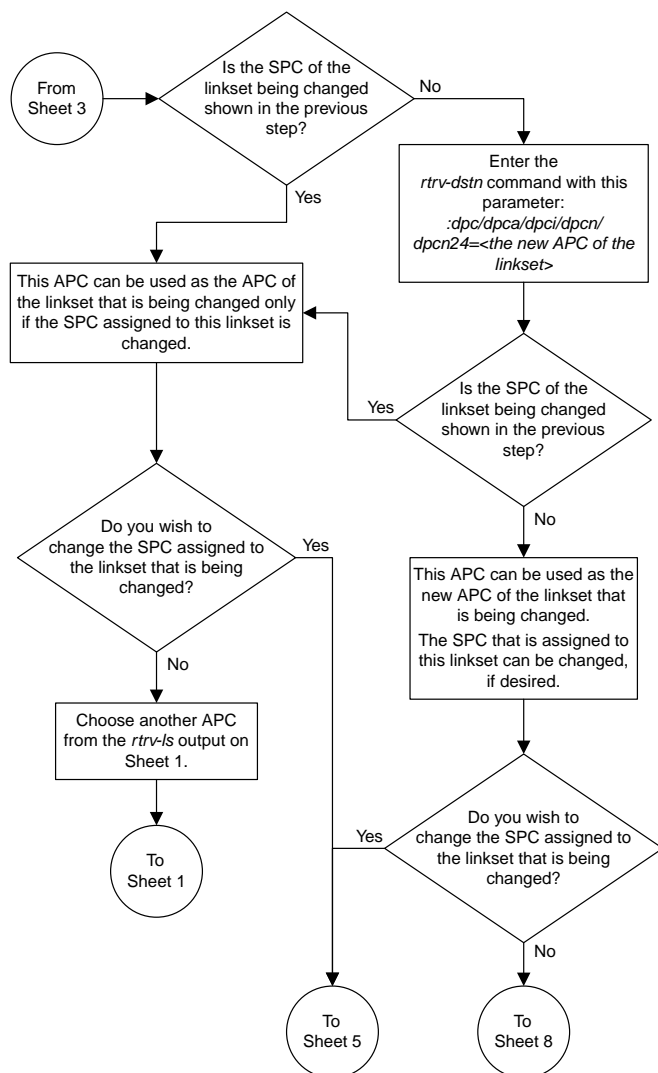
## Verifying the New Adjacent Point Code or New Secondary Point Code for a Linkset

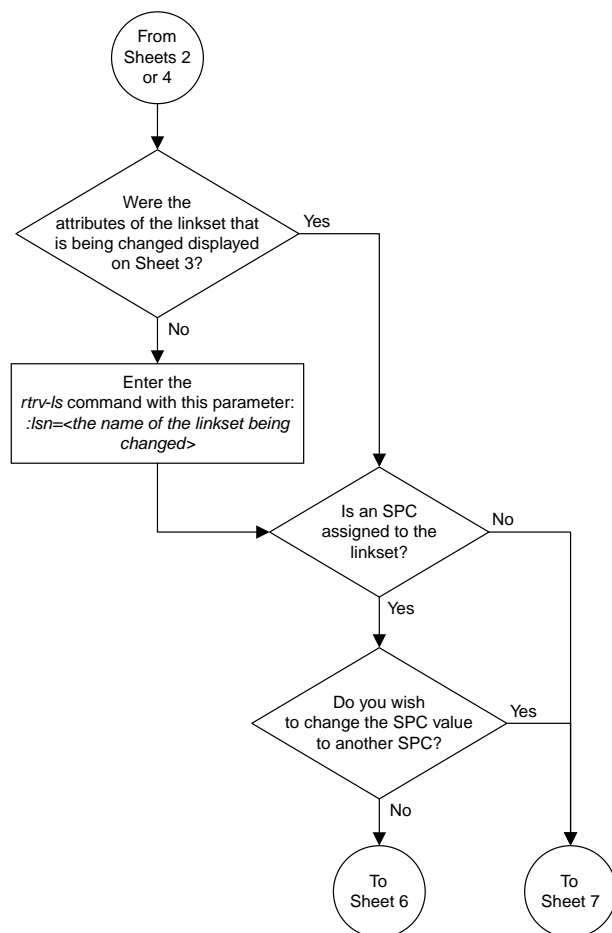




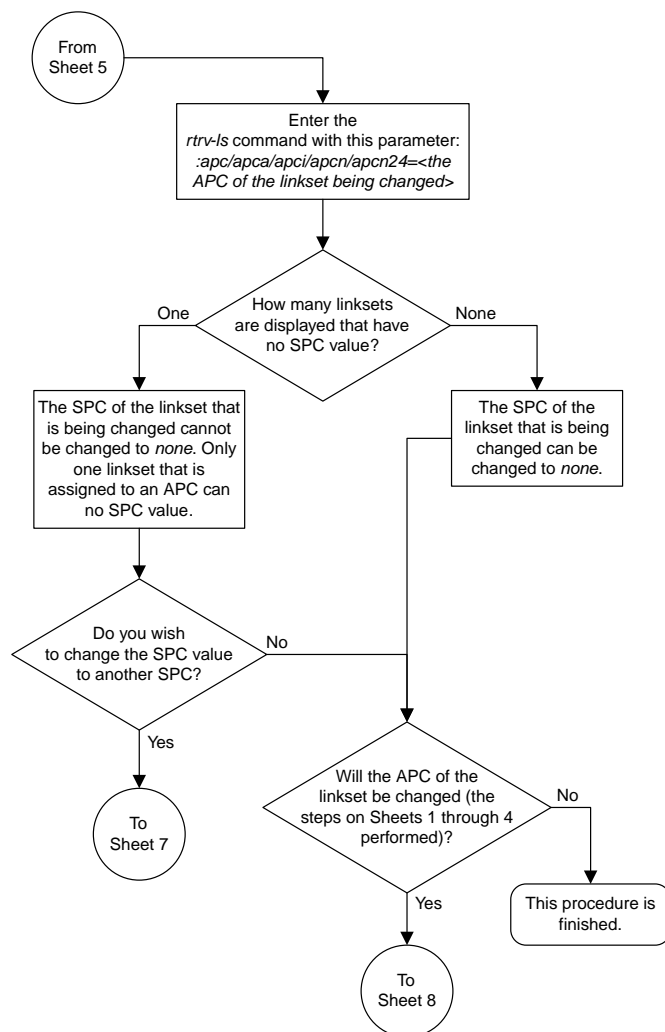
Sheet 2 of 8



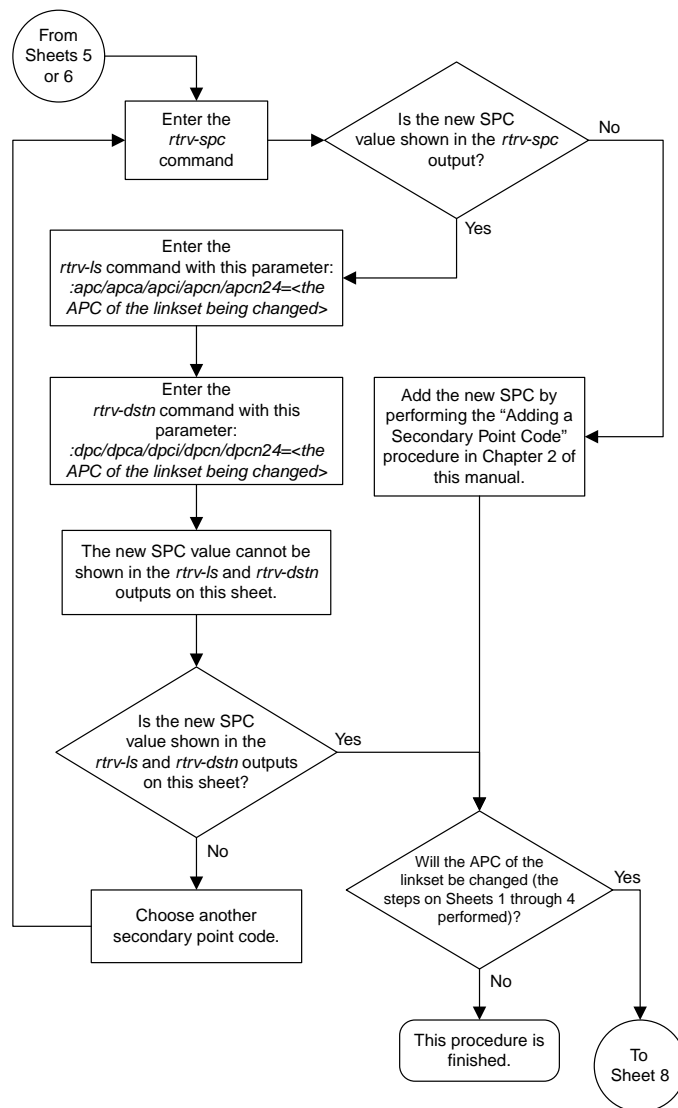




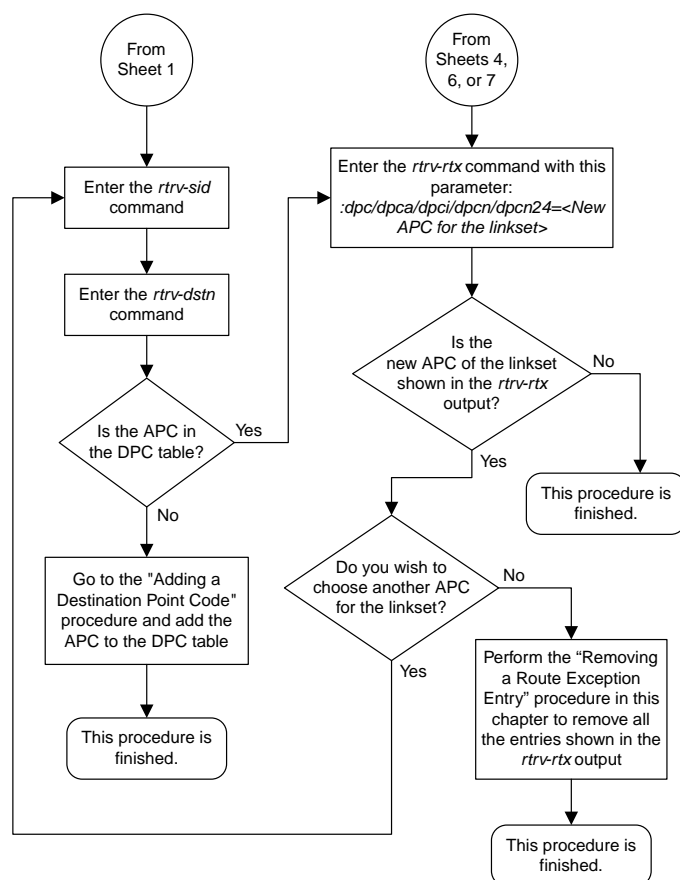




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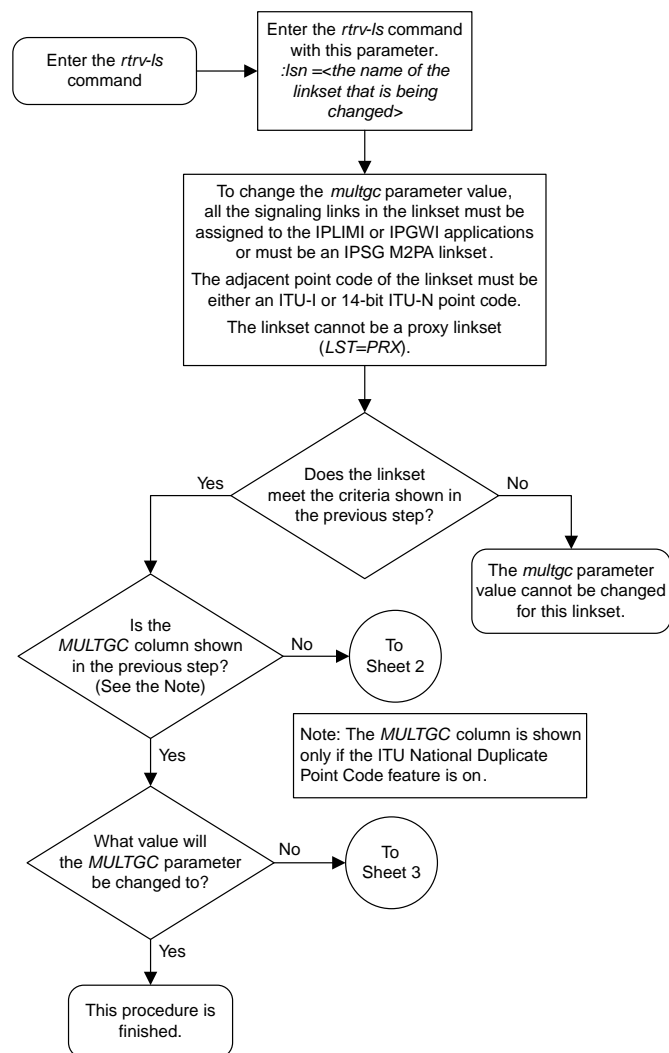


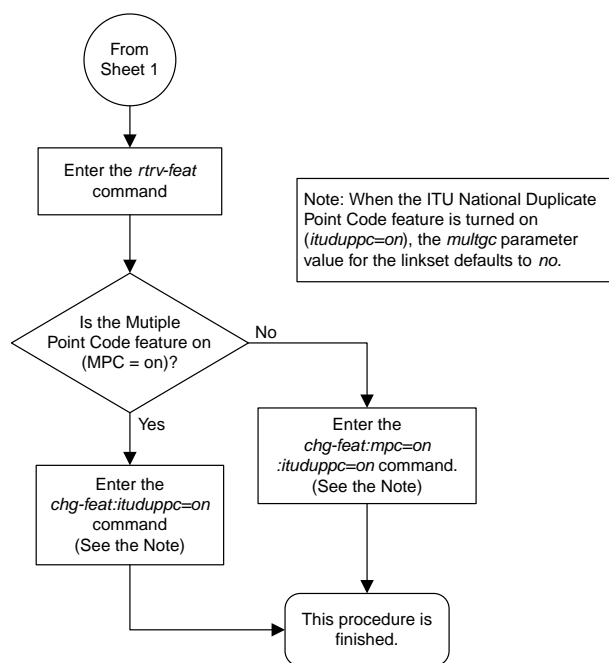
Note: If the adjacent point code is being changed, the point code type of the new adjacent point code must be the same as the current adjacent point code.

For example, if the current adjacent point code is an ITU-I point code, the new adjacent point code must be an ITU-I point code.

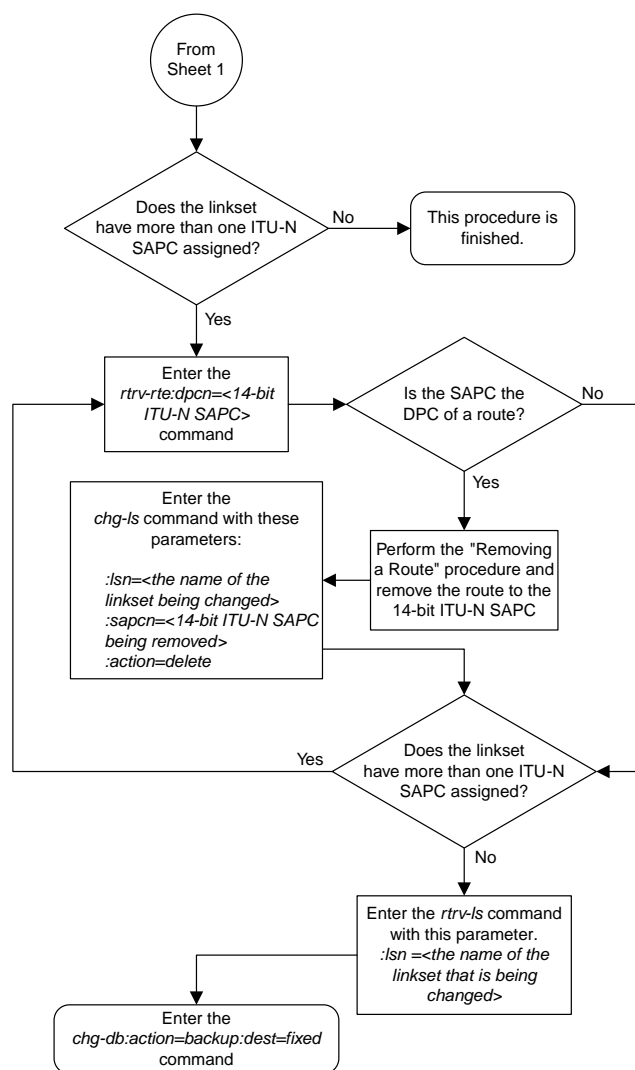
Private point codes cannot be used as an adjacent point code in this procedure. Private point codes can be assigned only to IPGWx linksets. The procedures for configuring IPGWx linksets are in the *Database Administration Manual - IP<sup>®</sup> Secure Gateway*.

## Using the MULTGC Parameter when Changing the Attributes of a Linkset



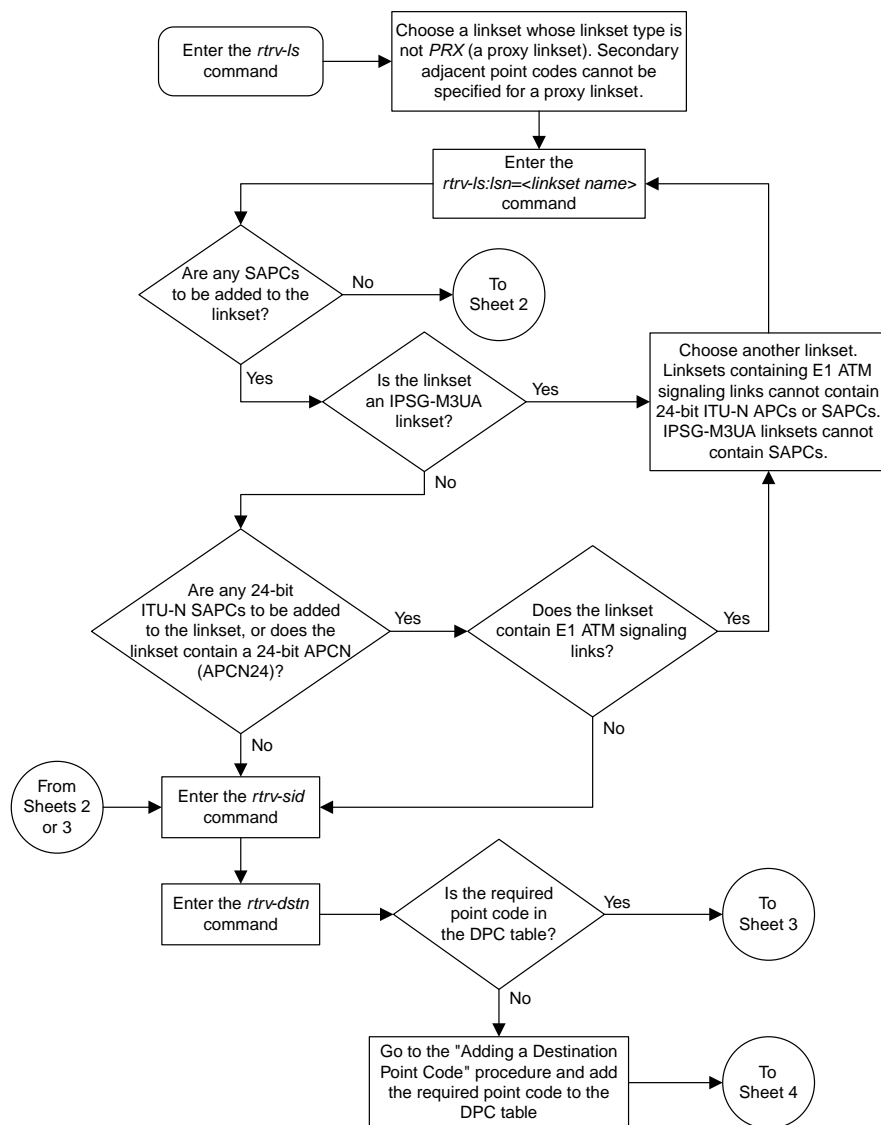


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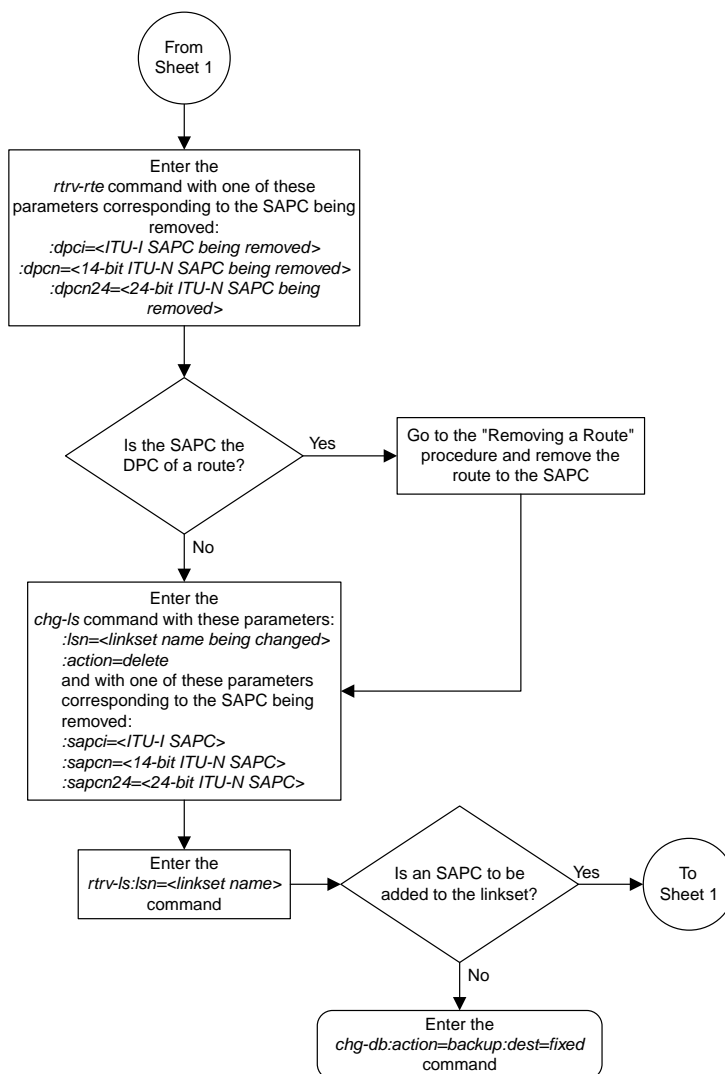


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## Configuring an ITU Linkset with a Secondary Adjacent Point Code (SAPC)

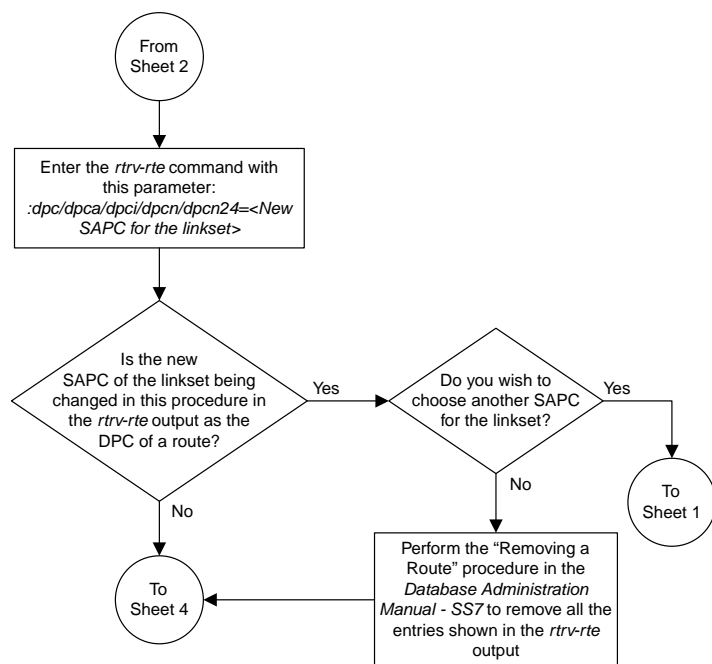


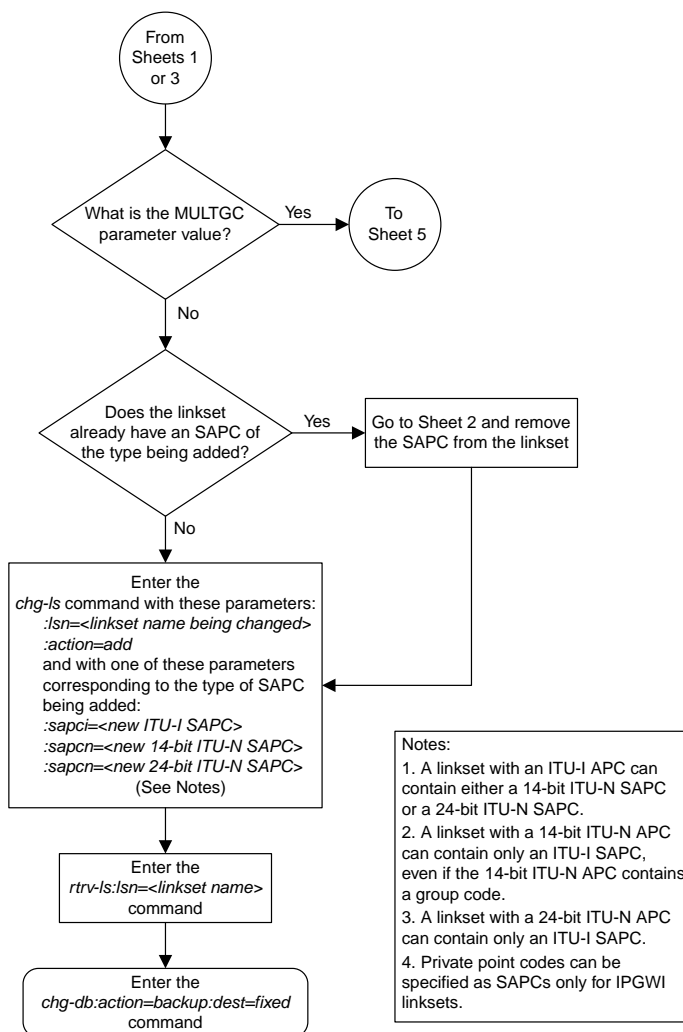
Sheet 1 of 6

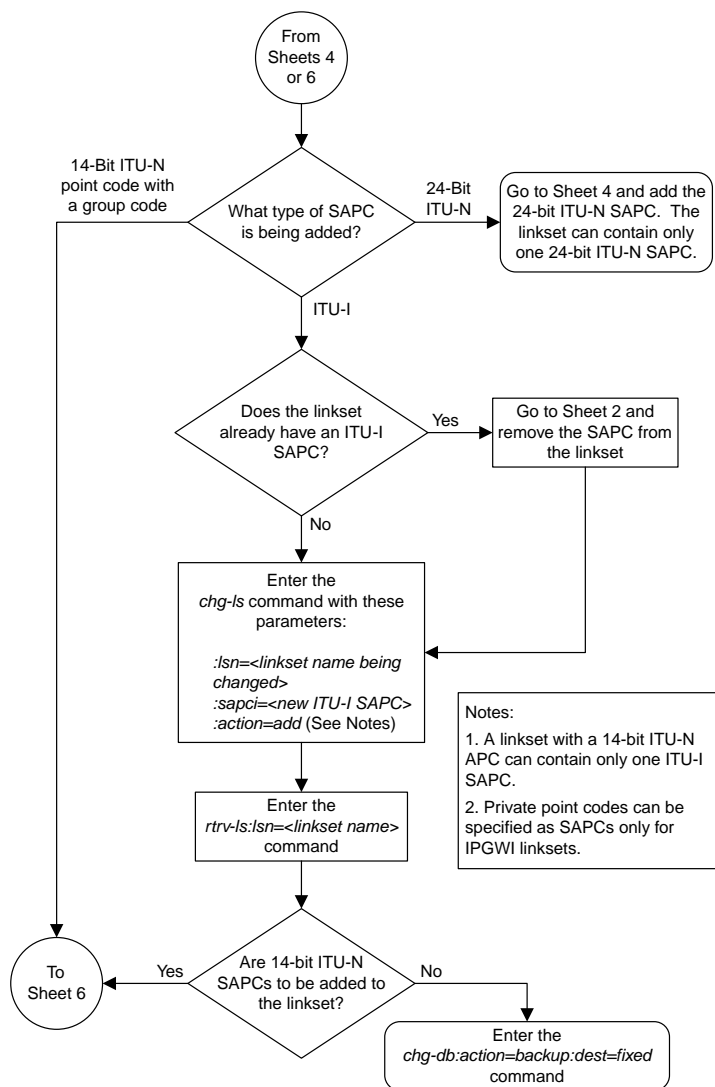


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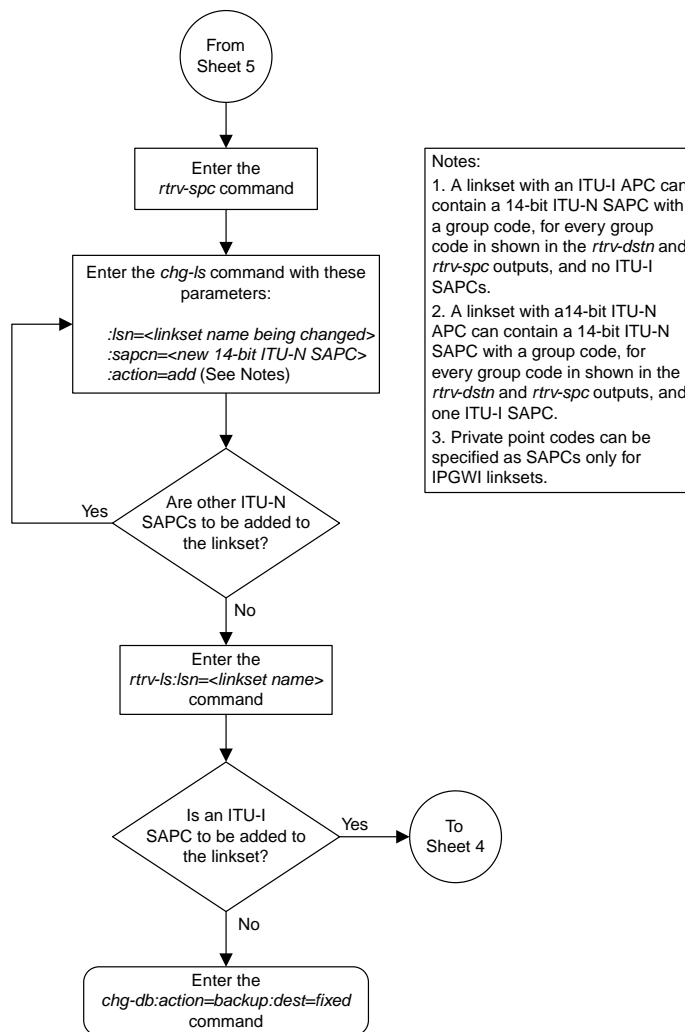




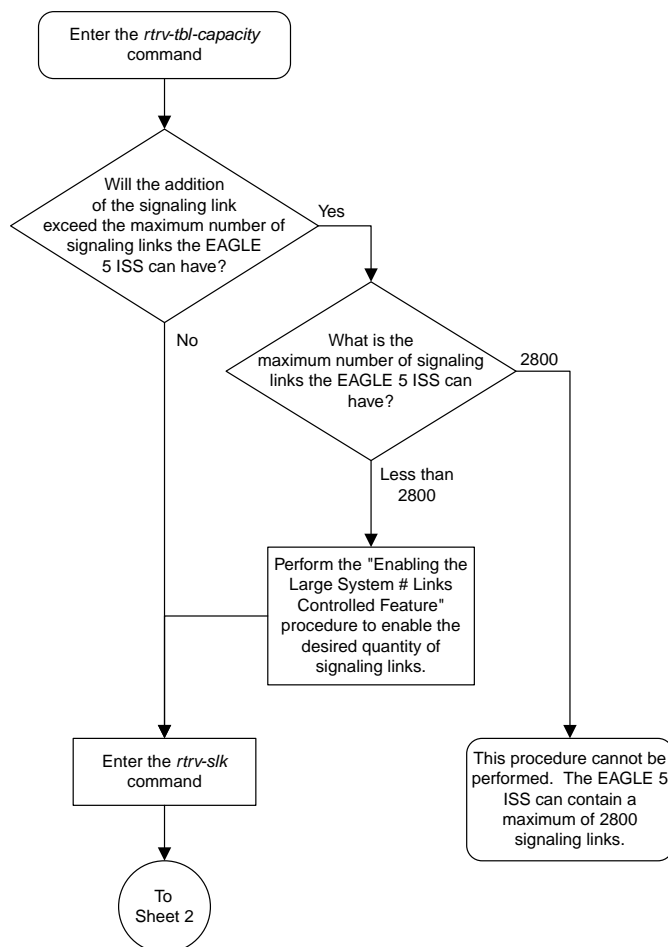


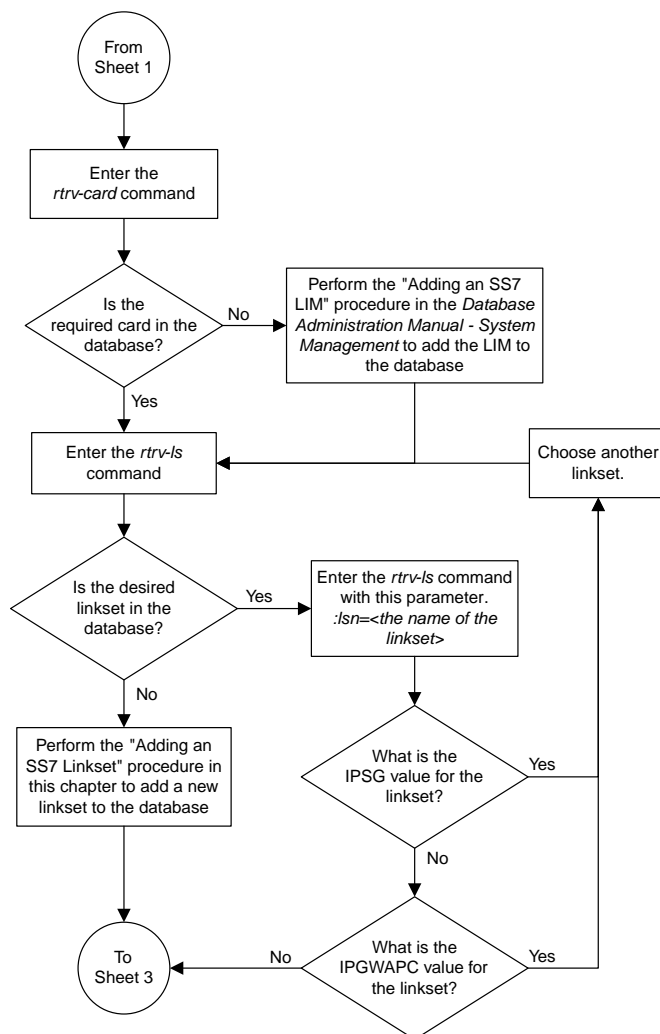


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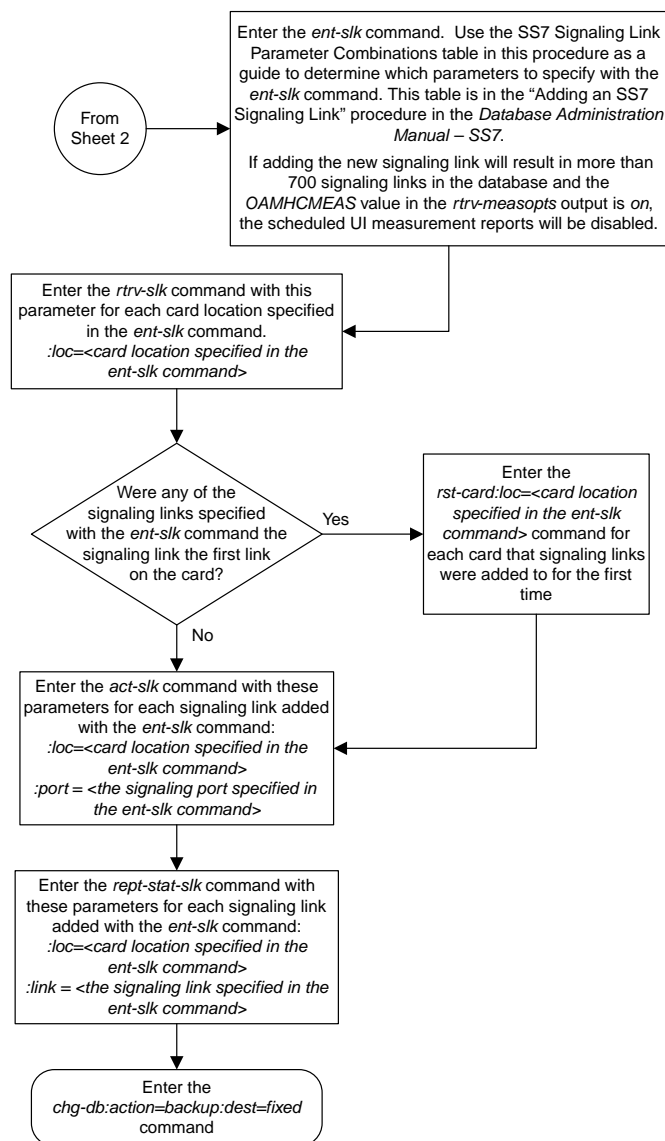


## Adding an SS7 Signaling Link

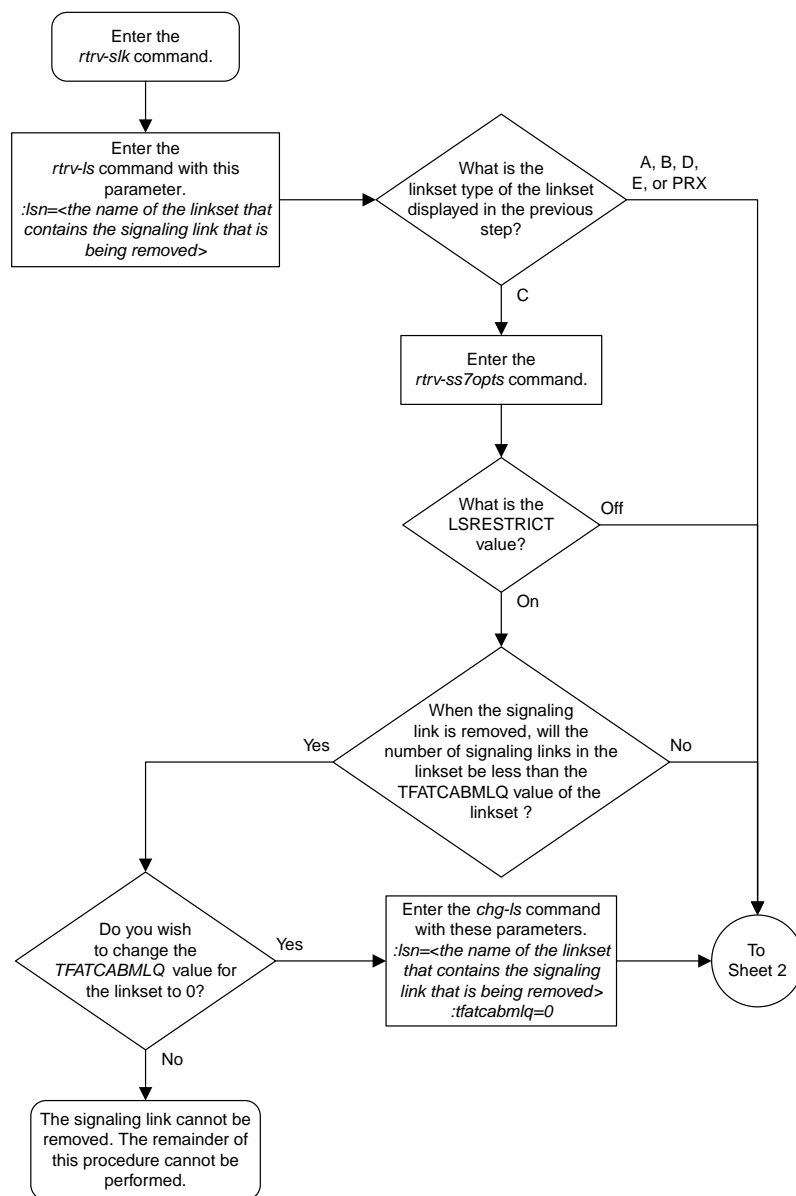




Sheet 2 of 3

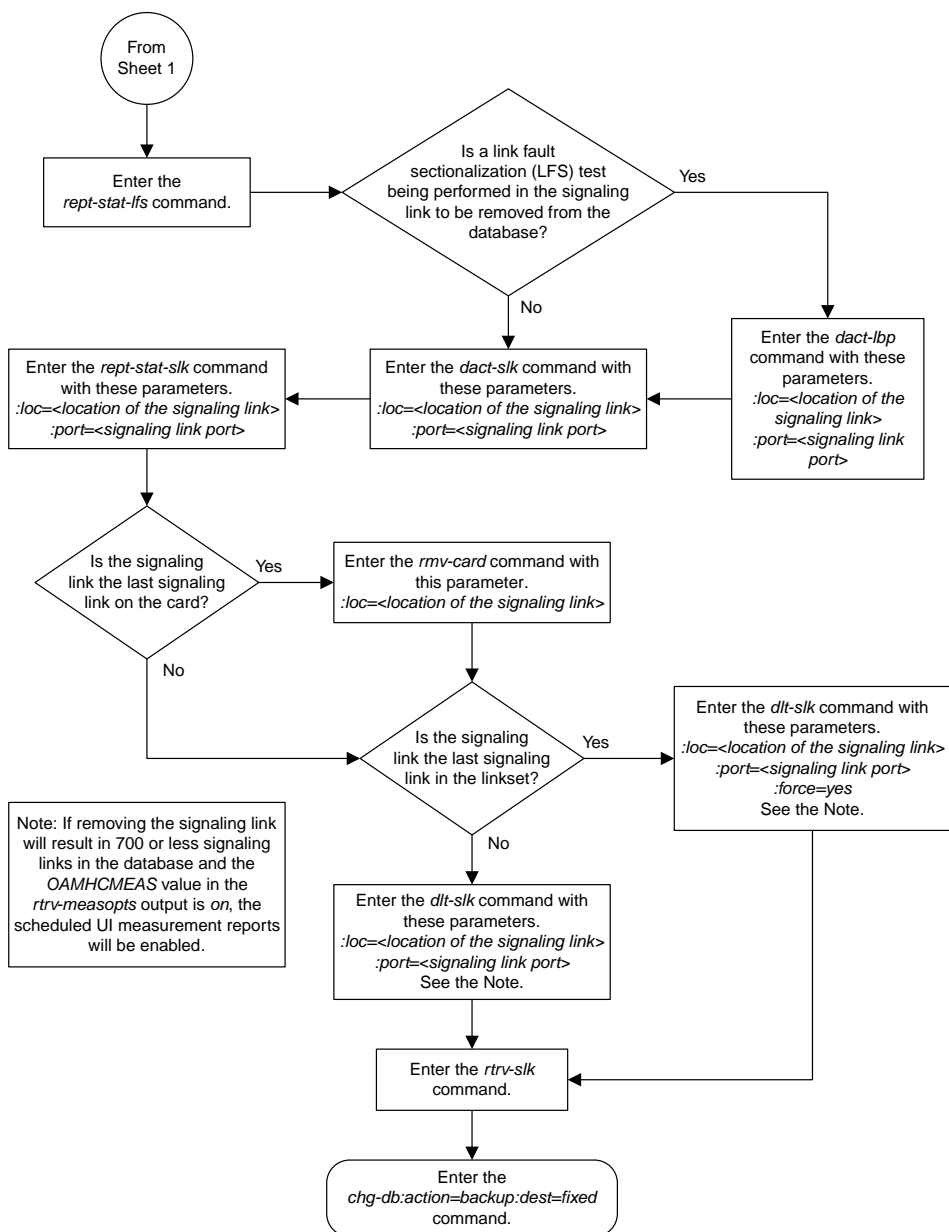


## Removing an SS7 Signaling Link



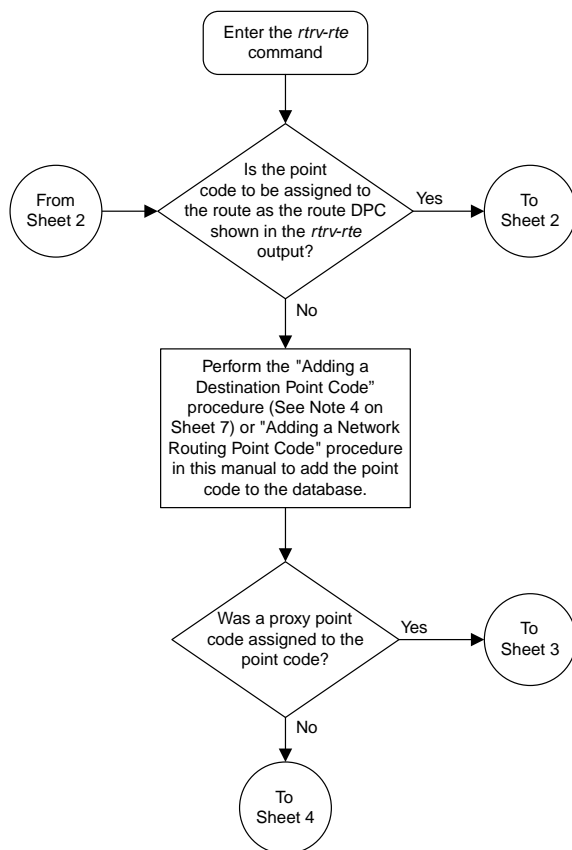
Sheet 1 of 2

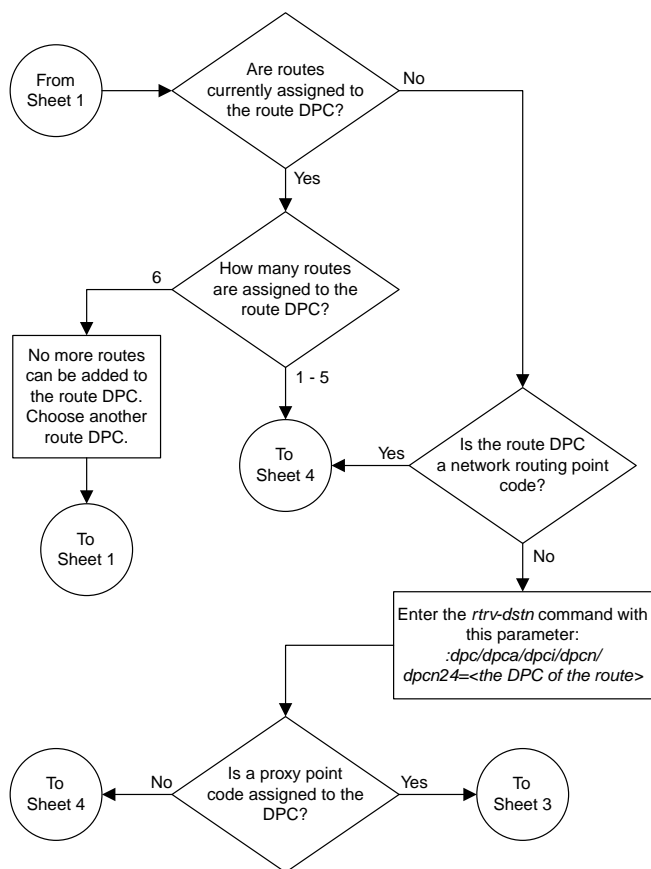




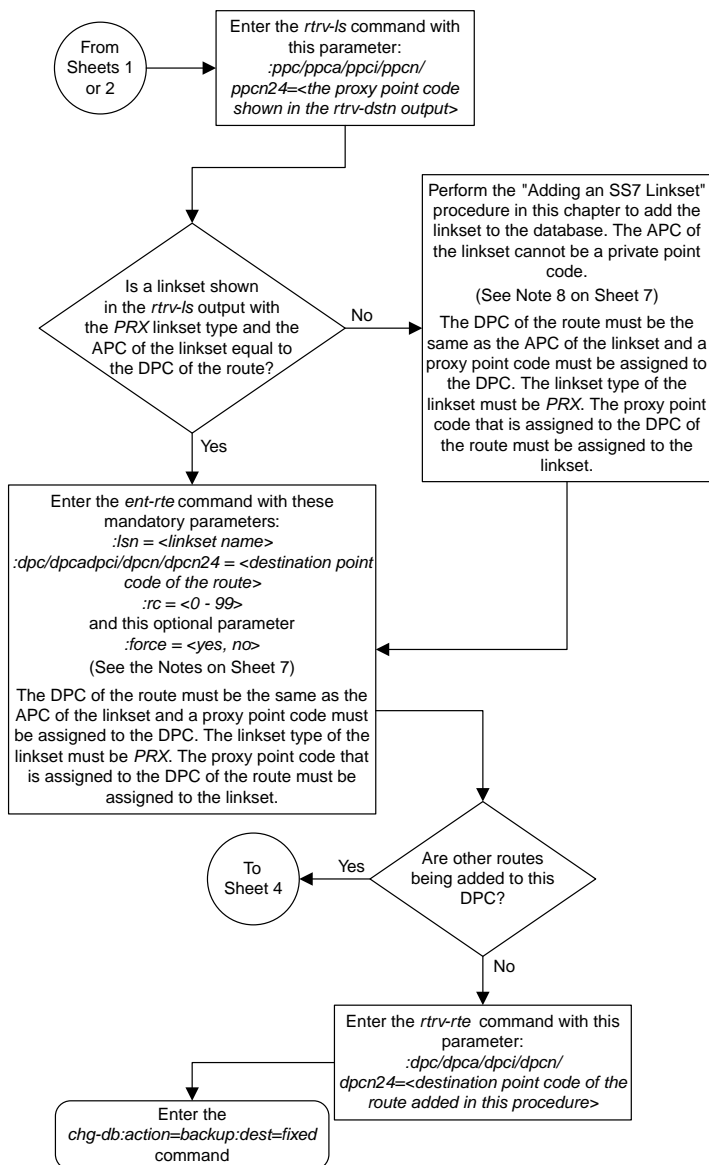
Sheet 2 of 2

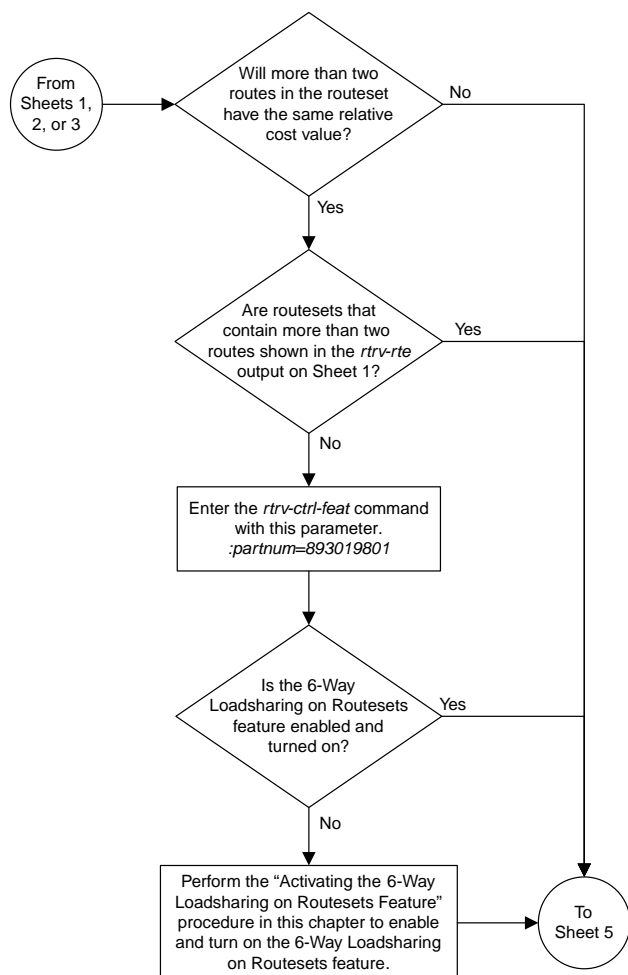
## Adding a Route Containing an SS7 DPC



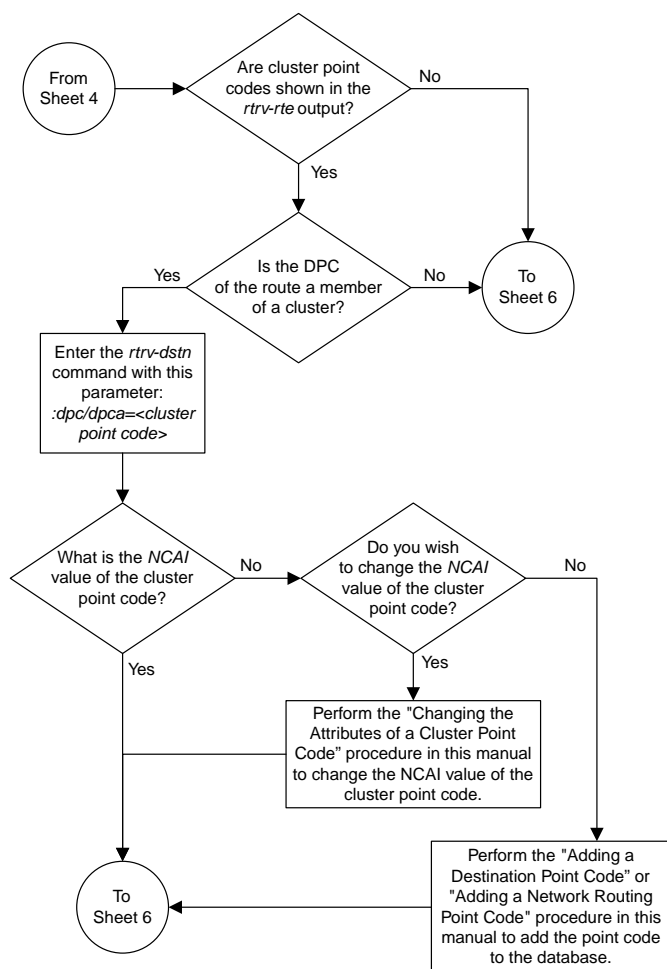


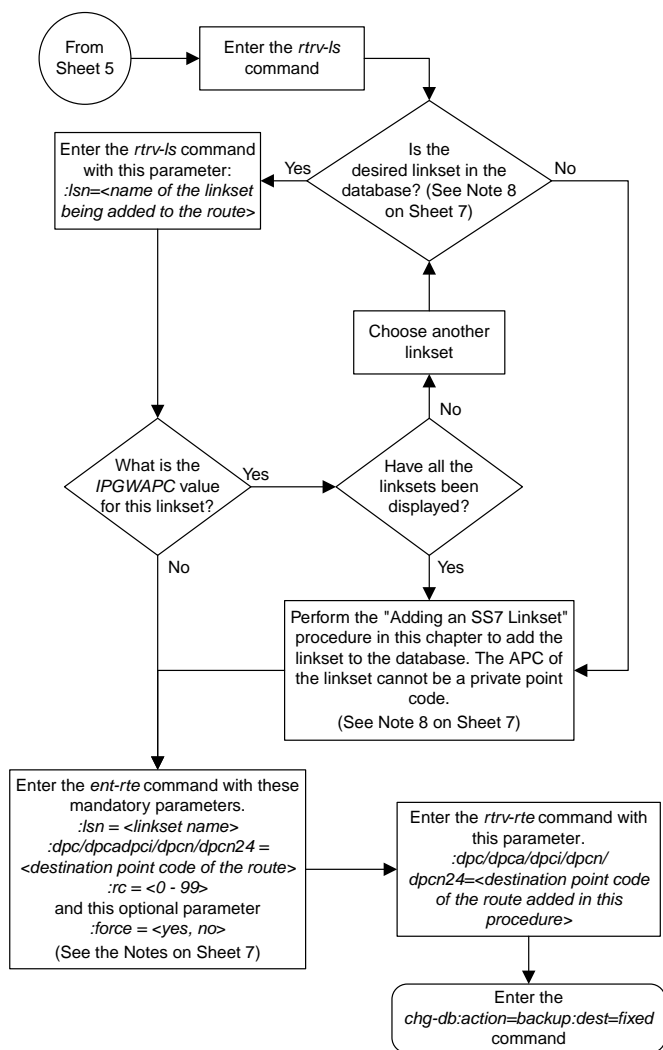
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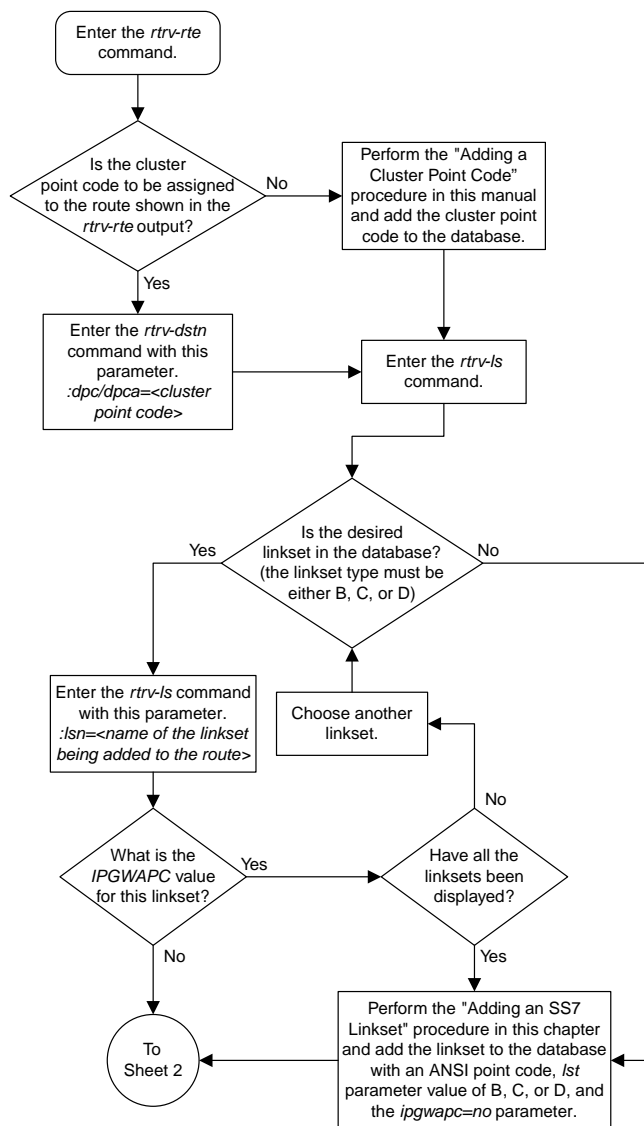
Sheet 6 of 7

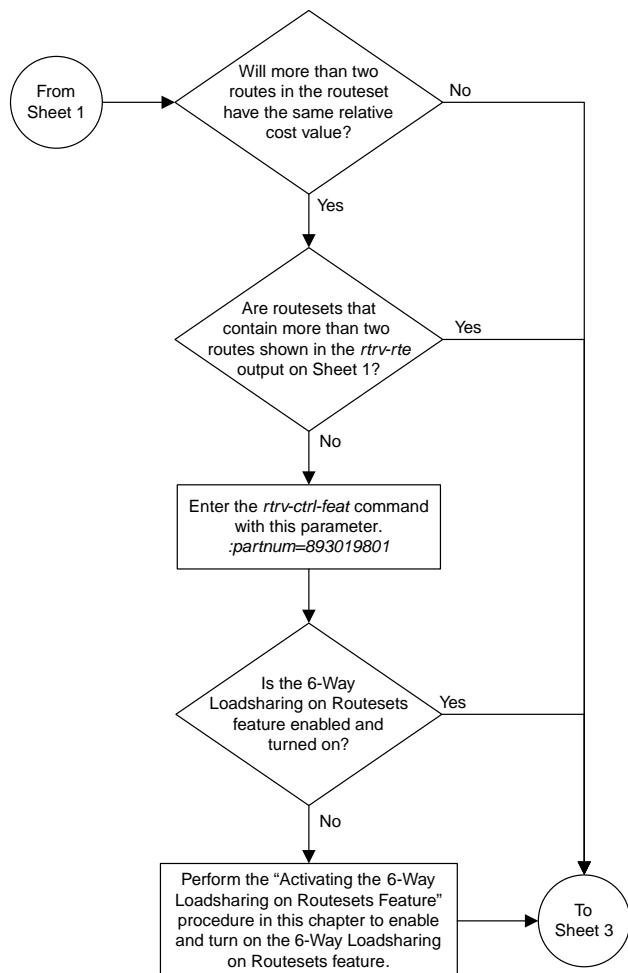
## Notes:

1. The *force=yes* parameter must be specified if the linkset being assigned to the route has no signaling links assigned to it. Otherwise, each linkset must have at least one signaling link assigned to it.
2. A route can contain a maximum of six linksets.
3. A maximum of two linksets can be assigned the same *rc* parameter value, if the 6-Way Loadsharing on Routesets feature is not enabled or turned on. If the 6-Way Loadsharing on Routesets feature is enabled and turned on, a maximum of six linksets in the route can have the same *rc* parameter value.
4. If the DPC of the route is a member of a cluster point code, and the nested cluster allowed indicator (*ncal* parameter of either the *ent-dstn* or *chg-dstn* command) is set to no, then the route to the DPC must be the same as the route to the cluster point code. If the nested cluster allowed indicator is set to yes, the route to the member of the cluster does not have to be the same as the route to the cluster point code.
5. For routes containing 14-bit ITU National DPCs with group codes, if the linkset assigned to the route has the MULTGC value set to yes, then 14-bit ITU National DPCs with group codes that are different from the linkset APC group code can be assigned to the route. If the MULTGC value is set to no, then only 14-bit ITU National DPCs with group codes that are the same as the linkset APC group code can be assigned to the route.
6. The DPC of the route must be of the same format as the APC of the linkset being added to the route. That is, routes containing ANSI DPCs must have linksets with ANSI APCs; routes containing ITU-I DPCs must have linksets with ITU-I APCs; routes containing 14-bit ITU-N DPCs must have linksets with 14-bit ITU-N APCs; routes containing 24-bit ITU-N DPCs must have linksets with 24-bit ITU-N APCs. The DPC of the route must be defined as a true point code in the *rtrv-dstn* output. Alias point codes and secondary point codes cannot be used. True point codes are shown in the output of the *rtrv-dstn* command in the *DPCA*, *DPCI*, *DPCN*, or *DPCN24* fields.
7. Private point codes can be specified as the DPC of a route only if the linkset assigned to the route is an IPGWx linkset (a linkset that has the *ipgwapc=yes* parameter assigned to it).
8. If the DPC of the route is a network routing point code, the link set type of the linkset assigned to the route must be either B, C, or D.

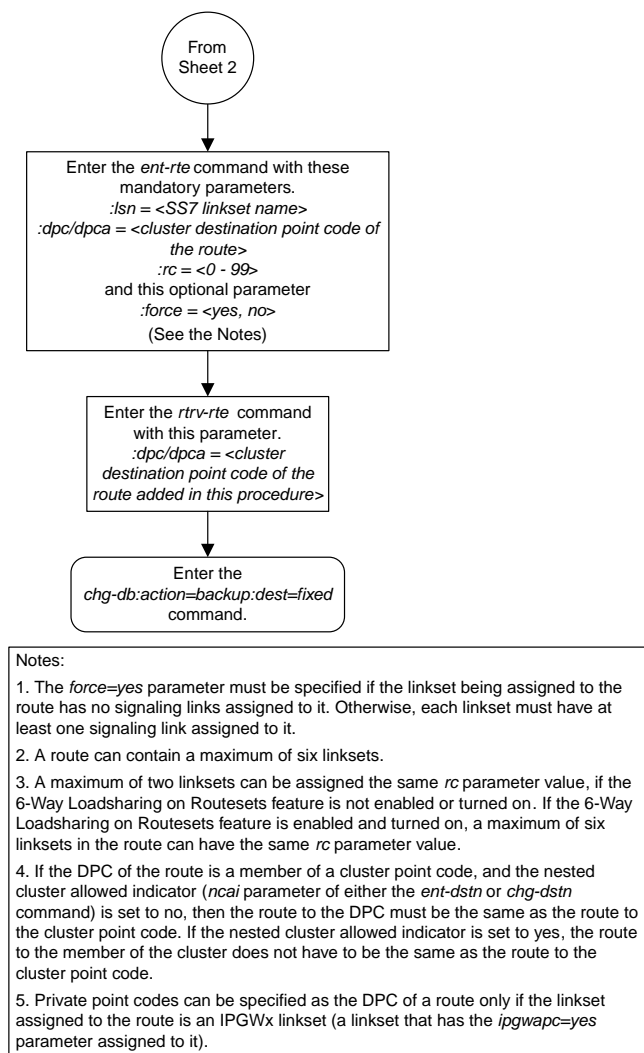


## Adding a Route Containing a Cluster Point Code



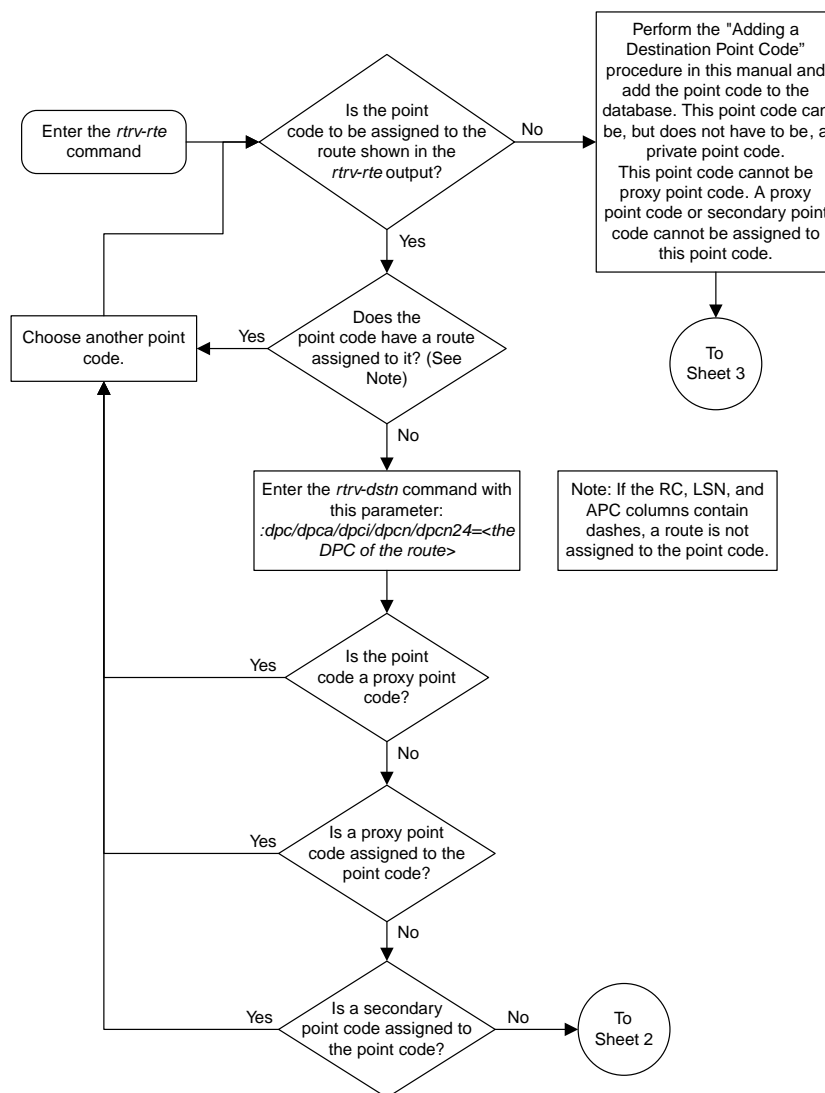


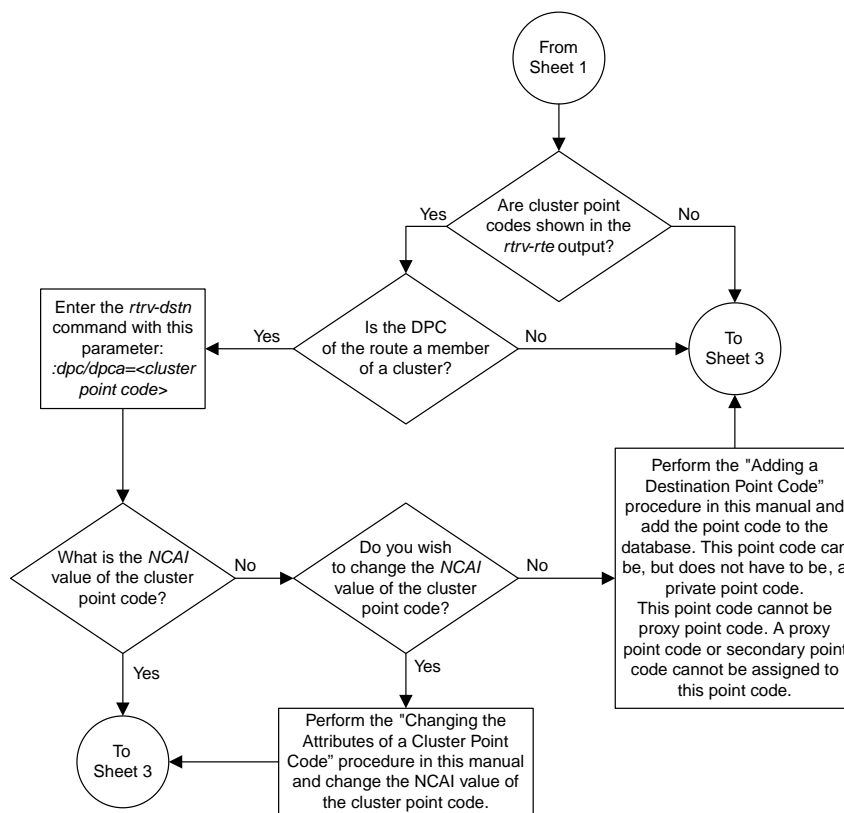
Sheet 2 of 3

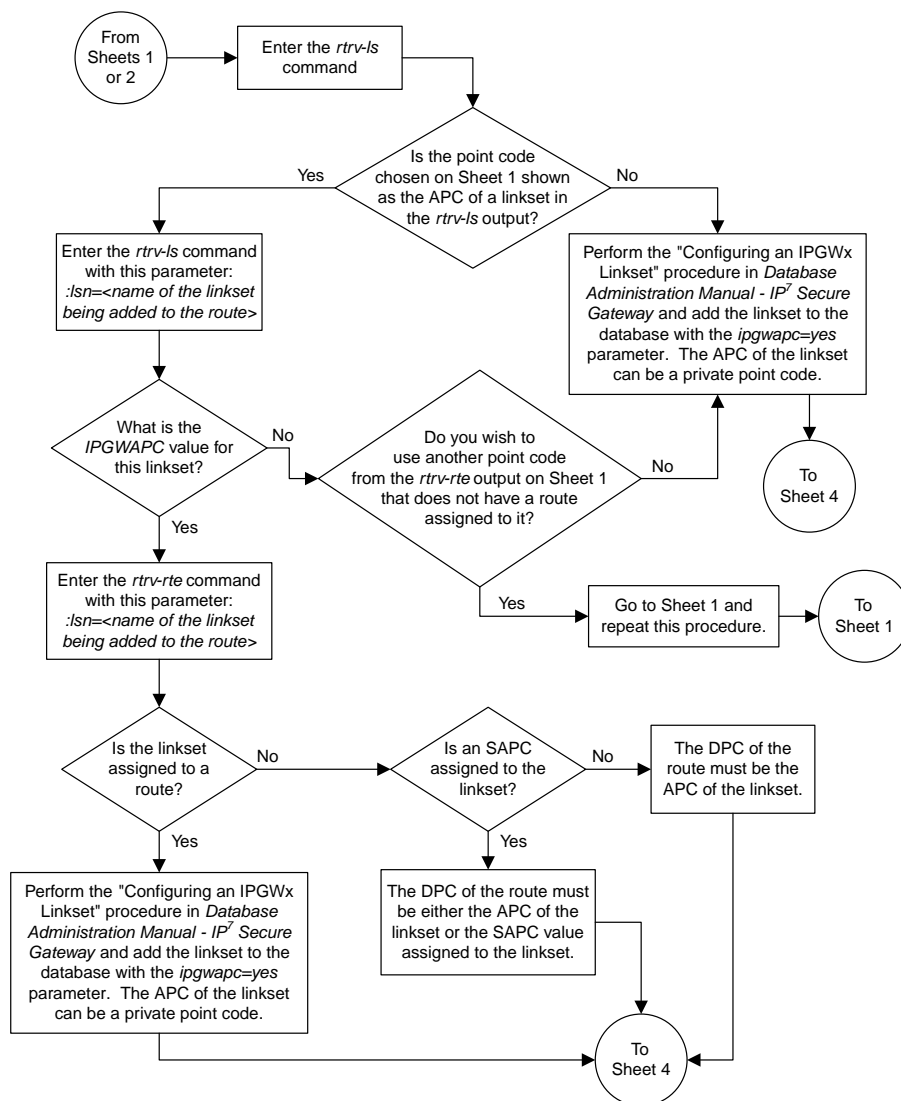


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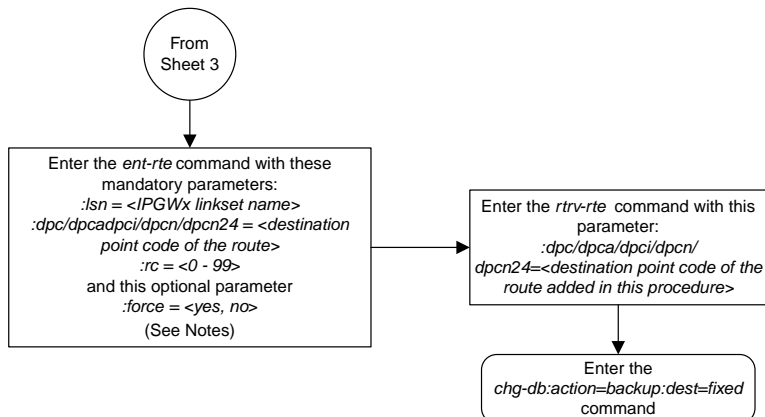
## Adding a Route Containing an IPGWx Linkset







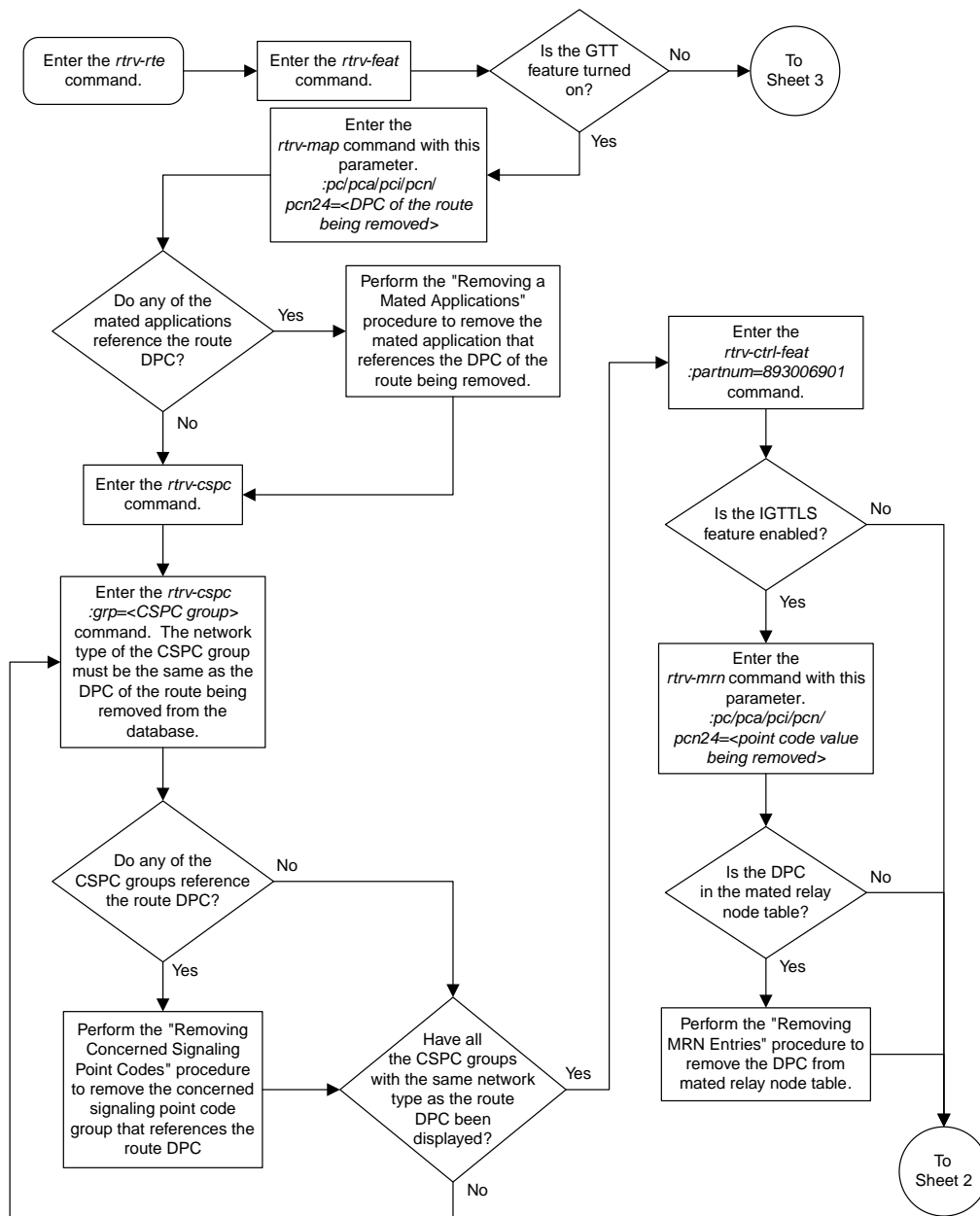
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## Notes:

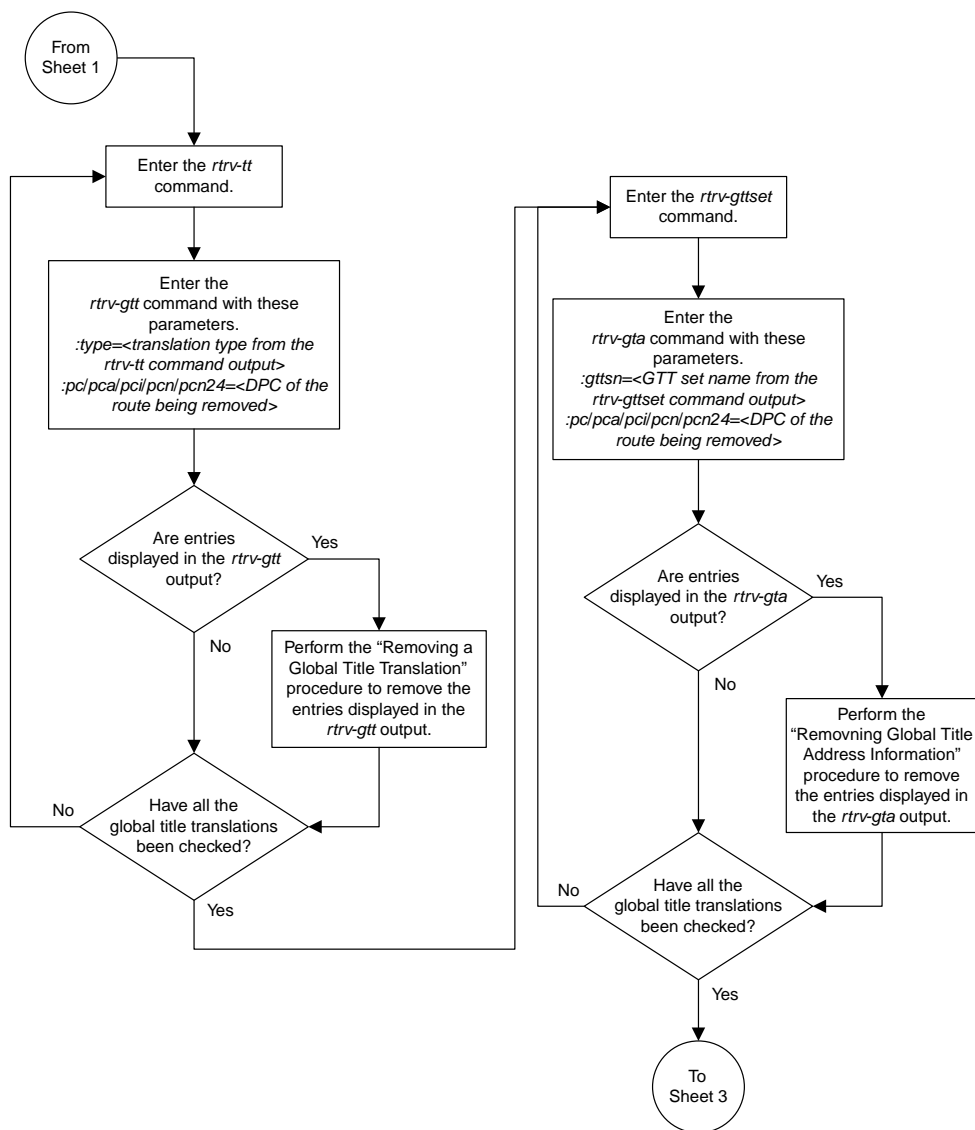
1. The *force=yes* parameter must be specified if the linkset being assigned to the route has no signaling links assigned to it. Otherwise, each linkset must have at least one signaling link assigned to it.
2. A route can contain only one linkset.
3. If the DPC of the route is a member of a cluster point code, and the nested cluster allowed indicator (*ncal* parameter of either the *ent-dstn* or *chg-dstn* command) is set to no, then the route to the DPC must be the same as the route to the cluster point code. If the nested cluster allowed indicator is set to yes, the route to the member of the cluster does not have to be the same as the route to the cluster point code.
4. For routes containing 14-bit ITU National DPCs with group codes, if the linkset assigned to the route has the MULTGC value set to yes, then 14-bit ITU National DPCs with group codes that are different from the linkset APC group code can be assigned to the route. If the MULTGC value is set to no, then only 14-bit ITU National DPCs with group codes that are the same as the linkset APC group code can be assigned to the route.
5. The DPC of the route must be the APC of the linkset, or the SAPC assigned to the linkset. The DPC of the route must be of the same format as the APC of the linkset being added to the route. That is, a route containing an ANSI DPC must have a linkset with an ANSI APC; a route containing an ITU-I DPC must have a linkset with an ITU-I APC; a route containing a 14-bit ITU-N DPC must have a linkset with a 14-bit ITU-N APC; a route containing a 24-bit ITU-N DPC must have a linkset with a 24-bit ITU-N APC.  
  
The DPC of the route must be defined as a true point code in the *rtrv-dstn* output. Cluster point codes, network routing point codes, alias point codes, secondary point codes, and proxy point codes cannot be used. True point codes are shown in the output of the *rtrv-dstn* command in the *DPCA*, *DPCI*, *DPCN*, or *DPCN24* fields.  
  
For a linkset with an ITU APC, if that linkset has an SAPC assigned to it, the DPC of the route can be either the APC of the linkset or the SAPC assigned to the linkset. The format of the SAPC can be different from the APC of the linkset.  
  
For a linkset with an ITU APC, if that linkset does not have an SAPC assigned to it, the DPC of the route must be the APC of the linkset.
6. Private point codes can be specified as the DPC of a route only if the linkset assigned to the route is an IPGWx linkset (a linkset that has the *ipgwapc=yes* parameter assigned to it).

## Removing a Route

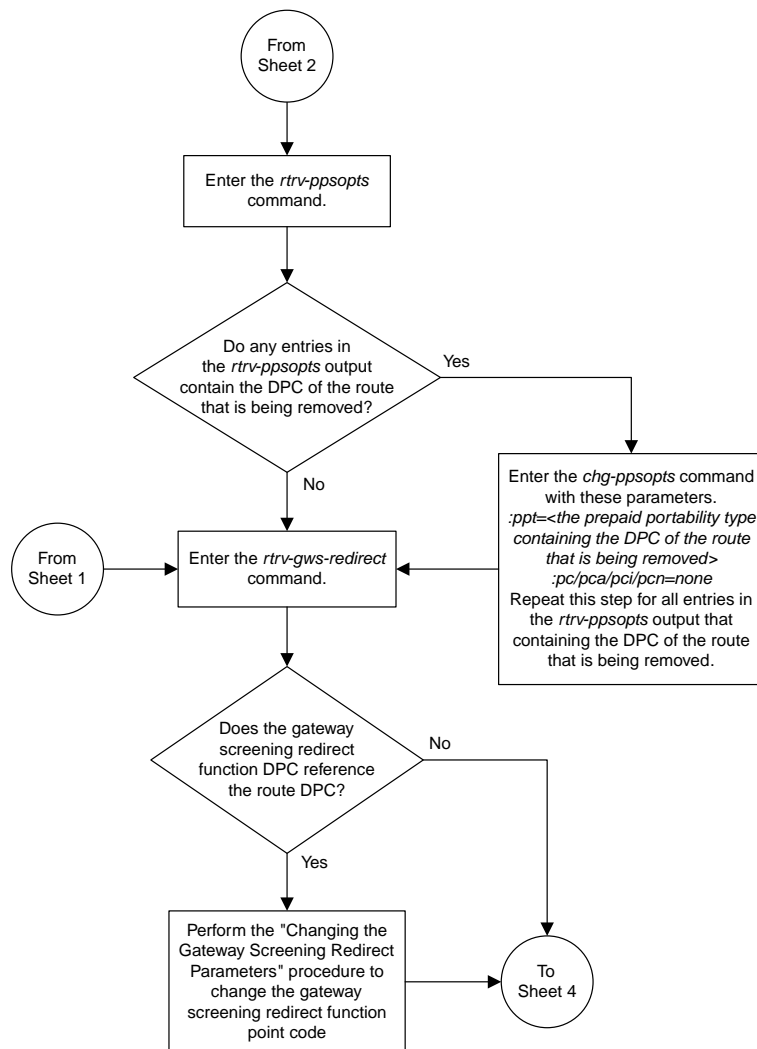


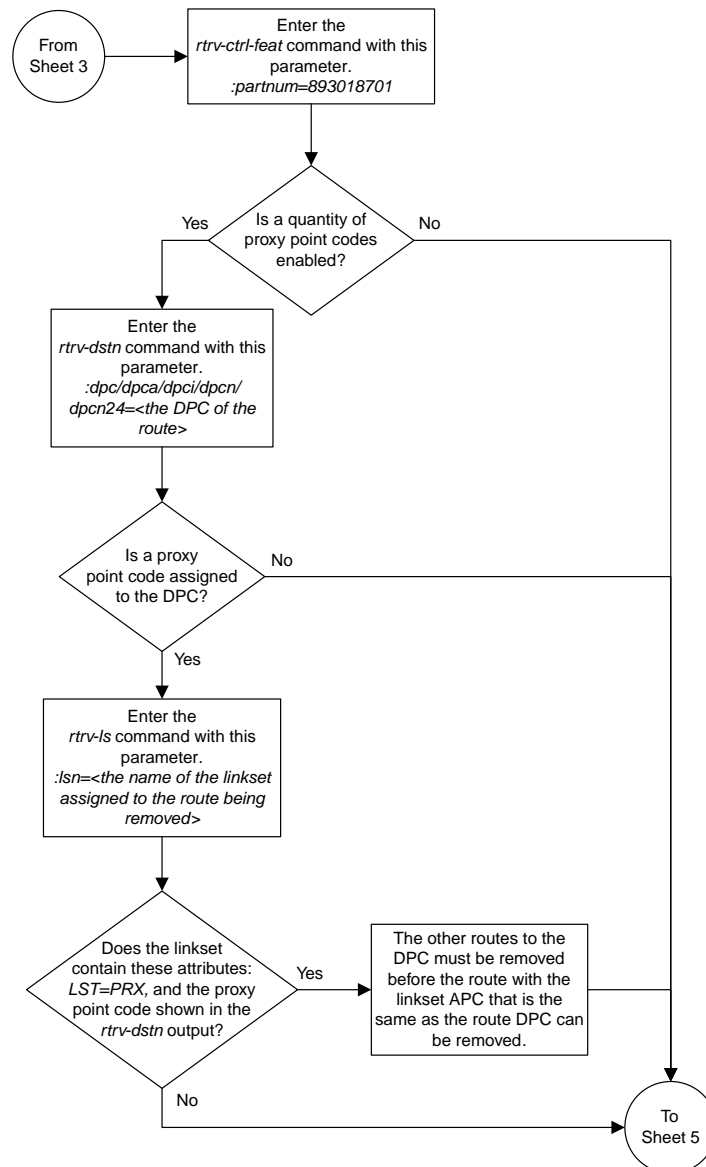
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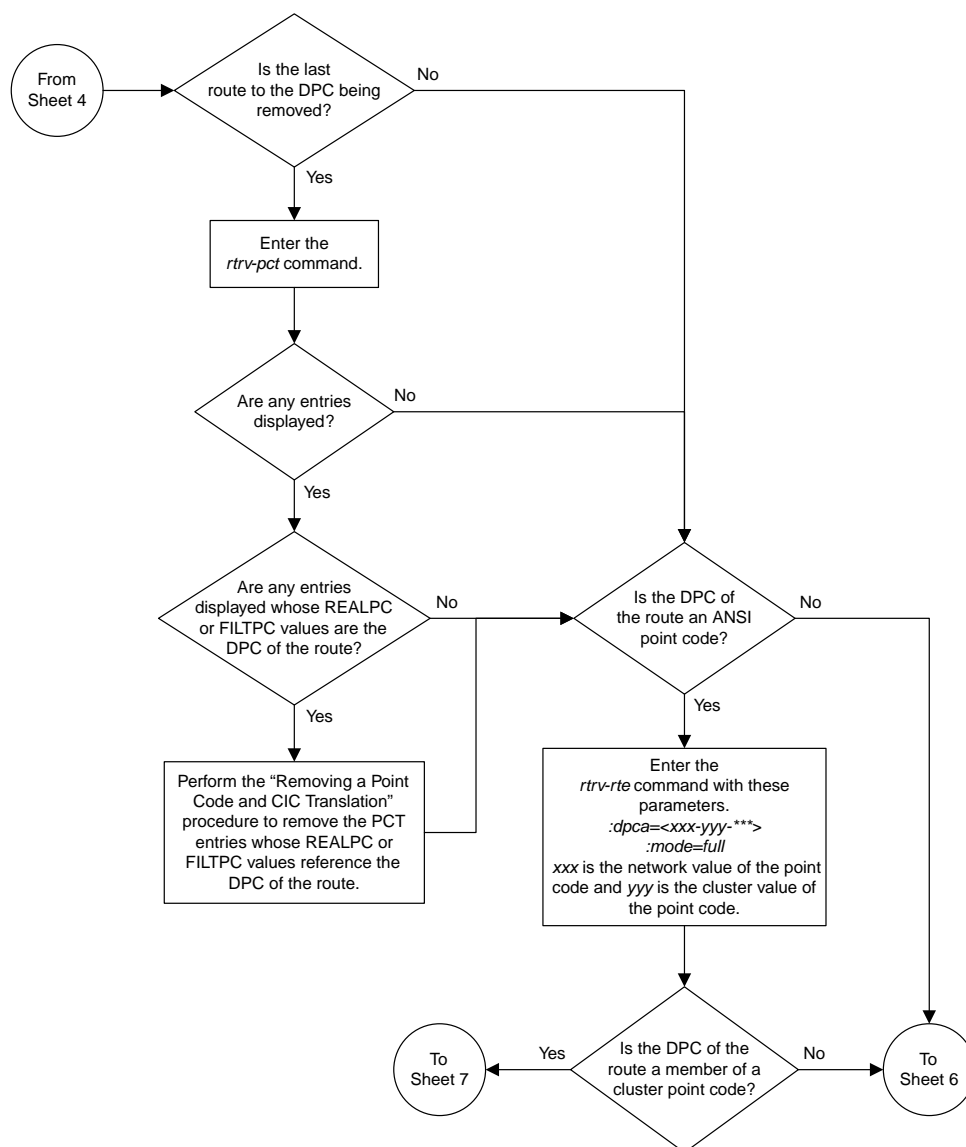


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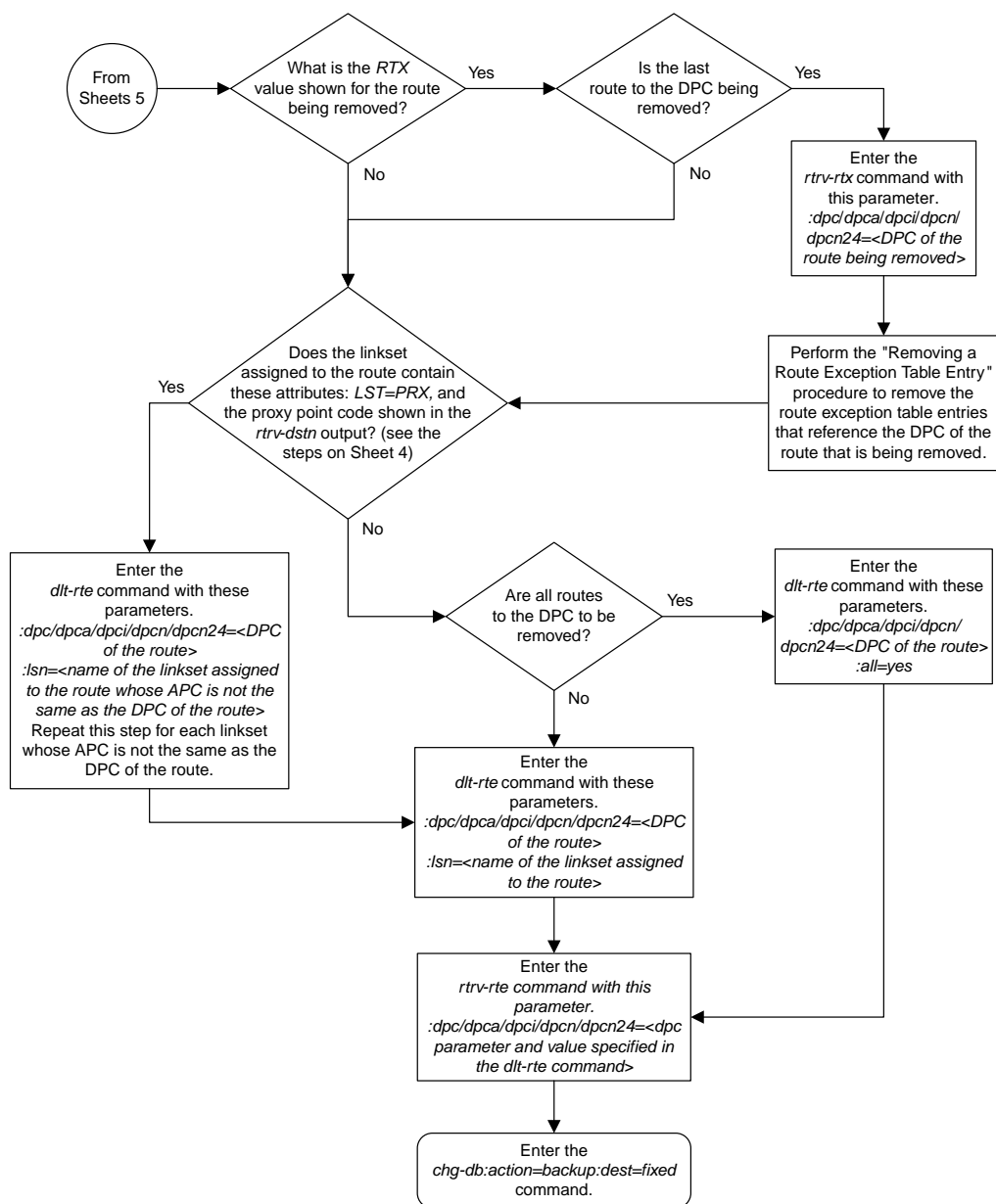


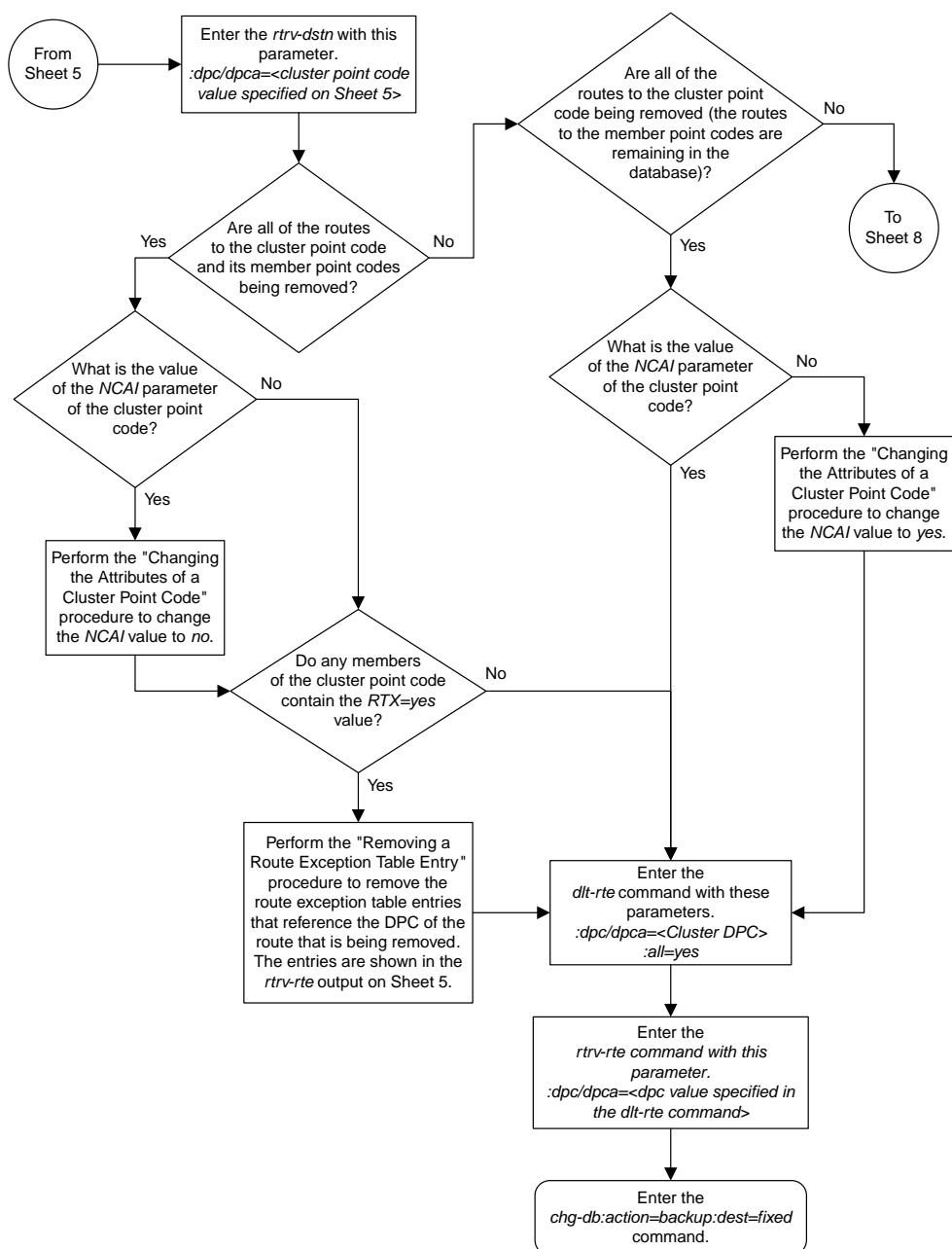


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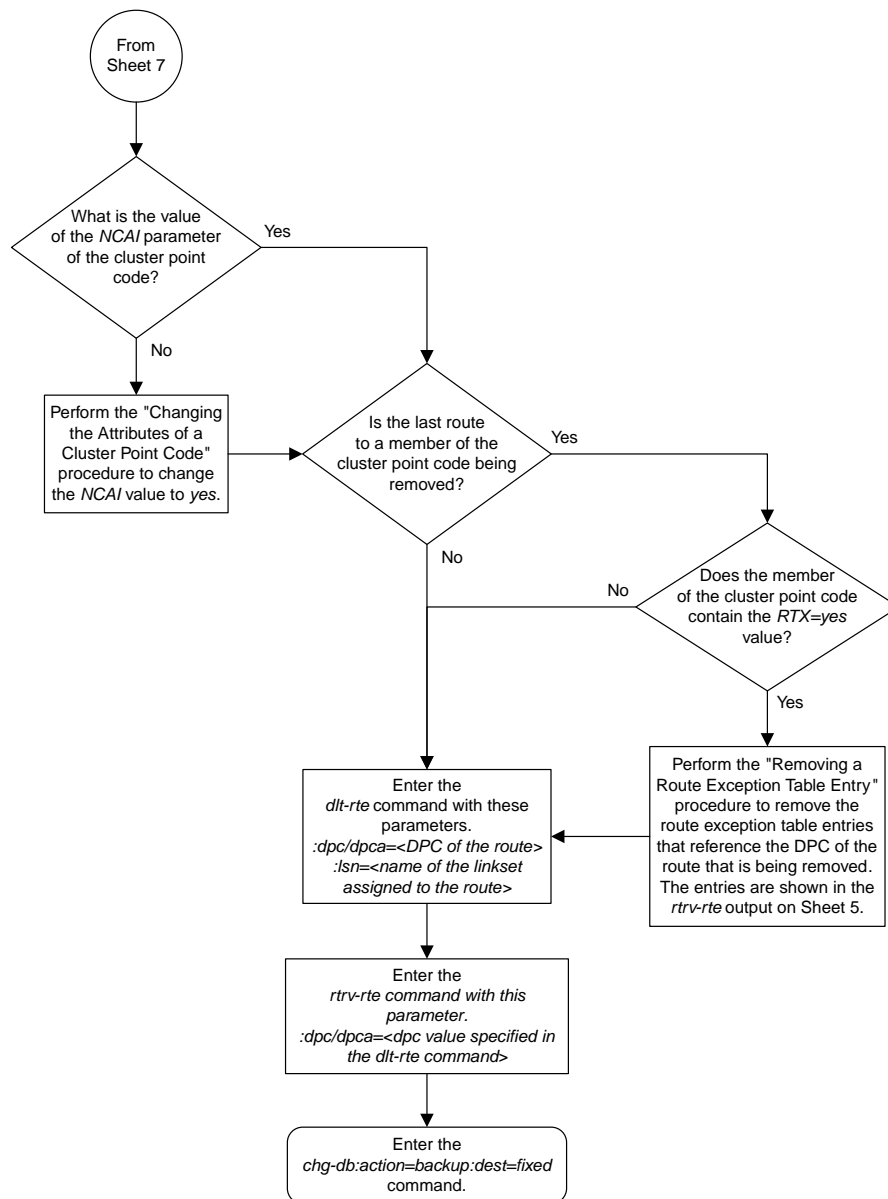


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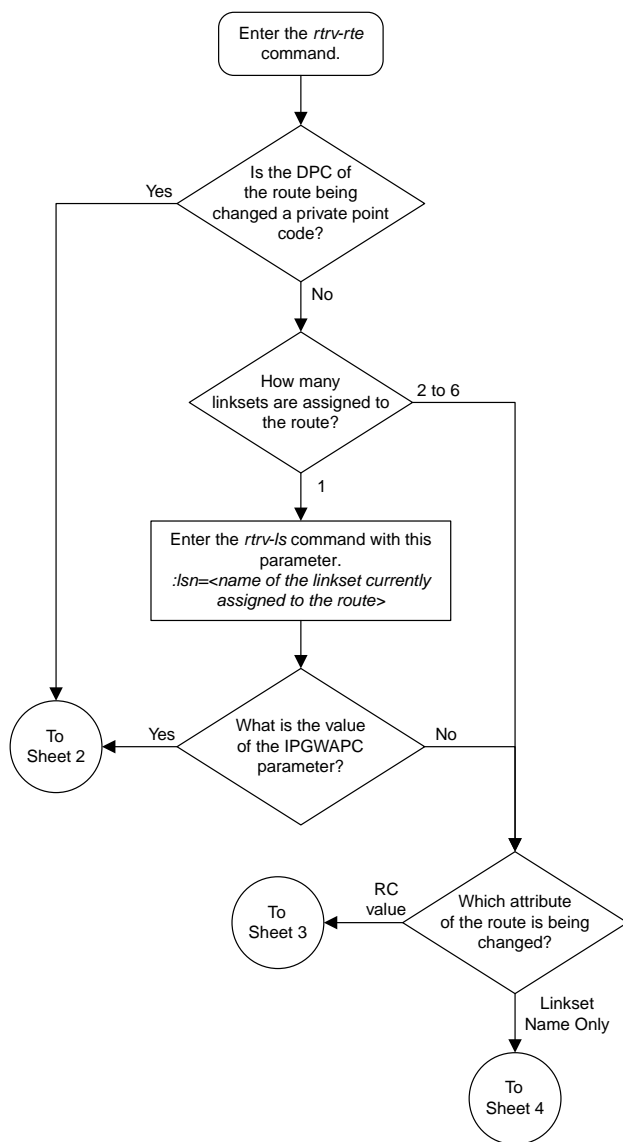




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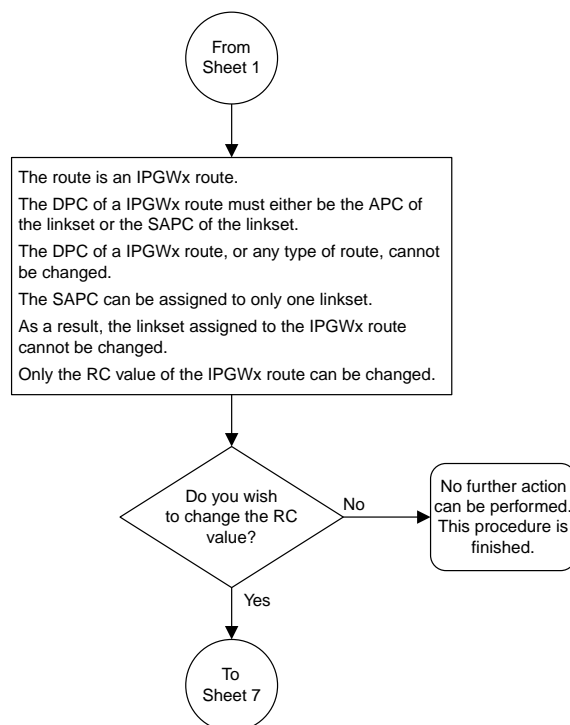


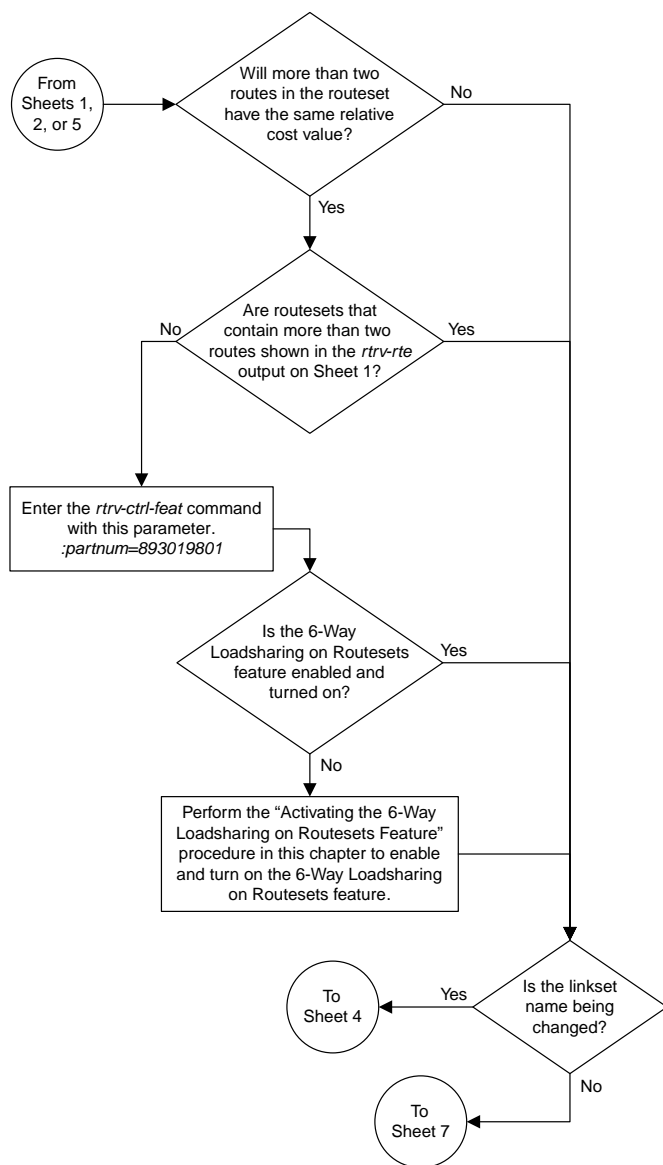
## Changing a Route



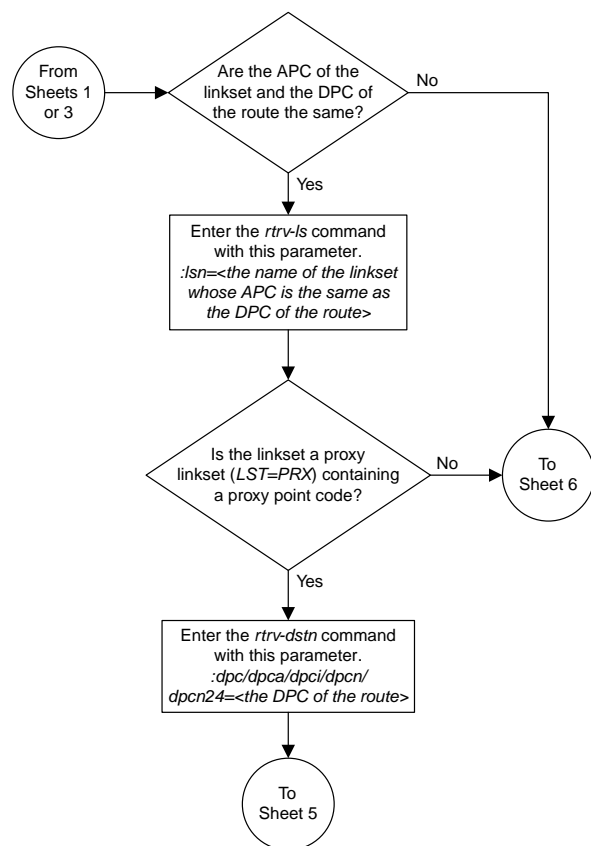
Sheet 1 of 8

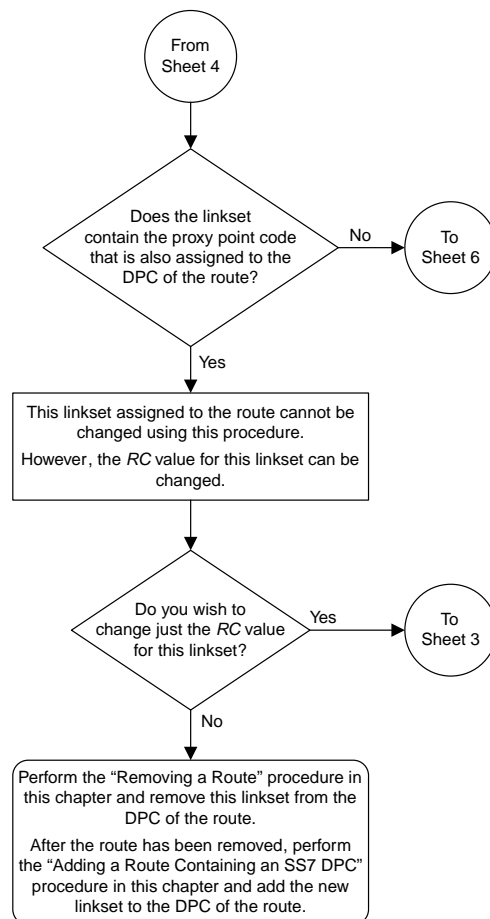


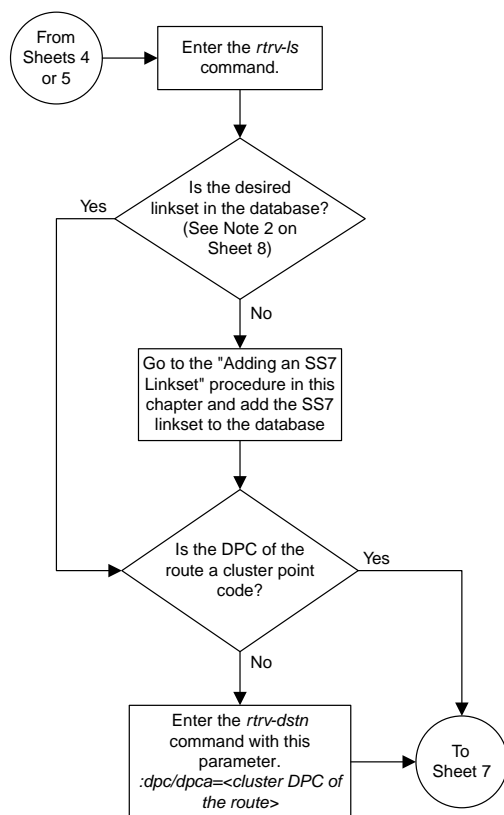


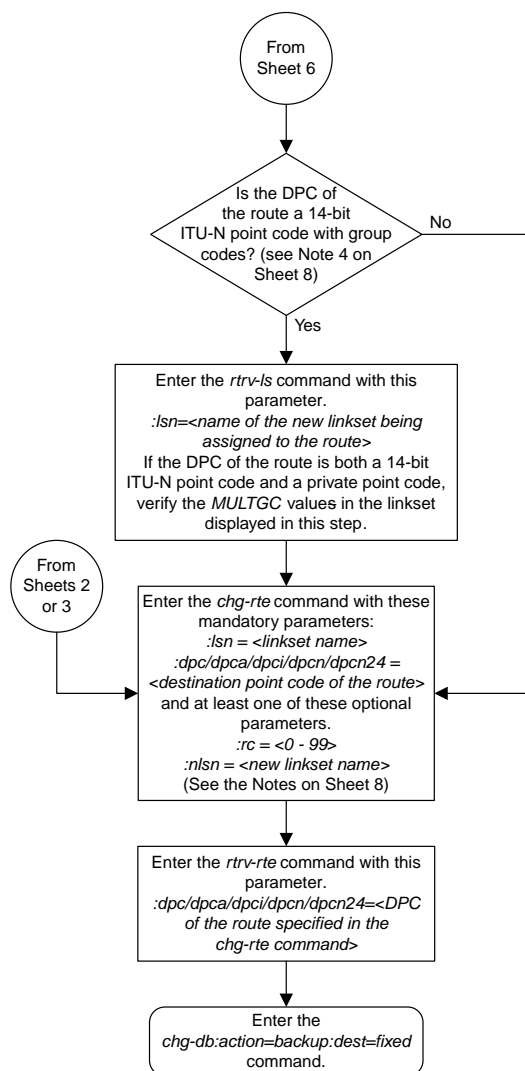


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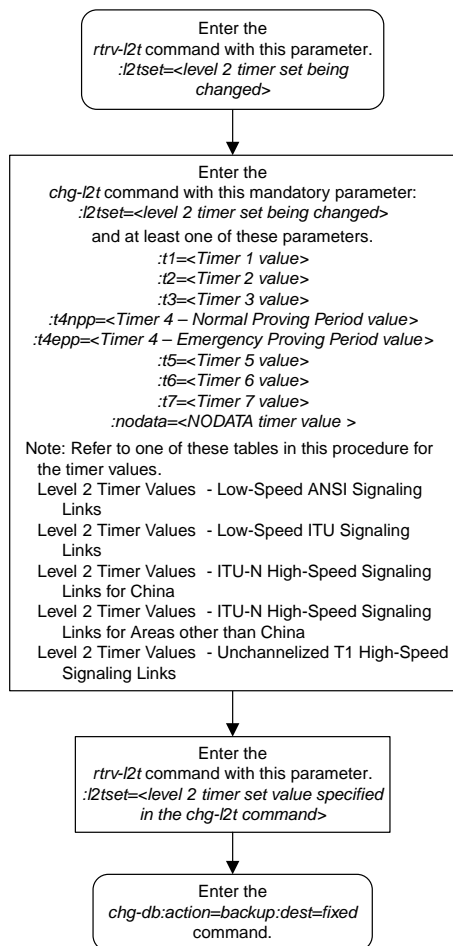


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## Notes:

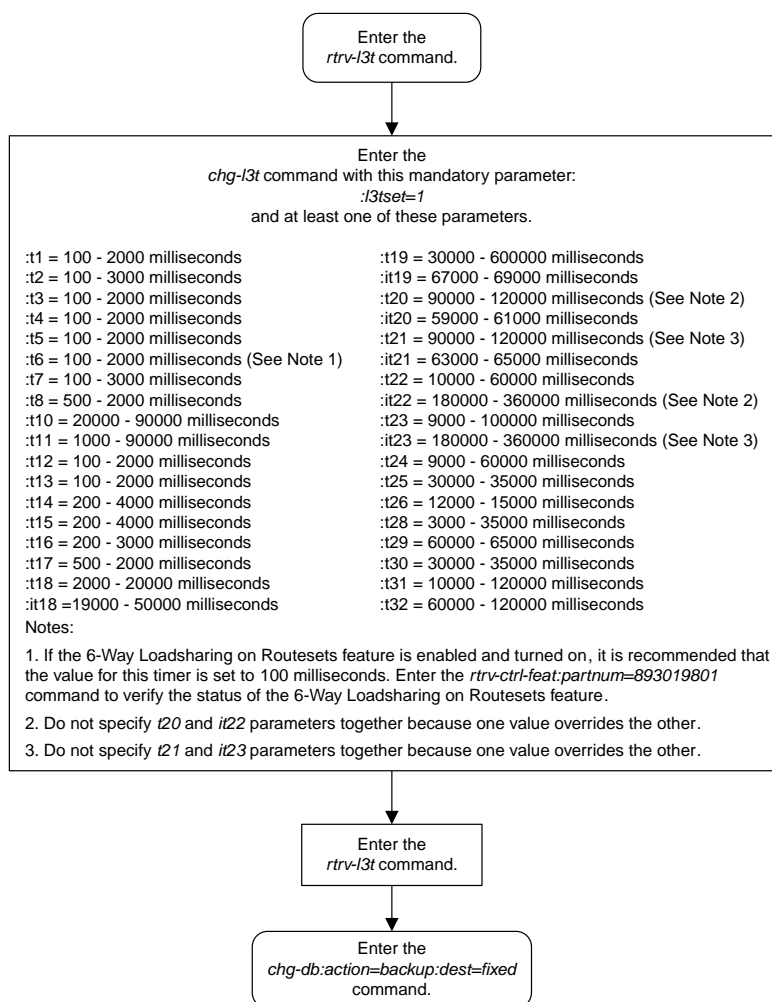
1. An IPGWx route can contain only one linkset, and only the *rc* parameter value for an IPGWx route can be changed. For an SS7 route other than an IPGWx route, a maximum of two linksets can be assigned the same *rc* parameter value, if the 6-Way Loadsharing on Routesets feature is not enabled or turned on. If the 6-Way Loadsharing on Routesets feature is enabled and turned on, a maximum of six linksets in the route can have the same *rc* parameter value.
2. If the DPC of the route is a cluster point code or a network routing point code, the link set type of the linkset assigned to the route must be either B, C, or D.
3. If the DPC of the route is a member of a cluster point code, and the nested cluster allowed indicator (*ncal* parameter of either the *ent-dstn* or *chg-dstn* command) is set to no, then the route to the DPC must be the same as the route to the cluster point code. If the nested cluster allowed indicator is set to yes, the route to the member of the cluster does not have to be the same as the route to the cluster point code.
4. For routes containing 14-bit ITU National DPCs with group codes, if the linkset assigned to the route has the MULTGC value set to yes, then the group code of the linkset's APC can be different from the group code of the route's DPC. If the MULTGC value is set to no, then the group code of the linkset's APC must be the same as the group code of the route's DPC.
5. If the DPC of the route is a cluster point code, the linksets that will be assigned to the route, with the *nlsn* parameter, cannot specify the *ipgwapc=yes* parameter.
6. The DPC of the route must be of the same format as the APC of the linkset being added to the route. That is, routes containing ANSI DPCs must have linksets with ANSI APCs; routes containing ITU-I DPCs must have linksets with ITU-I APCs; routes containing 14-bit ITU-N DPCs must have linksets with 14-bit ITU-N APCs; routes containing 24-bit ITU-N DPCs must have linksets with 24-bit ITU-N APCs.

## Changing Level 2 Timers

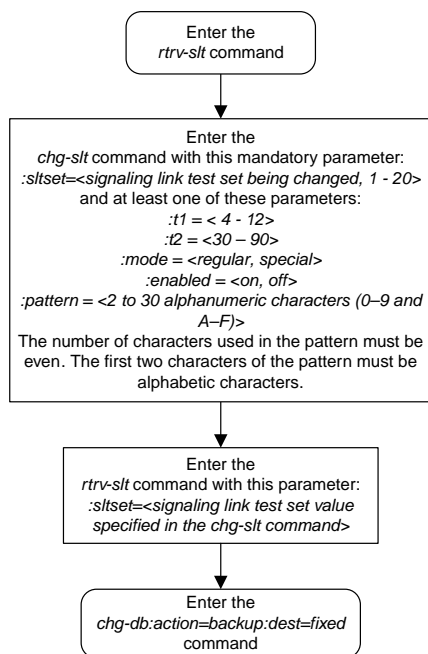




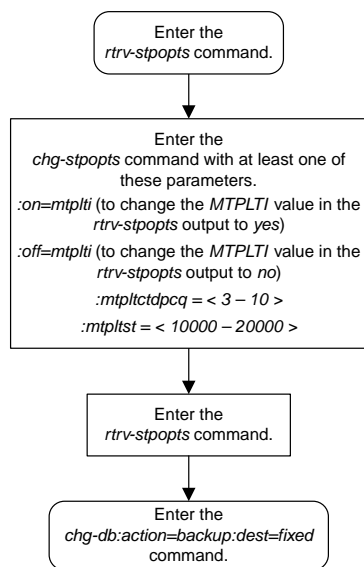
## Changing Level 3 Timers



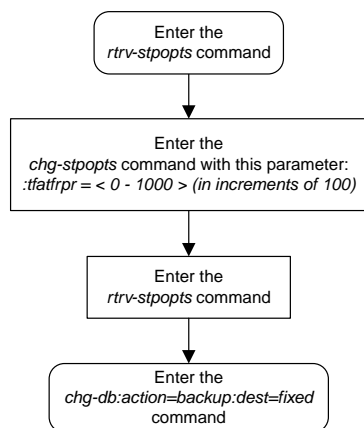
## Changing a Signaling Link Test Message



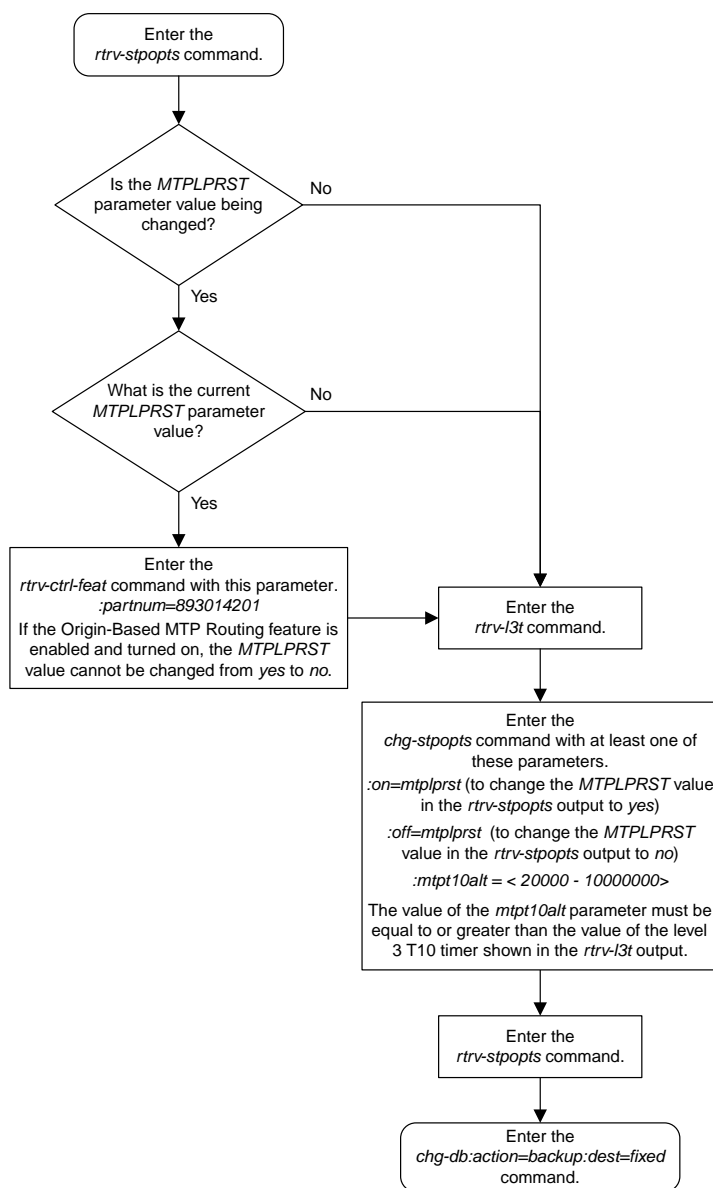
## Configuring Circular Route Detection



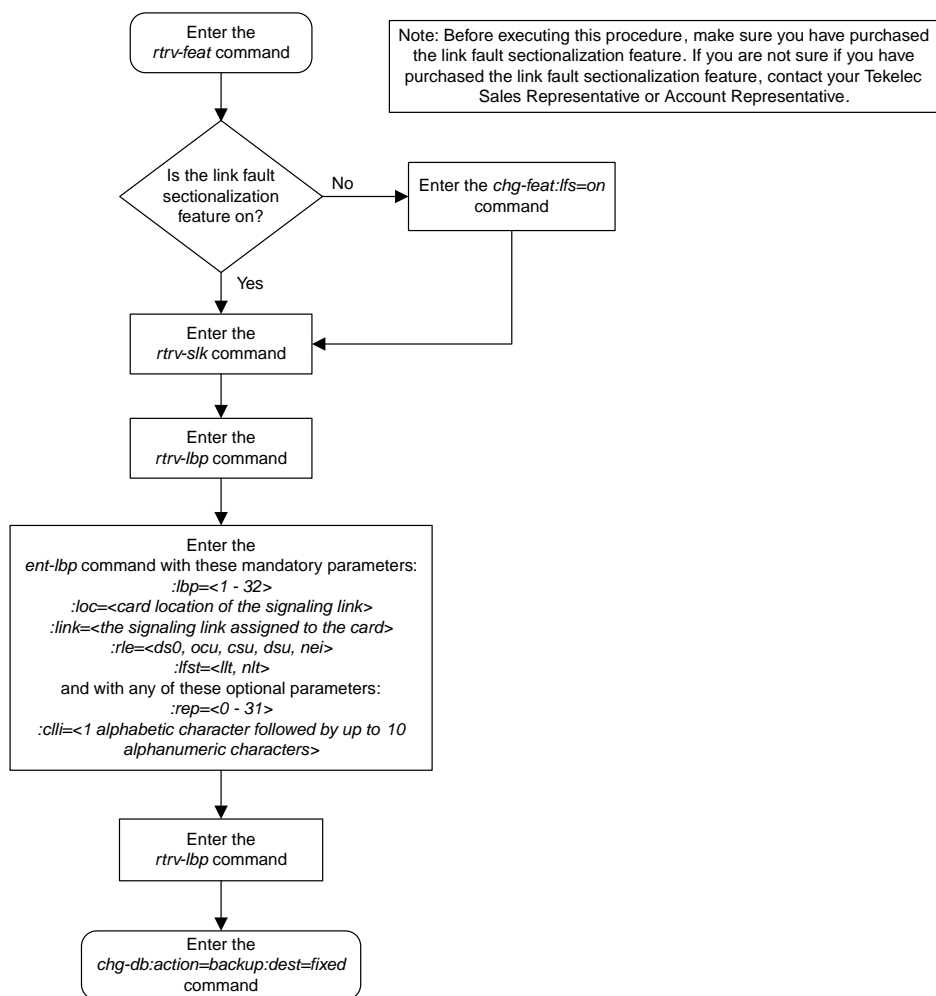
## Configuring the TFA/TFR Pacing Rate



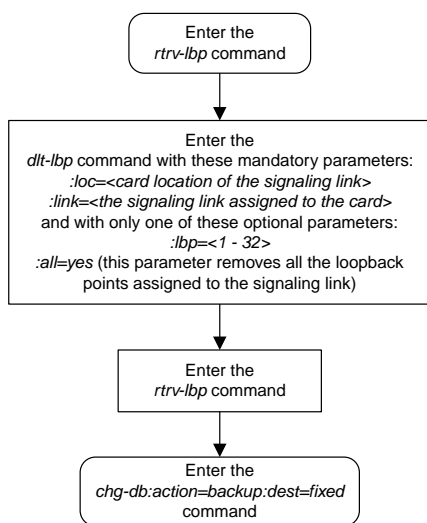
## Configuring the Frequency of RST Messages on Low Priority Routes



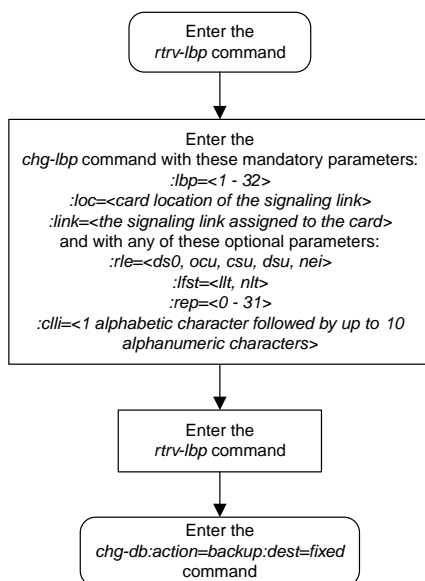
## Adding Remote Loopback Points



## Removing Remote Loopback Points

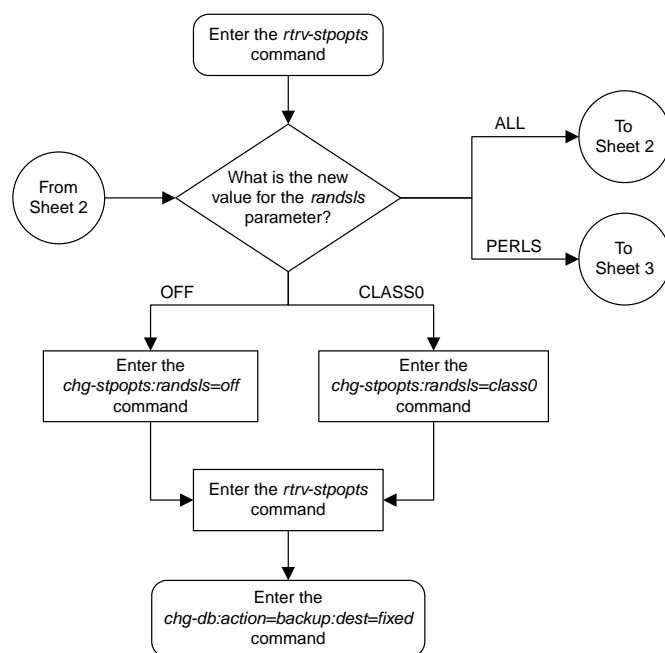


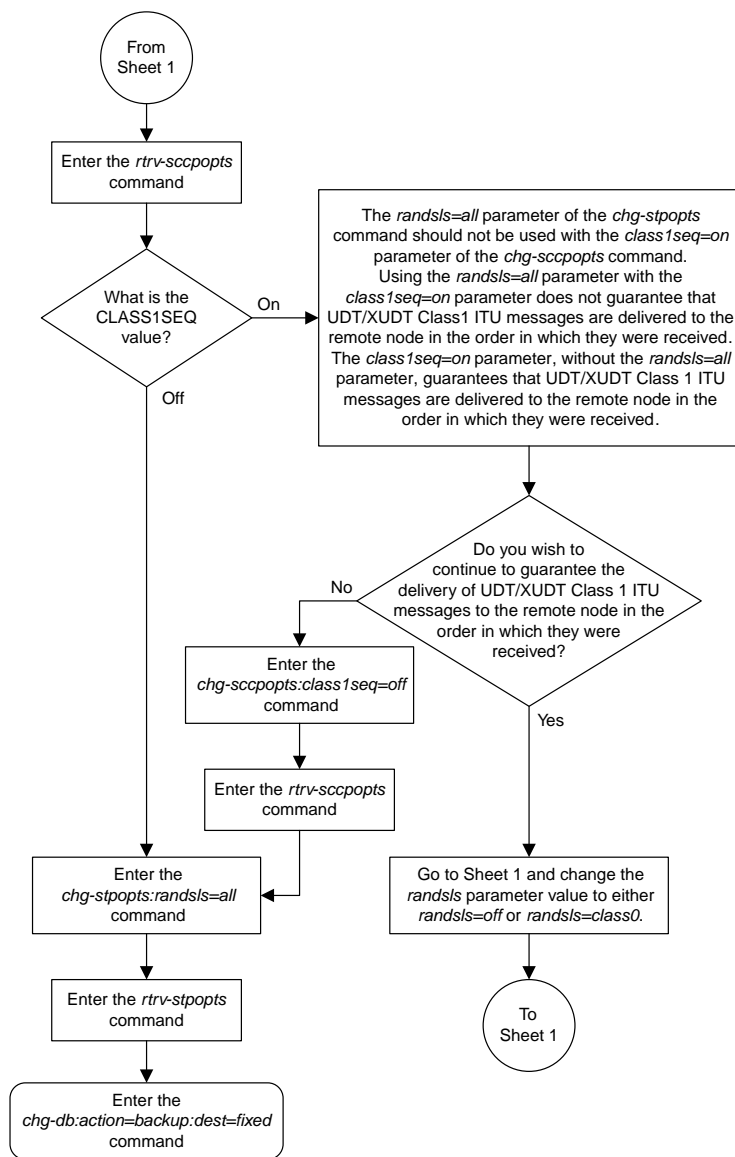
## Changing Remote Loopback Points



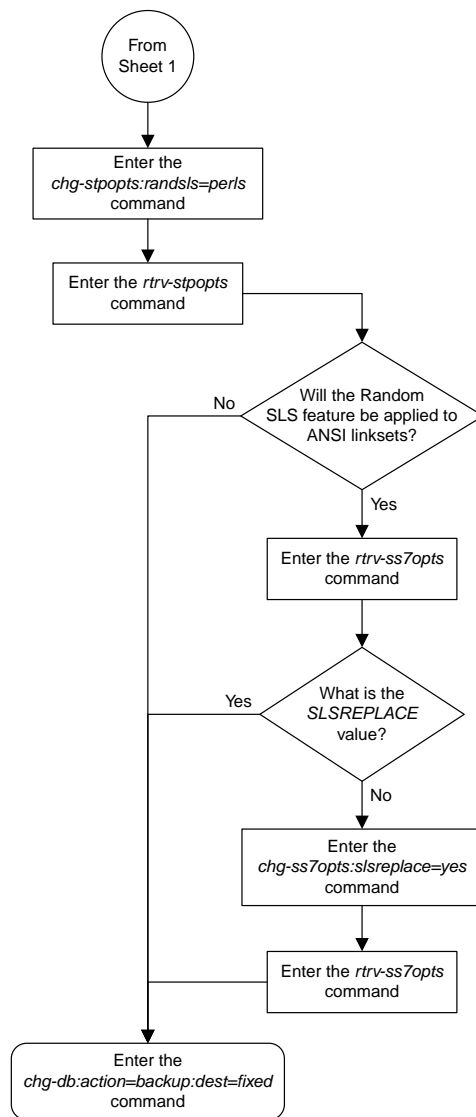


## Configuring the System for Random SLS Generation



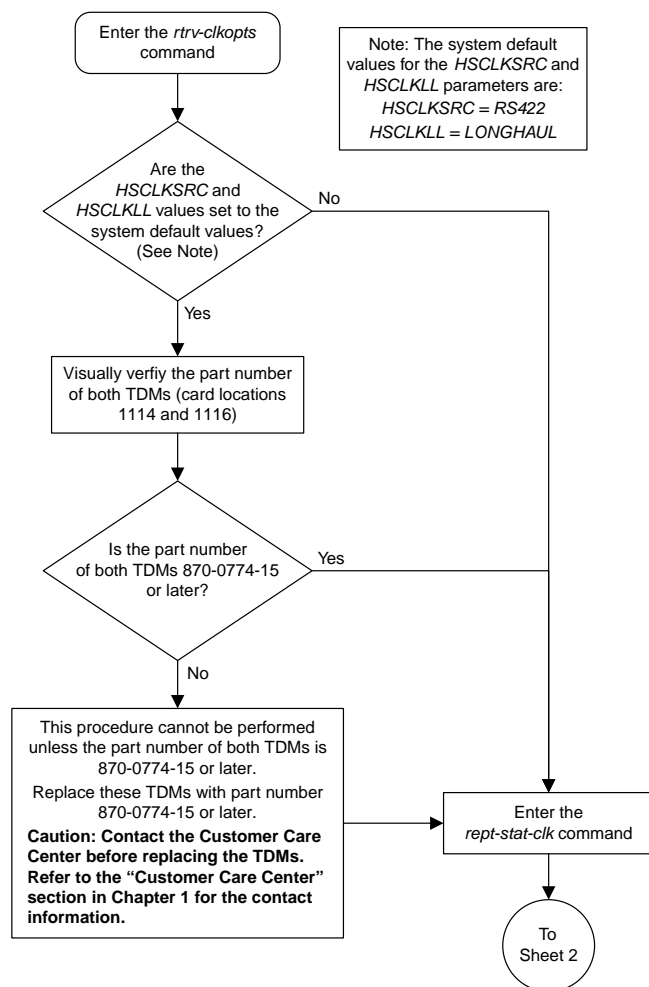


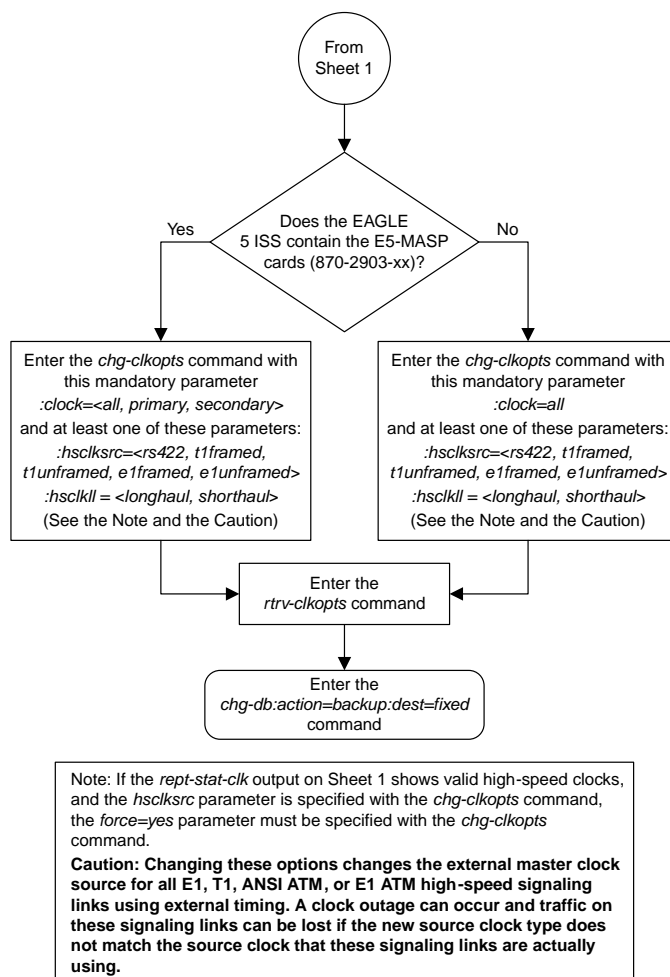
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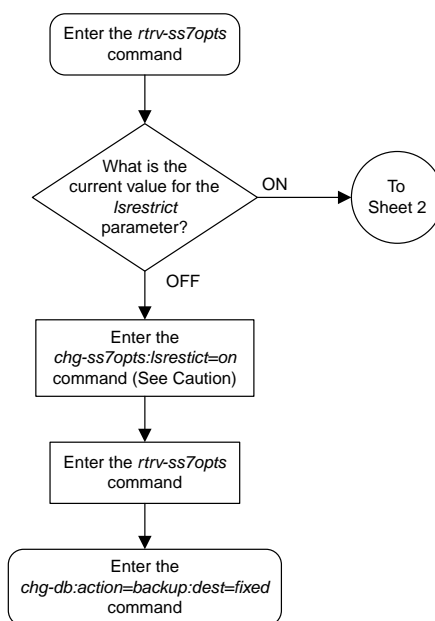
Sheet 3 of 3

## Configuring the Options for the TDM Global Timing Interface

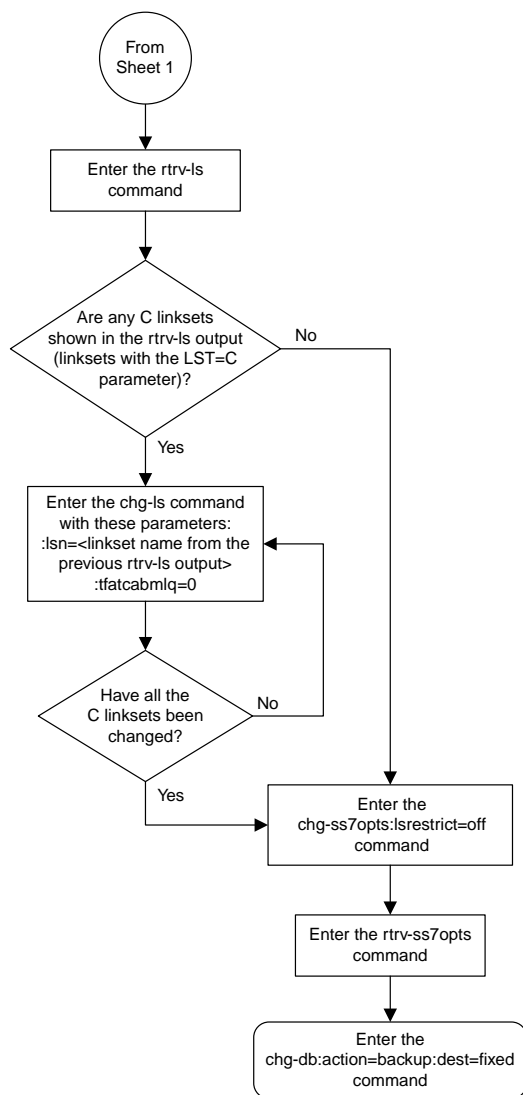




## Configuring the Restricted Linkset Option

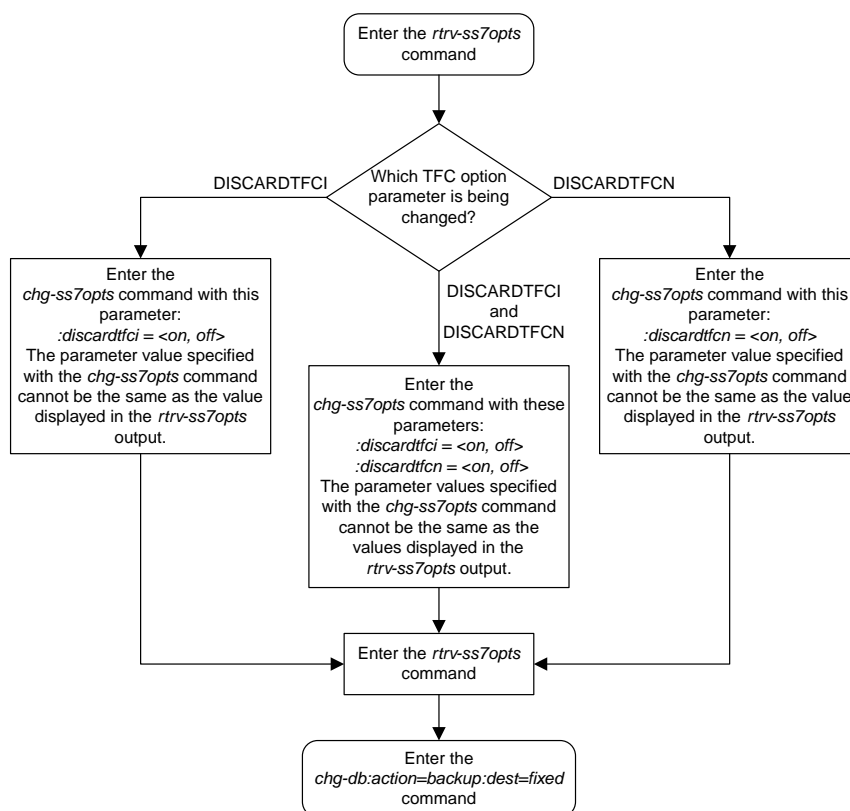


**Caution:** Turning the *lsrestrict* option on changes the way the EAGLE 5 ISS routes messages by using the state of the route along with the cost of the route to determine the preferred route to use. With this option on, the preferred route is not the absolute lowest cost available route in the routeset. A route is considered available if its status is either Allowed or Restricted. If the state of the absolute lowest cost route in the routeset is Restricted, the preferred route is the lowest cost route in the routeset whose status is Allowed. Make sure that you wish to have the EAGLE 5 ISS route messages in this manner before turning the *lsrestrict* option on.



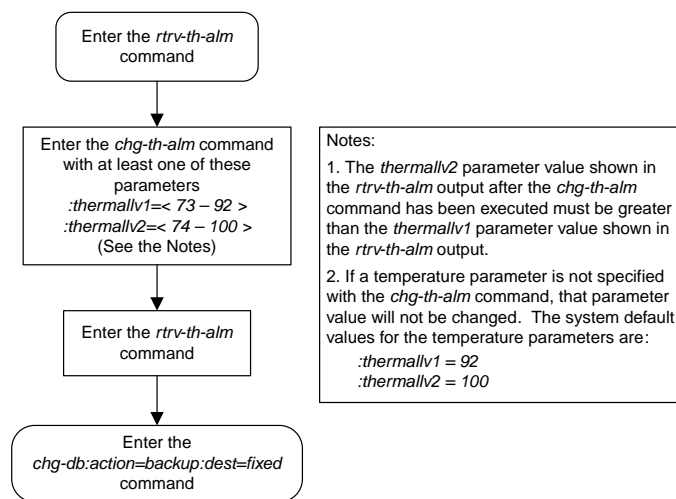
Sheet 2 of 2

## Configuring the Options for Handling TFCs on ITU-I and ITU-N Networks

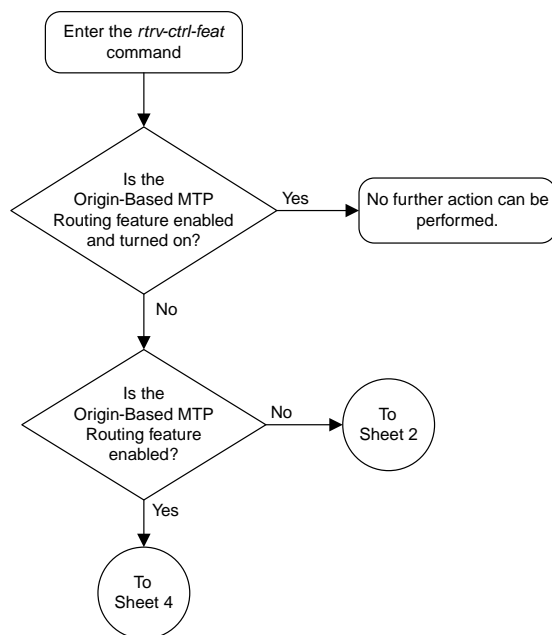


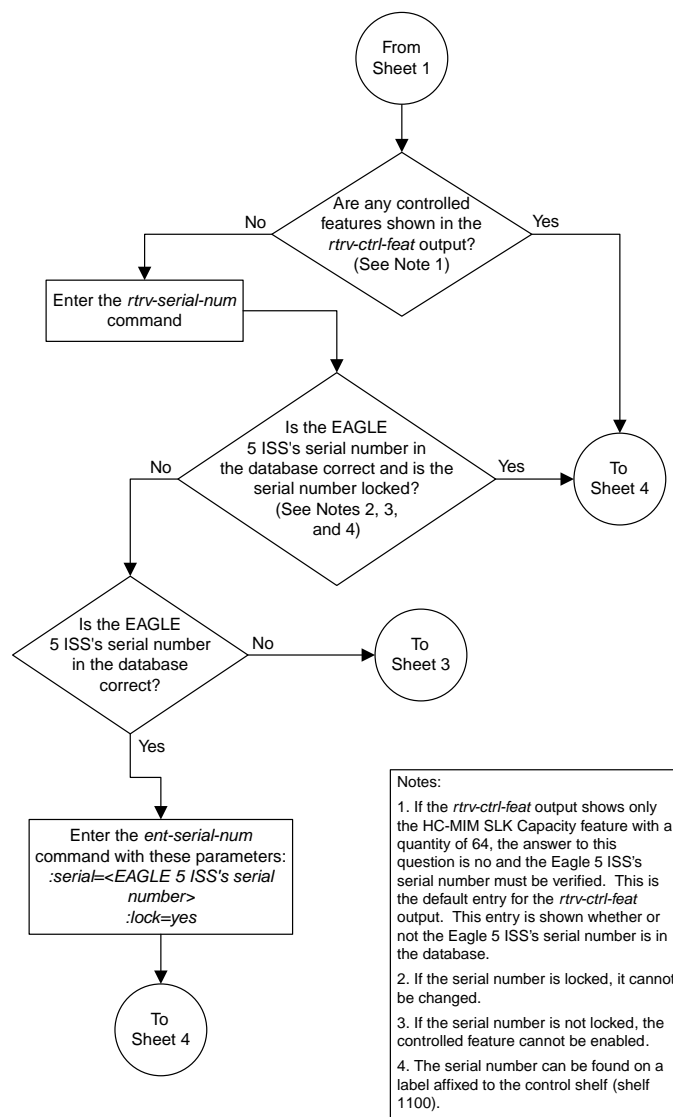


## Changing the High-Capacity Card Temperature Alarm Thresholds

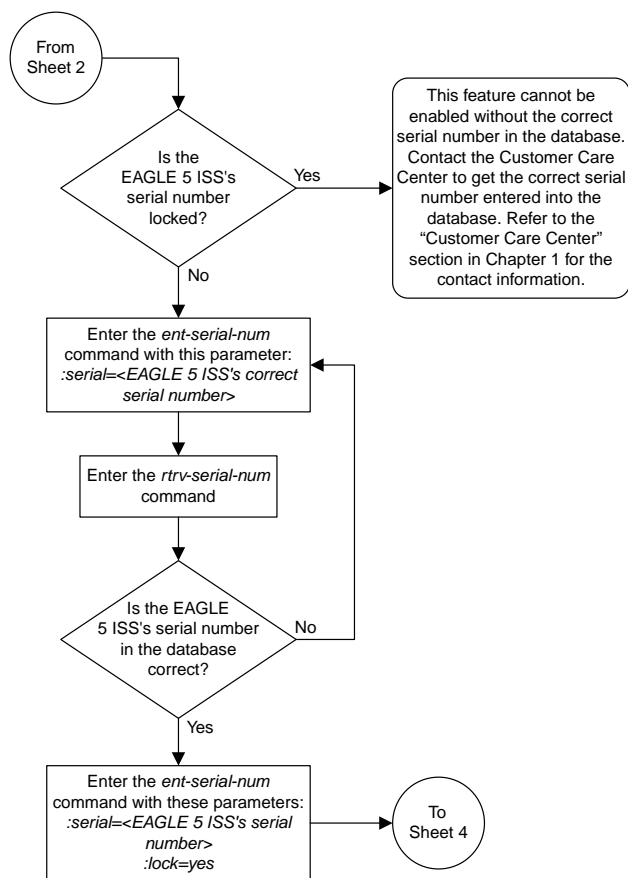


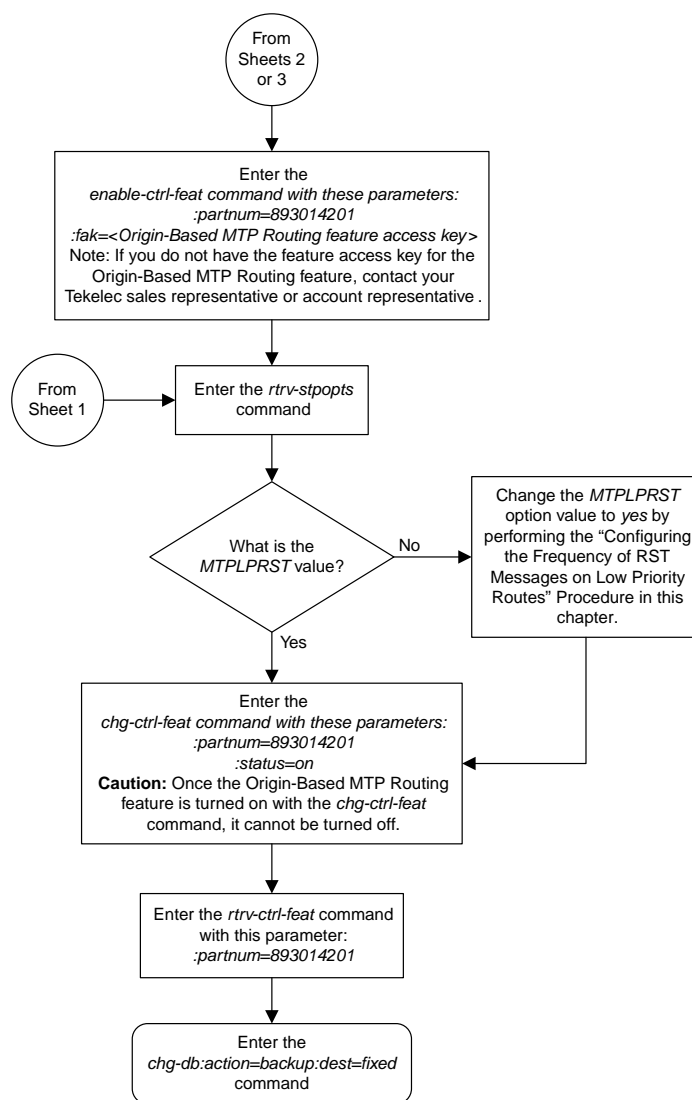
## Activating the Origin-Based MTP Routing Feature



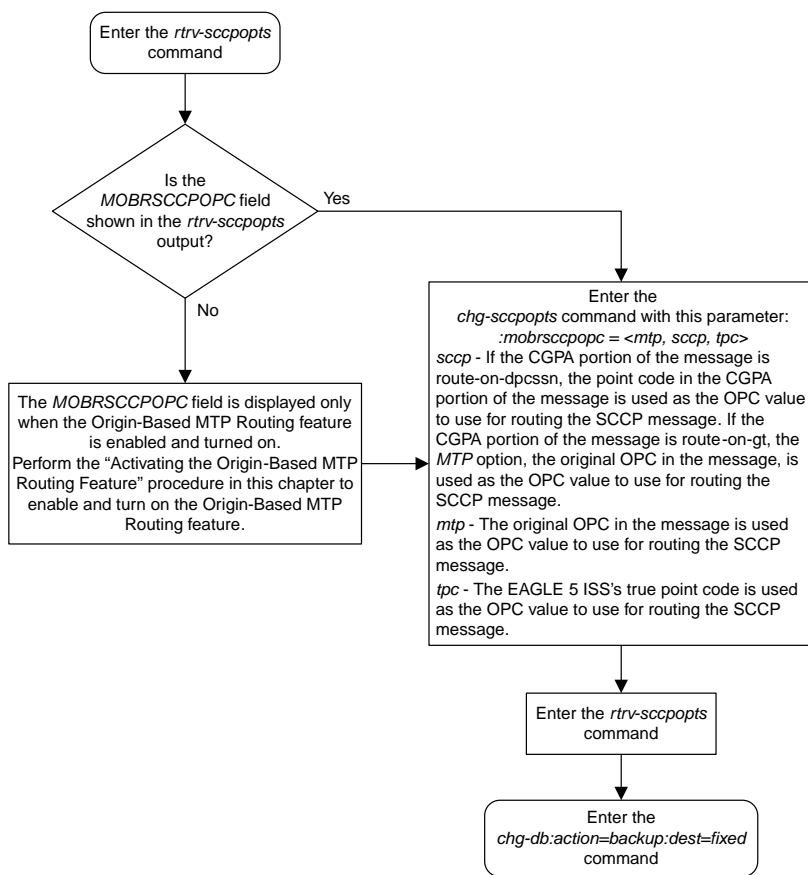


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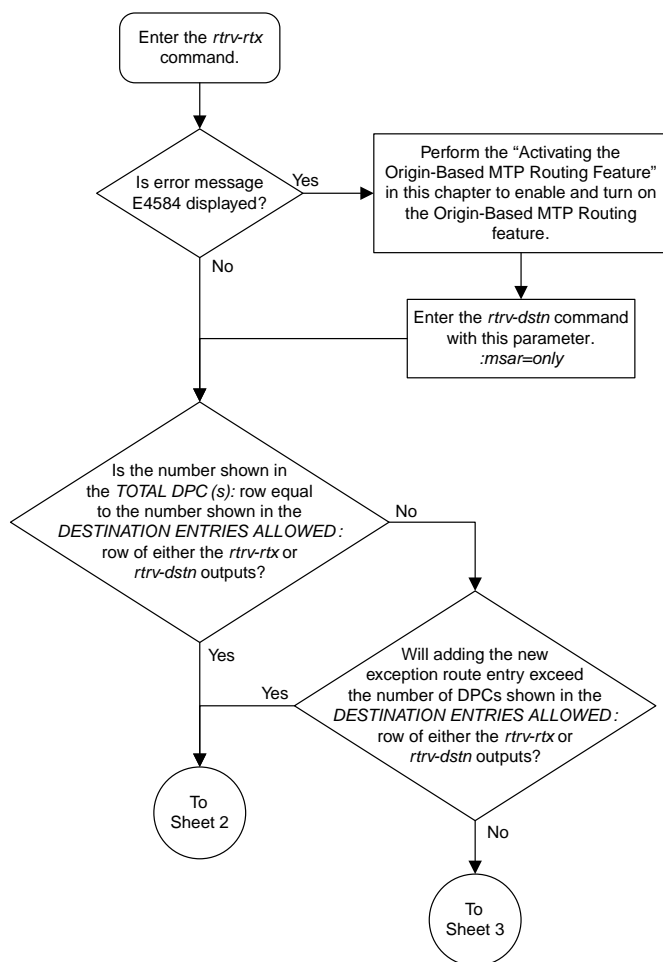


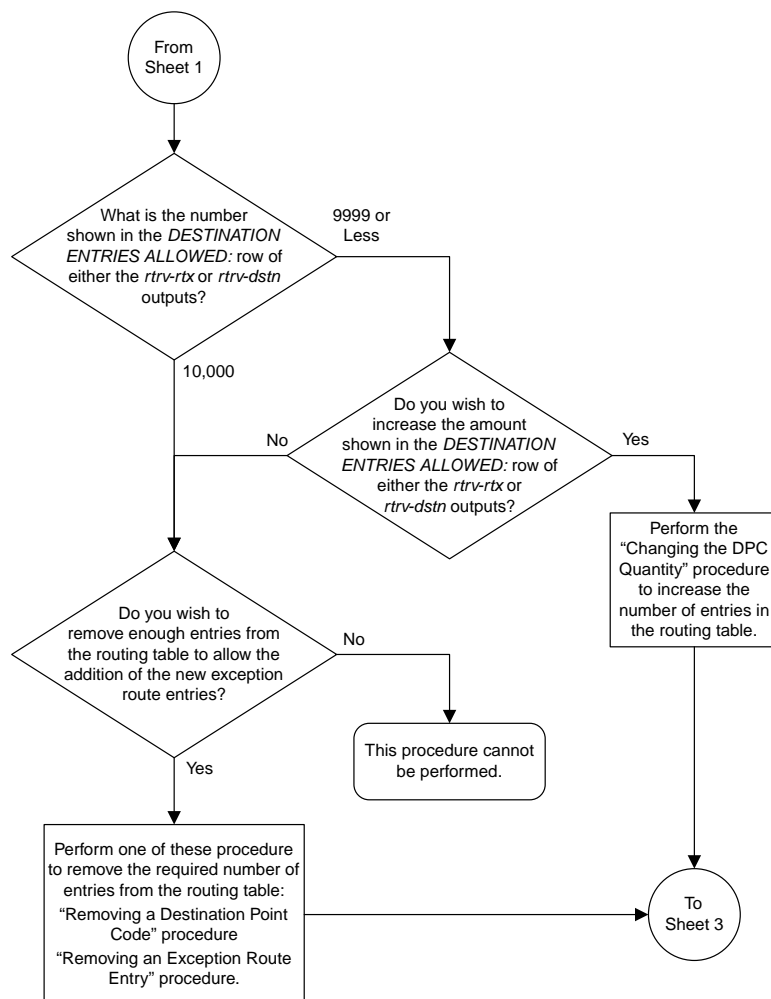


## Configuring the Origin-Based MTP Routing SCCP OPC Option

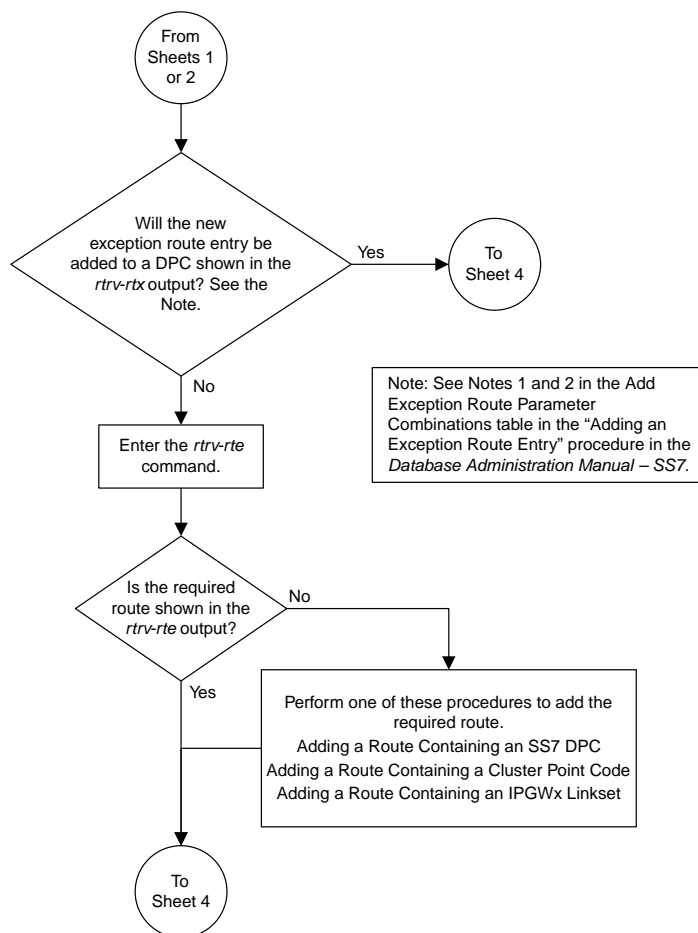


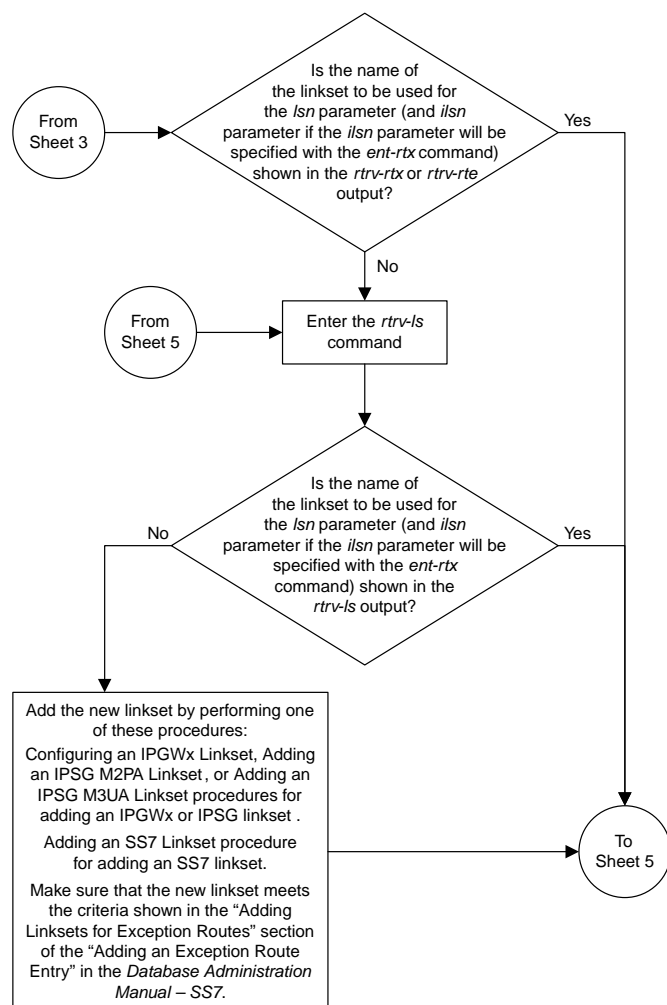
## Adding an Exception Route Entry



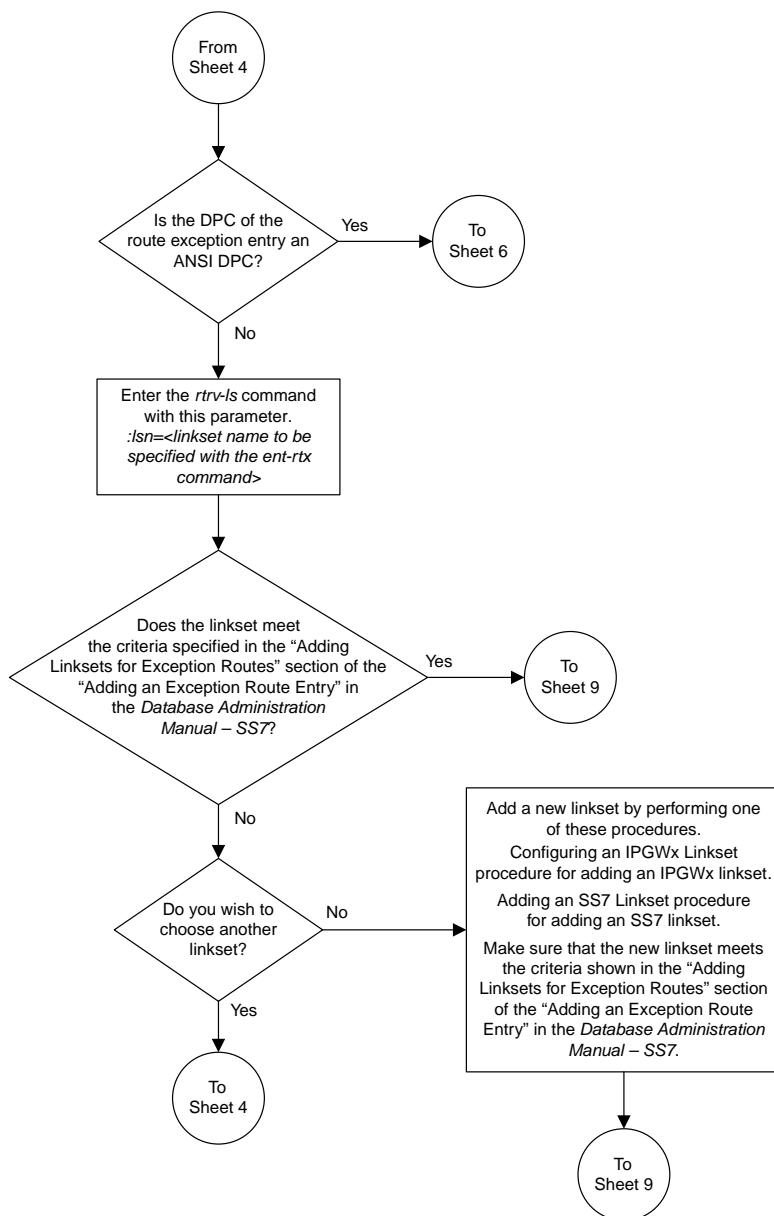


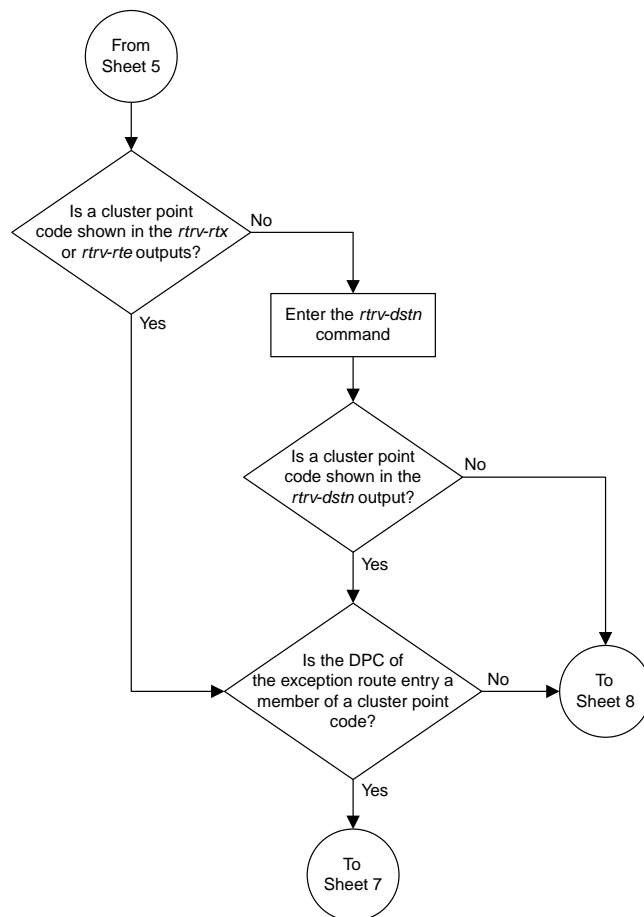




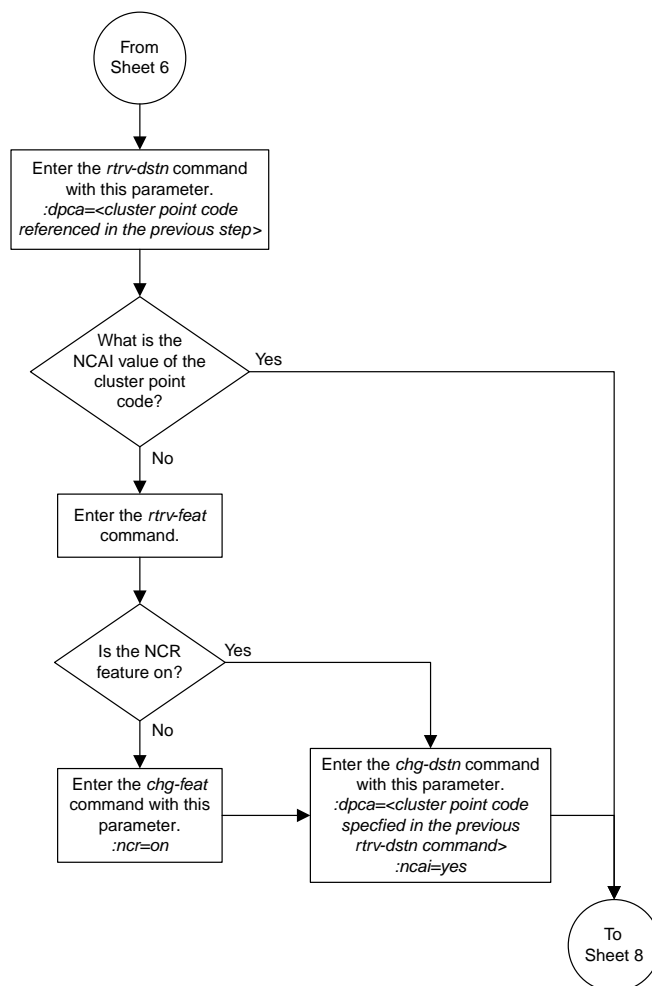


Sheet 4 of 10

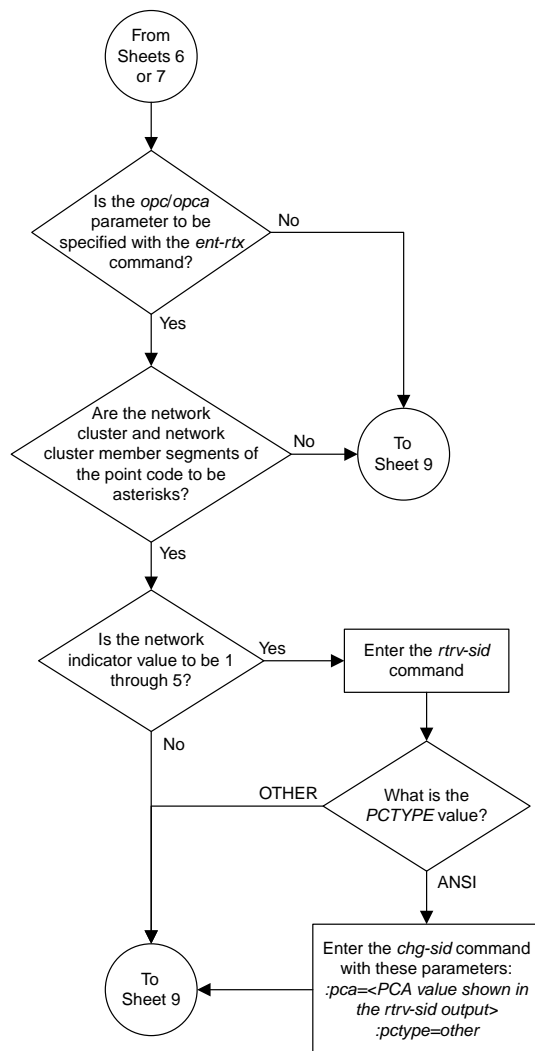




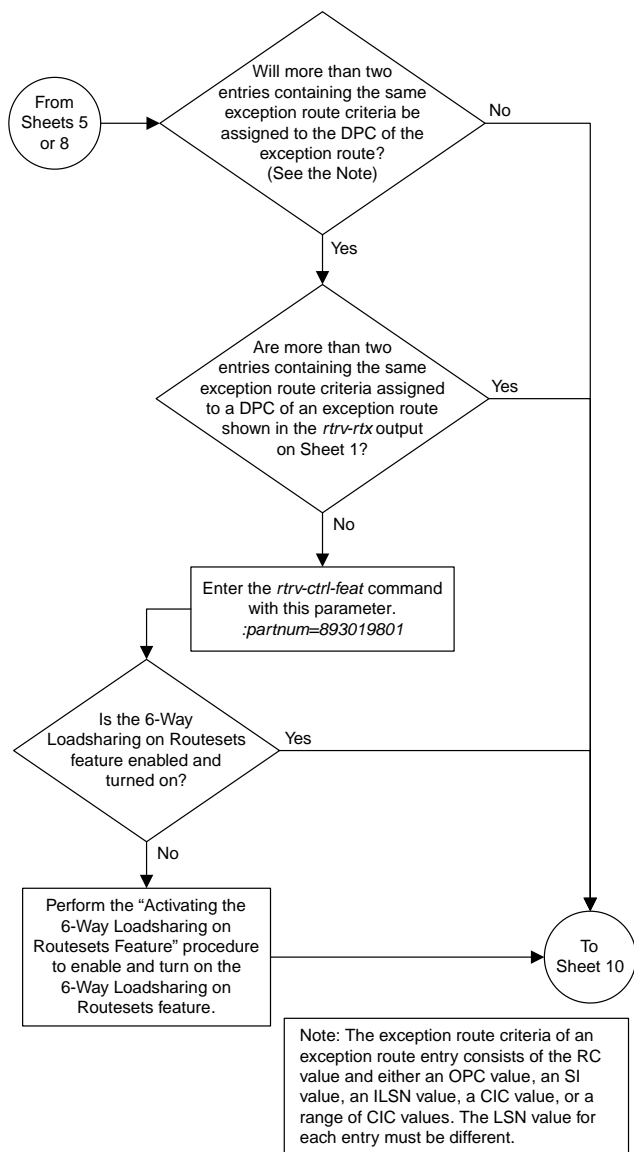
Sheet 6 of 10



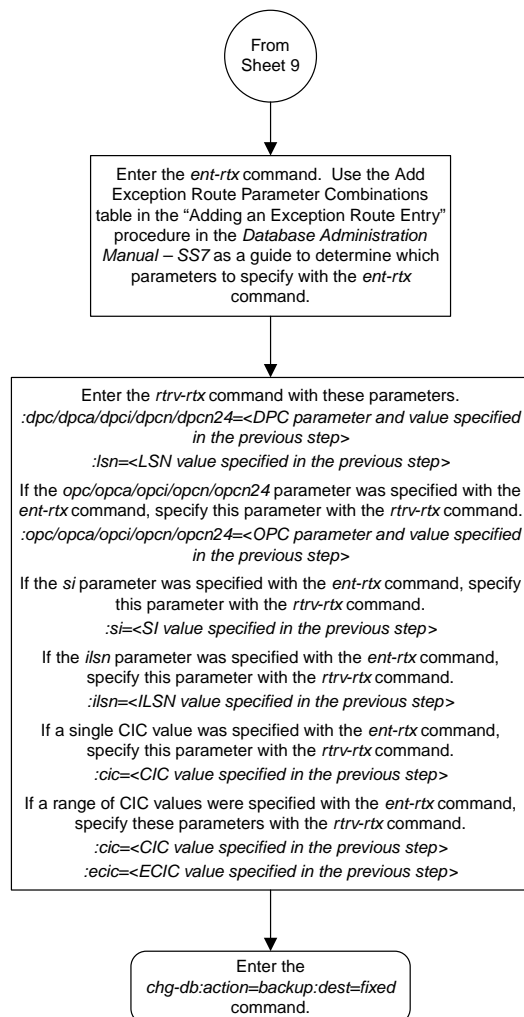
Sheet 7 of 10



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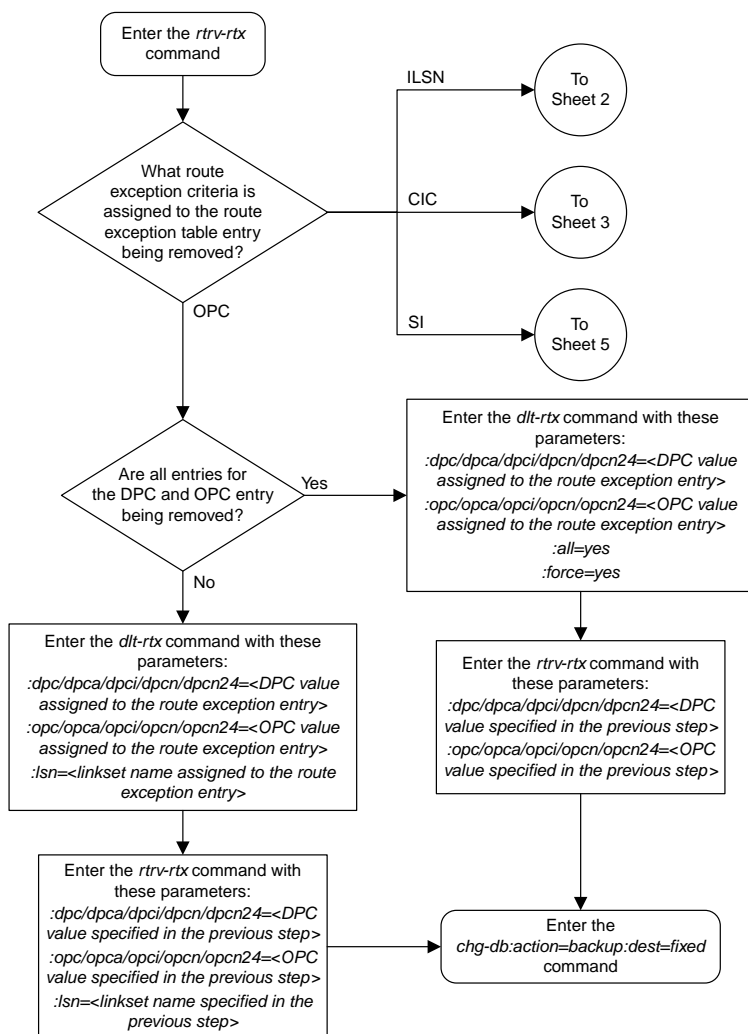


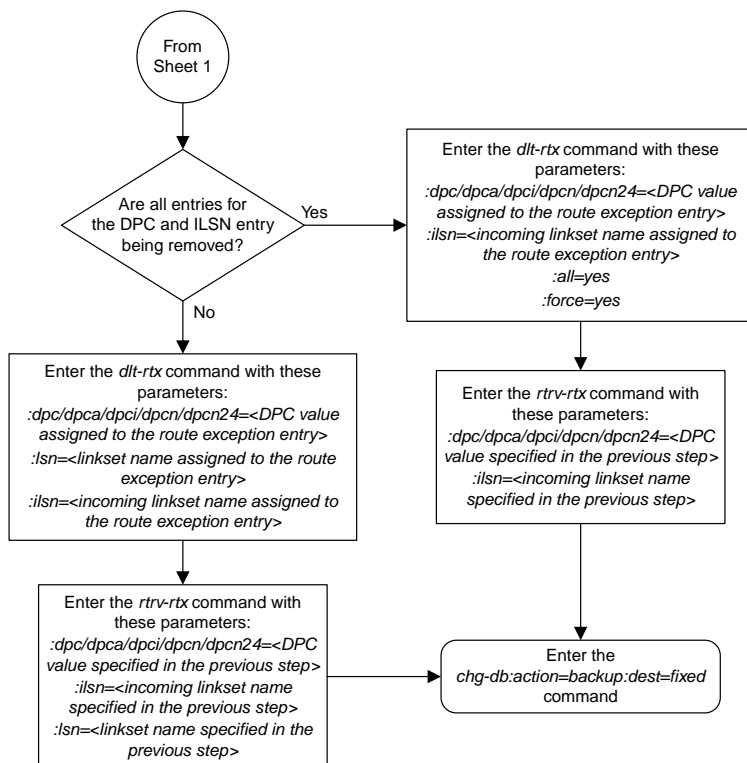
Sheet 9 of 10



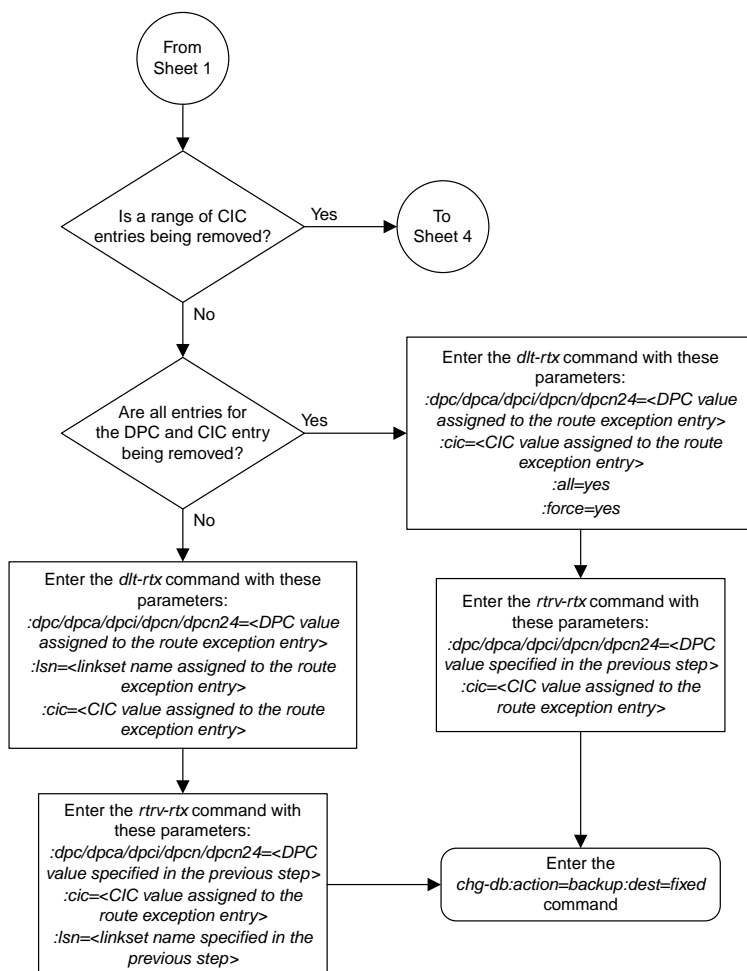


## Removing a Route Exception Entry

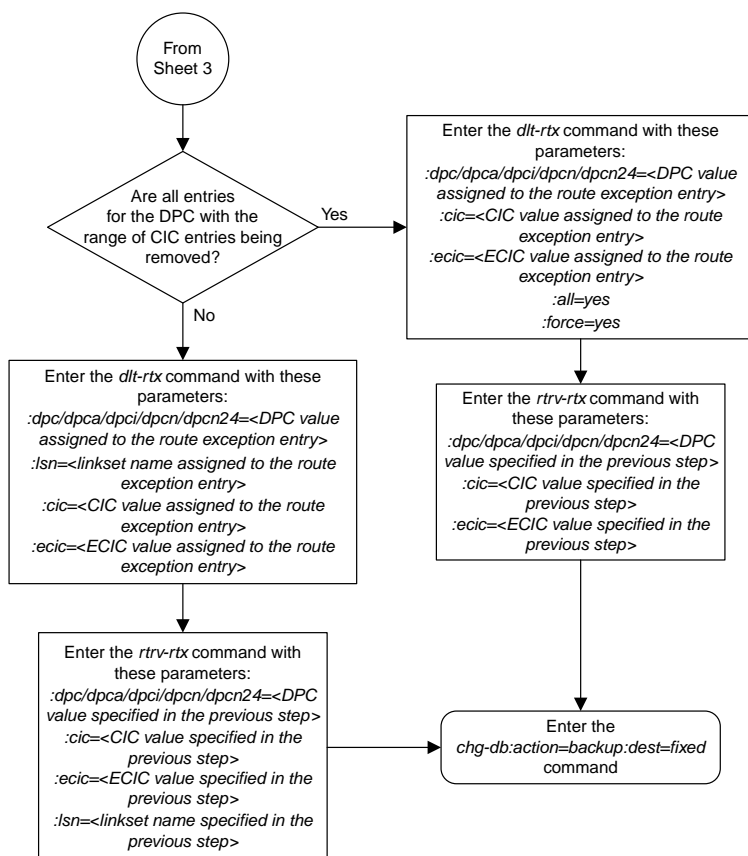




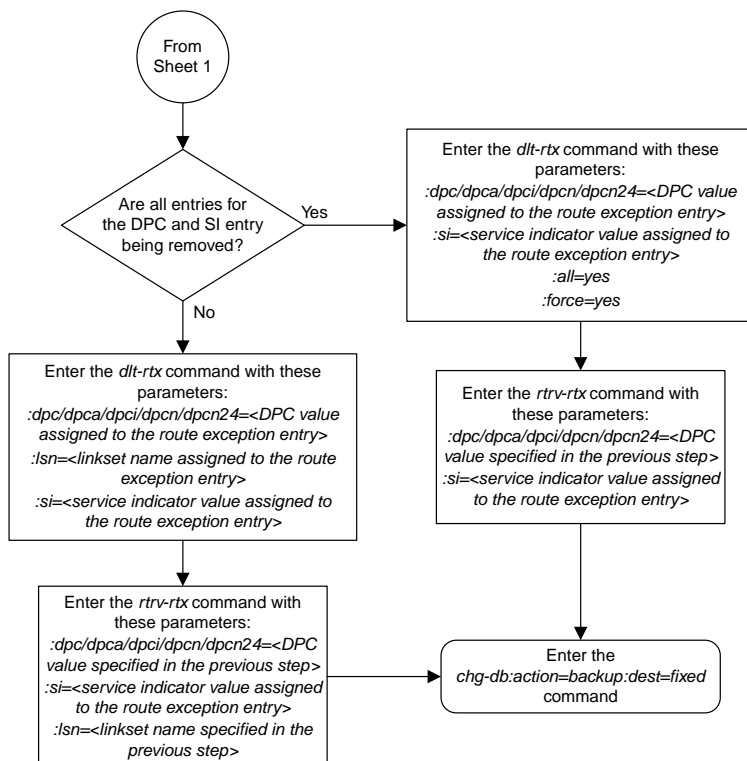
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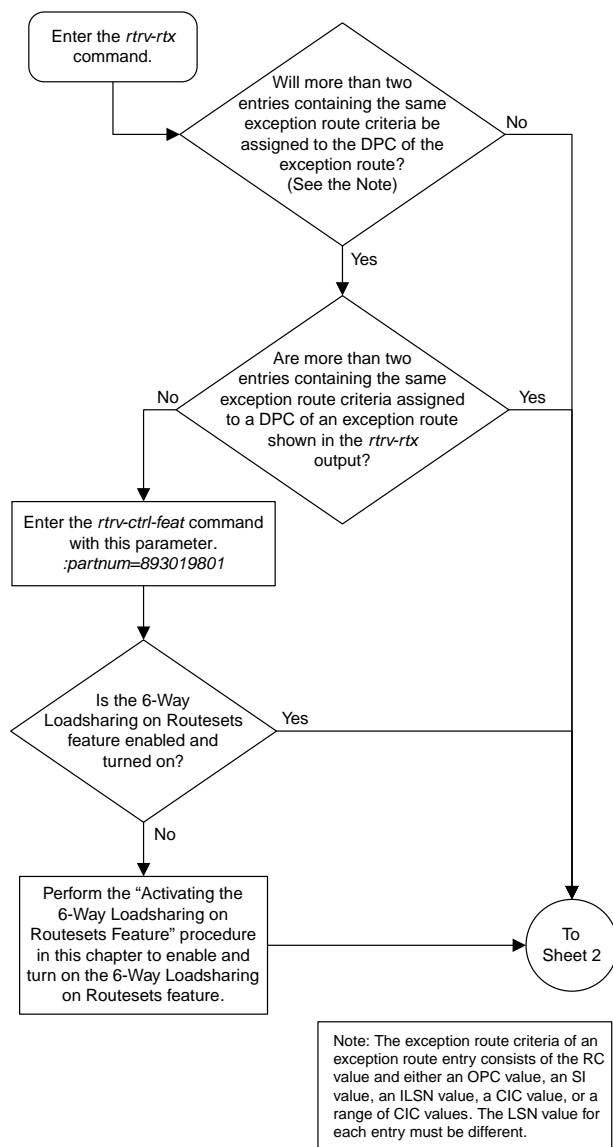
Sheet 3 of 5

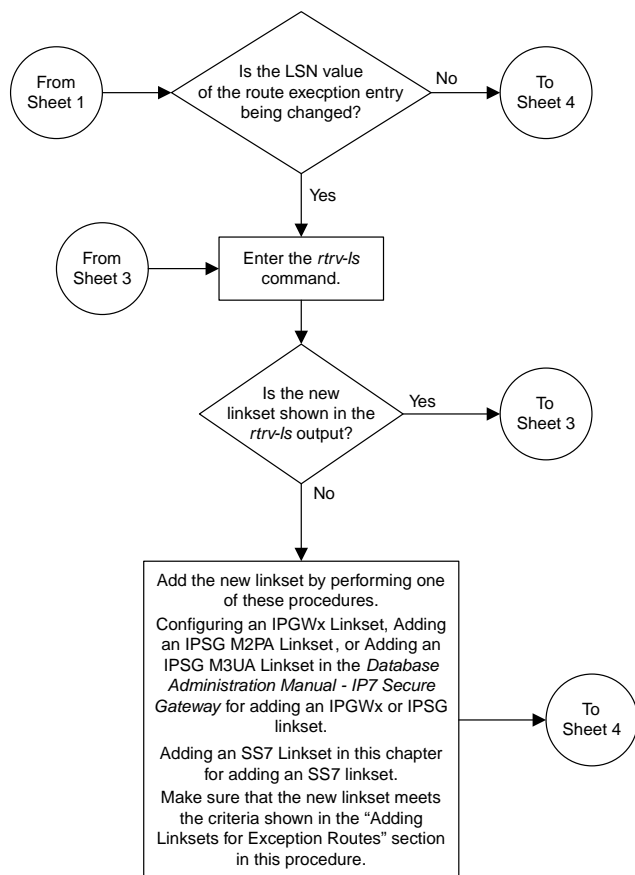


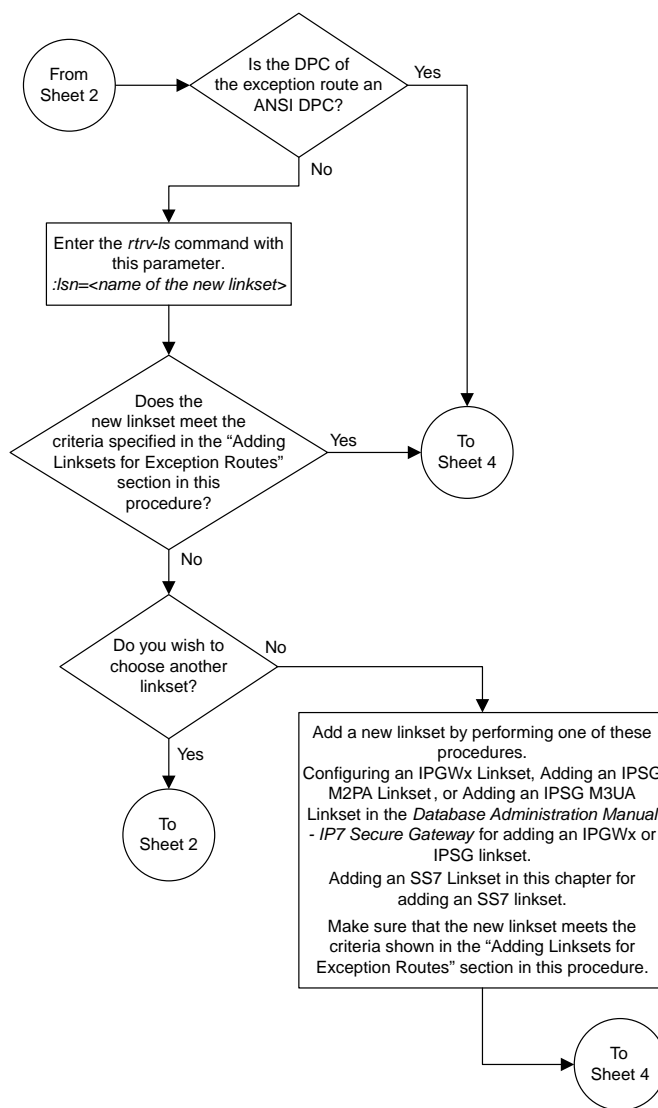
Sheet 4 of 5



## Changing a Route Exception Entry

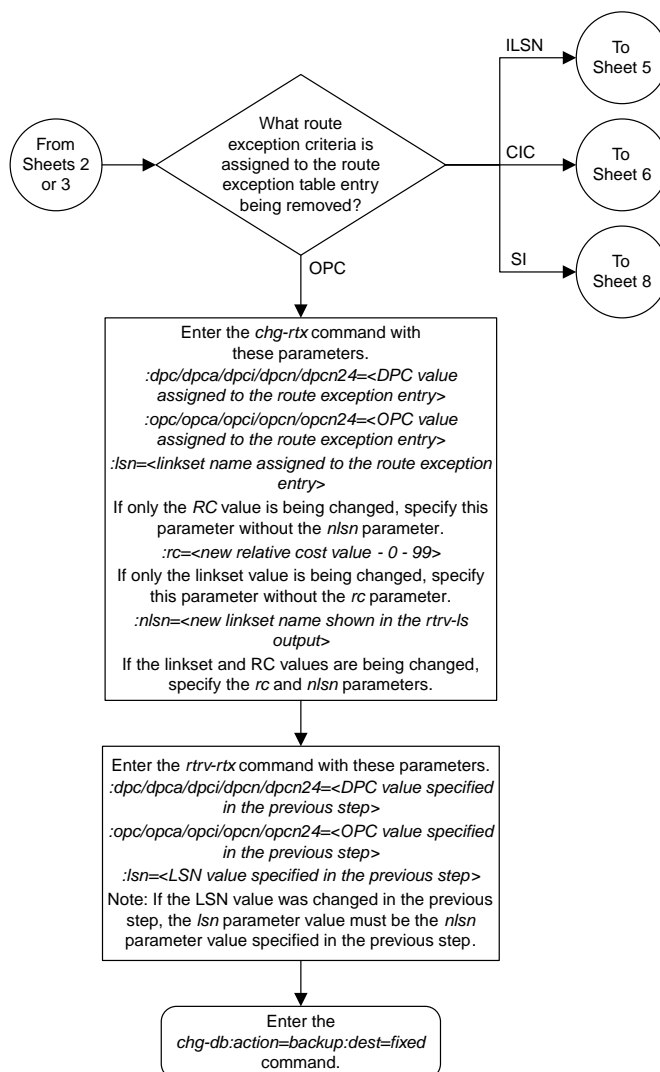


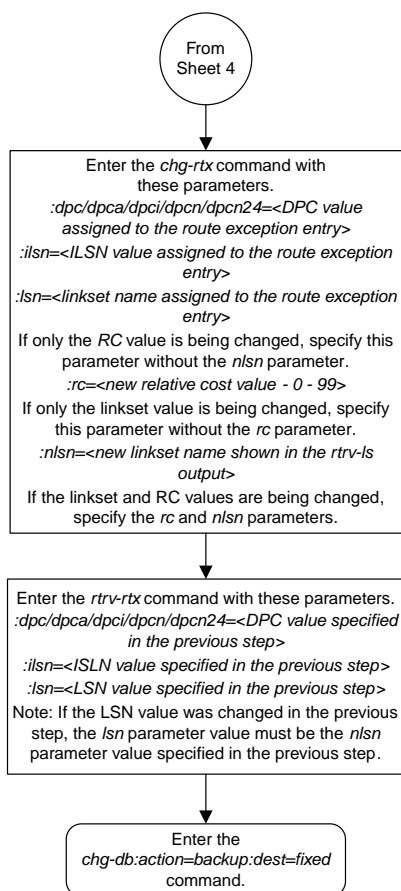


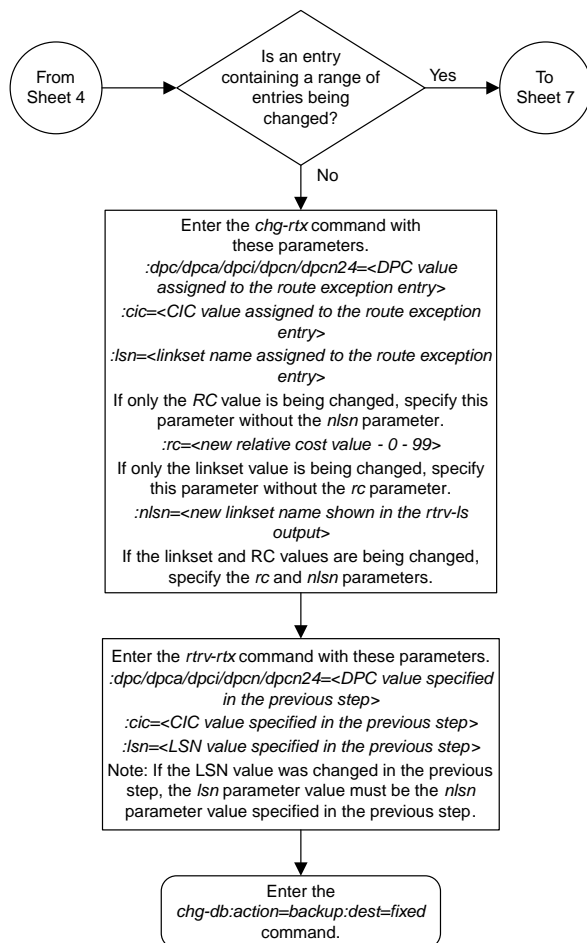


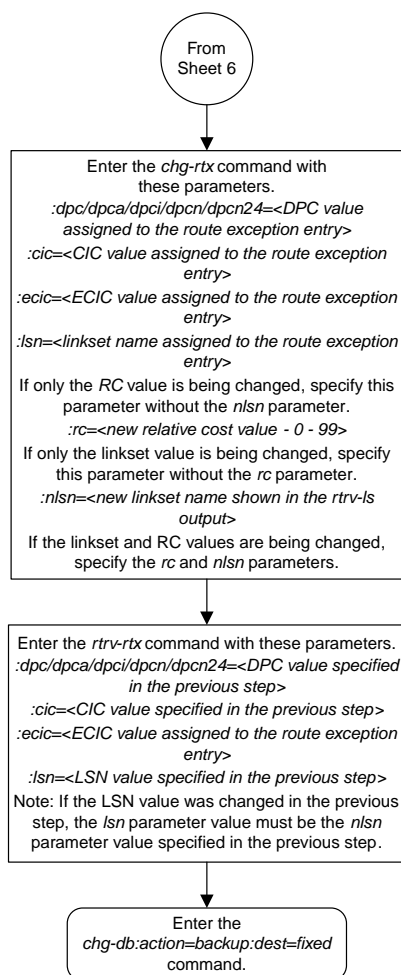
Sheet 3 of 8

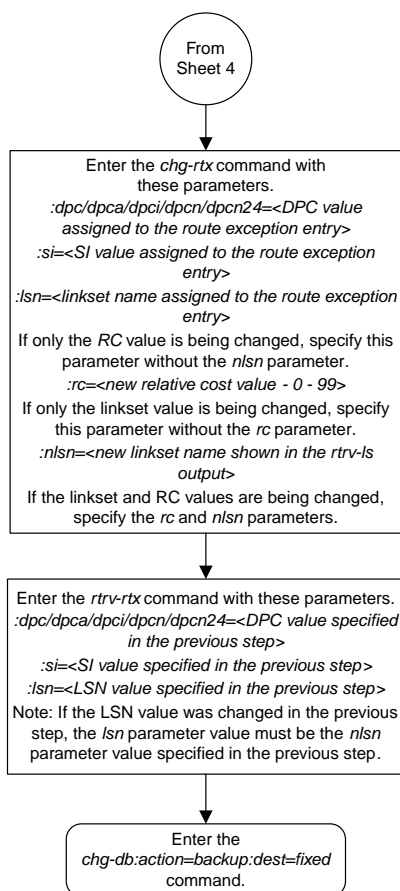




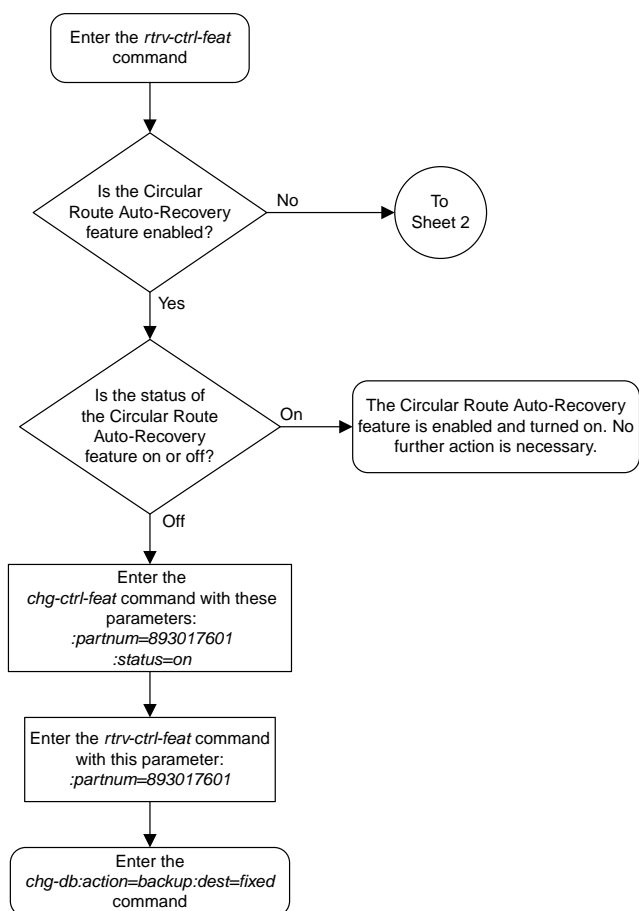




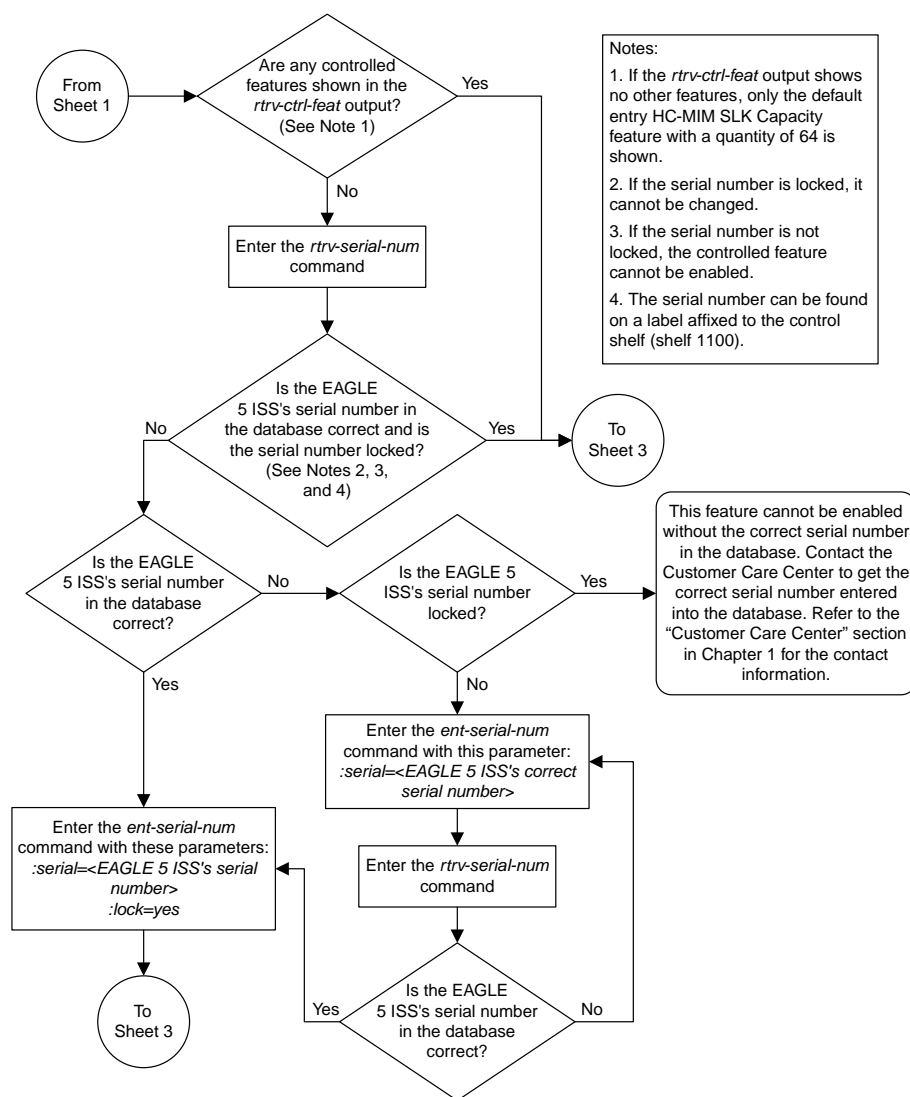




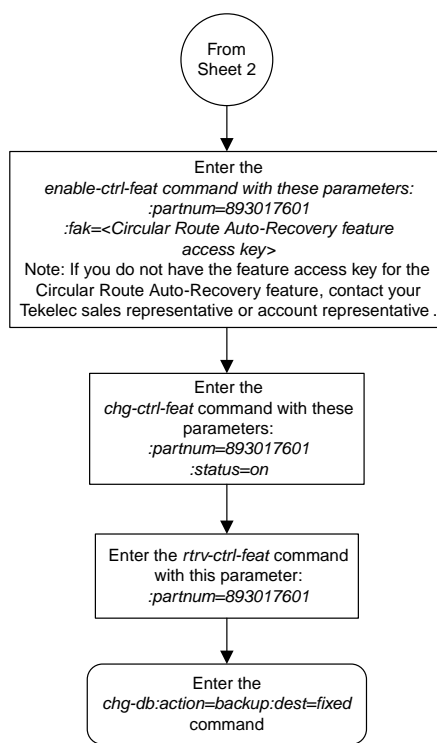
## Activating the Circular Route Auto-Recovery Feature



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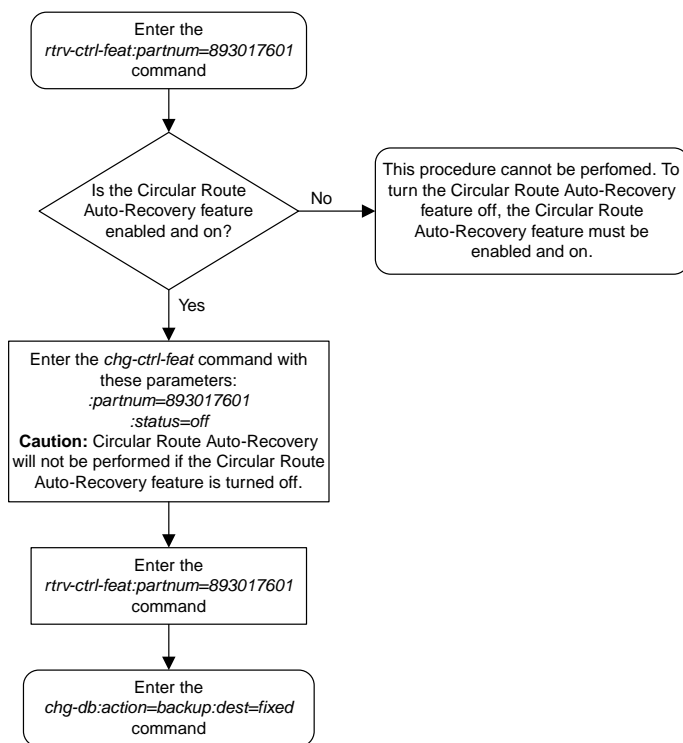


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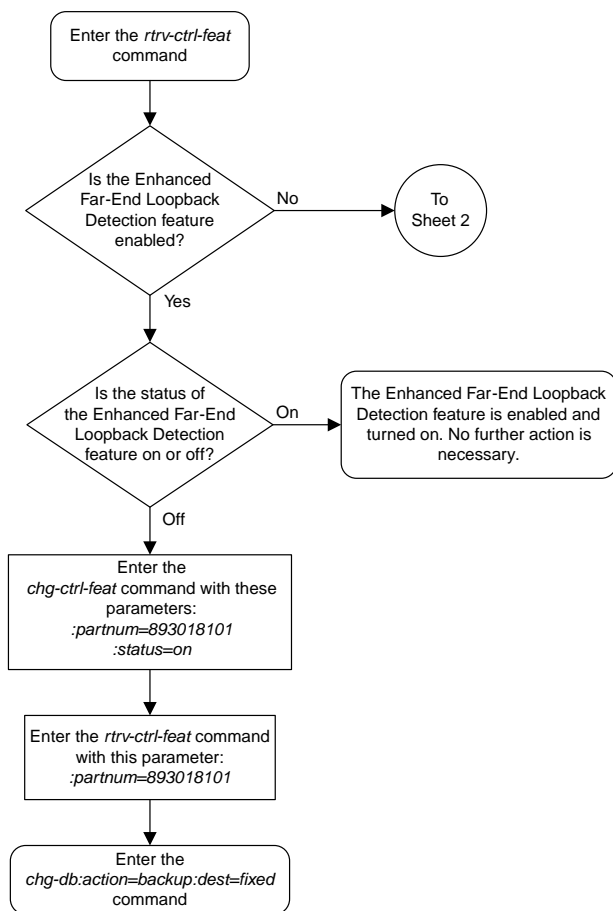




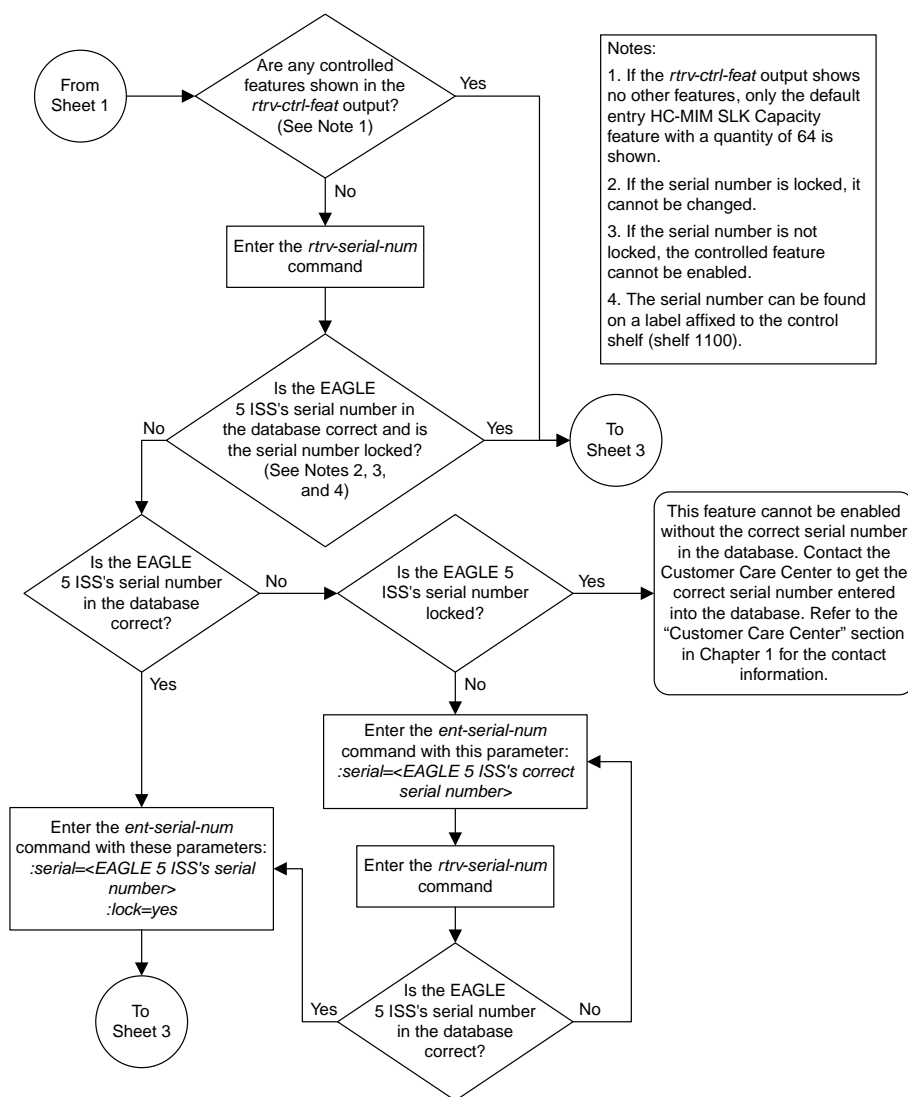
## Turning the Circular Route Auto-Recovery Feature Off



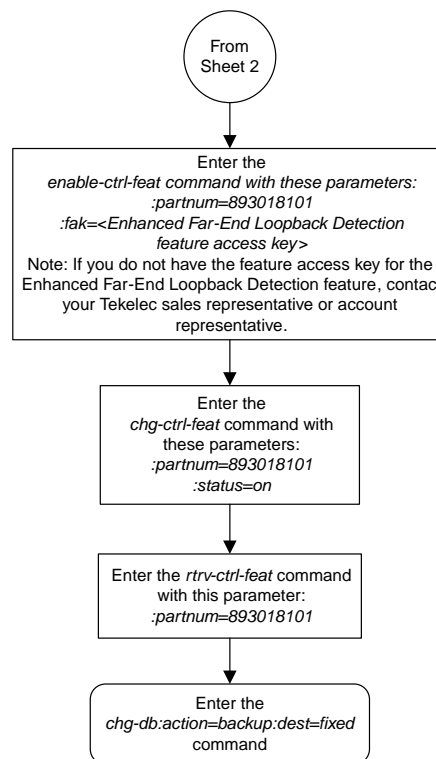
## Activating the Enhanced Far-End Loopback Detection Feature



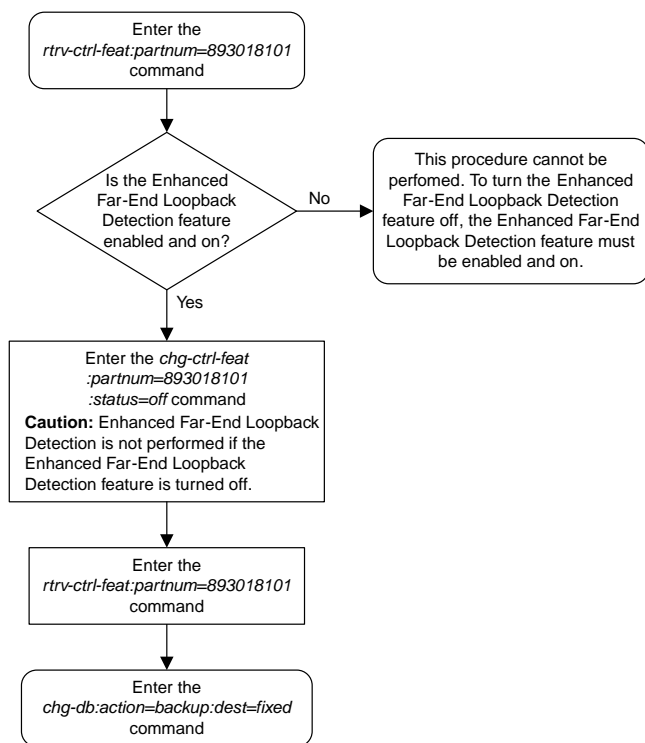
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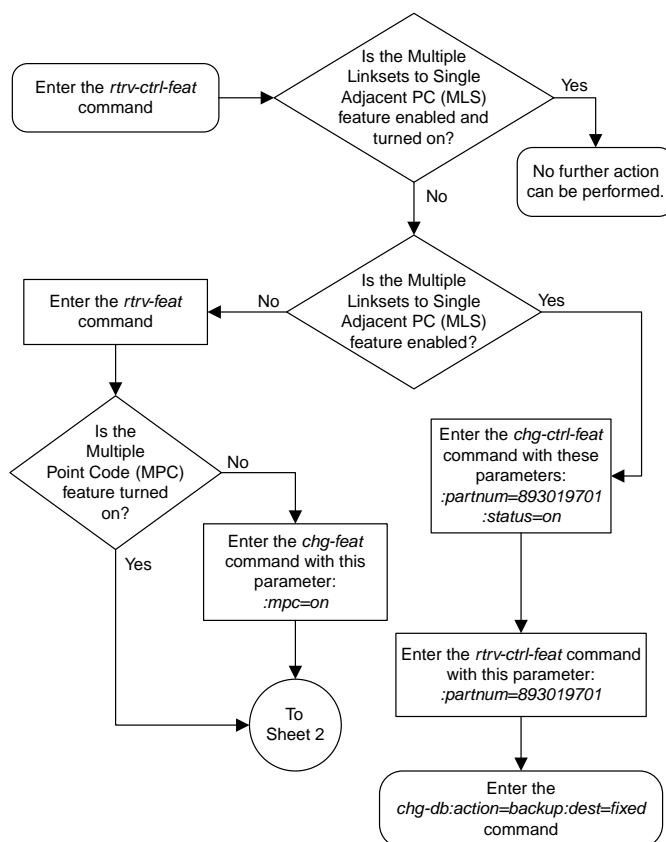
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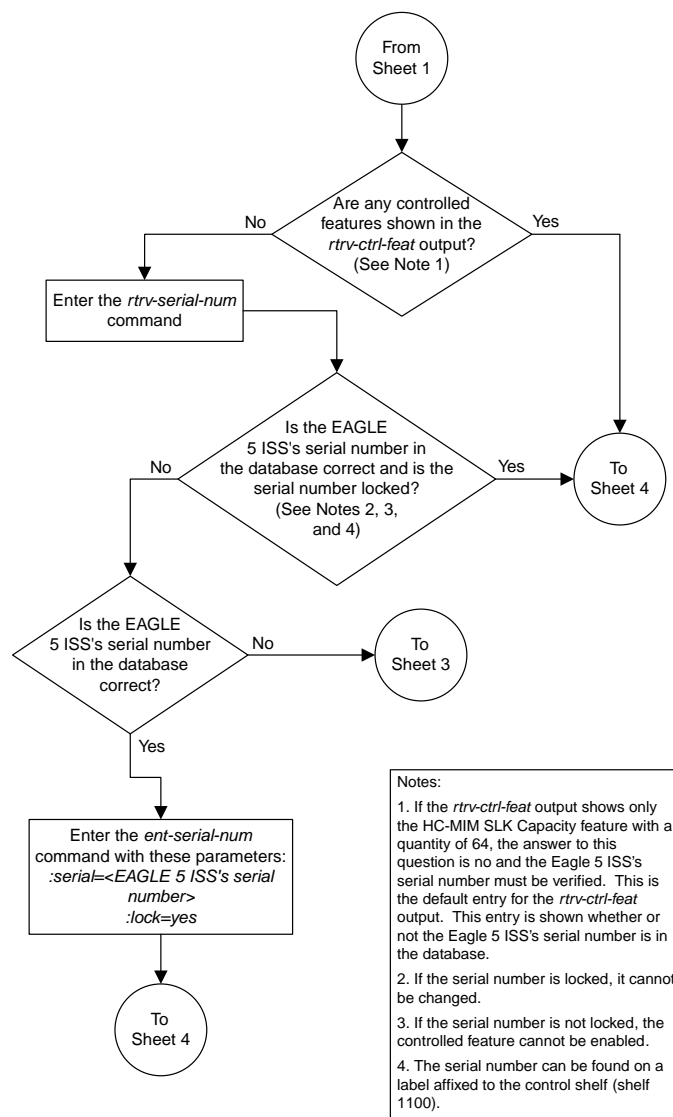
## Turning the Enhanced Far-End Loopback Detection Feature Off



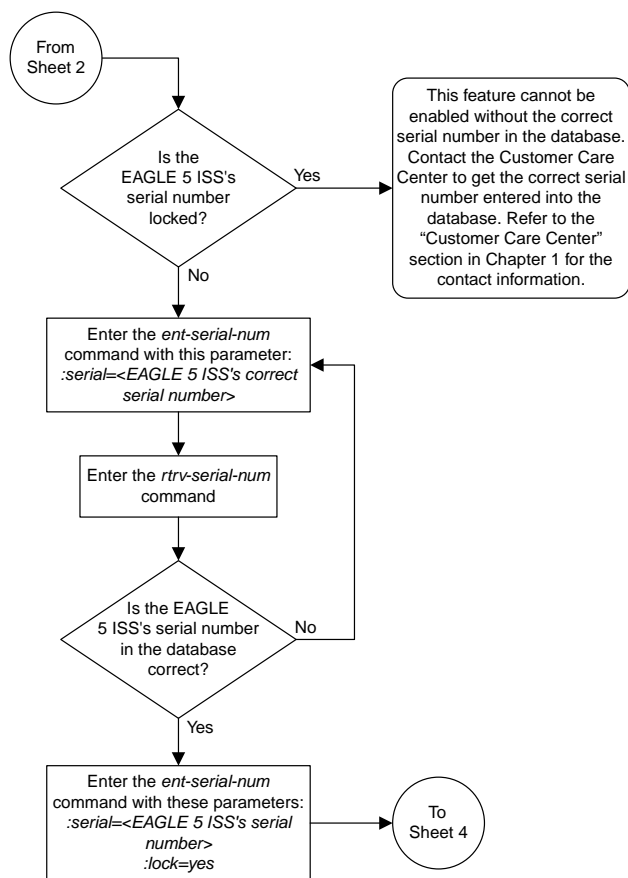
## Activating the Multiple Linksets to Single Adjacent PC (MLS) Feature



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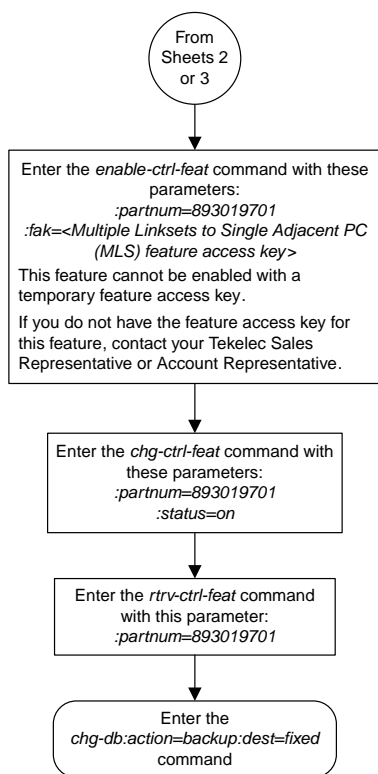


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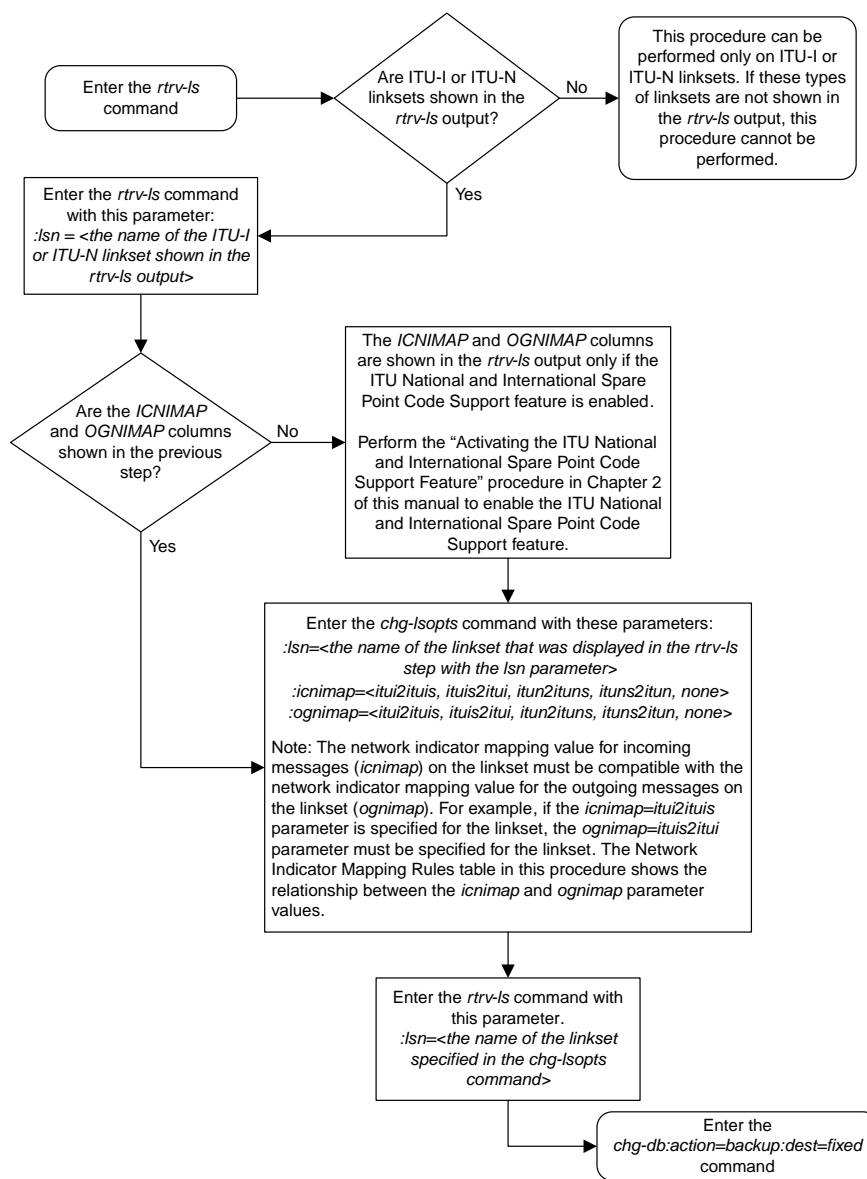


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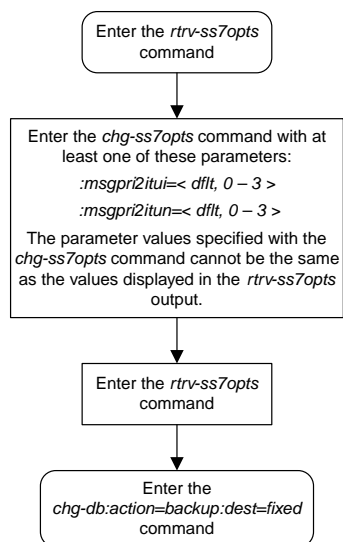




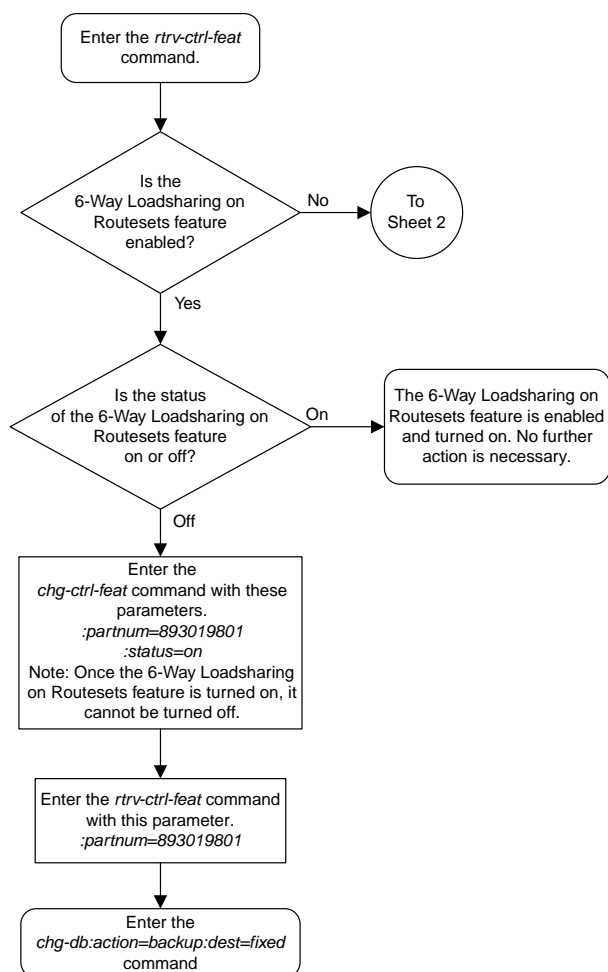
## Configuring the ITU Linkset NI Mapping Options

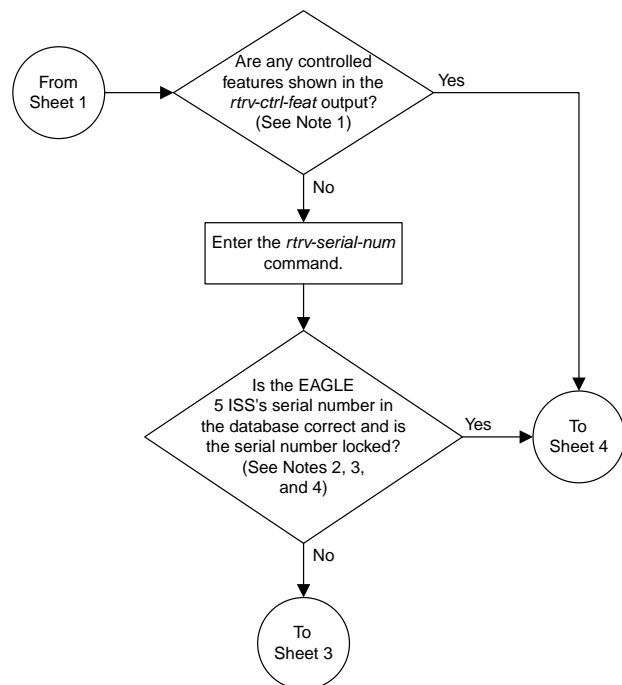


## Configuring the Option for Handling Message Priorities for Messages Crossing into ITU-I and ITU-N Networks

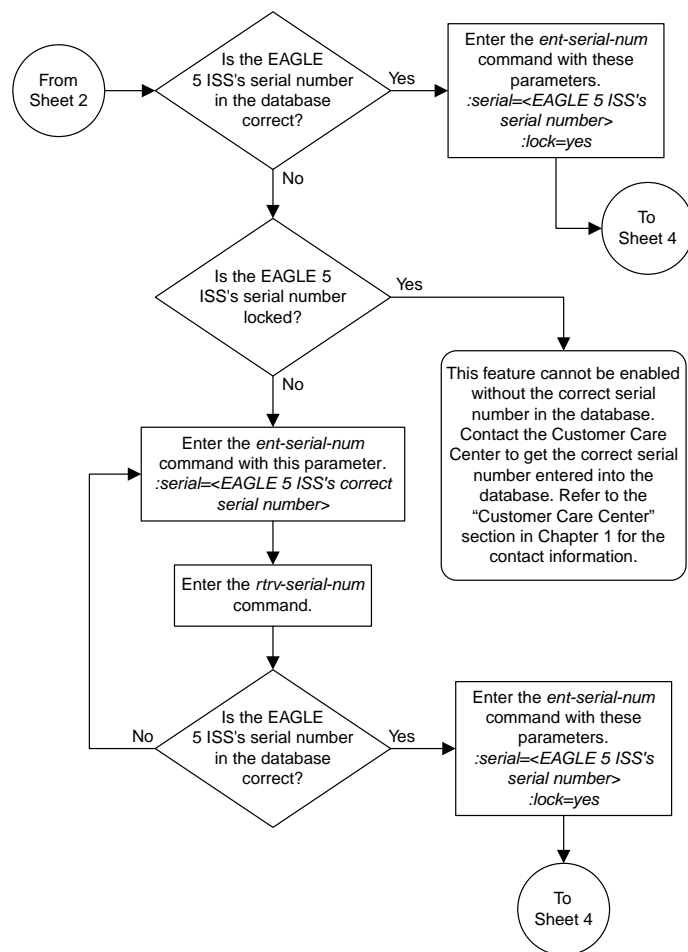


## Activating the 6-Way Loadsharing on Routesets Feature

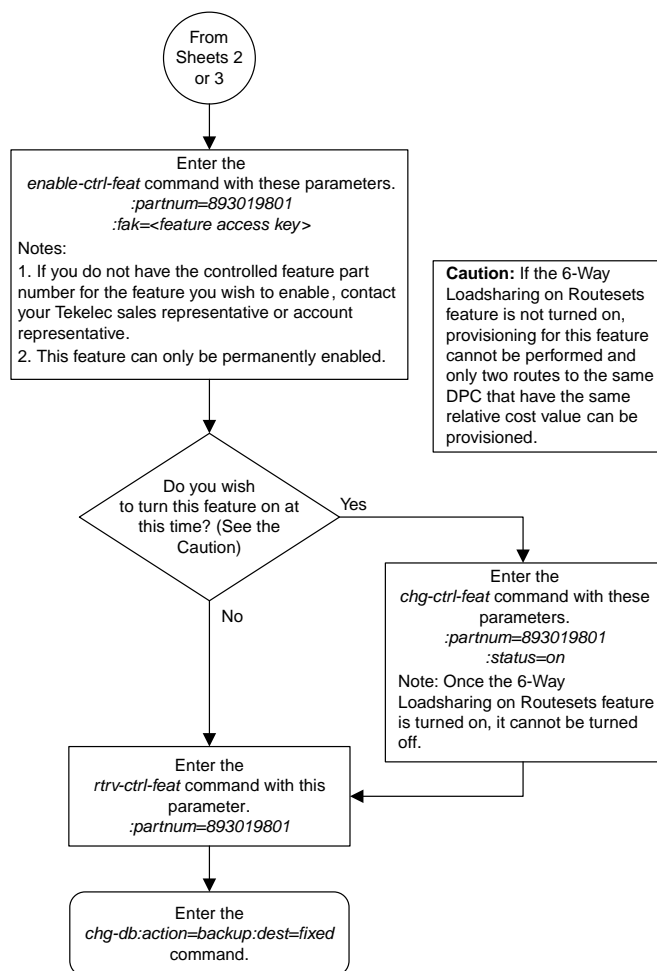


**Notes:**

1. If the *rtrv-ctrl-feat* output shows only the HC -MIM SLK Capacity feature with a quantity of 64, the answer to this question is no and the Eagle 5 ISS's serial number must be verified. This is the default entry for the *rtrv-ctrl-feat* output. This entry is shown whether or not the Eagle 5 ISS's serial number is in the database.
2. If the serial number is locked, it cannot be changed.
3. If the serial number is not locked, the controlled feature cannot be enabled.
4. The serial number can be found on a label affixed to the control shelf (shelf 1100).



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# Chapter 18

## Point Code and CIC Translation Configuration Flowcharts

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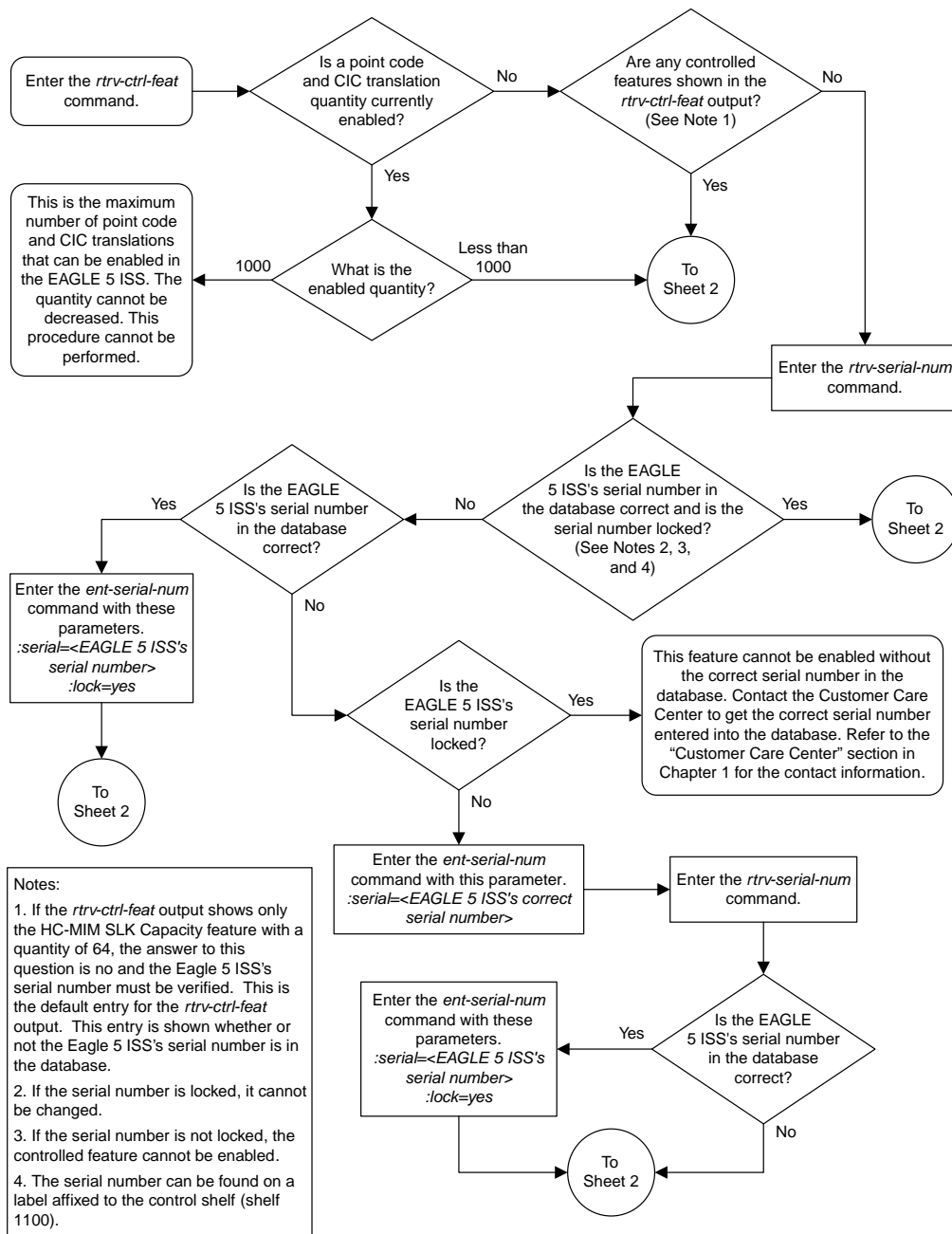
### Topics:

- *Changing the Point Code and CIC Translation Quantity.....1161*
- *Adding a Point Code and CIC Translation Entry.....1163*
- *Removing a Point Code and CIC Translation Entry.....1166*
- *Configuring the Point Code and CIC Translation STP Option.....1167*
- *Configuring the Point Code and CIC Translation Linkset Option.....1168*

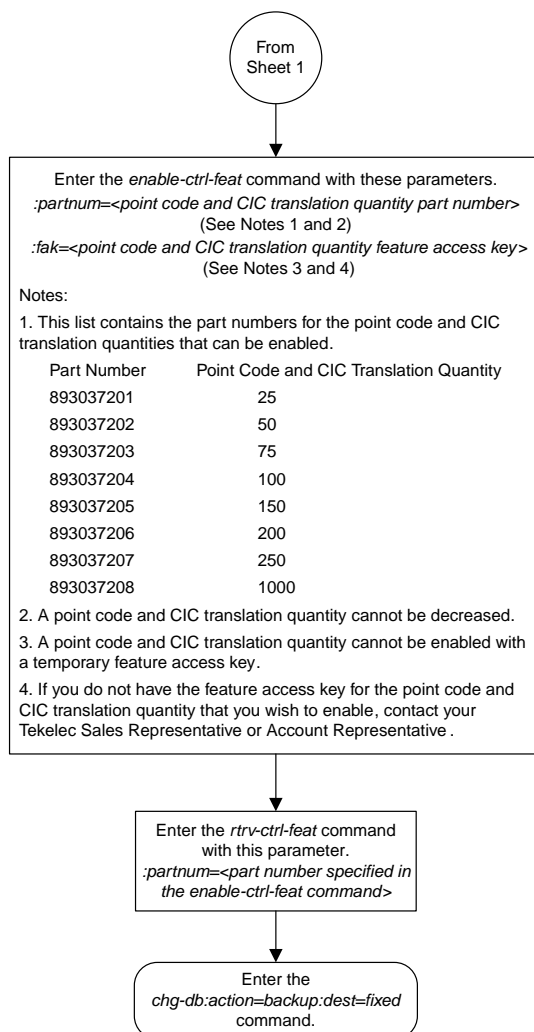
This chapter contains the flowcharts for the procedures that are used to configure the Point Code and CIC Translation feature. These procedures are located in the *Database Administration Manual - SS7*.



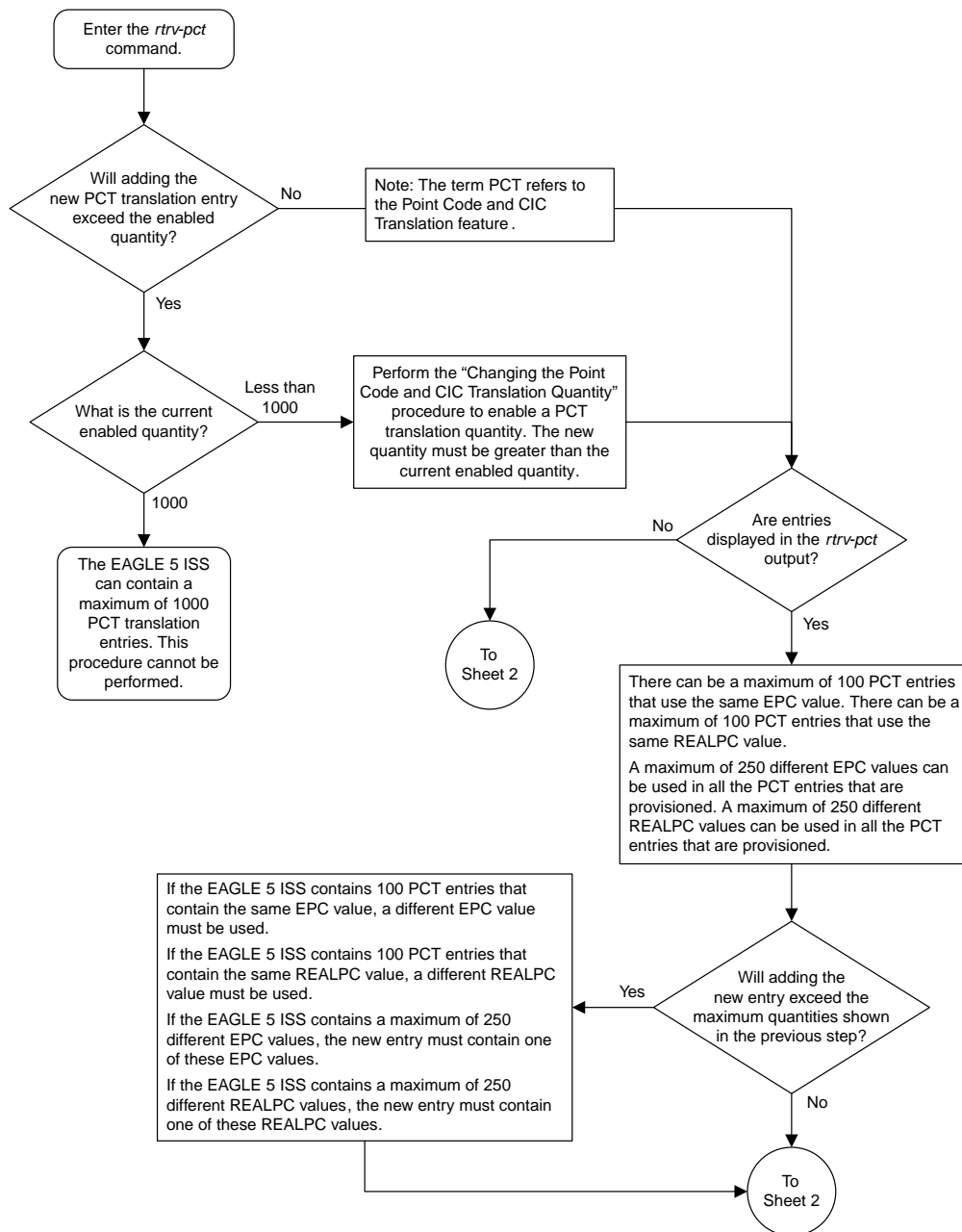
## Changing the Point Code and CIC Translation Quantity



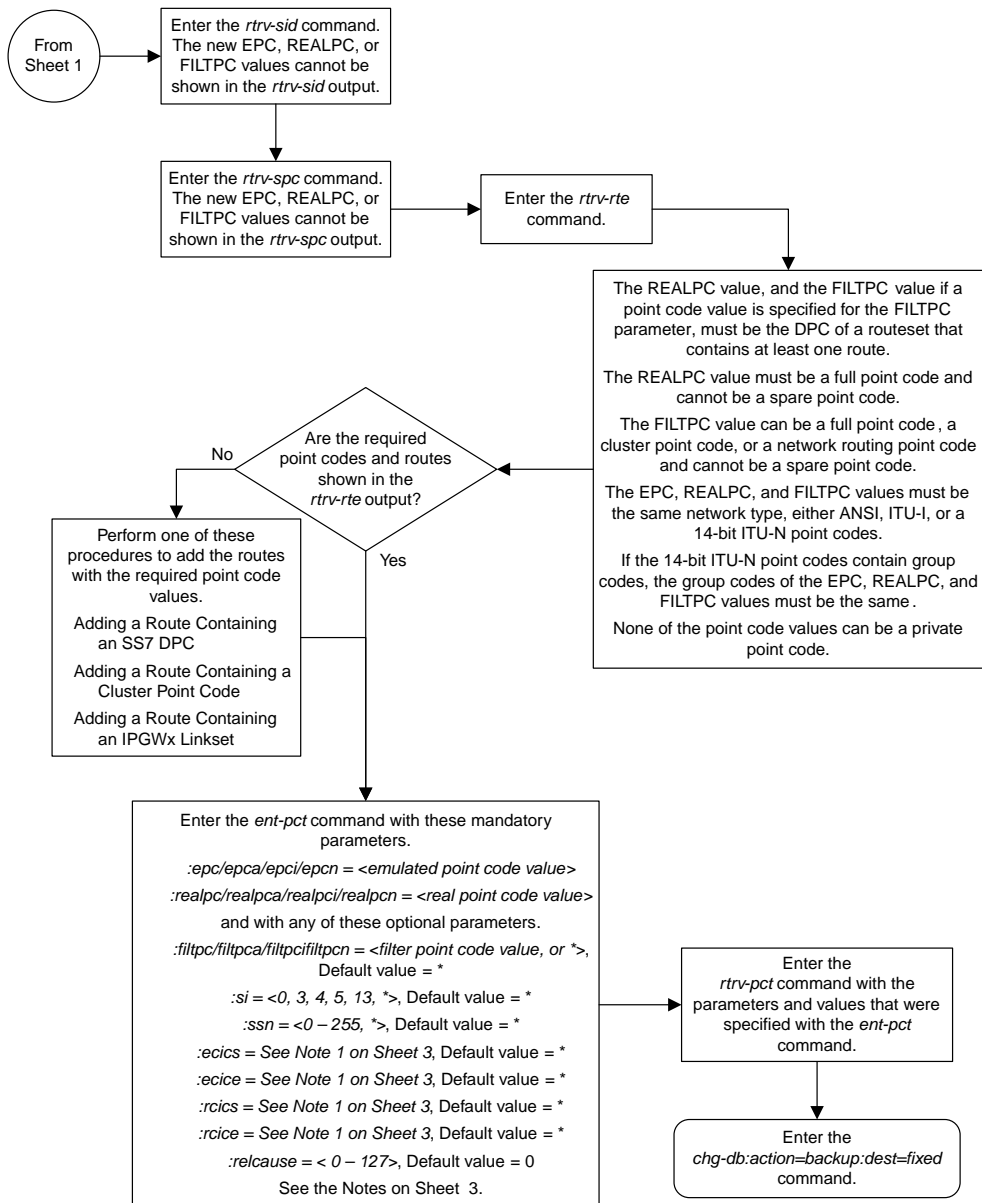
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## Adding a Point Code and CIC Translation Entry



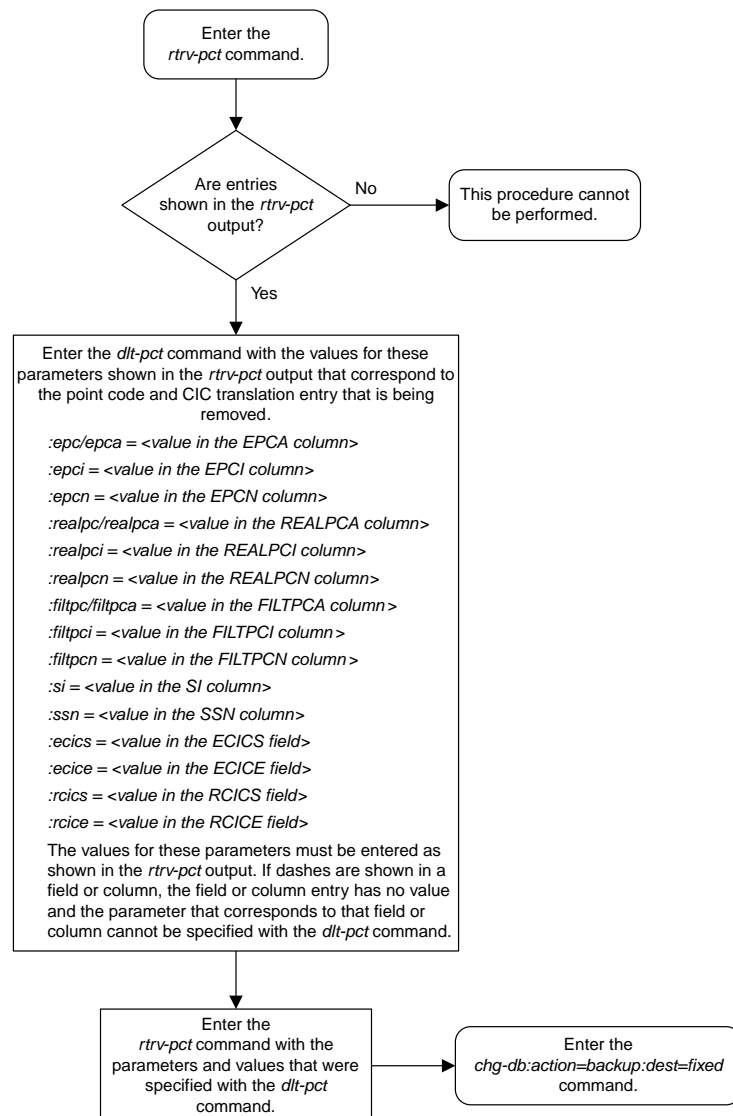
Sheet 1 of 3



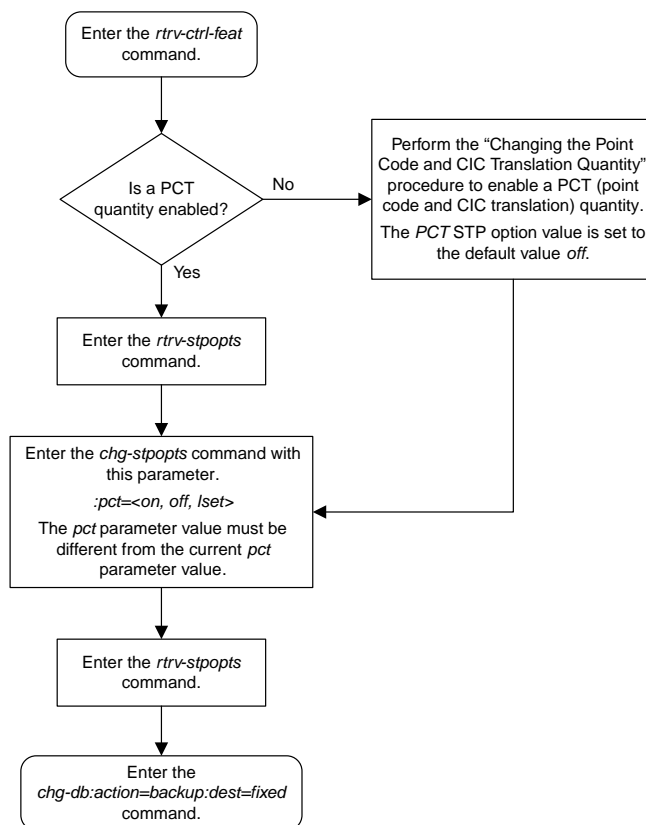
## Notes:

1. The value of the *ecics/ecice* and *rcics/rcice* parameters is dependent on the value of the *si* parameter.
  - If the *si* value is 4, the value of the *ecics/ecice* and *rcics/rcice* parameters is 0 – 4095 or \*.
  - If the *si* value is 5 and the entry contains ITU point codes, the value of the *ecics/ecice* and *rcics/rcice* parameters is 0 – 4095 or \*.
  - If the *si* value is 5 and the entry contains ANSI point codes, the value of the *ecics/ecice* and *rcics/rcice* parameters is 0 – 16383 or \*.
  - If the *si* value is 13, the value of the *ecics/ecice* and *rcics/rcice* parameters is 0 – 4294967295 or \*.
2. If the *ssn* parameter is specified, the *si* value must be specified with the value 3.
3. If the *ecics/ecice* and *rcics/rcice* parameters are specified, the *si* parameter must be specified with the values 4, 5, or 13.
4. The *epc/epca/epci/epcn* parameter value must be a full point code and cannot be a spare point code.
5. If the *relcause* parameter is specified, the *si* parameter value must be 5 or 13, and the *ecics* parameter must be specified.
6. If a range of emulated CIC values is specified, the *ecics* and *ecice* parameters must be specified. The *ecice* parameter value must be equal to or greater than the *ecics* parameter value.
7. If a range of real CIC values is specified, the *rcics* and *rcice* parameters must be specified. The *rcice* parameter value must be equal to or greater than the *rcics* parameter value.
8. If the *ecice* parameter is specified, the *ecics* parameter must be specified.
9. If the *rcice* parameter is specified, the *rcics* parameter must be specified.
10. If the *rcics* parameter is specified, the *ecics* parameter must be specified.
11. If the *ecics*, *ecice*, and *rcics* parameters are specified, the *rcice* parameter must be specified.
12. If the *ecics*, *rcics*, and *rcice* parameters are specified, the *ecice* parameter must be specified.
13. If a range of emulated CIC and real CIC values are specified, the difference between the ECICS and ECICE values must be the same as the difference between the RCICS and RCICE values. Where CIC translations are not applied uniformly across a trunk group, it is recommended that the CIC should be provisioned in ranges such that a trunk is not split across PCT translations.
14. If the *epc/epca/epci/epcn* parameter value is equal to the *realpc/realpca/realpci/realpcn* parameter value, the range of emulated CIC values cannot be the same as the range of real CIC values.
15. Duplicate values for these key combinations are not allowed.
  - epc/epca/epci/epcn* + *filtpc/filtpca/filtpci/filtpcn* + *si* + *ssn/(ecics/ecice)*
  - realpc/realpca/realpci/realpcn* + *filtpc/filtpca/filtpci/filtpcn* + *si* + *ssn/(rcics/rcice)*
16. Only one filter point code value can be specified with the PCT entry, either an ANSI filter point code (*filtpc/filtpca*), an ITU-I filter point code (*filtpci*), or a 14-bit ITU-N filter point code (*filtpcn*).
17. If the *si* parameter value is 0 or wildcard (\*), only the *epc/epca/epci/epcn*, *realpc/realpca/realpci/realpcn*, or *filtpc/filtpca/filtpci/filtpcn* parameters can be specified.
18. The value \* is a wildcard value. The wildcard value indicates that the parameter is not part of the key to find the matching translation.

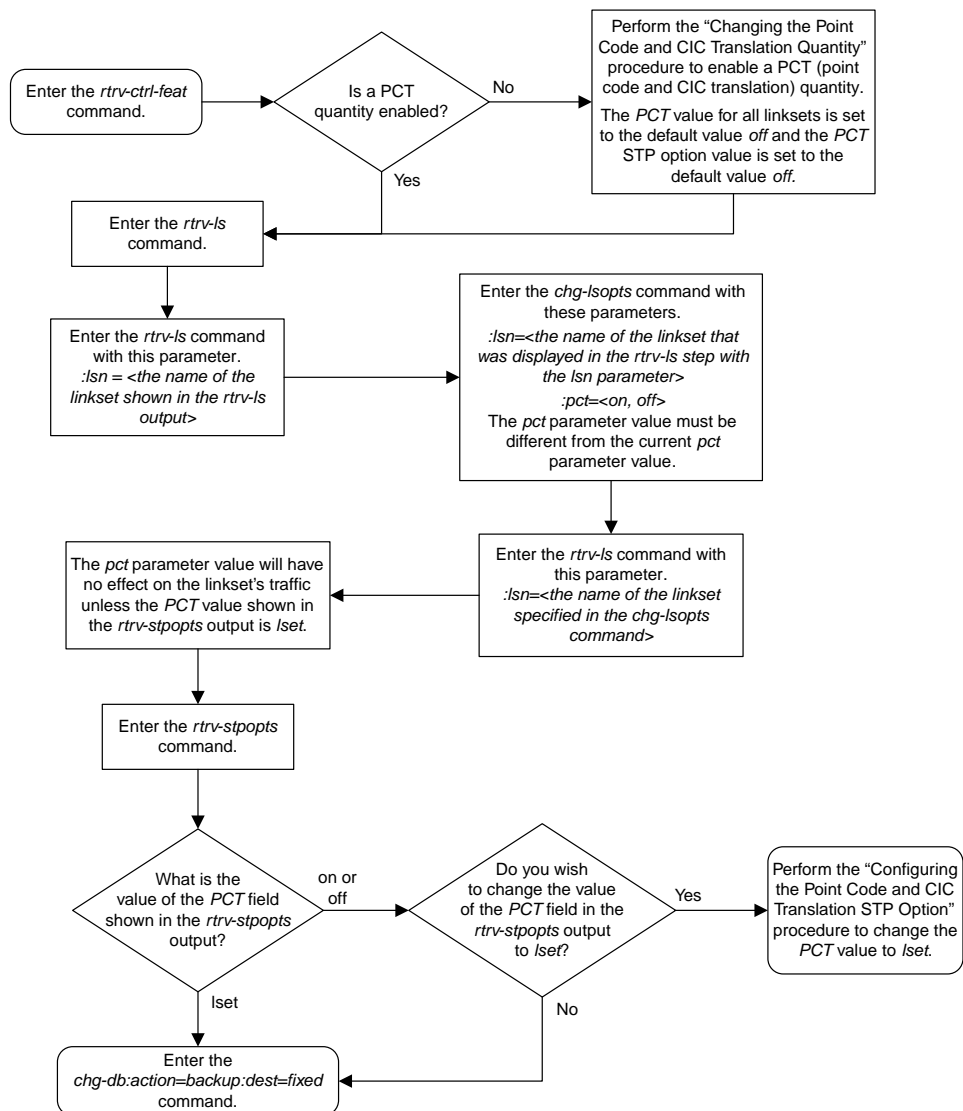
## Removing a Point Code and CIC Translation Entry



## Configuring the Point Code and CIC Translation STP Option



## Configuring the Point Code and CIC Translation Linkset Option





# Chapter 19

## E1 Interface Flowcharts

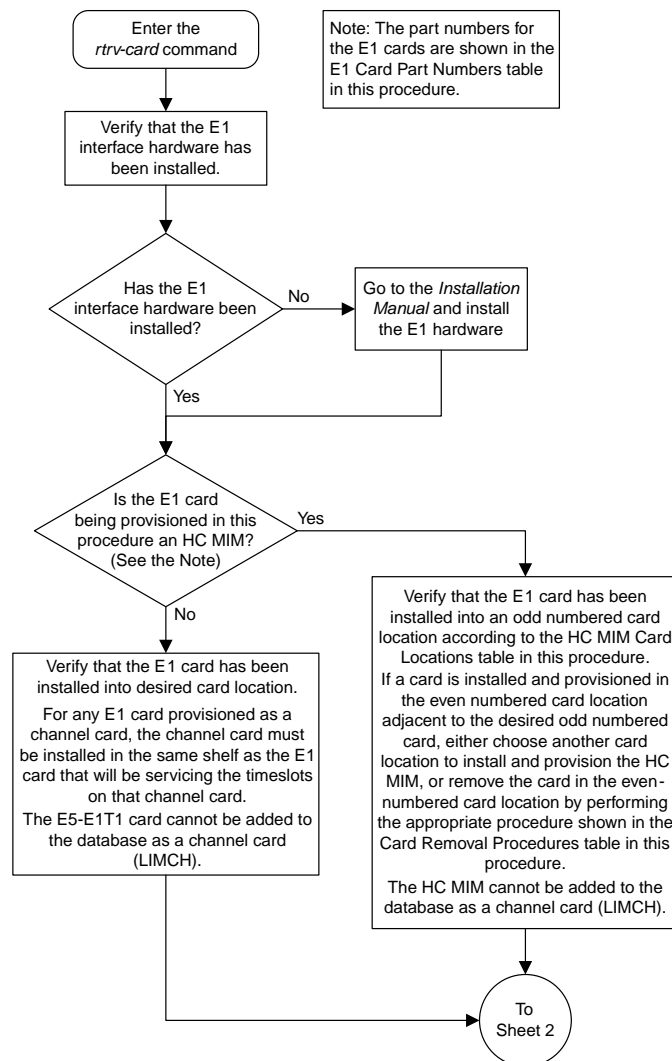
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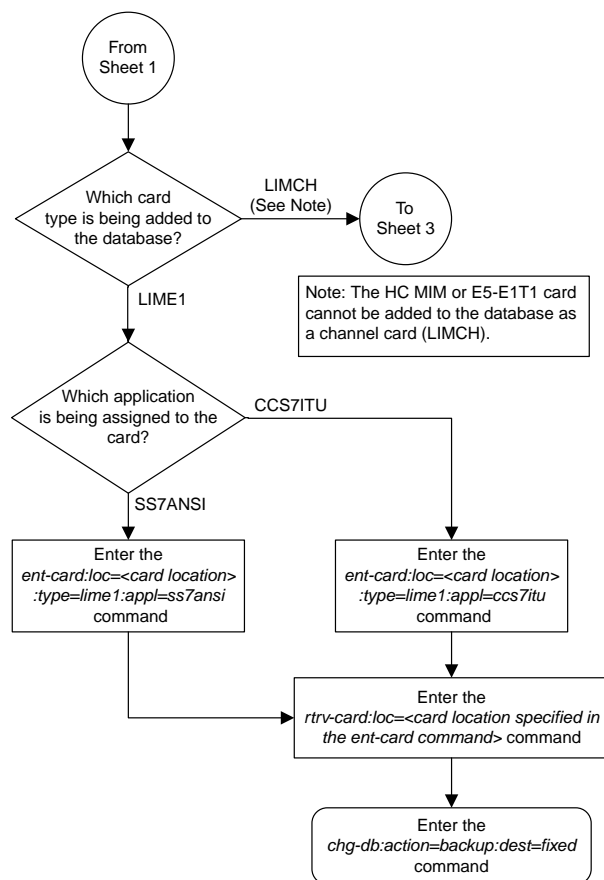
### Topics:

- [Adding a LIM-E1 Card.....1170](#)
- [Removing a LIM-E1 Card.....1173](#)
- [Adding Channelized and non-Channel Bridged E1 Ports.....1174](#)
- [Adding Channel Bridged E1 Ports.....1181](#)
- [Adding Unchannelized E1 Ports.....1187](#)
- [Removing the E1 Interface Parameters.....1197](#)
- [Changing the Attributes of a Channelized E1 Port.....1198](#)
- [Changing the Attributes of an Unchannelized E1 Port.....1202](#)
- [Making a Channel Bridged E1 Port from a Channelized E1 Port.....1204](#)
- [Making a Non-Channel Bridged E1 Port from a Channel Bridged E1 Port.....1210](#)
- [Adding an E1 Signaling Link.....1212](#)

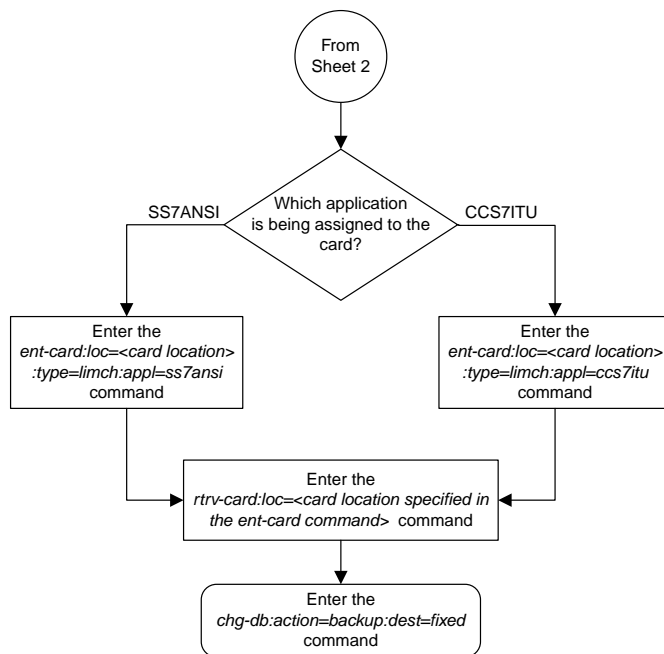
This chapter contains the flowcharts for the procedures used to configure the E1 interface. These procedures are located in the *Database Administration Manual - SS7*.

## Adding a LIM-E1 Card

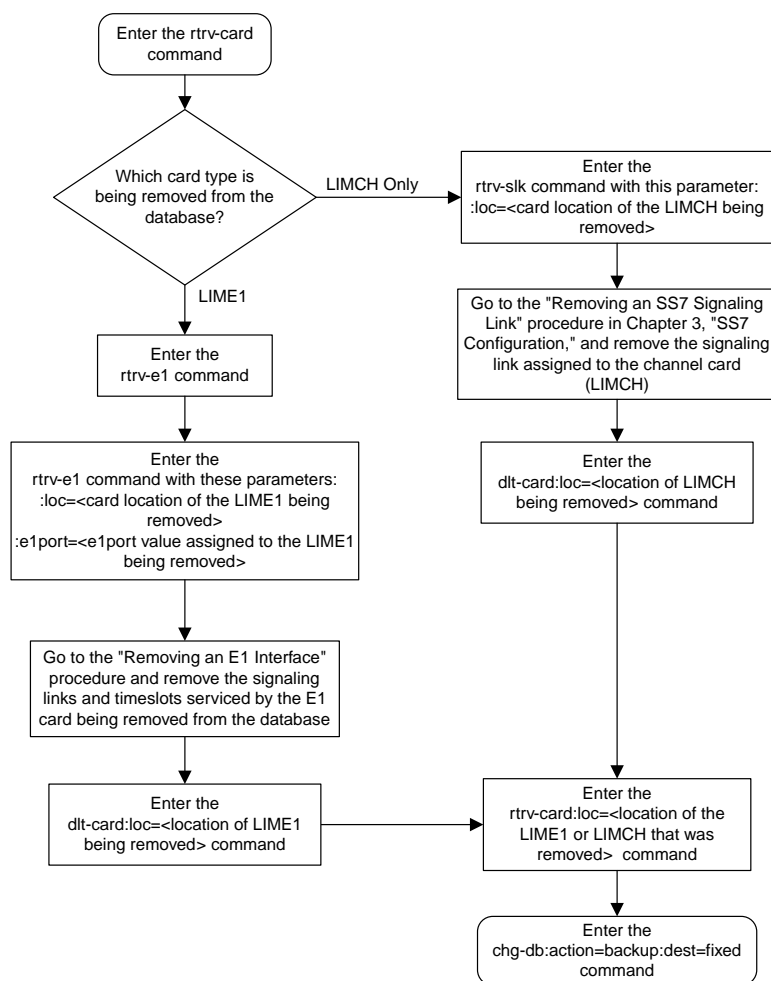




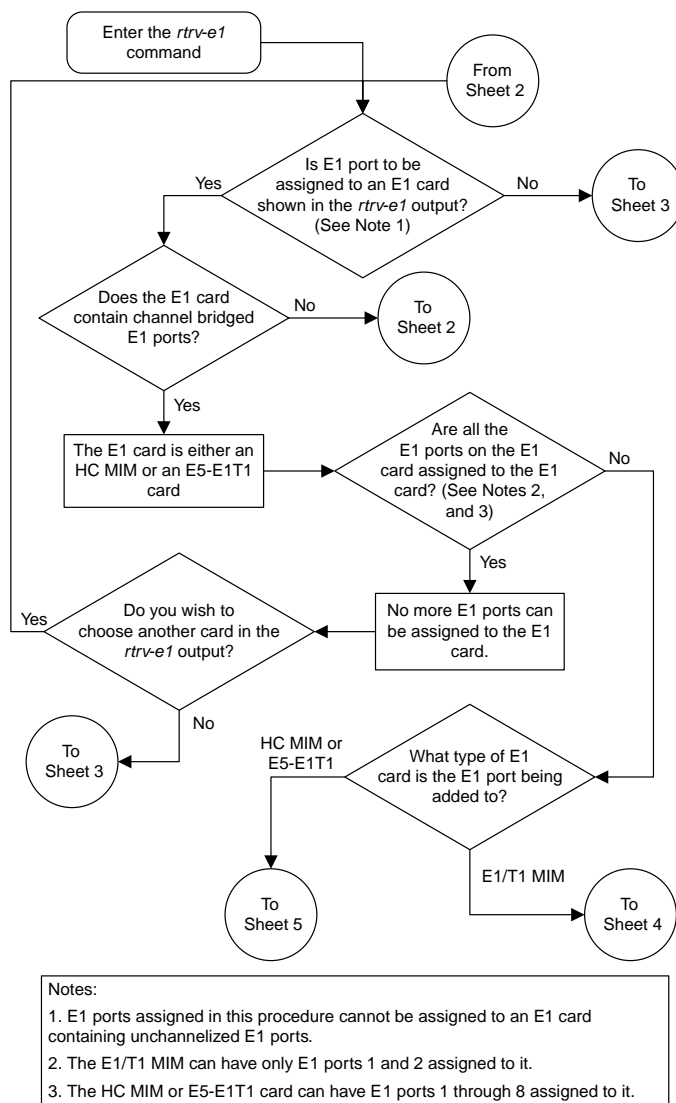
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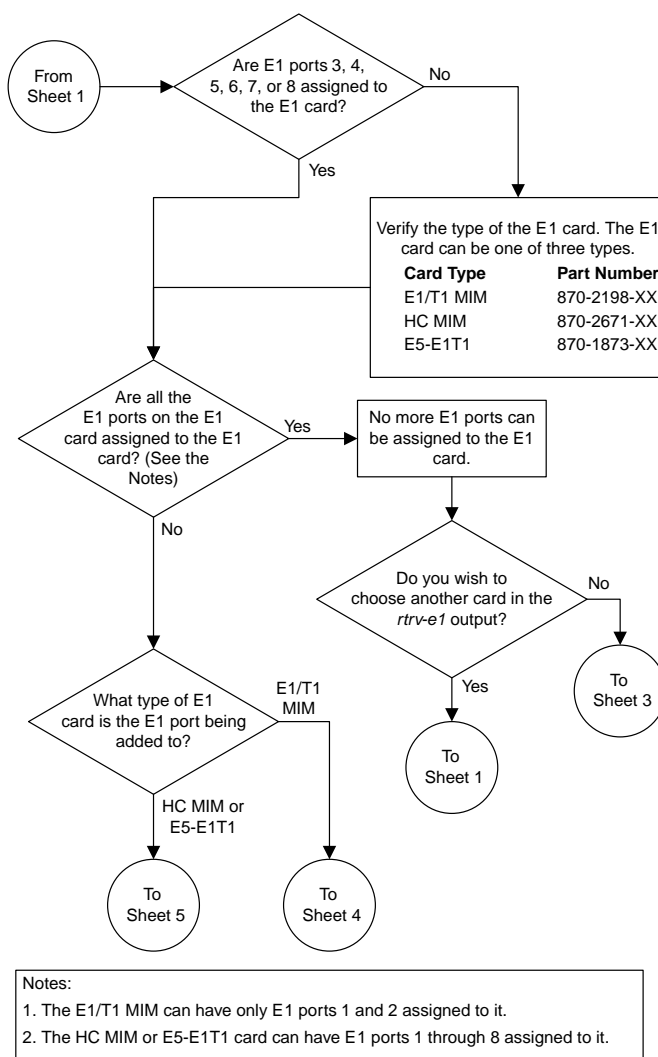


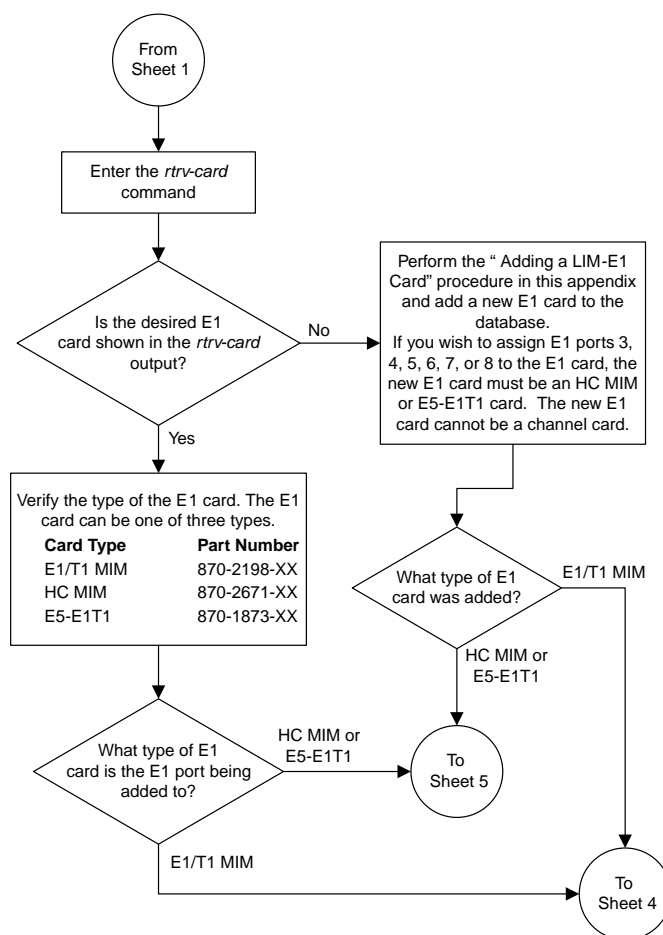
## Removing a LIM-E1 Card



## Adding Channelized and non-Channel Bridged E1 Ports

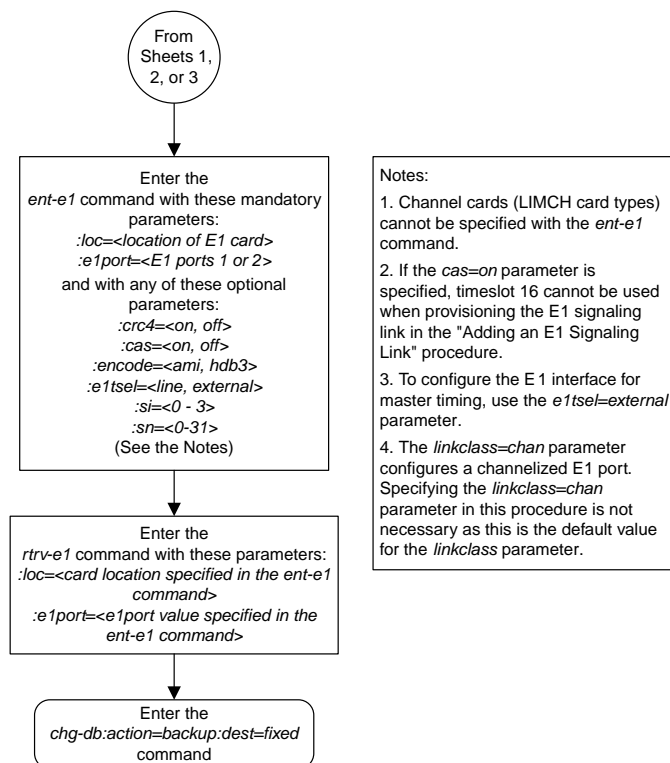


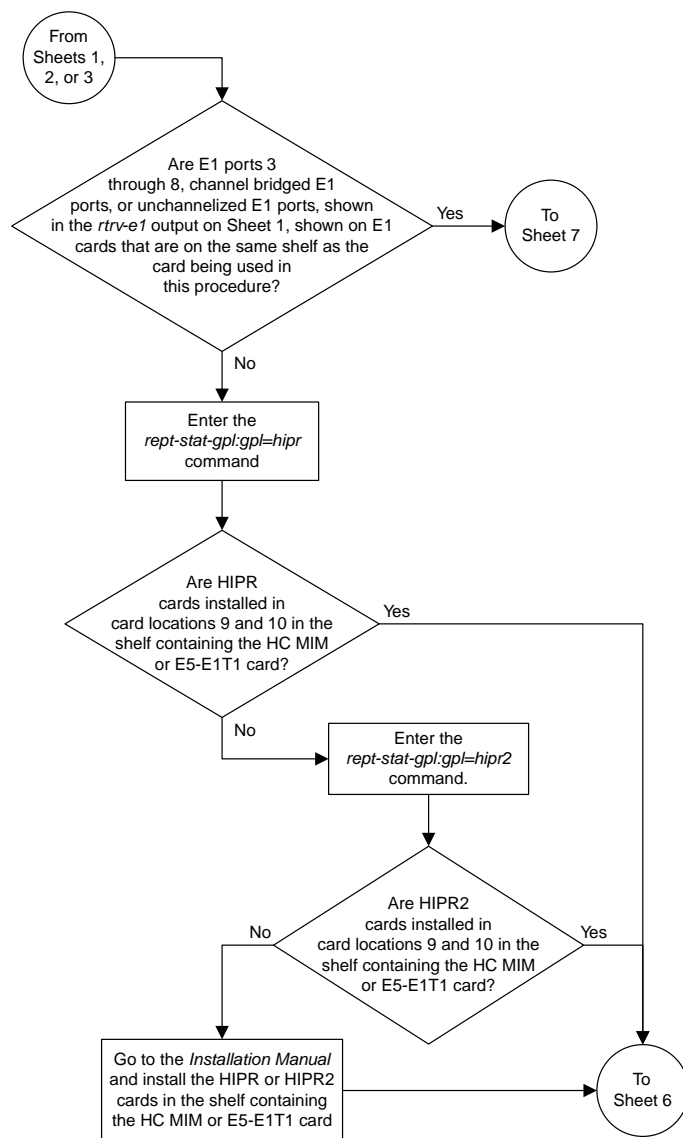




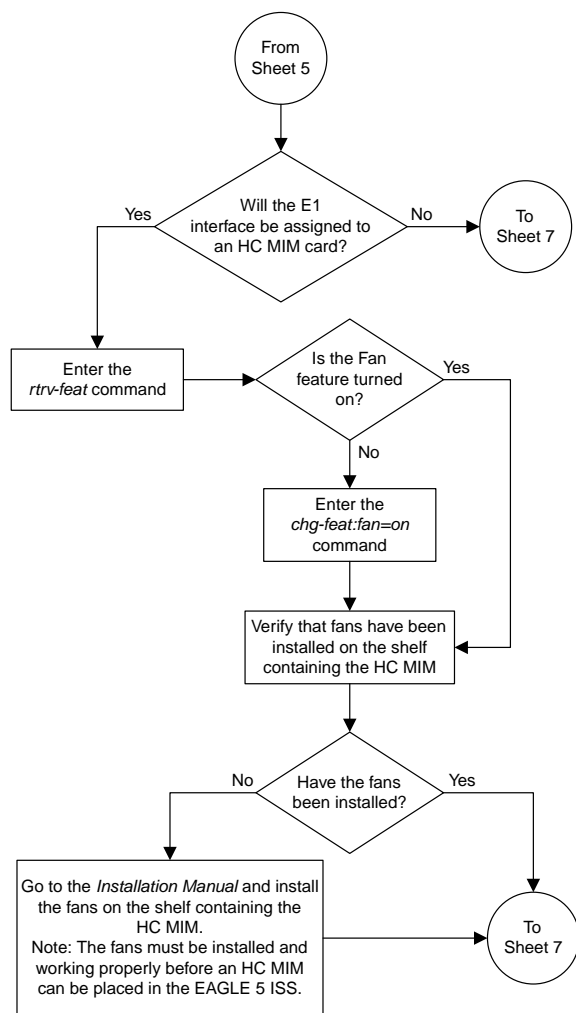
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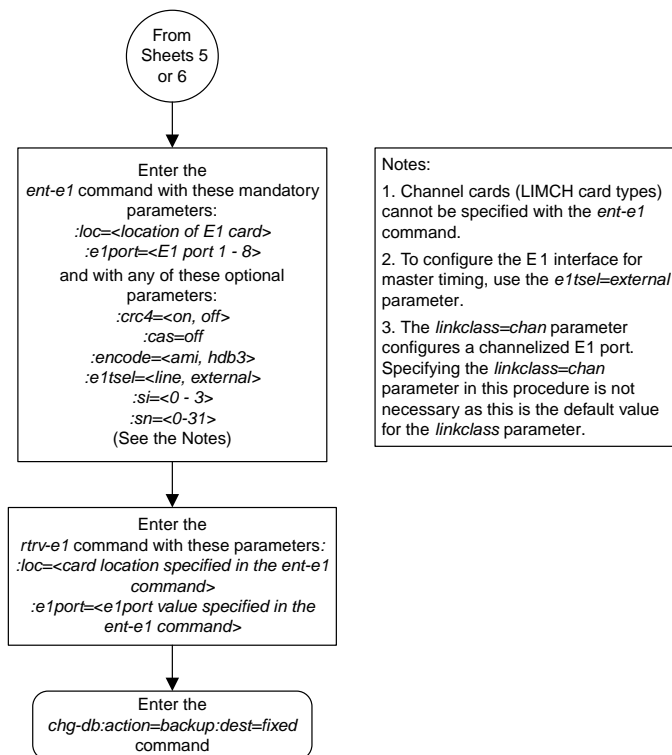




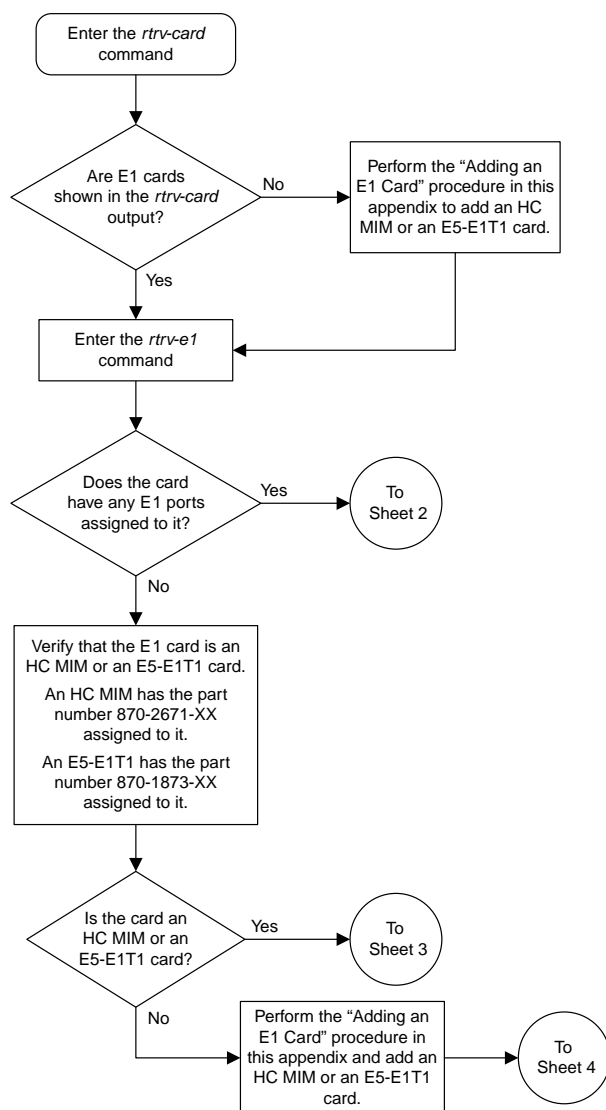
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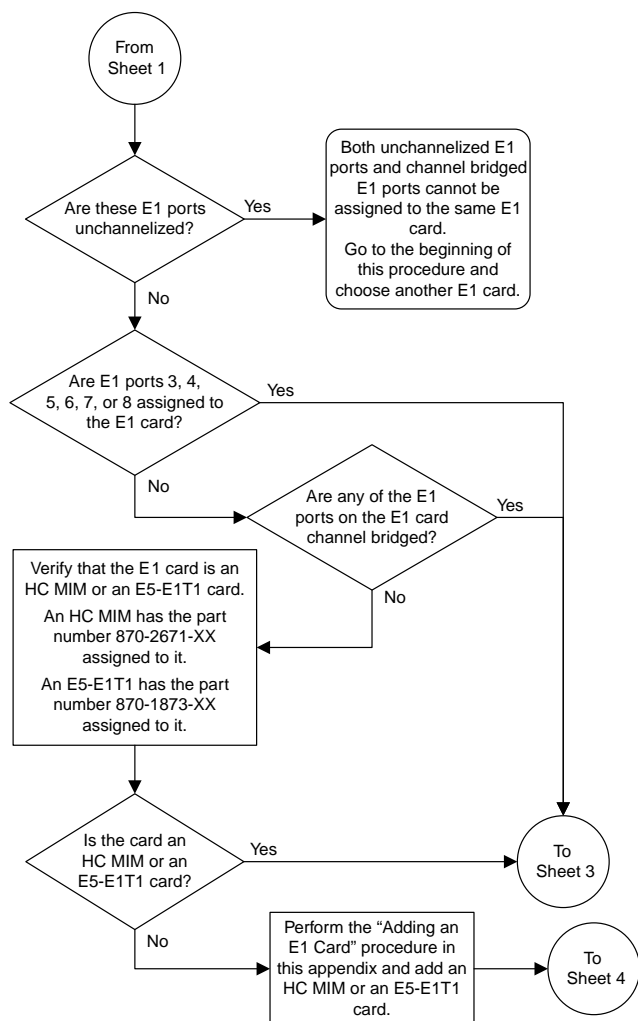
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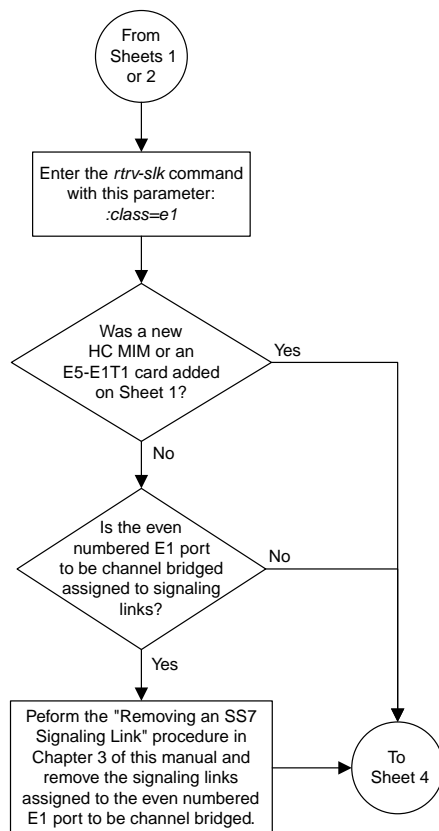
## Adding Channel Bridged E1 Ports



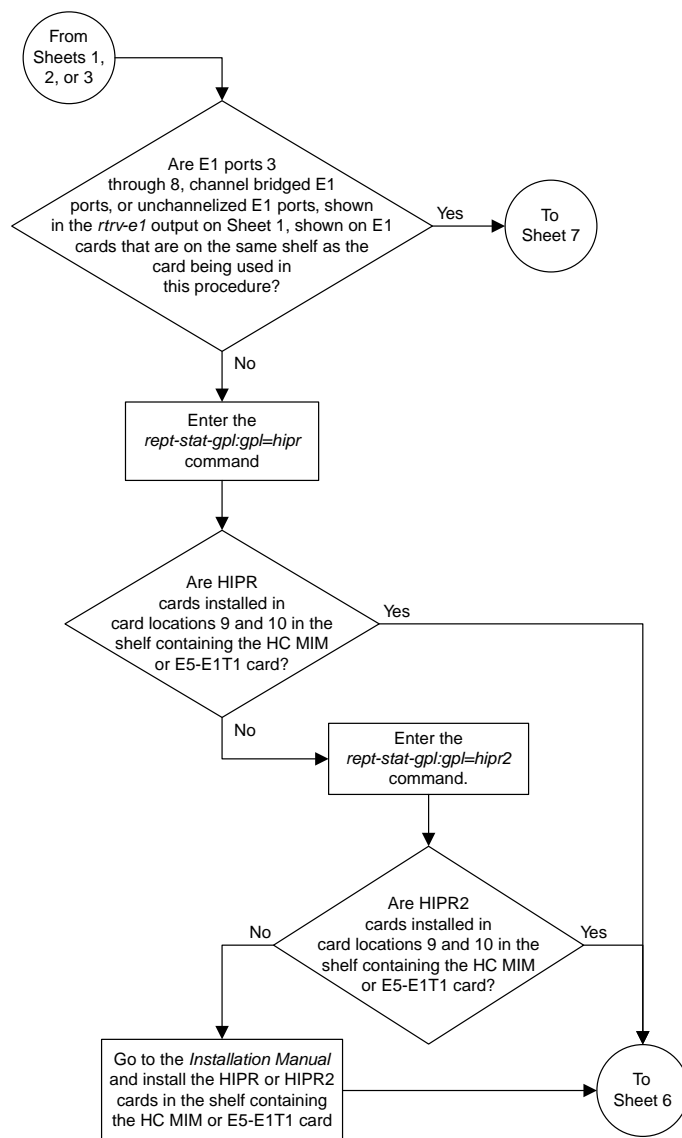
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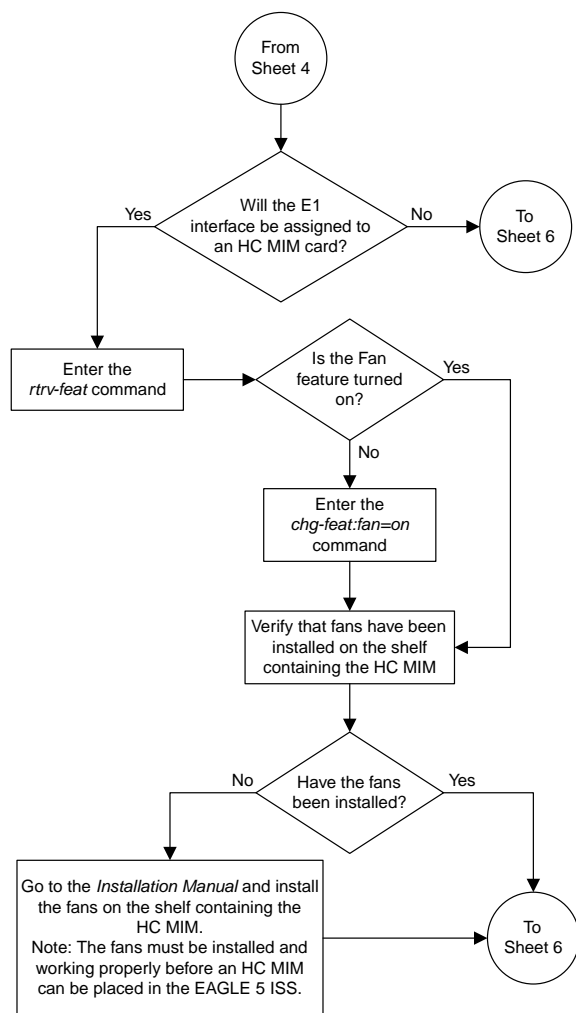


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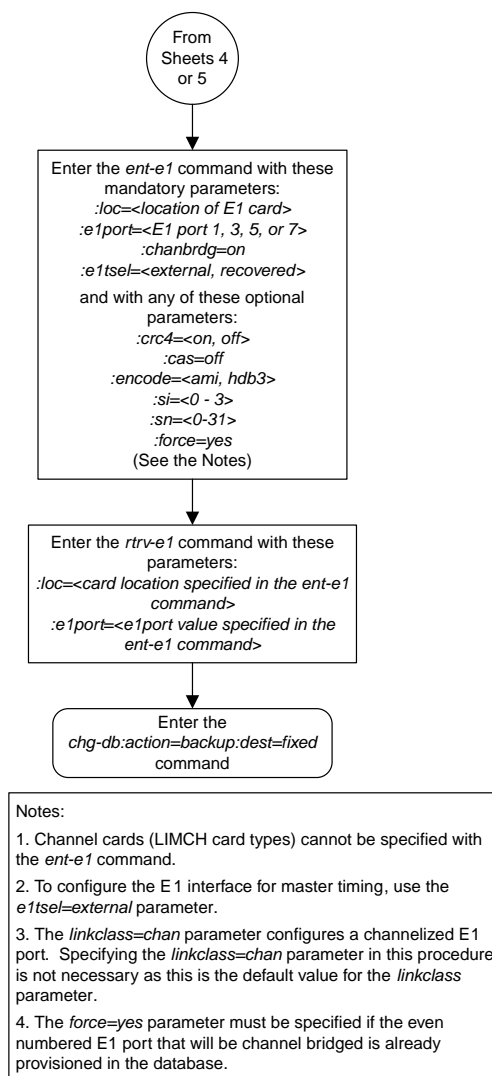


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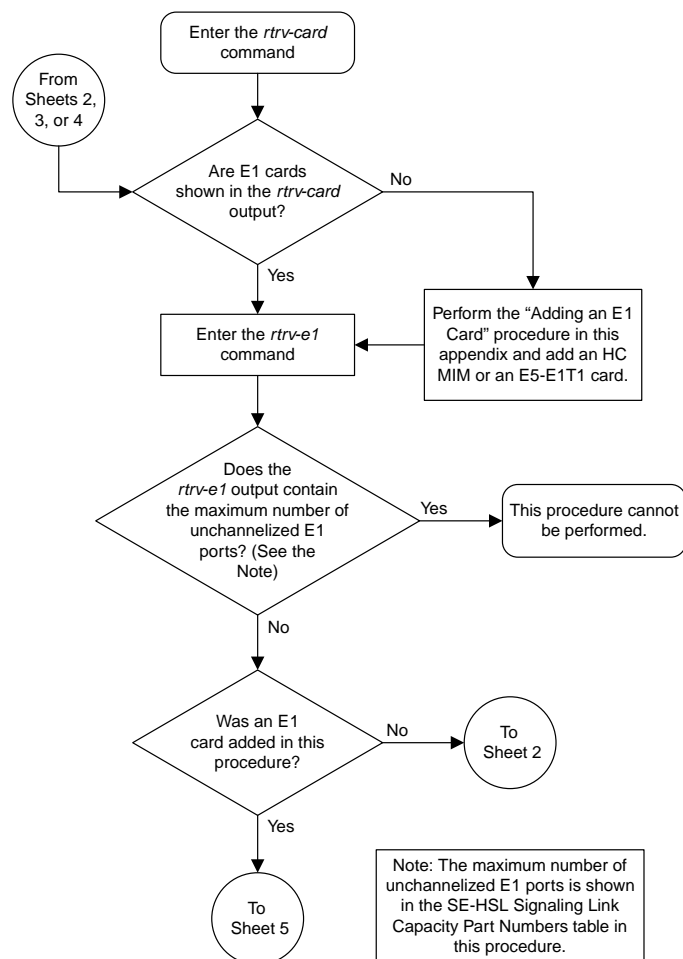


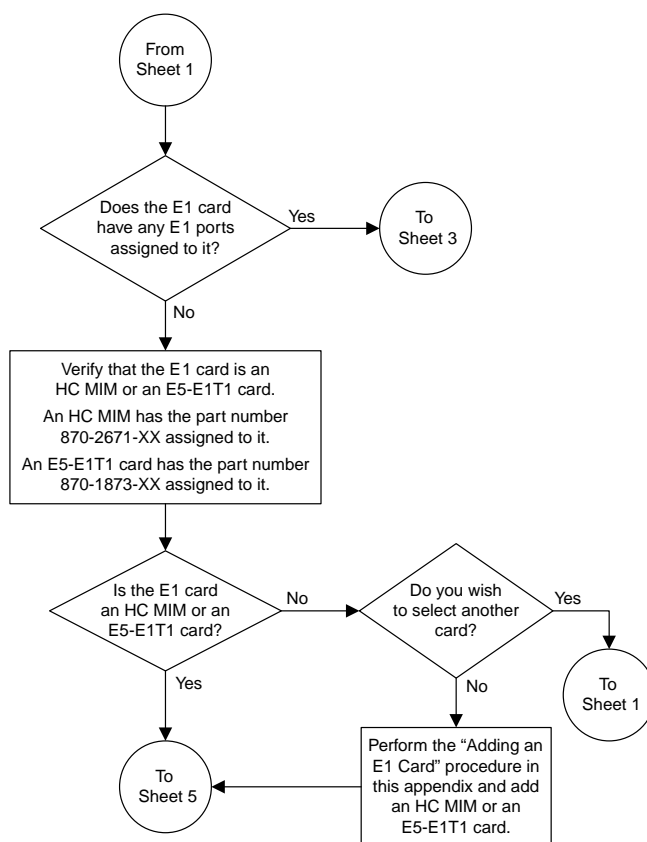


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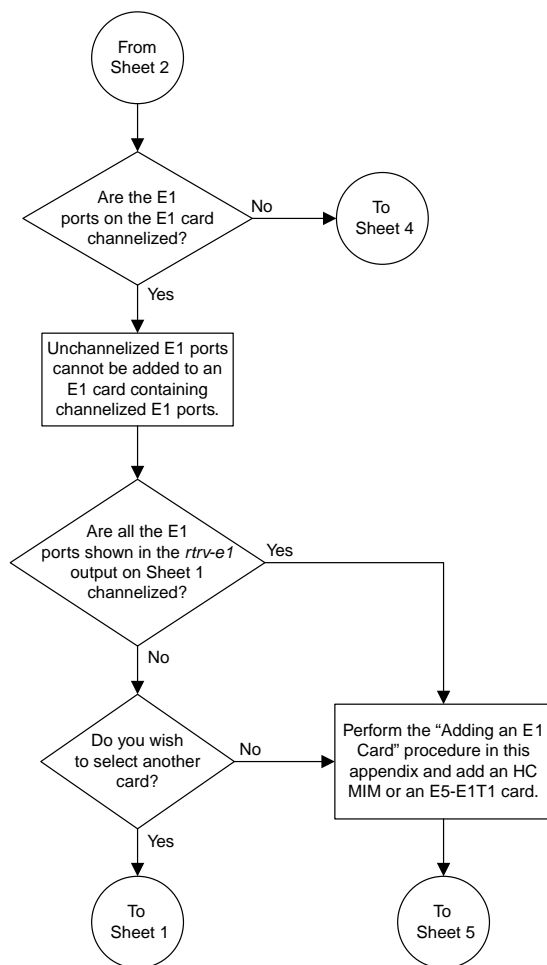


## Adding Unchannelized E1 Ports

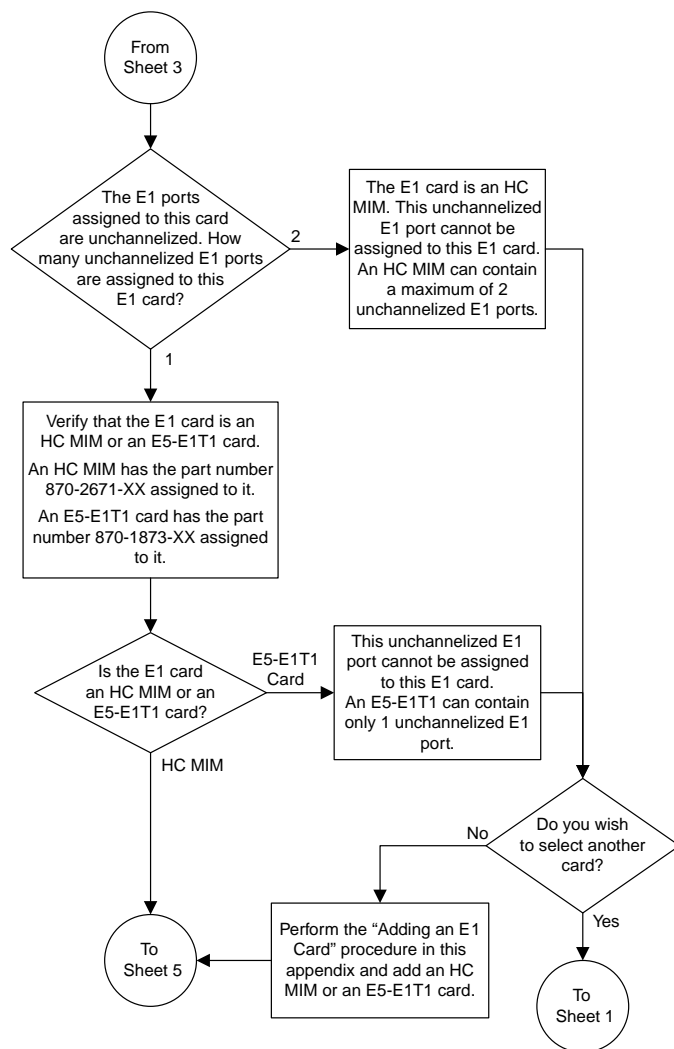


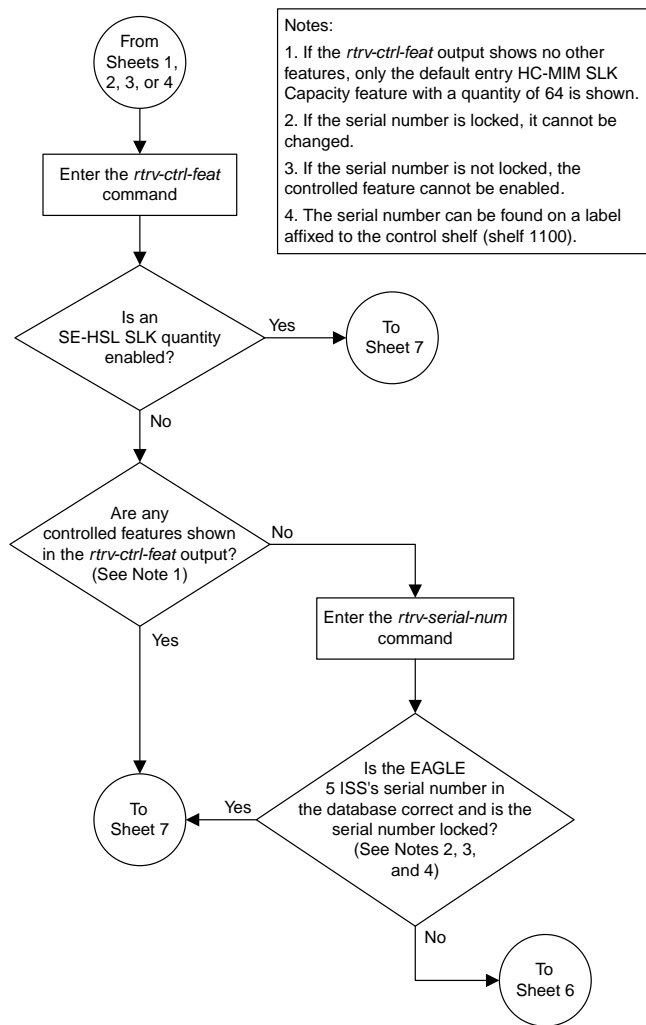


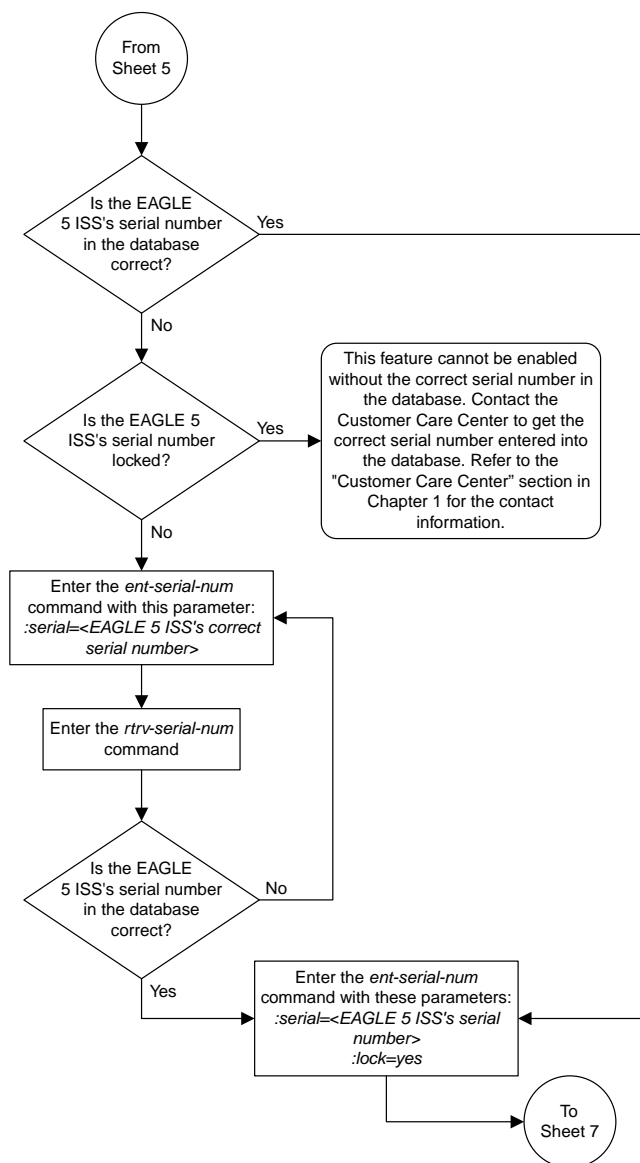
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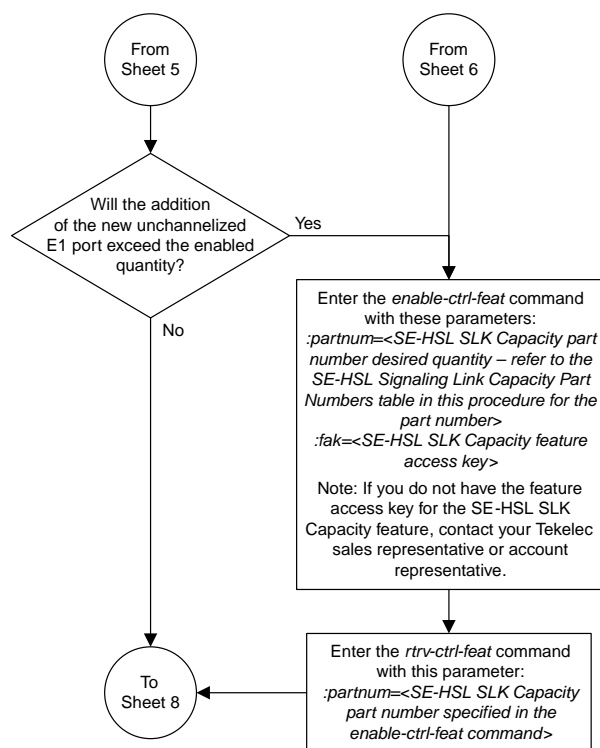
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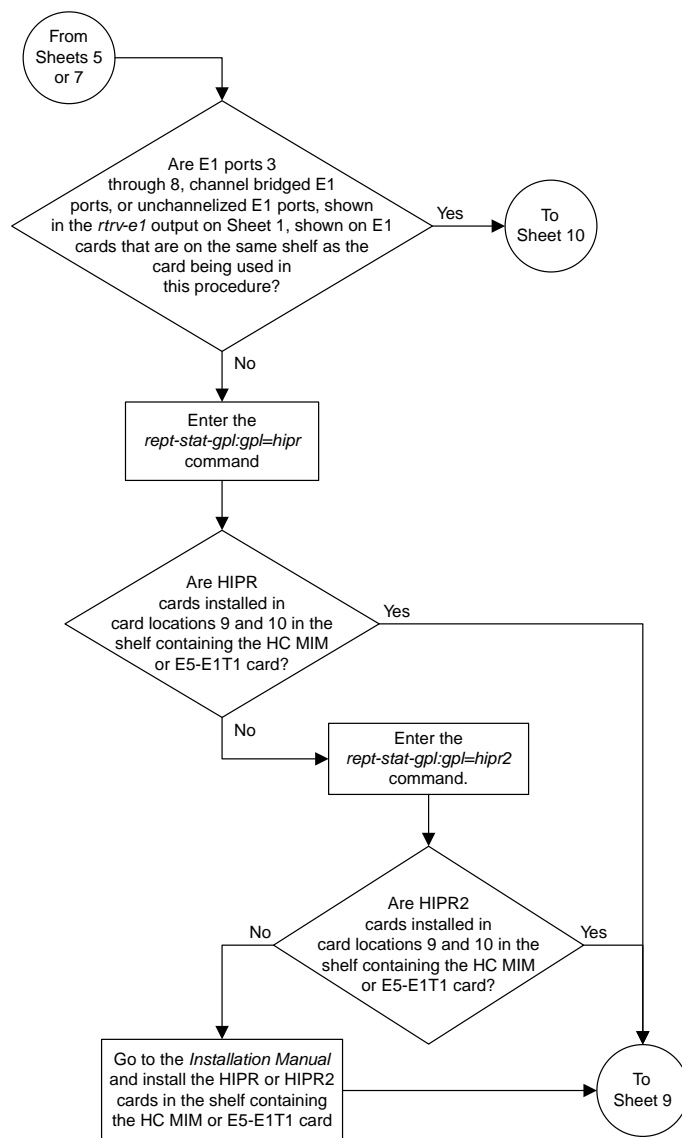




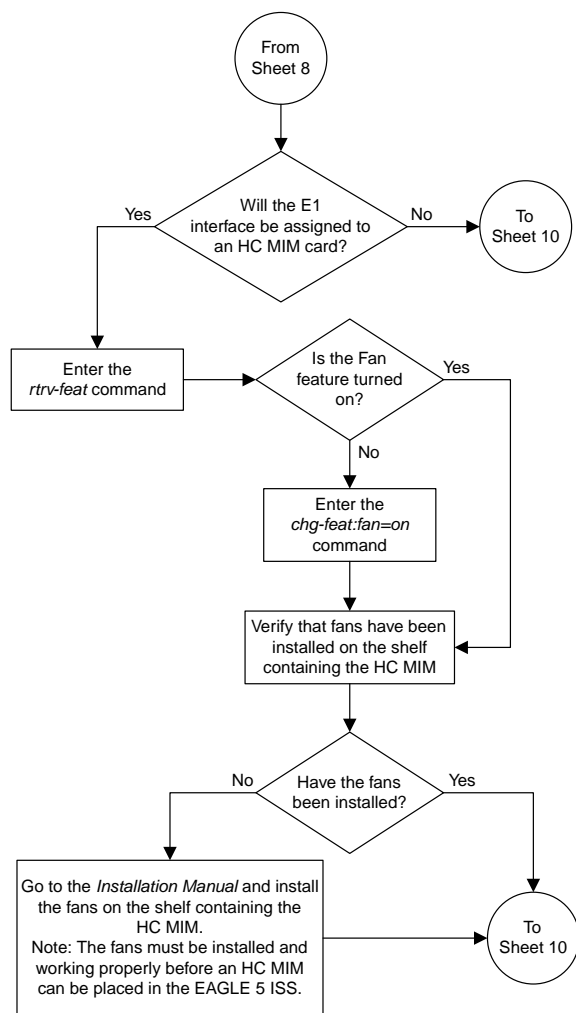




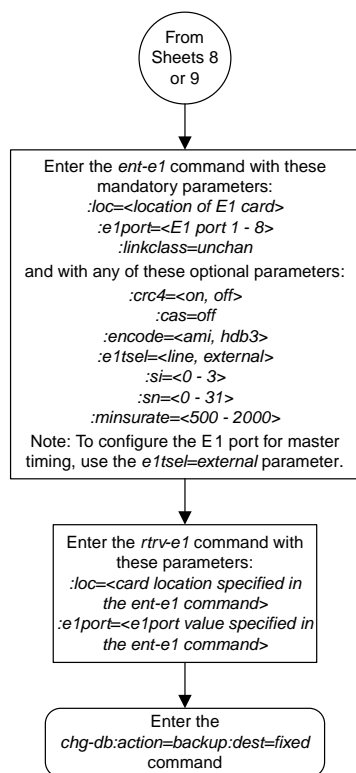




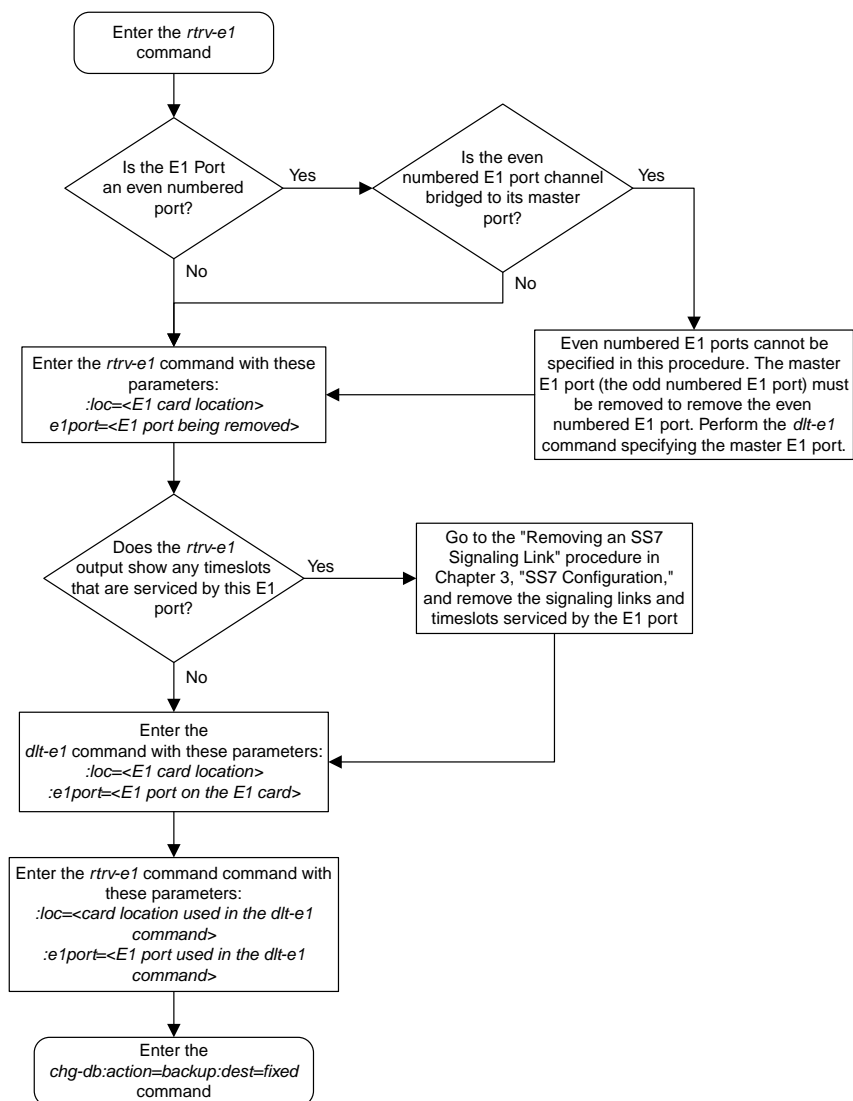
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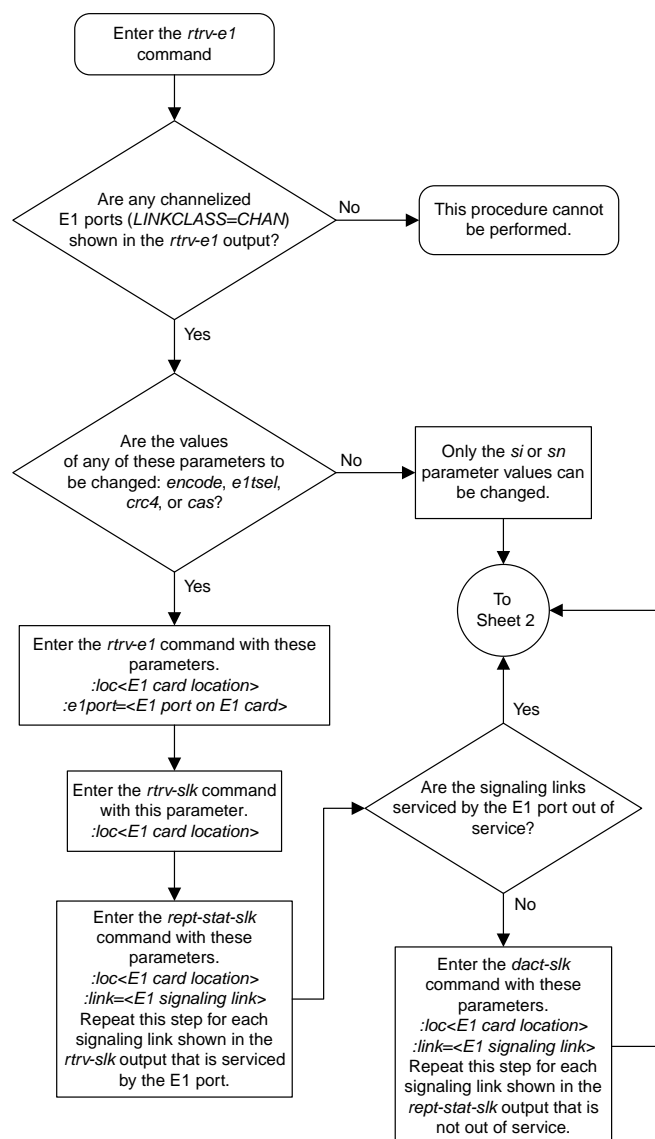
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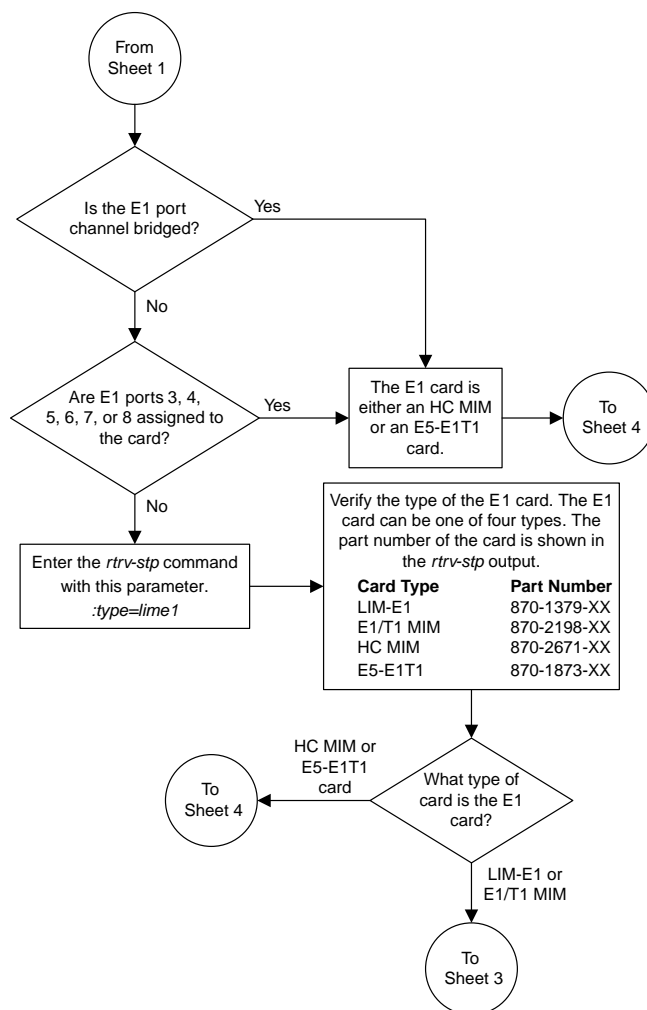
## Removing the E1 Interface Parameters



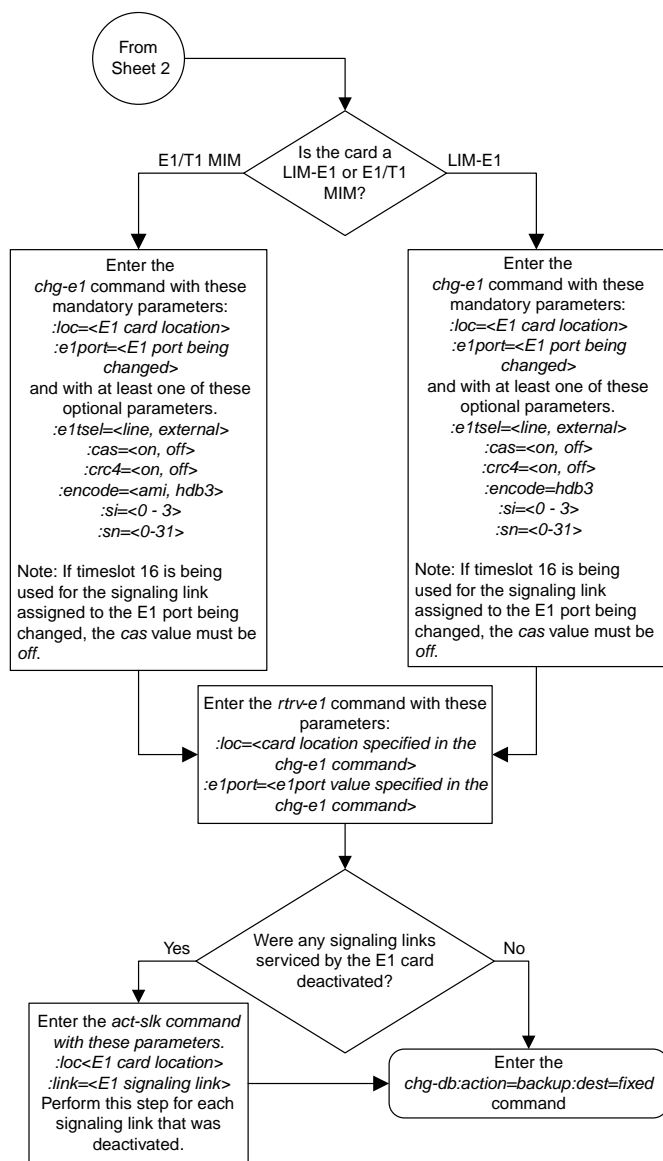
## Changing the Attributes of a Channelized E1 Port



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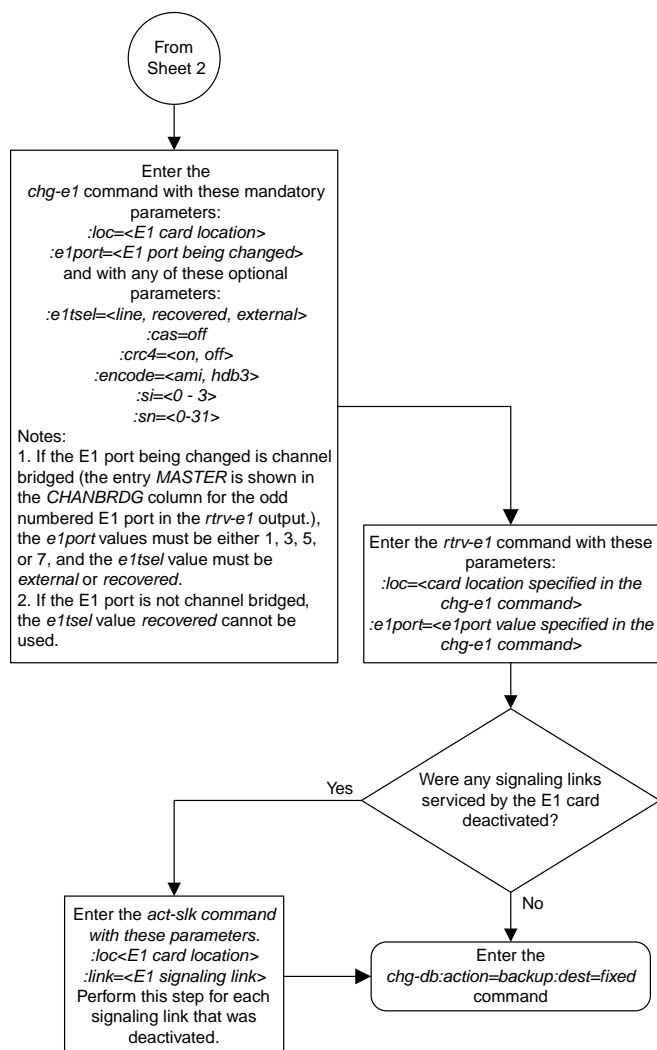


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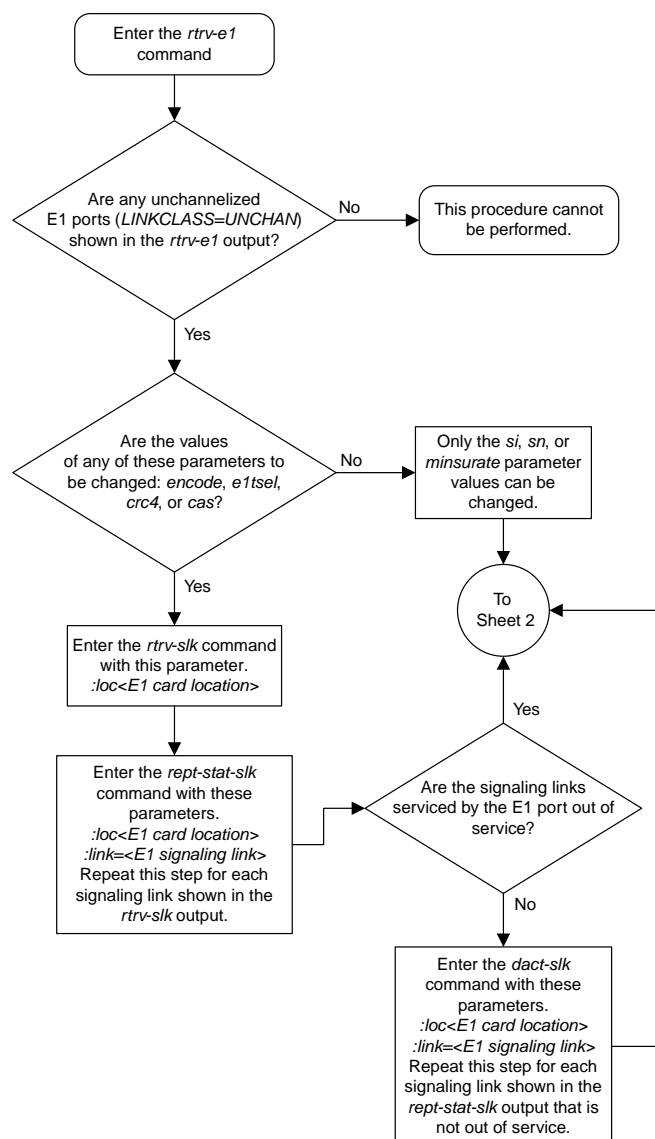


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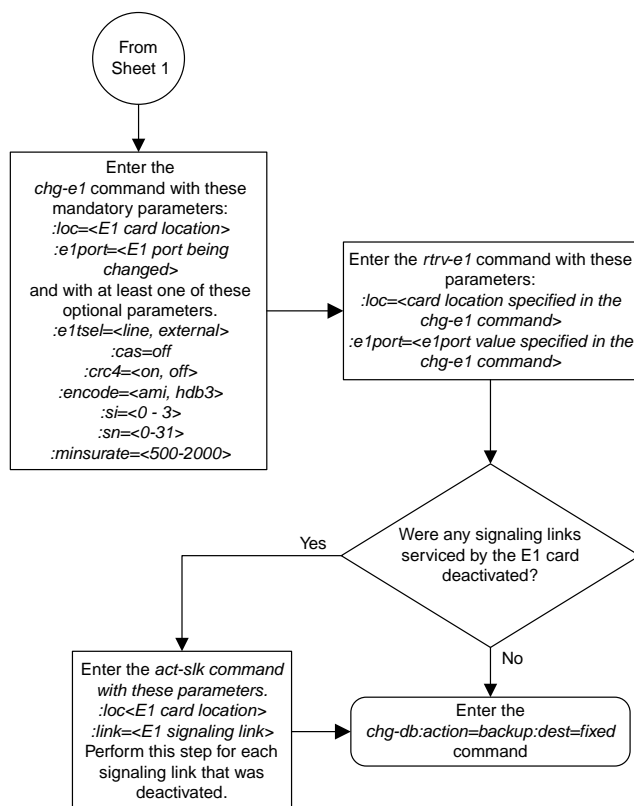




## Changing the Attributes of an Unchannelized E1 Port

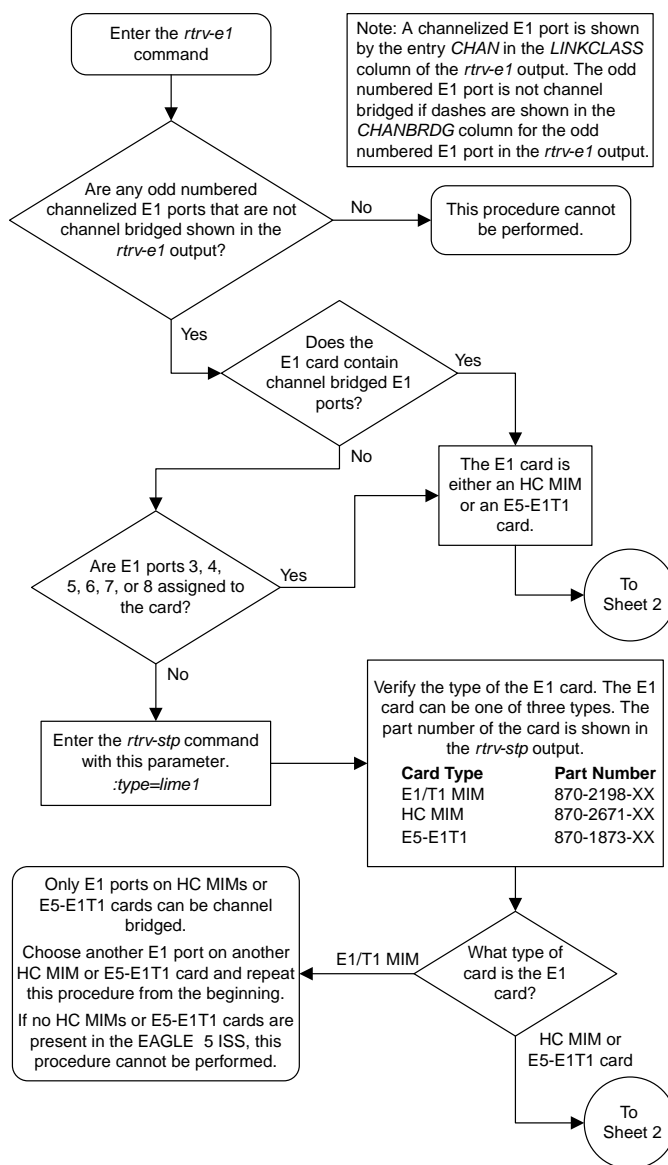


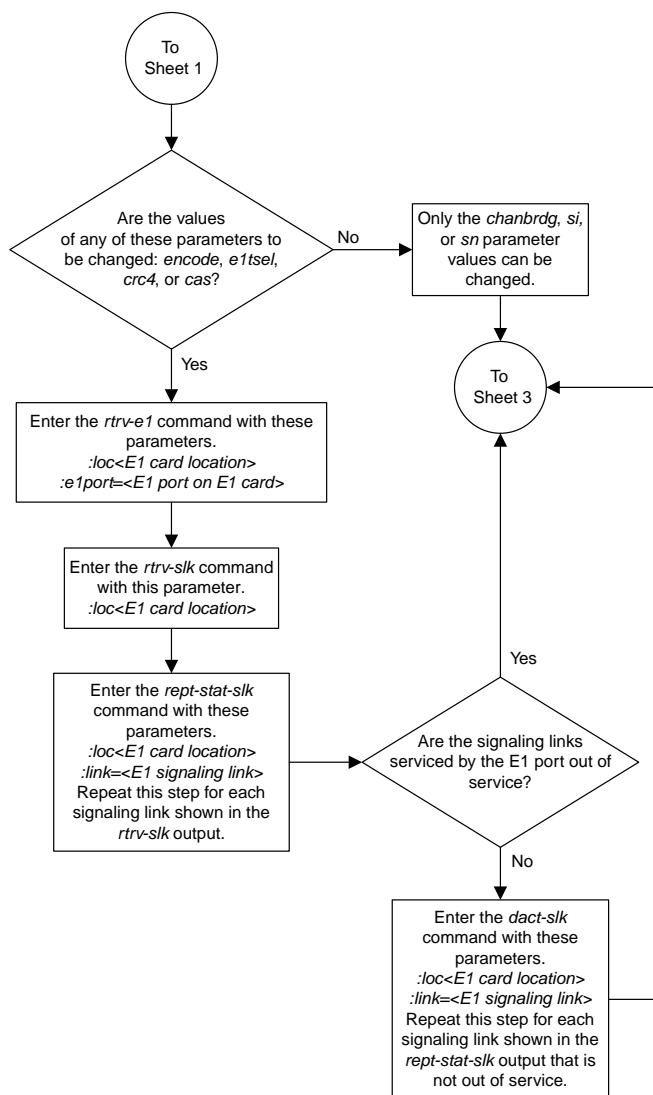
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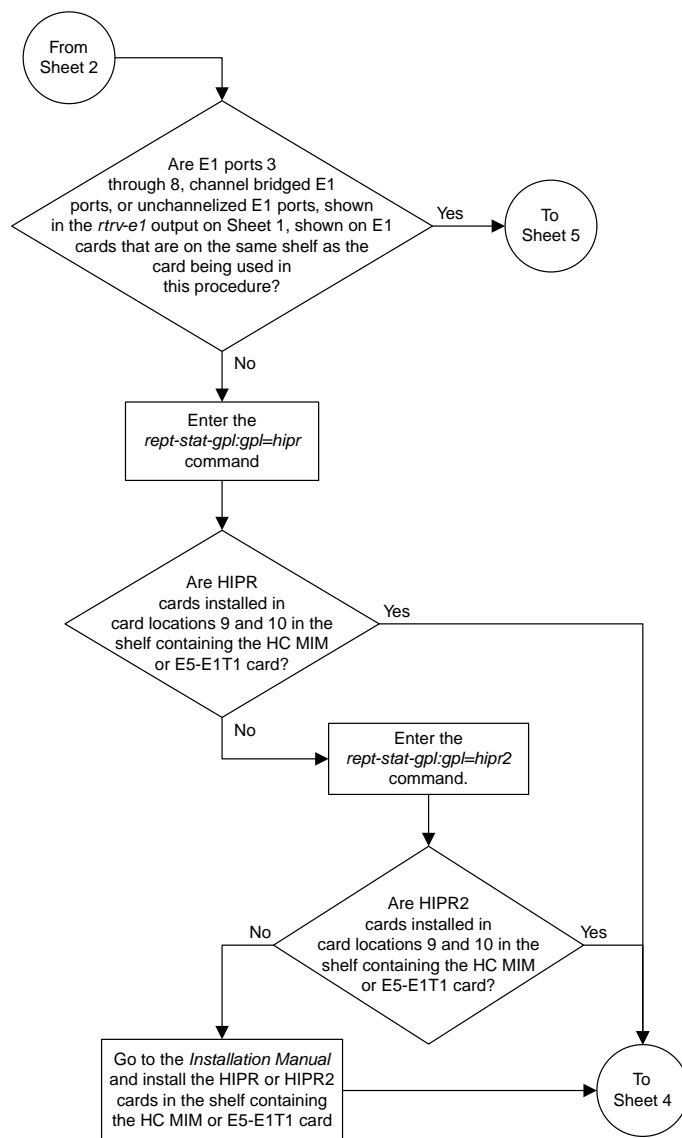
Sheet 2 of 2

## Making a Channel Bridged E1 Port from a Channelized E1 Port

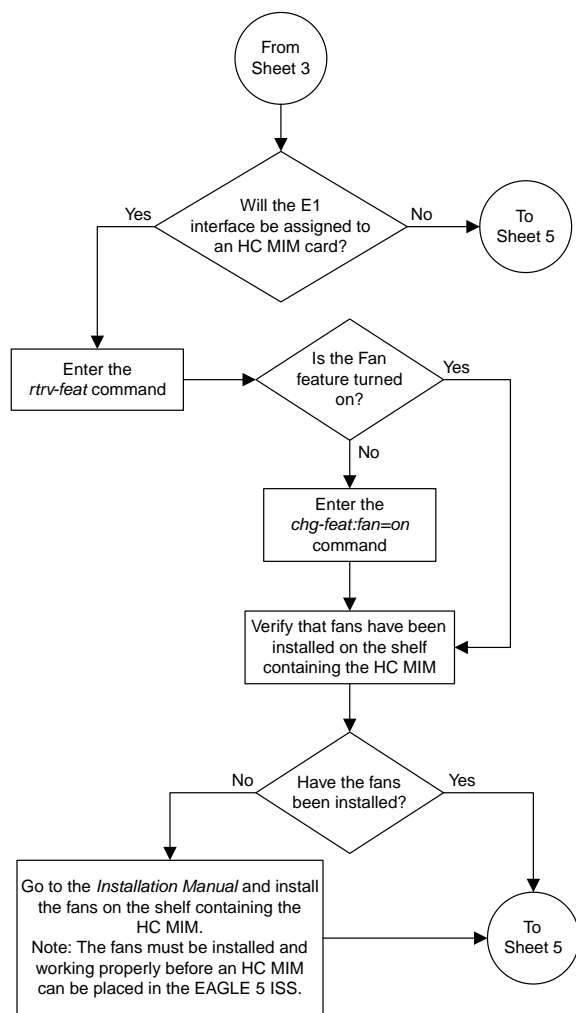


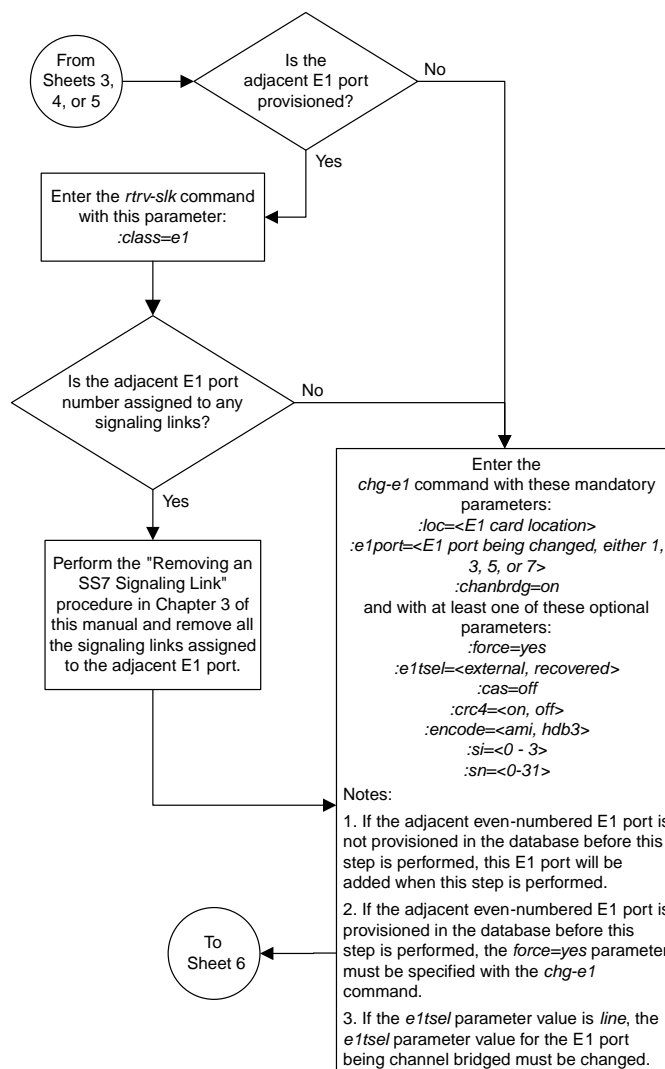


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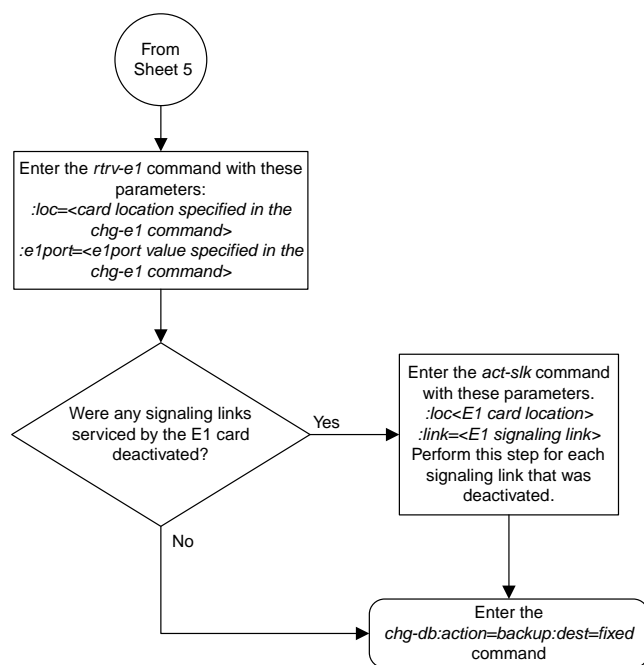


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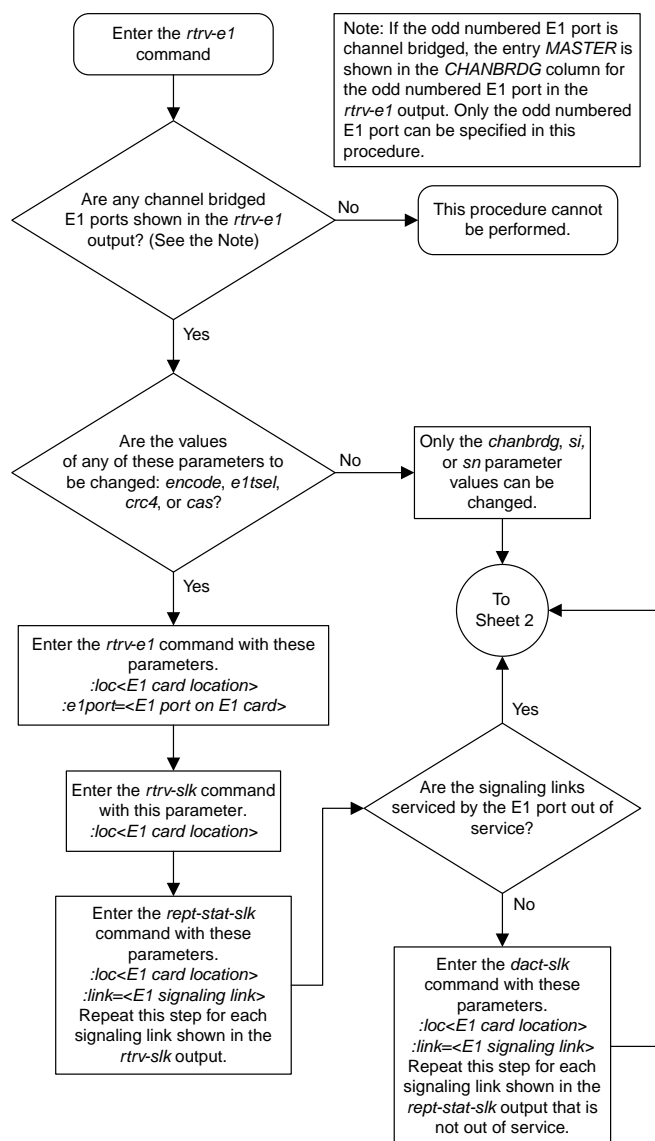


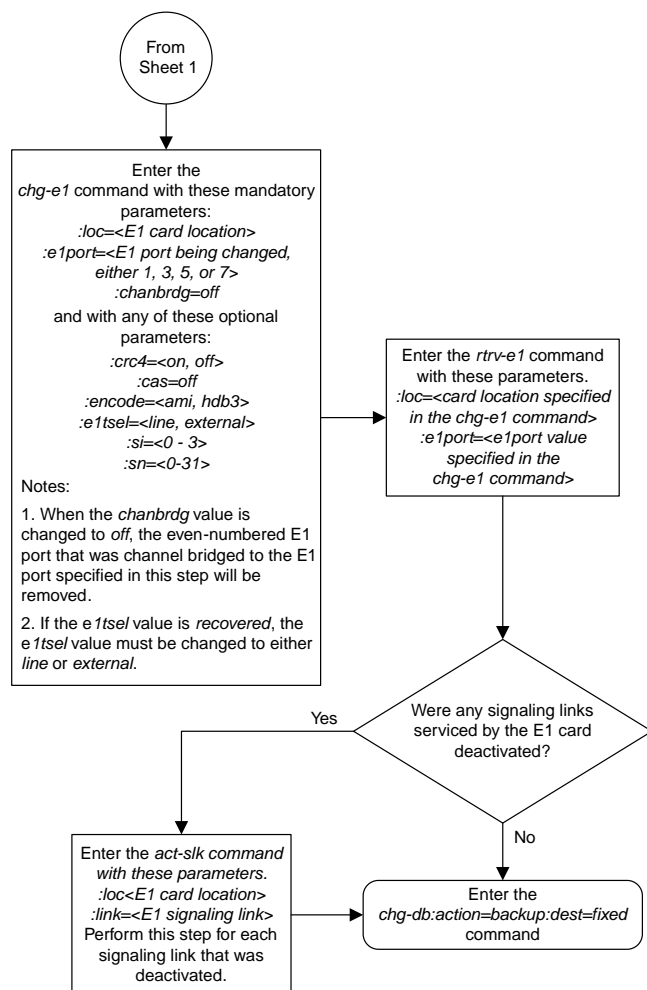






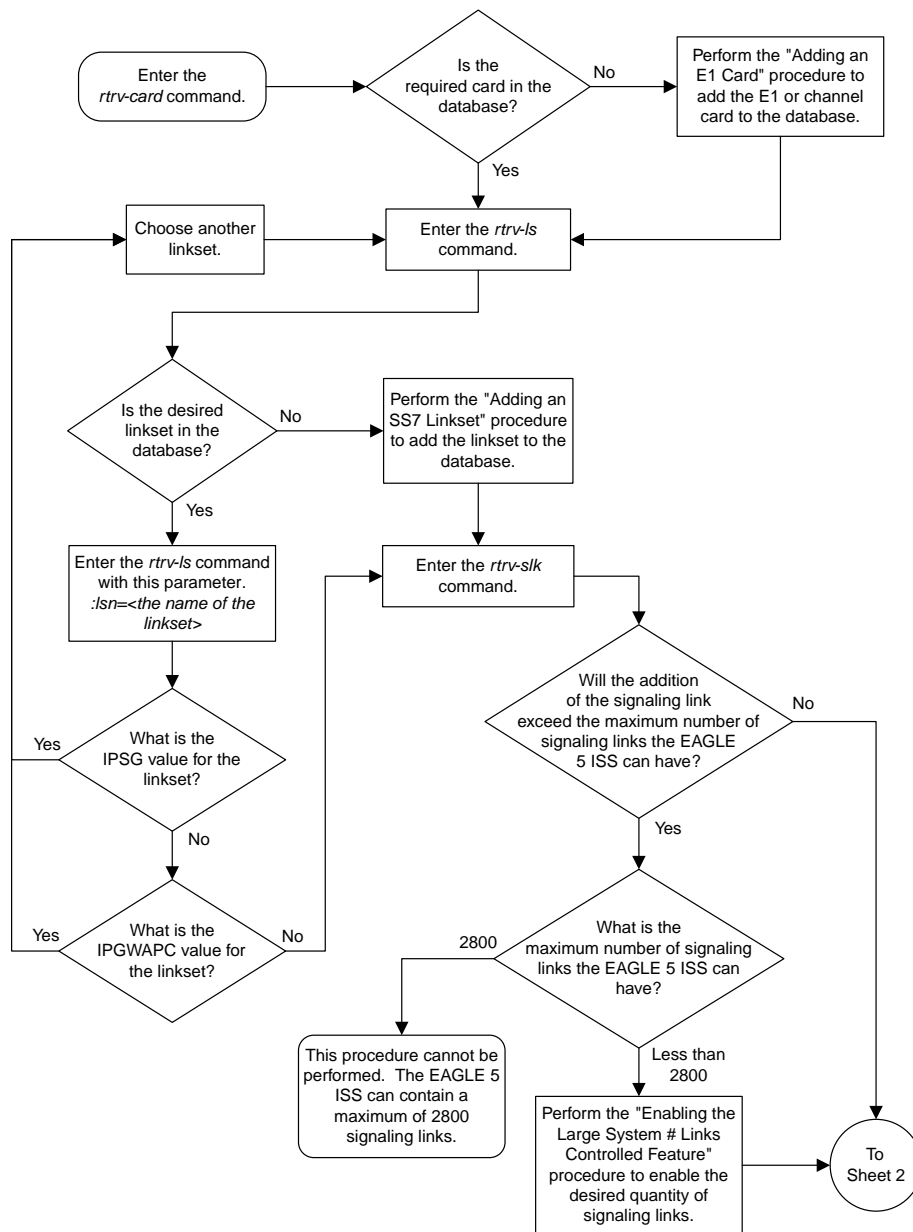
## Making a Non-Channel Bridged E1 Port from a Channel Bridged E1 Port



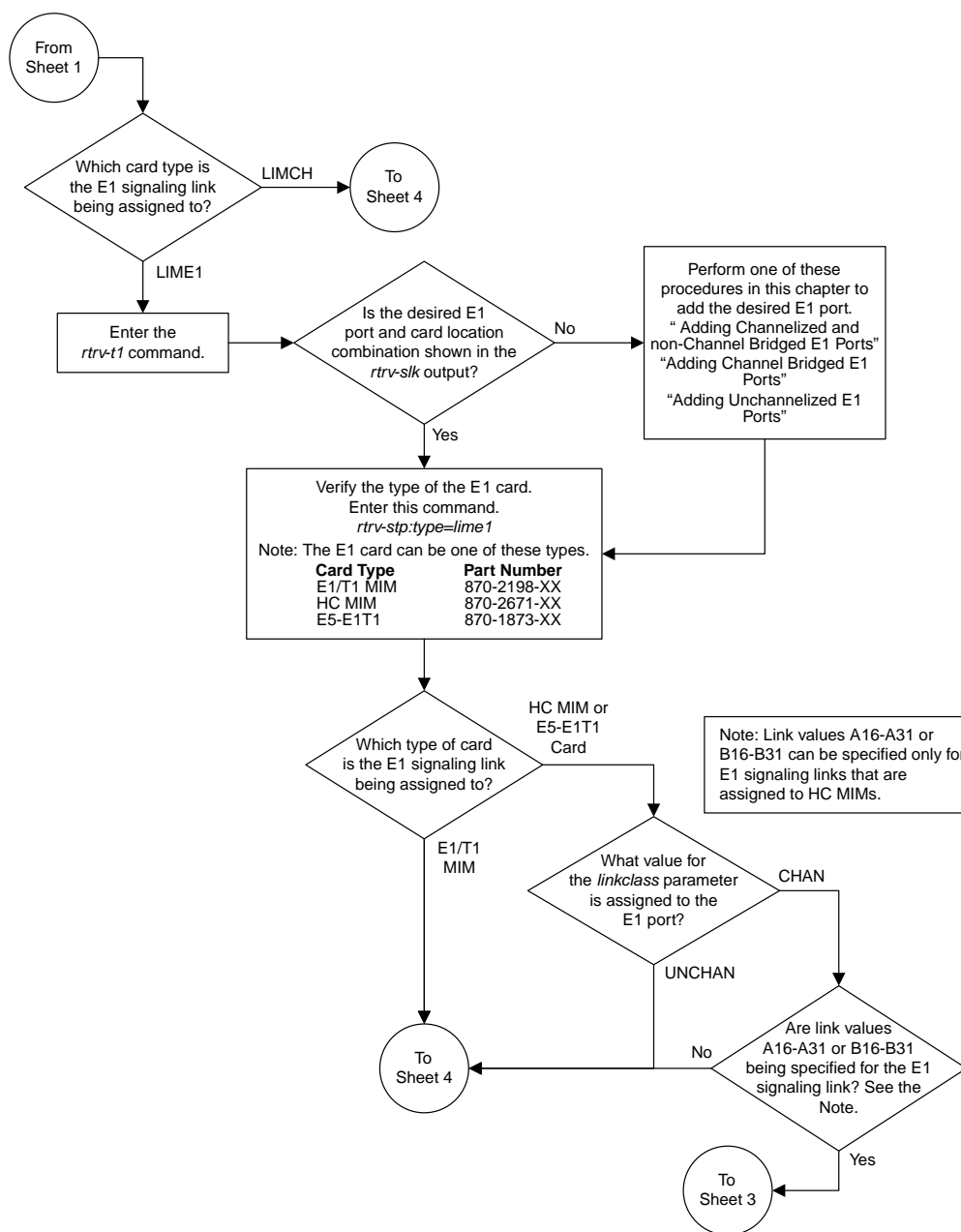


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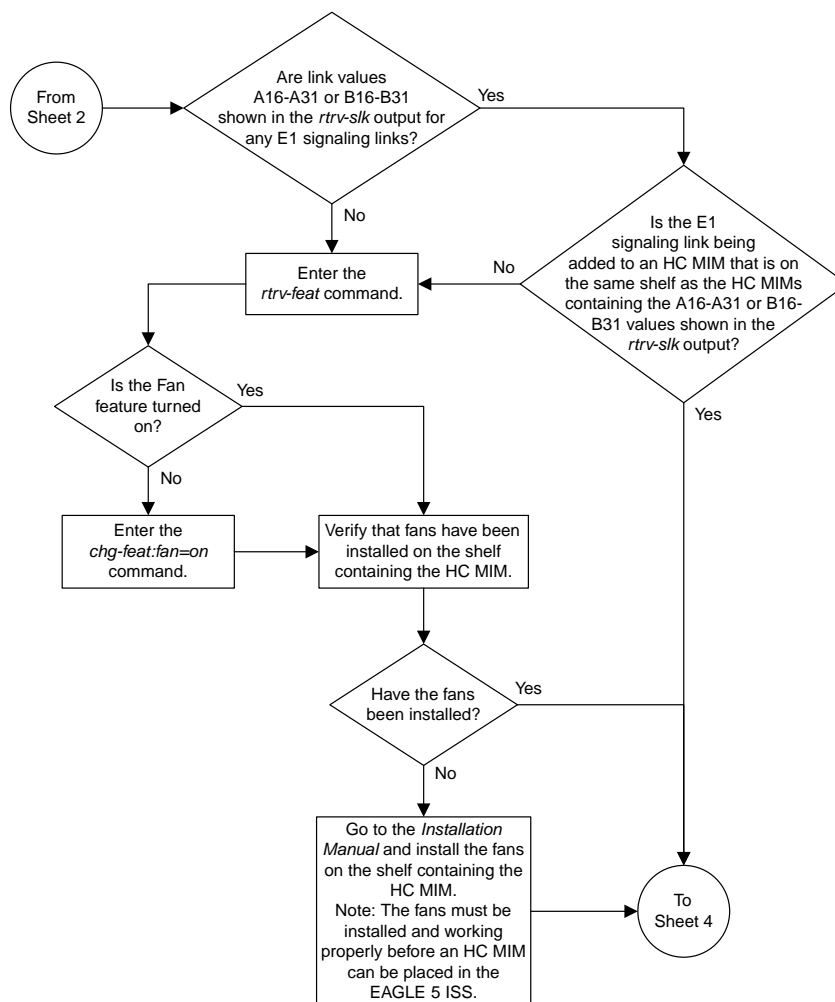
## Adding an E1 Signaling Link



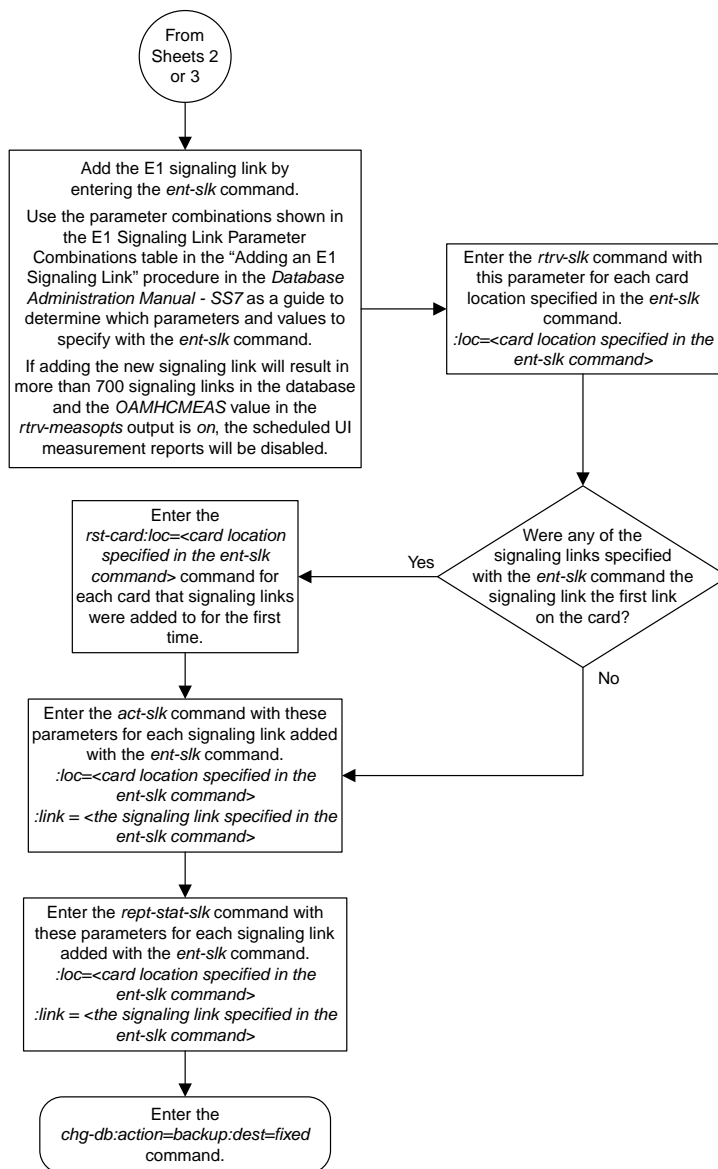
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# Chapter 20

## T1 Interface Flowcharts

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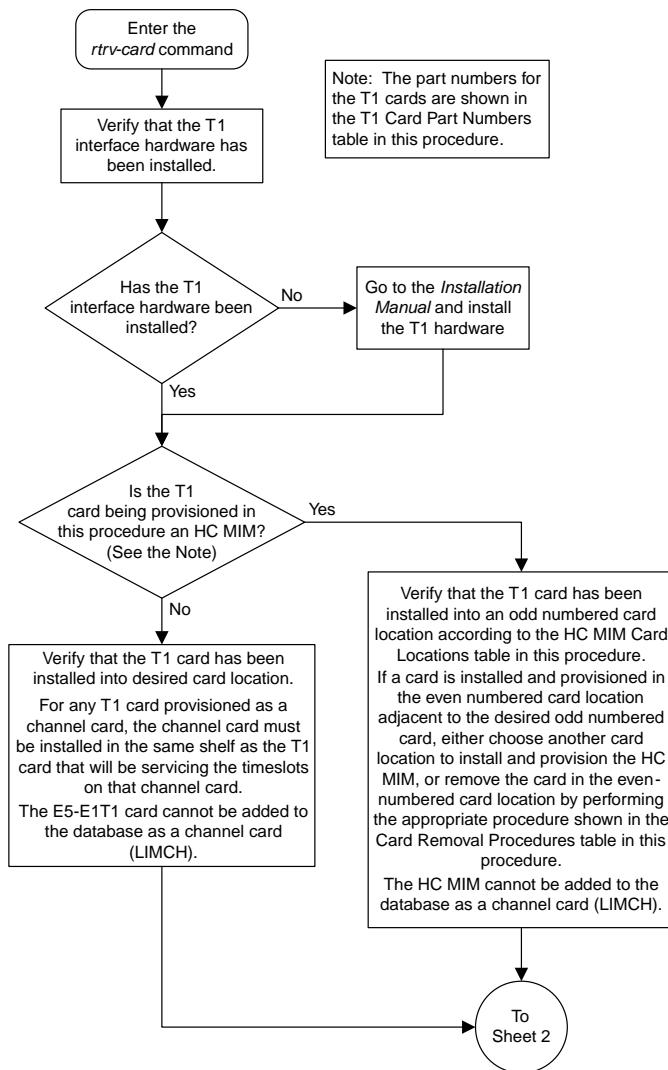
### Topics:

- [Adding a LIM-T1 Card.....1217](#)
- [Removing a LIM-T1 Card.....1220](#)
- [Adding Channelized and non-Channel Bridged T1 Ports.....1221](#)
- [Adding Channel Bridged T1 Ports.....1228](#)
- [Adding Unchannelized T1 Ports.....1234](#)
- [Removing the T1 Interface Parameters.....1243](#)
- [Changing the Attributes of a Channelized T1 Port.....1244](#)
- [Changing the Attributes of an Unchannelized T1 Port.....1248](#)
- [Making a Channel Bridged T1 Port from a Channelized T1 Port.....1250](#)
- [Making a Non-Channel Bridged T1 Port from a Channel Bridged T1 Port.....1256](#)
- [Adding a T1 Signaling Link.....1258](#)

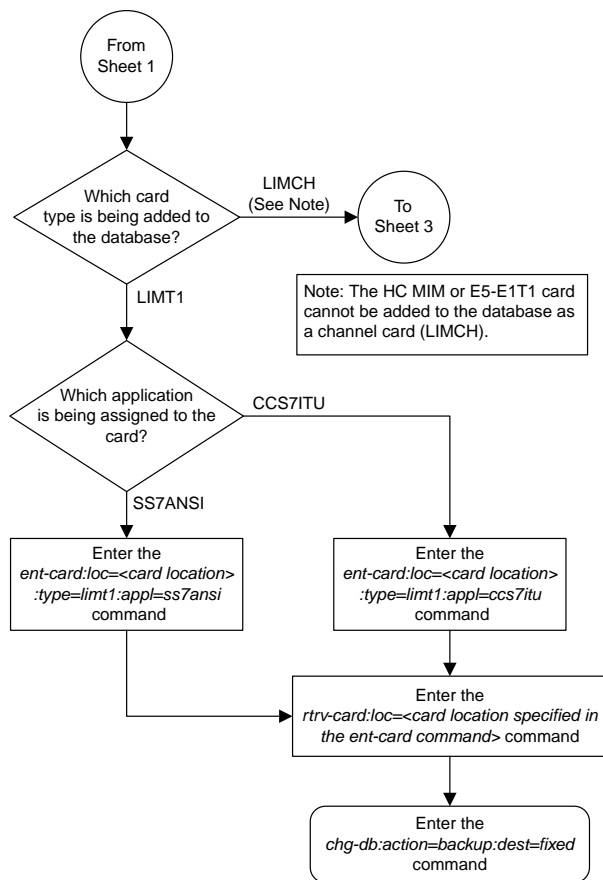
This chapter contains the flowcharts for the procedures used to configure the T1 interface. These procedures are located in the *Database Administration Manual - SS7*.



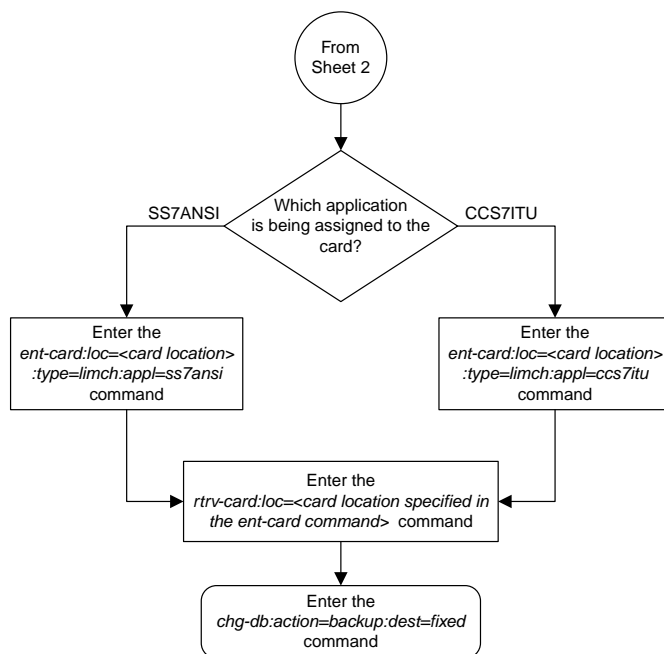
## Adding a LIM-T1 Card



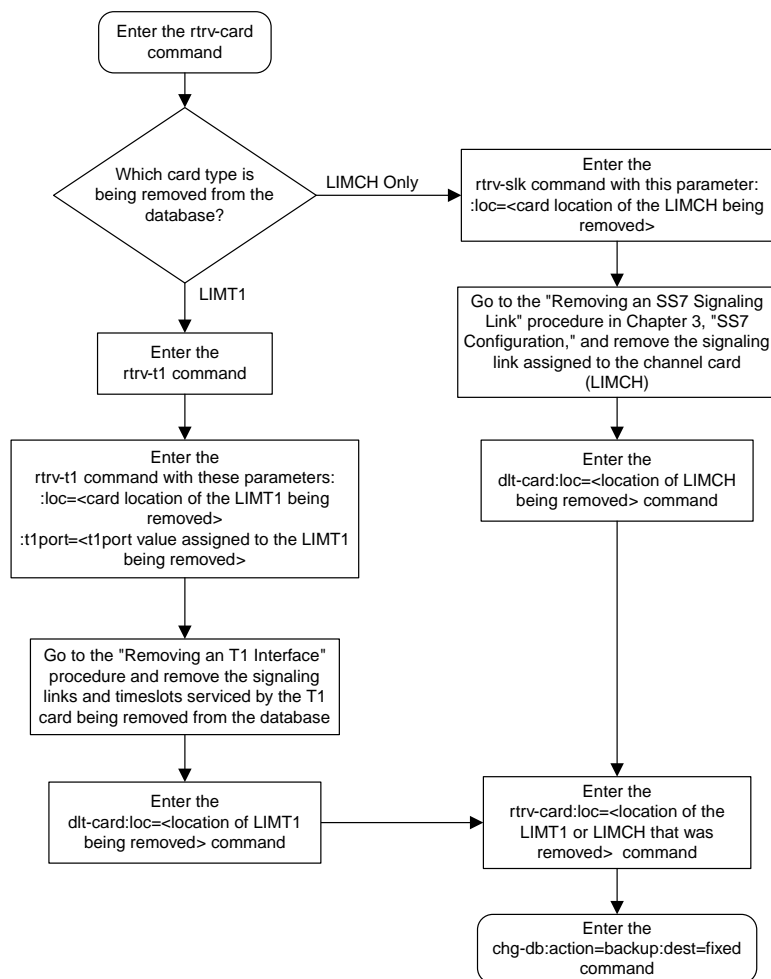
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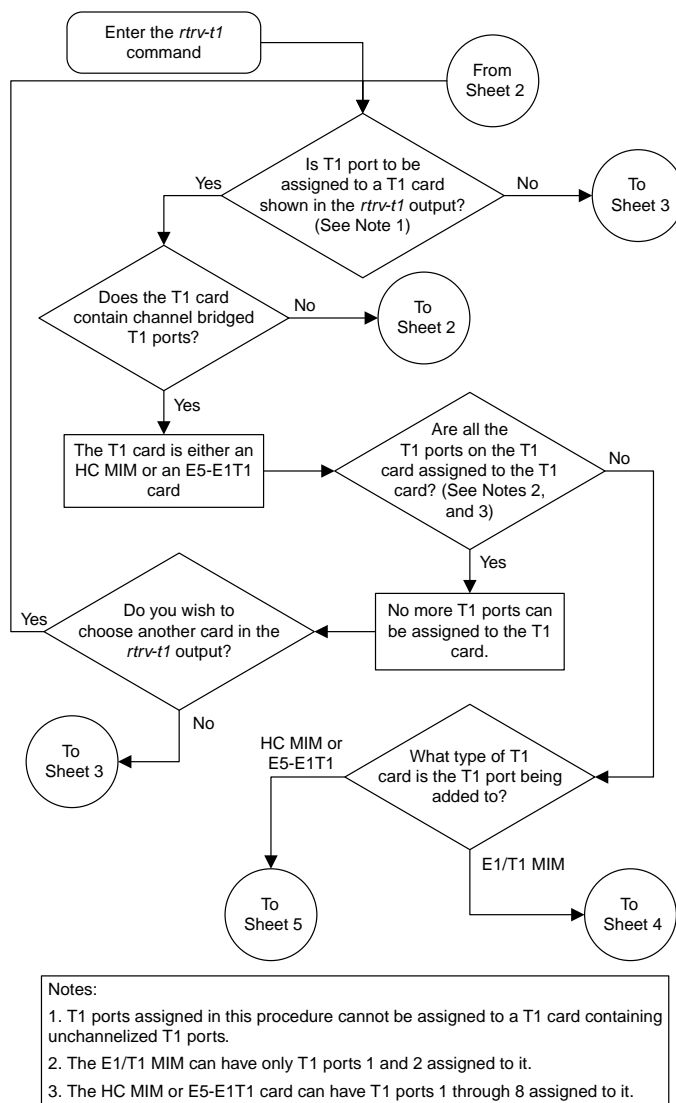
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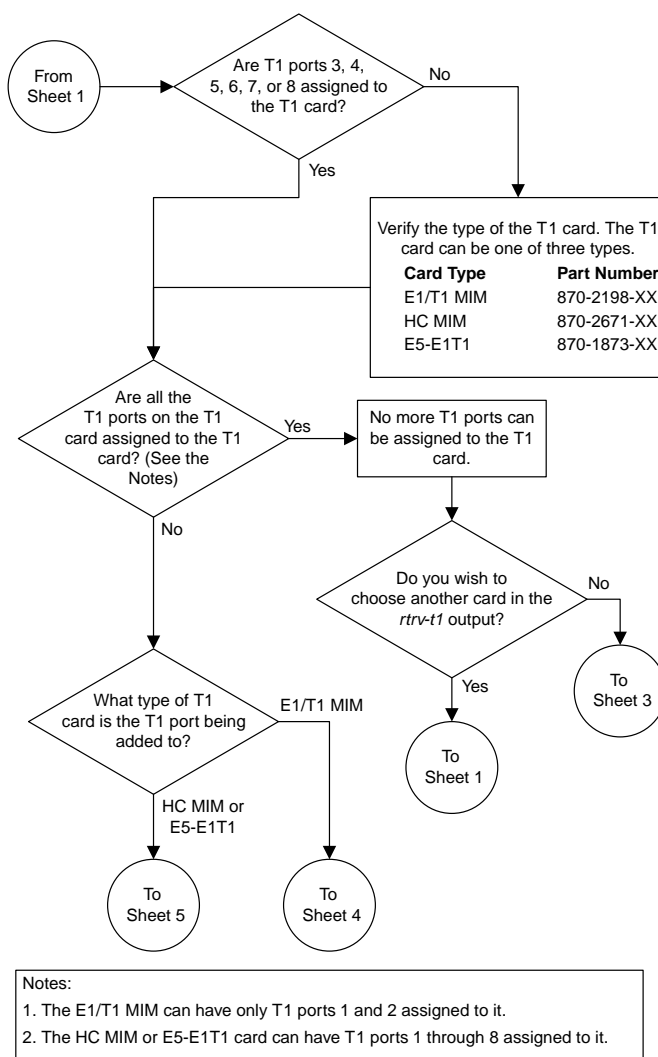


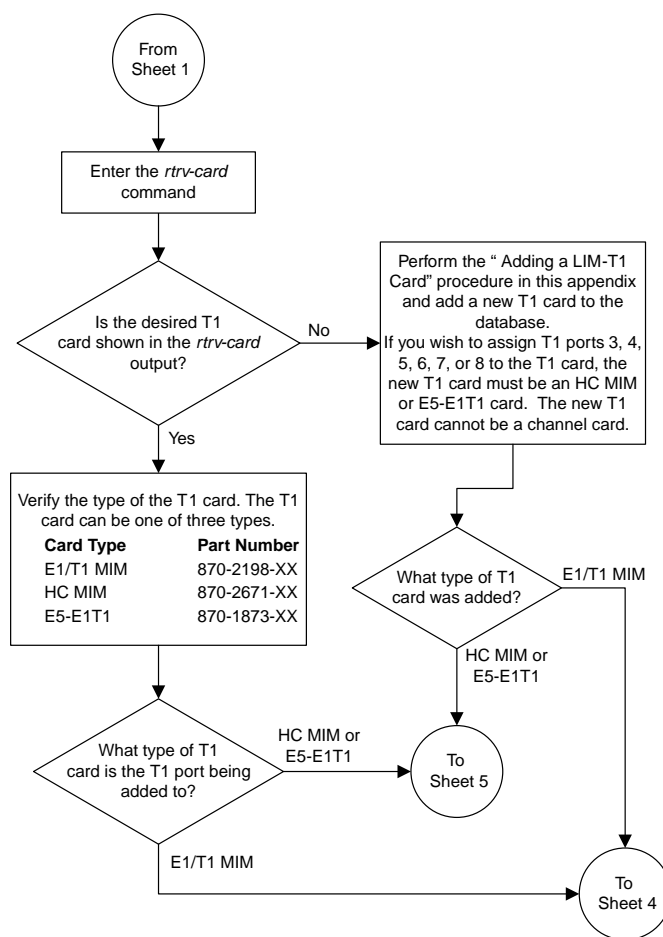
## Removing a LIM-T1 Card

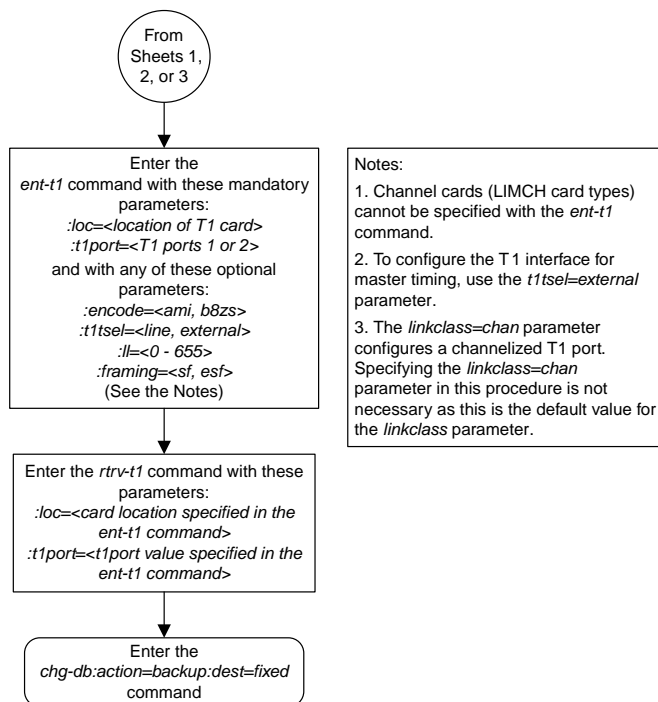


## Adding Channelized and non-Channel Bridged T1 Ports

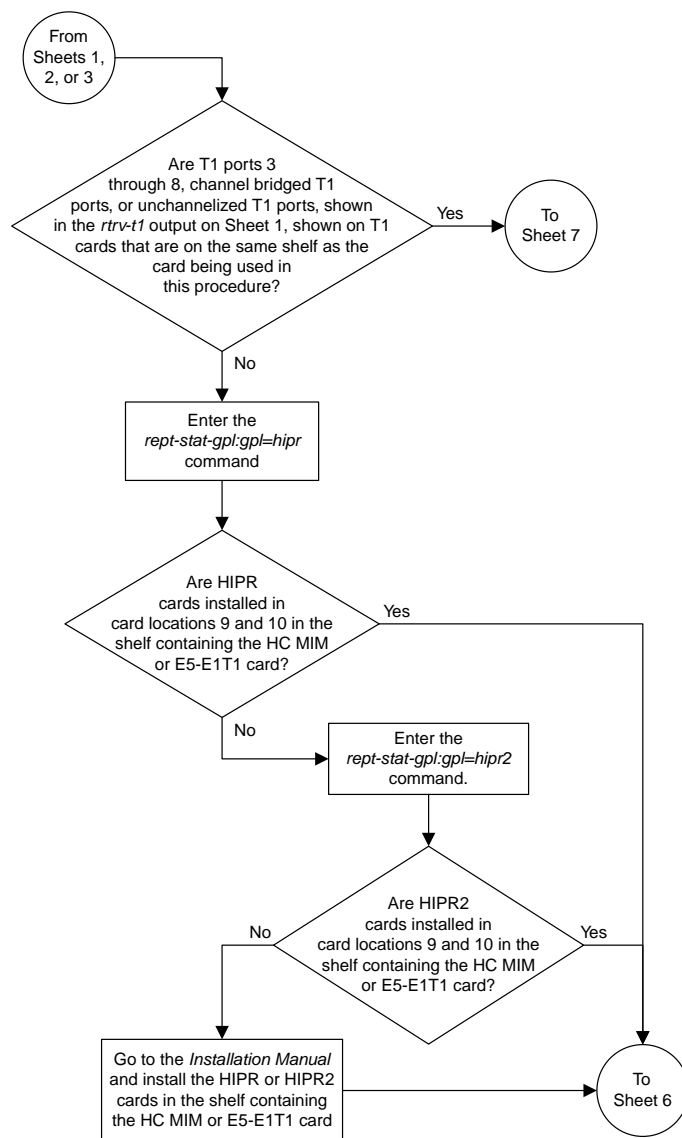




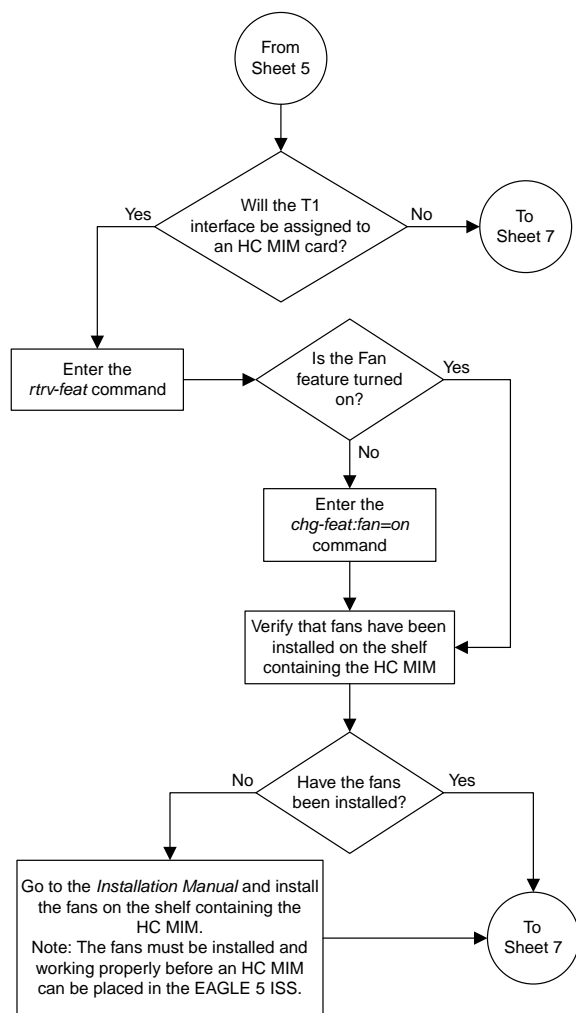




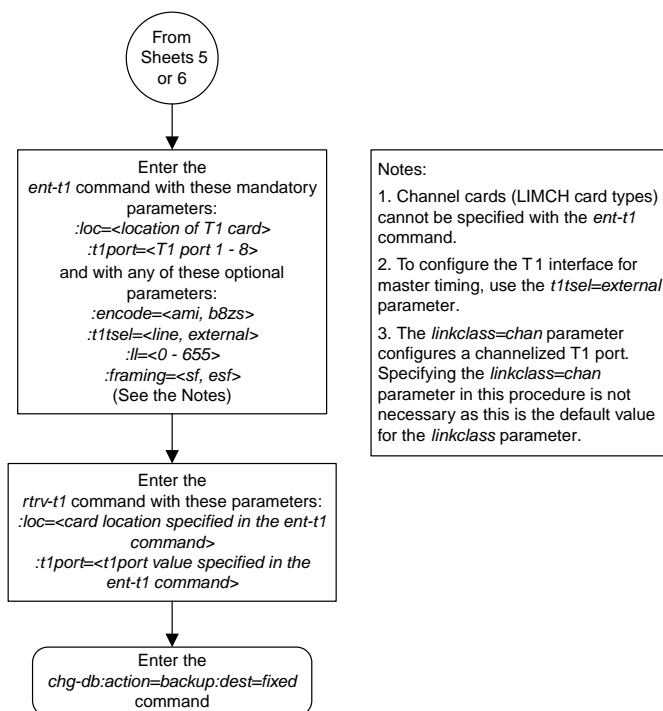




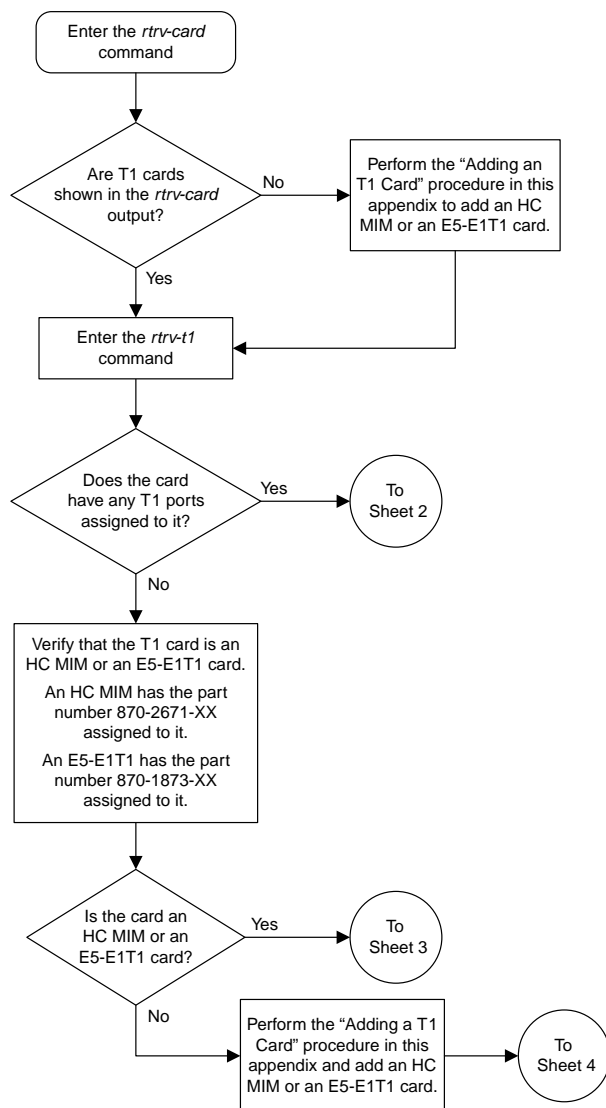
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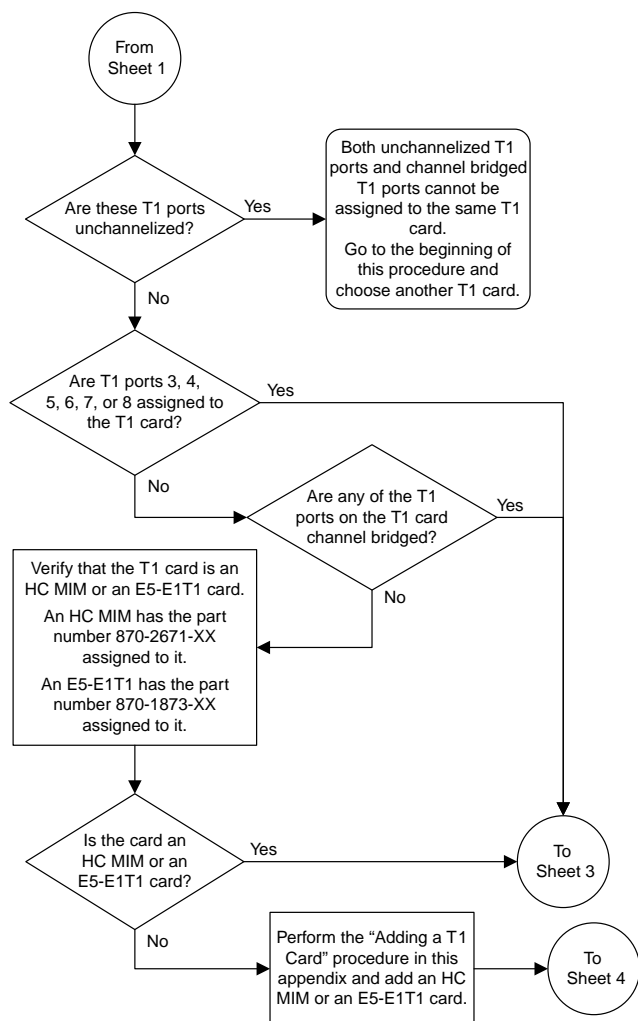
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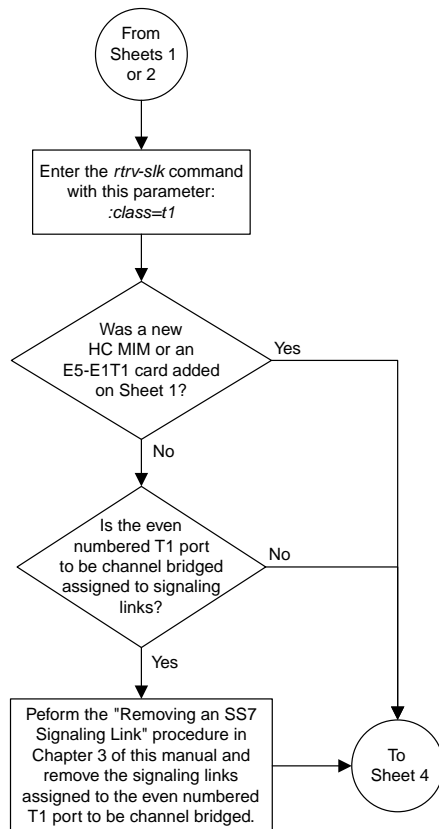
## Adding Channel Bridged T1 Ports



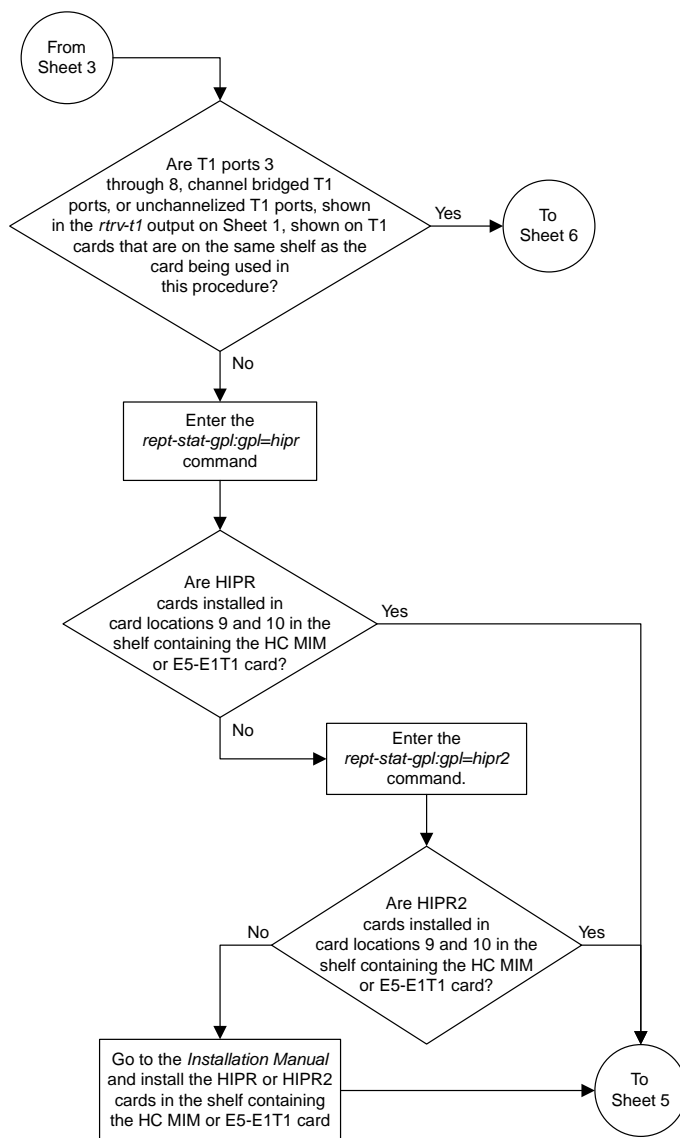
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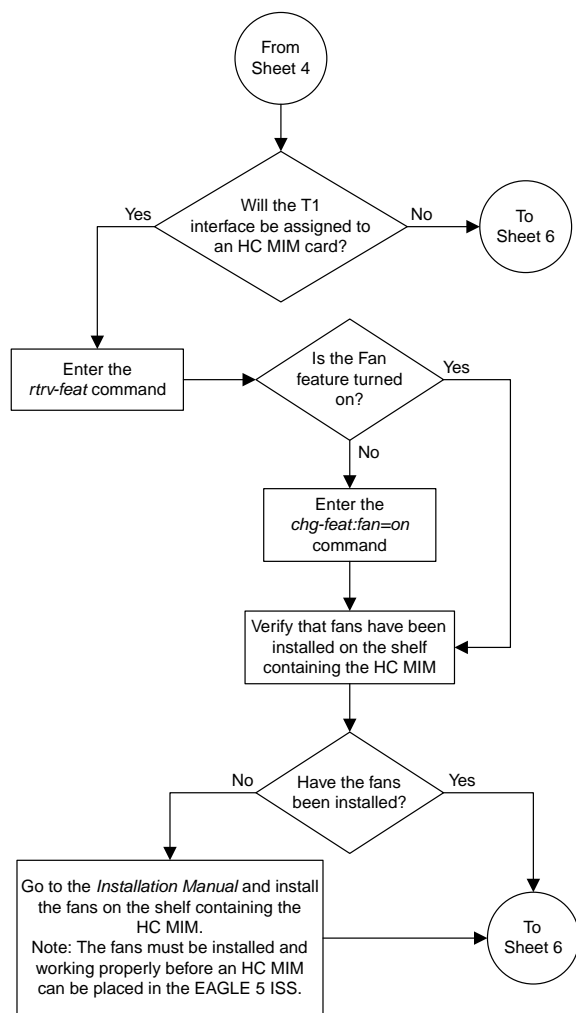
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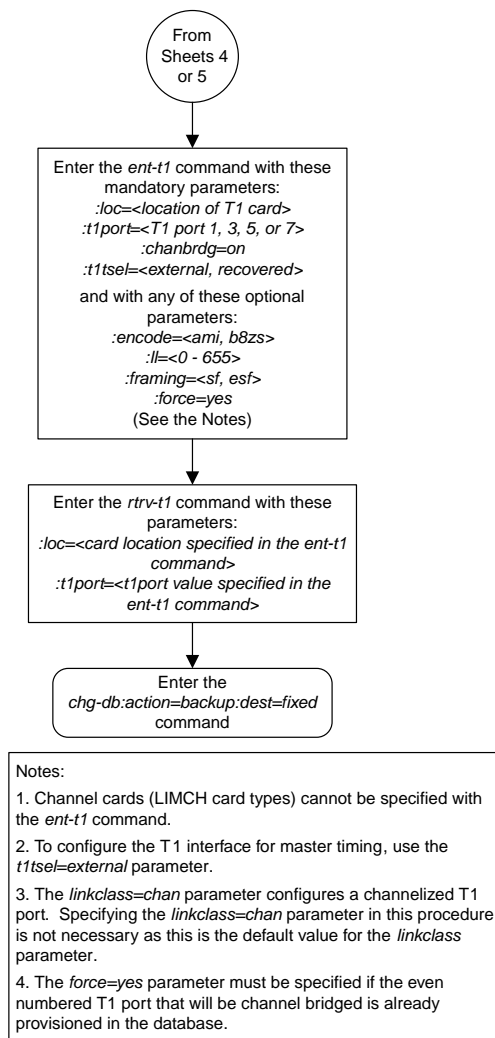


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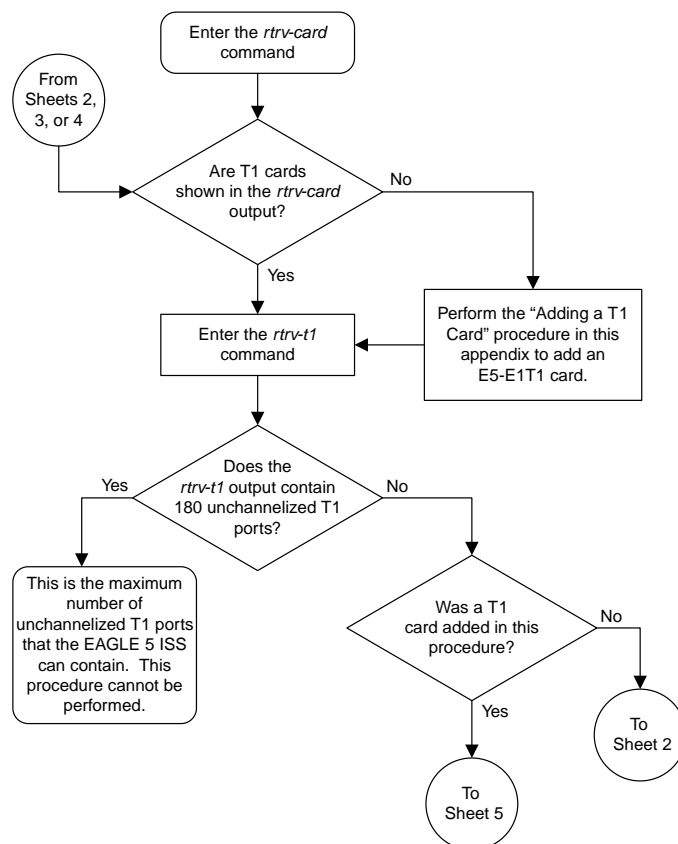


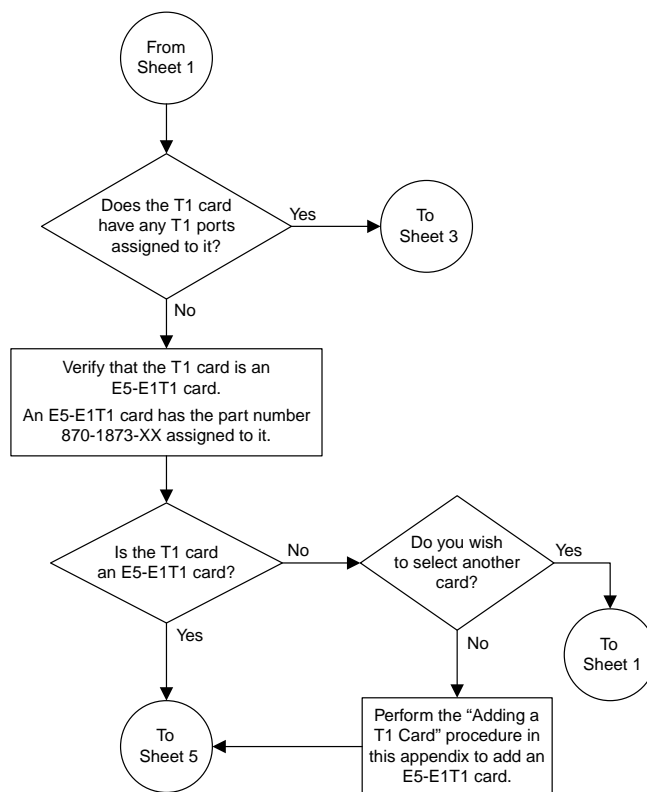
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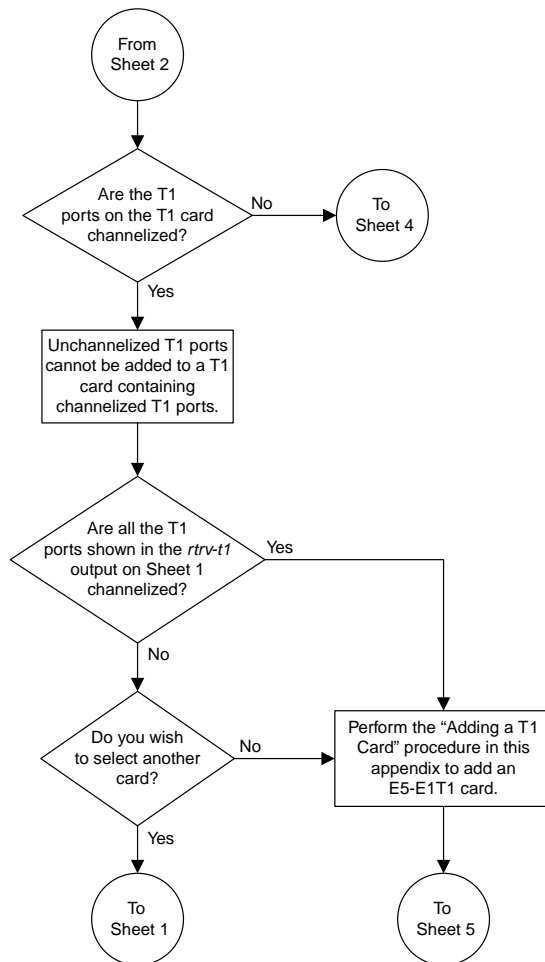




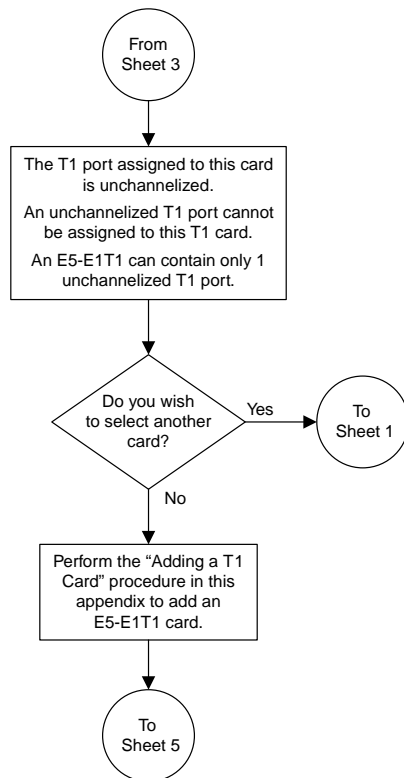
## Adding Unchannelized T1 Ports

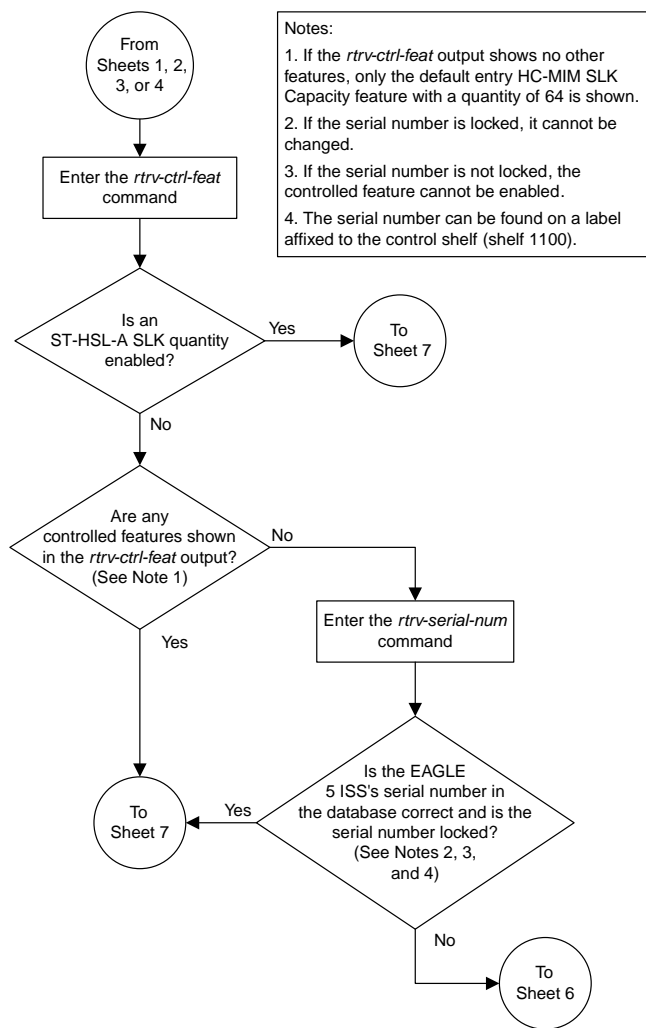




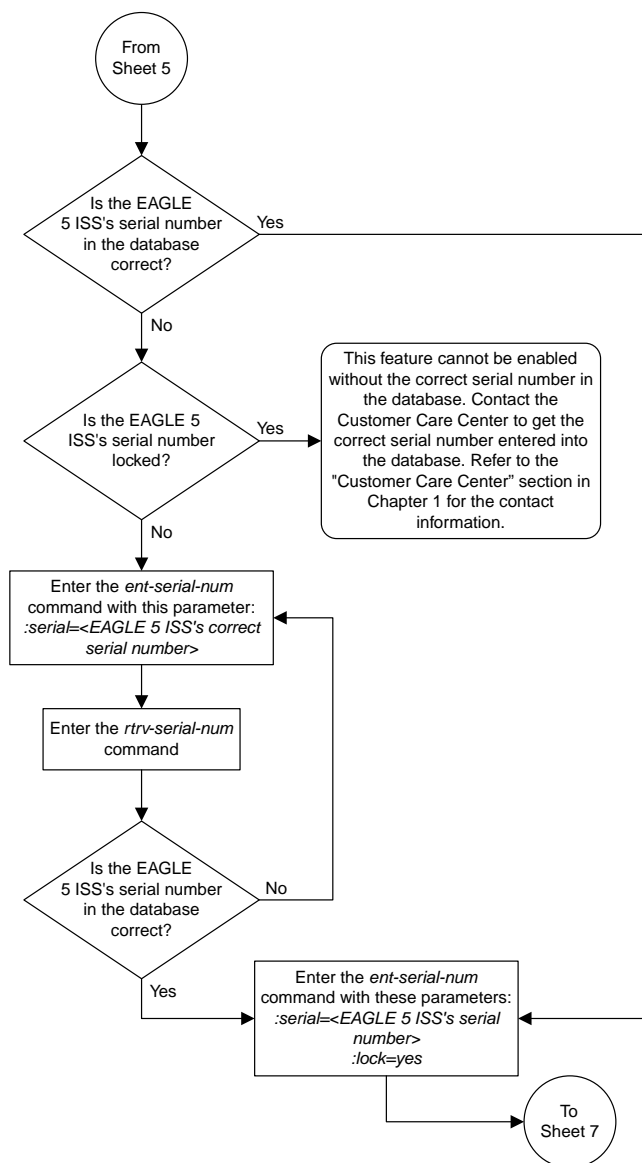


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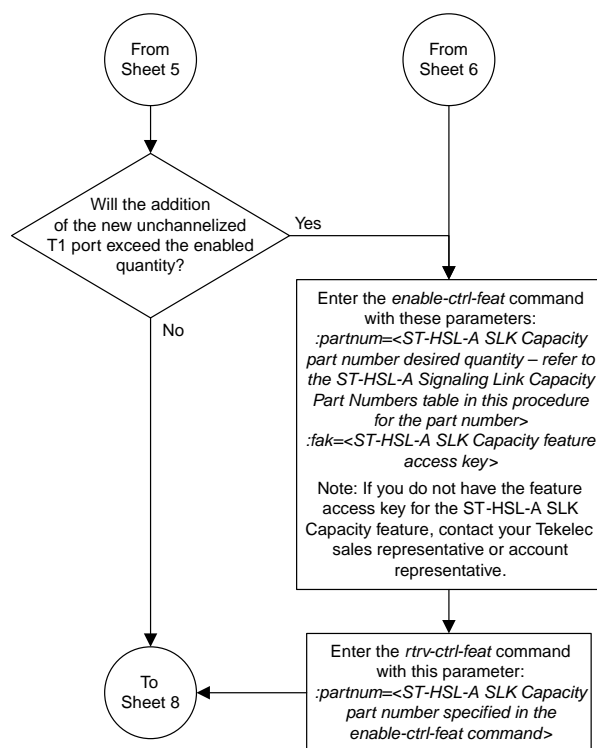




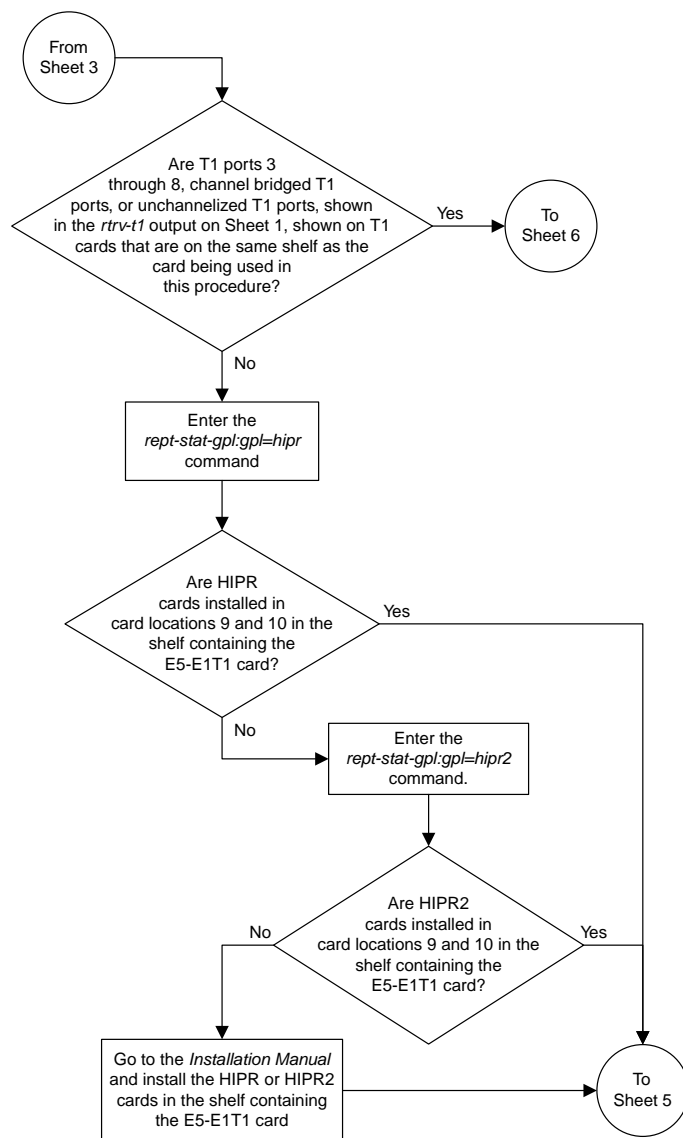
Sheet 5 of 9



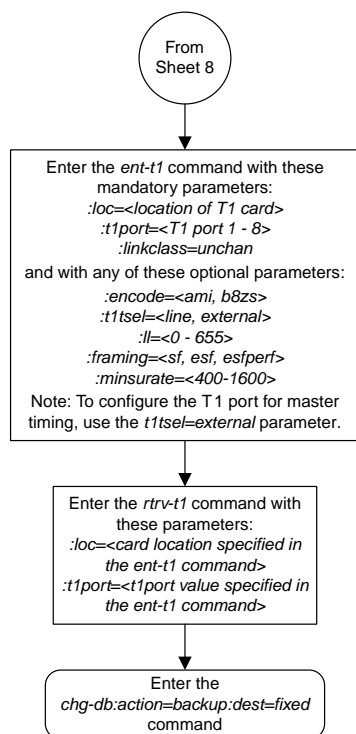
Sheet 6 of 9



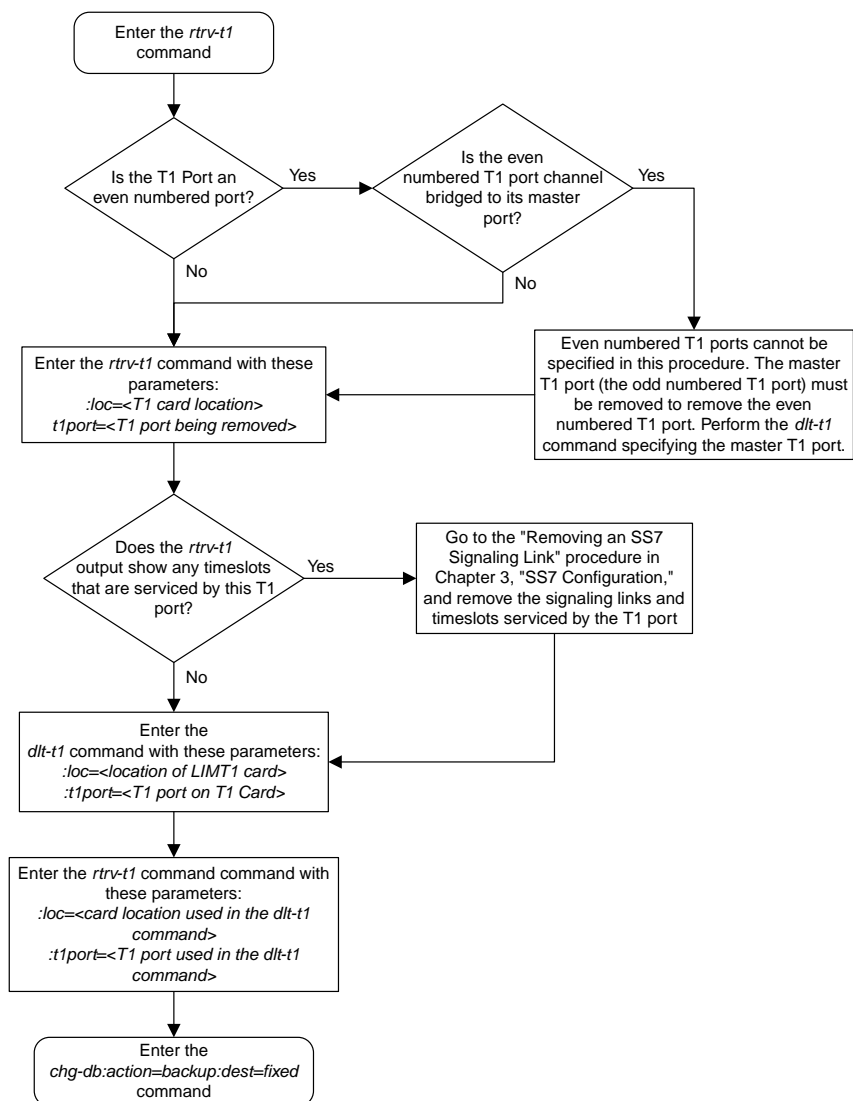




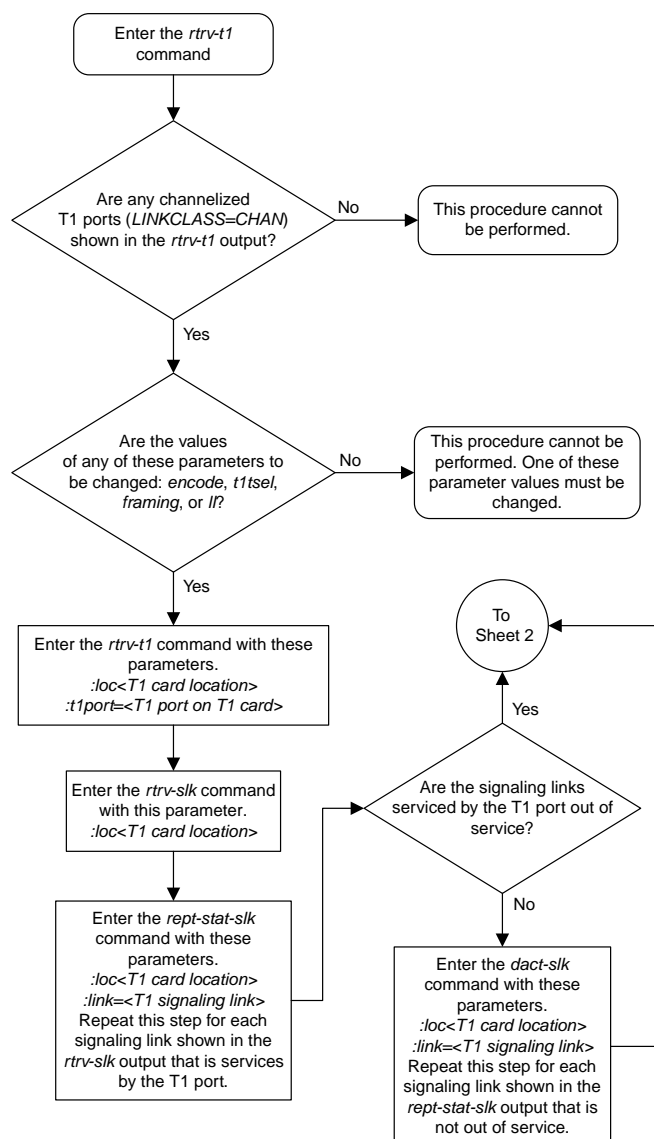
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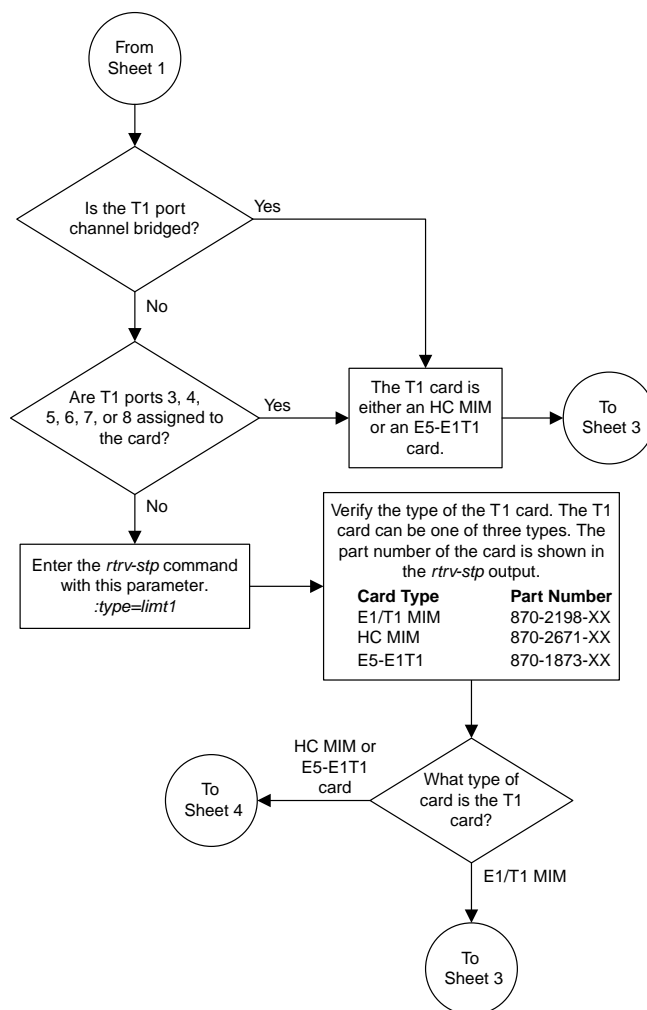
## Removing the T1 Interface Parameters



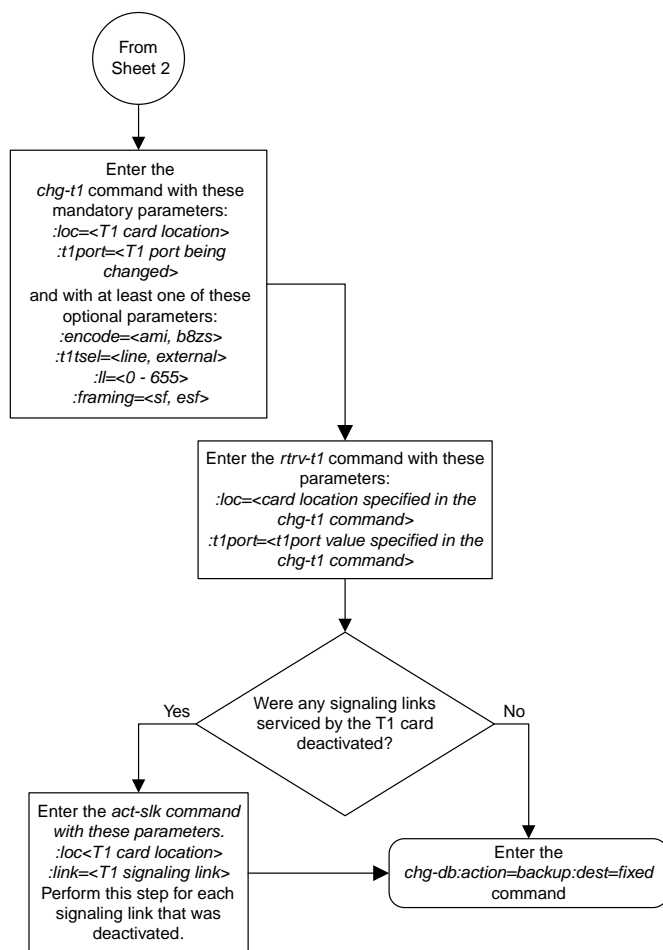
## Changing the Attributes of a Channelized T1 Port



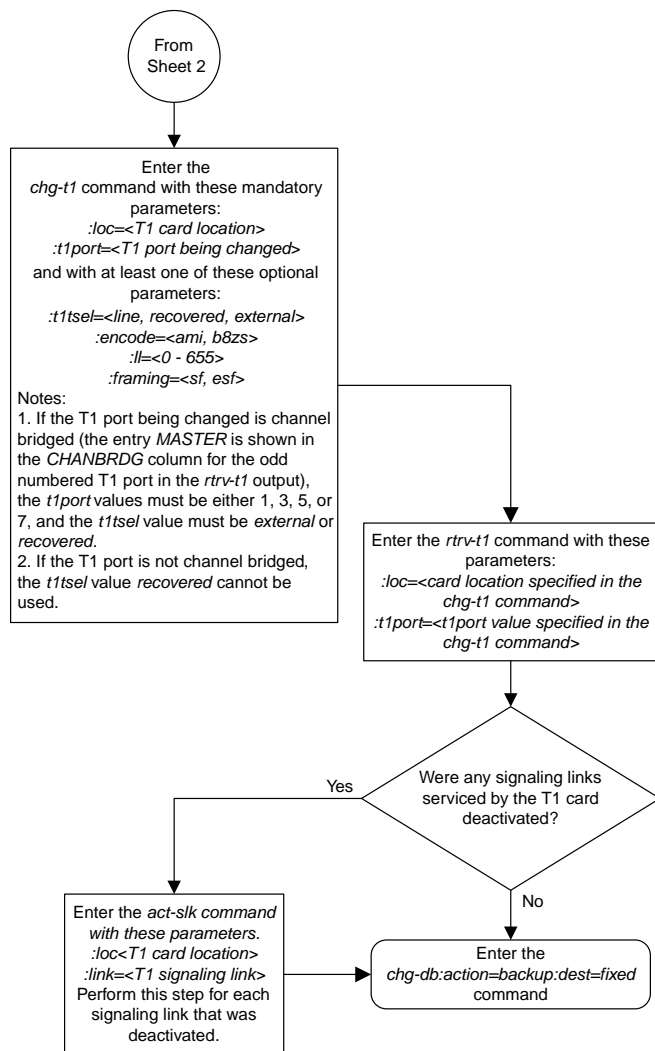
Sheet 1 of 4



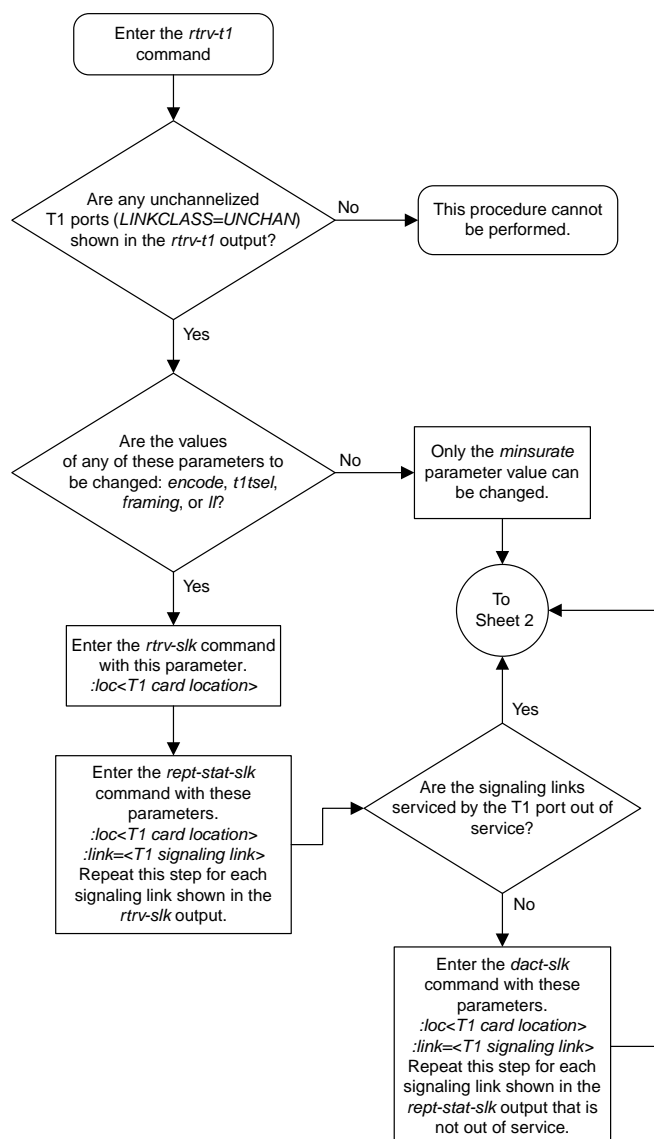
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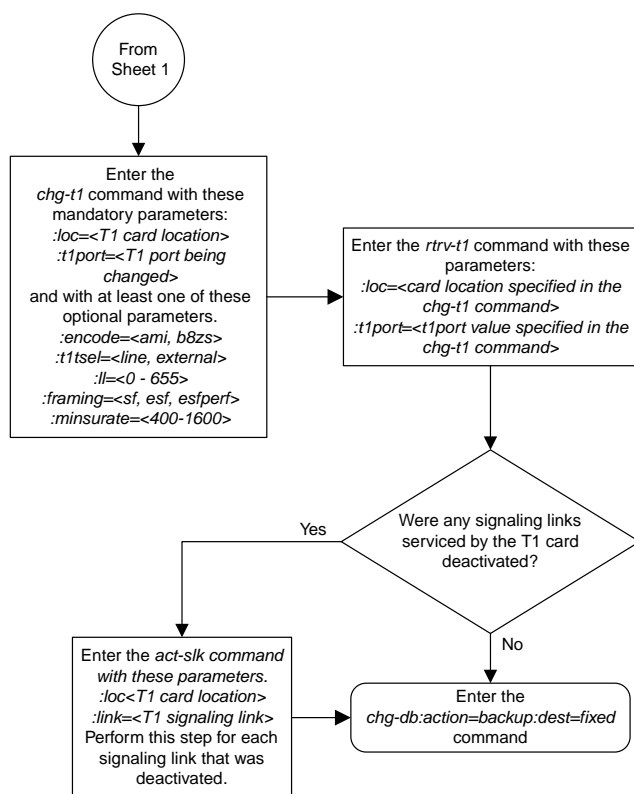


## Changing the Attributes of an Unchannelized T1 Port



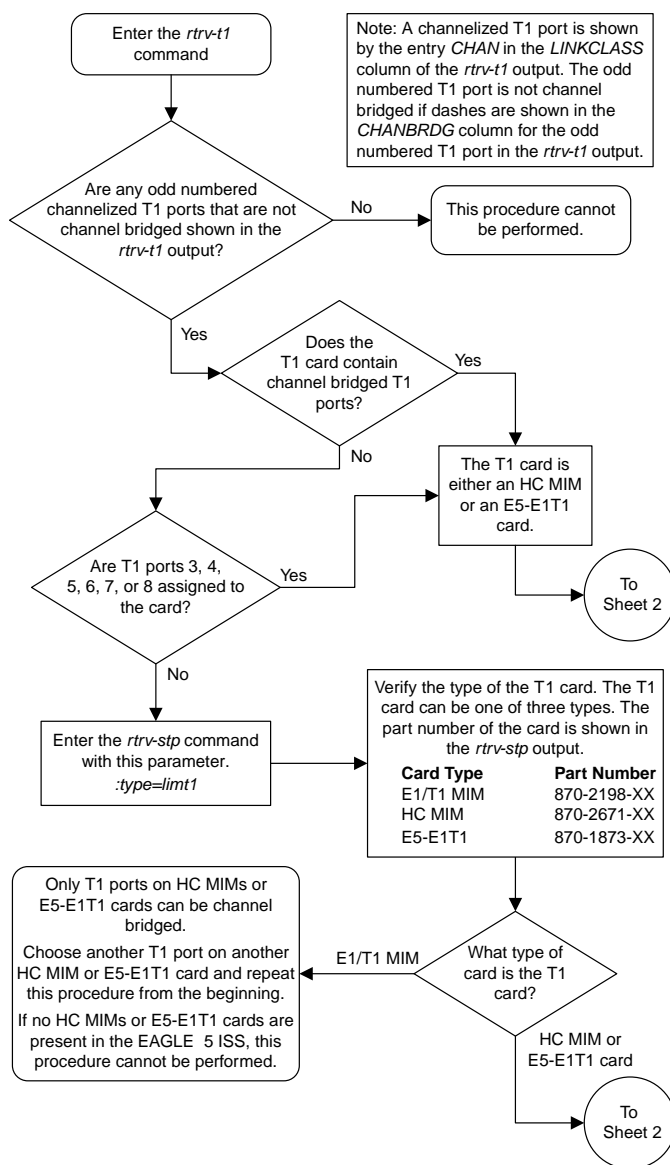
Sheet 1 of 2

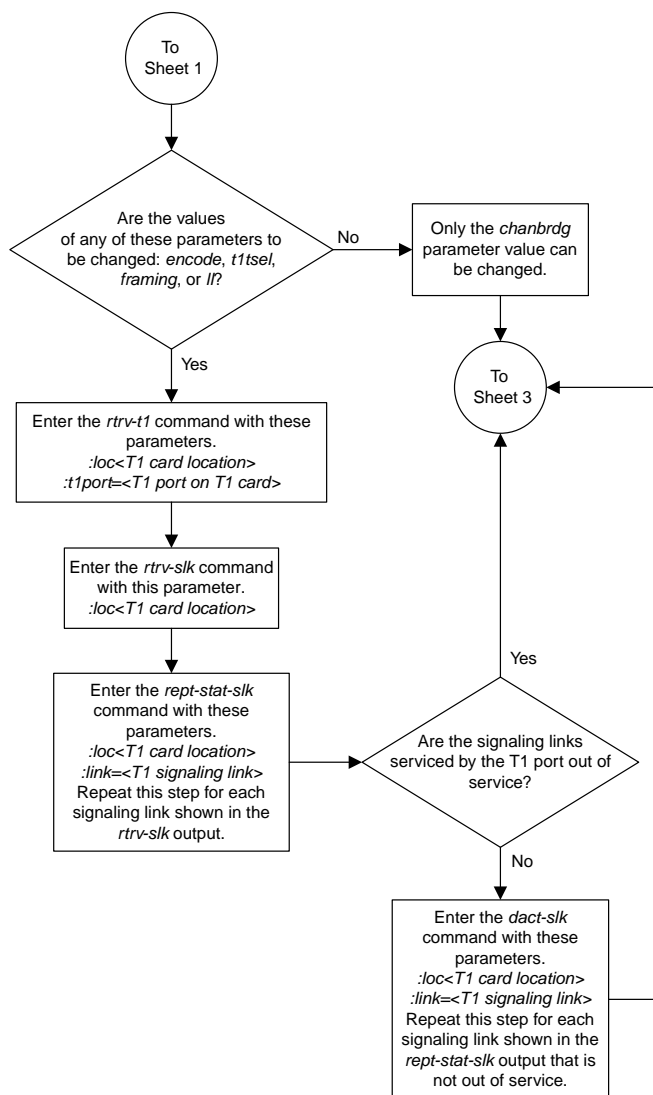




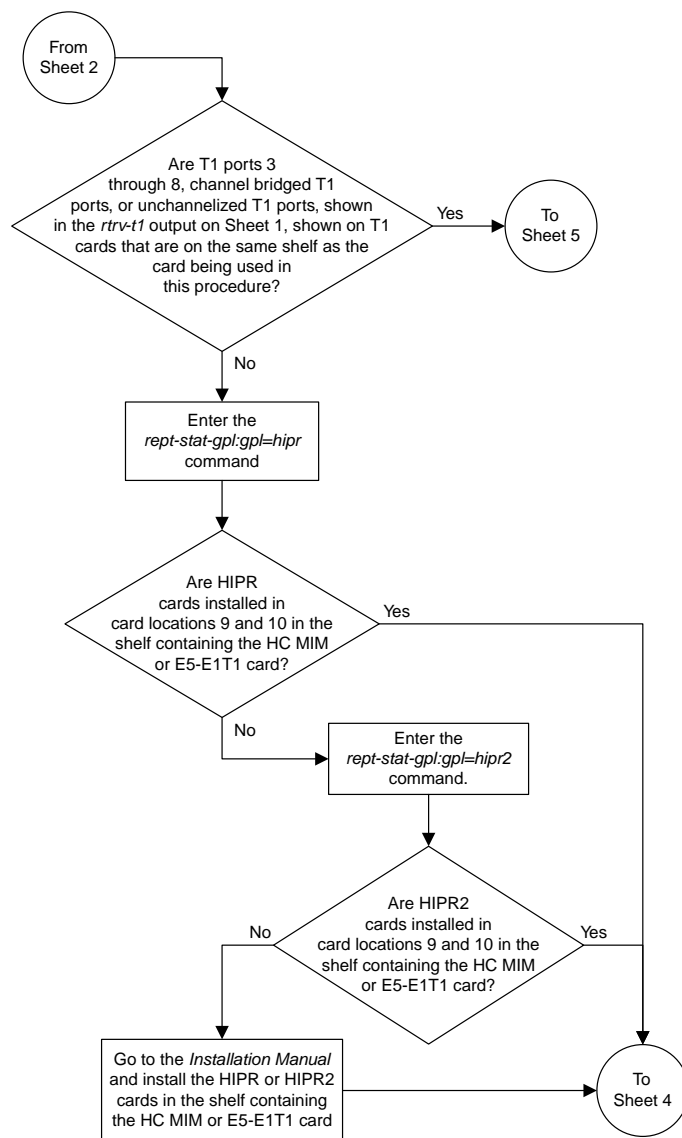
Sheet 2 of 2

## Making a Channel Bridged T1 Port from a Channelized T1 Port

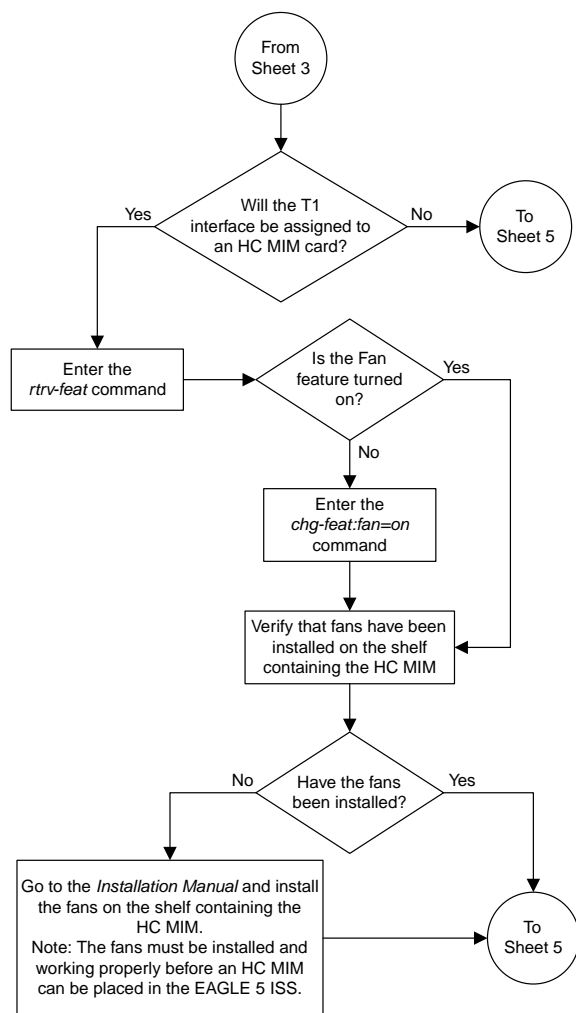




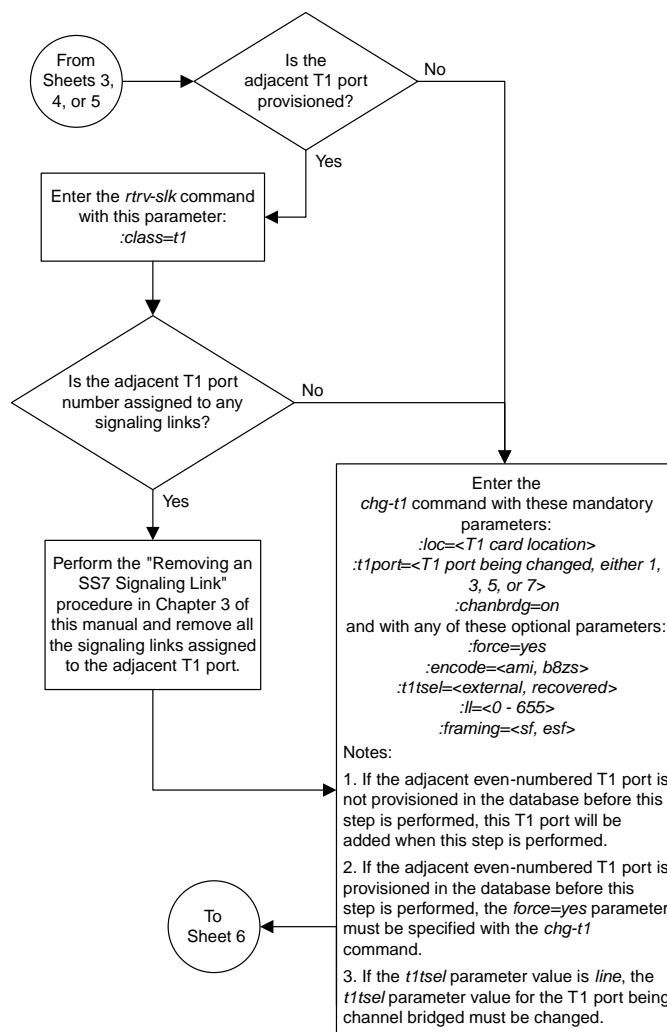
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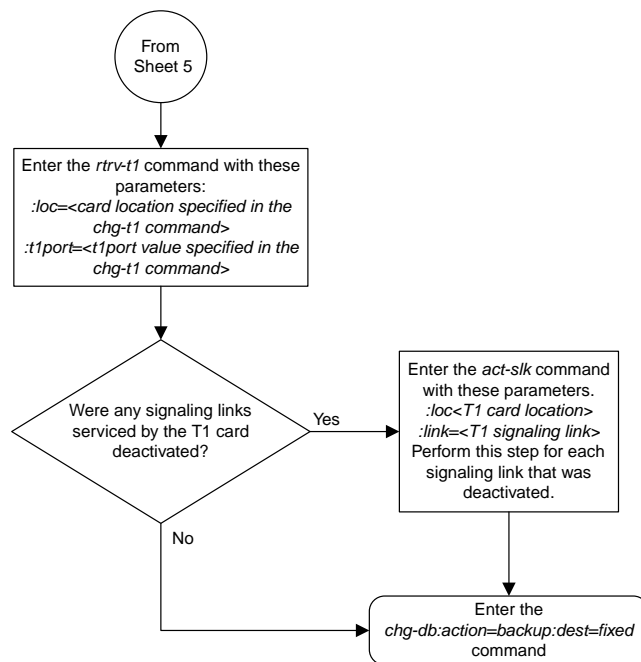


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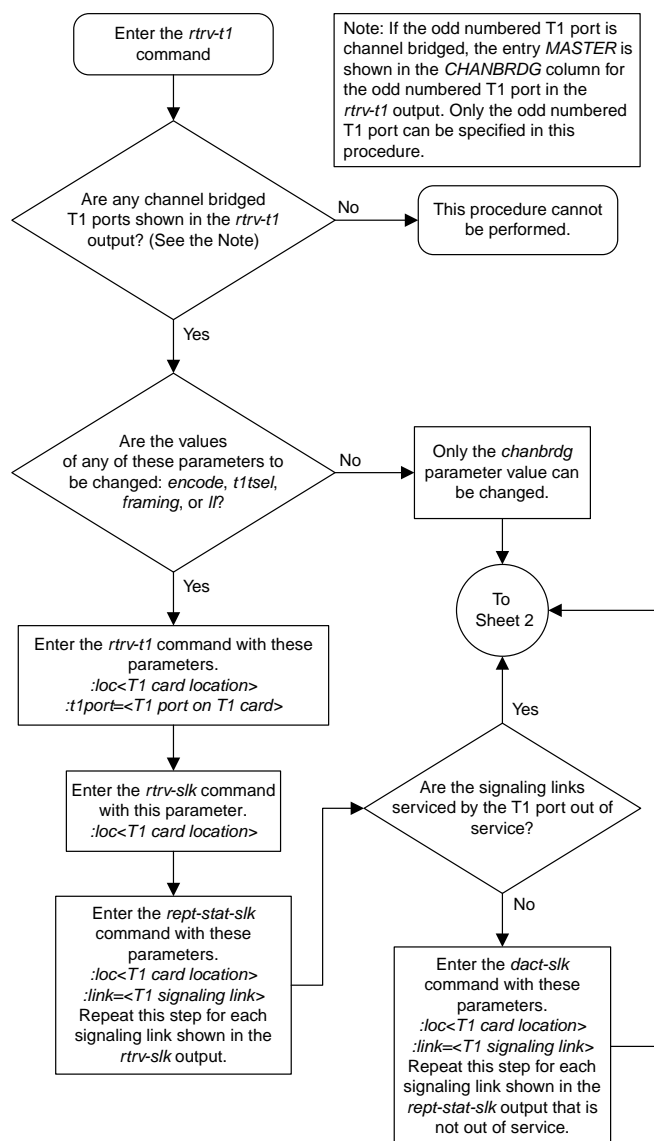


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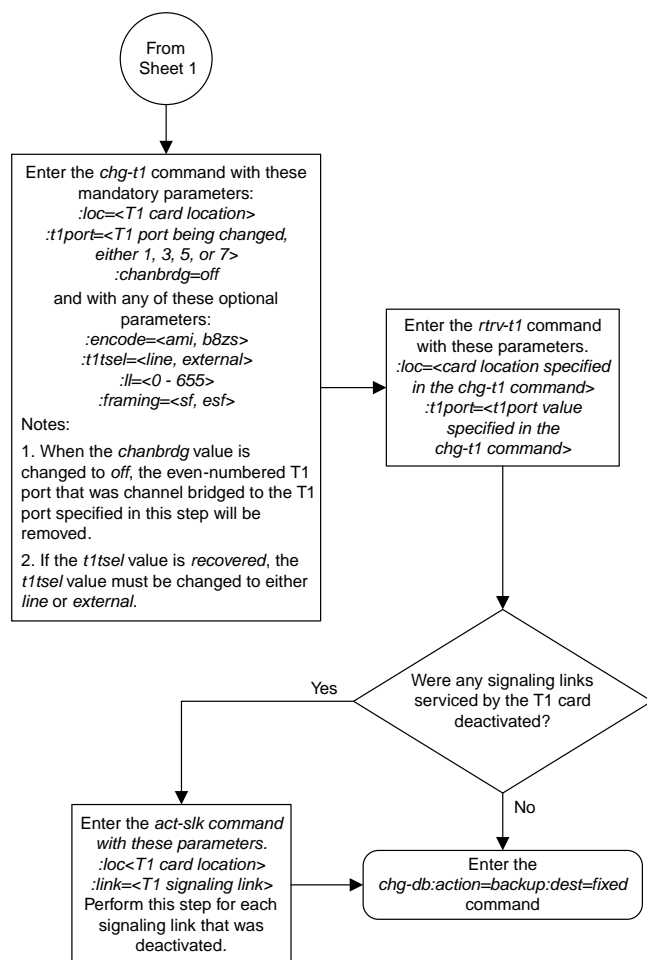


## Making a Non-Channel Bridged T1 Port from a Channel Bridged T1 Port



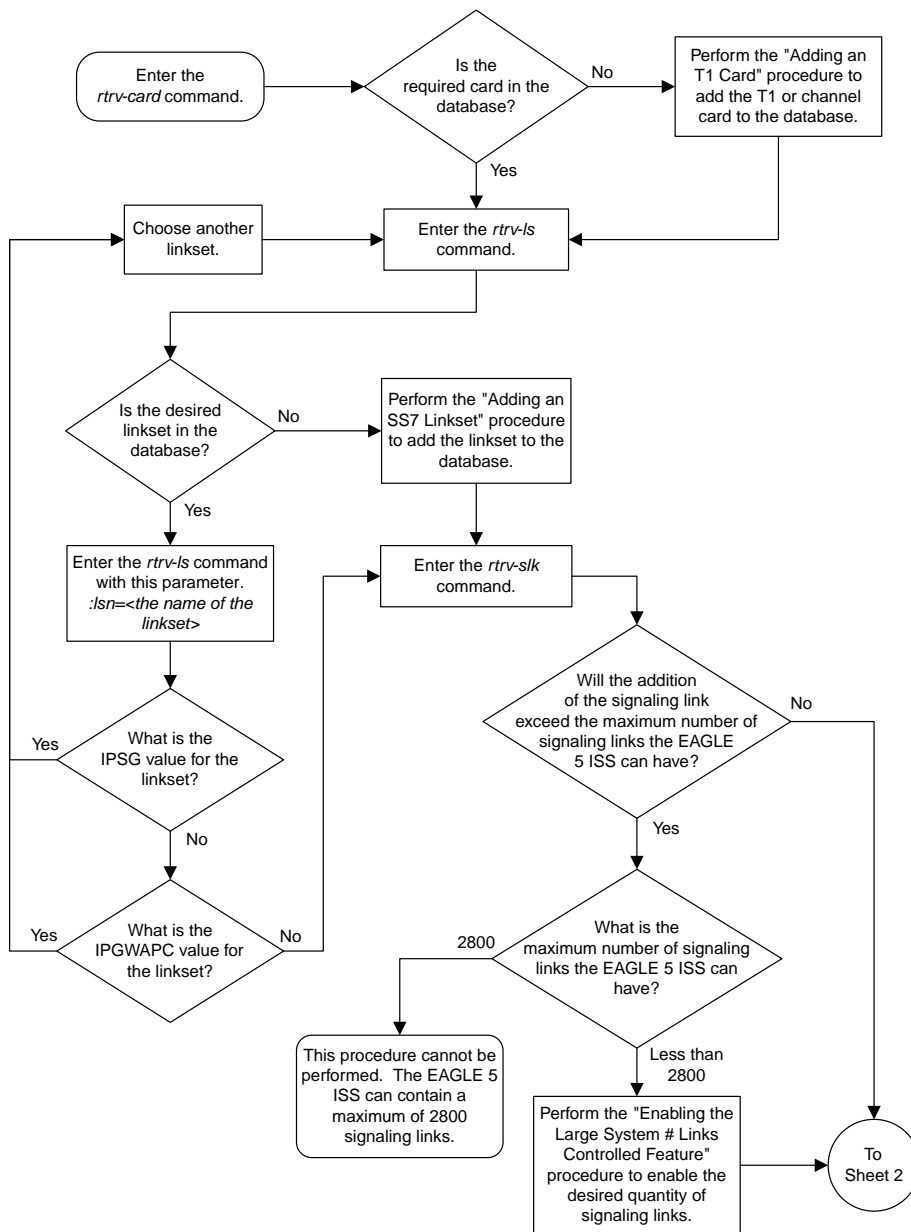
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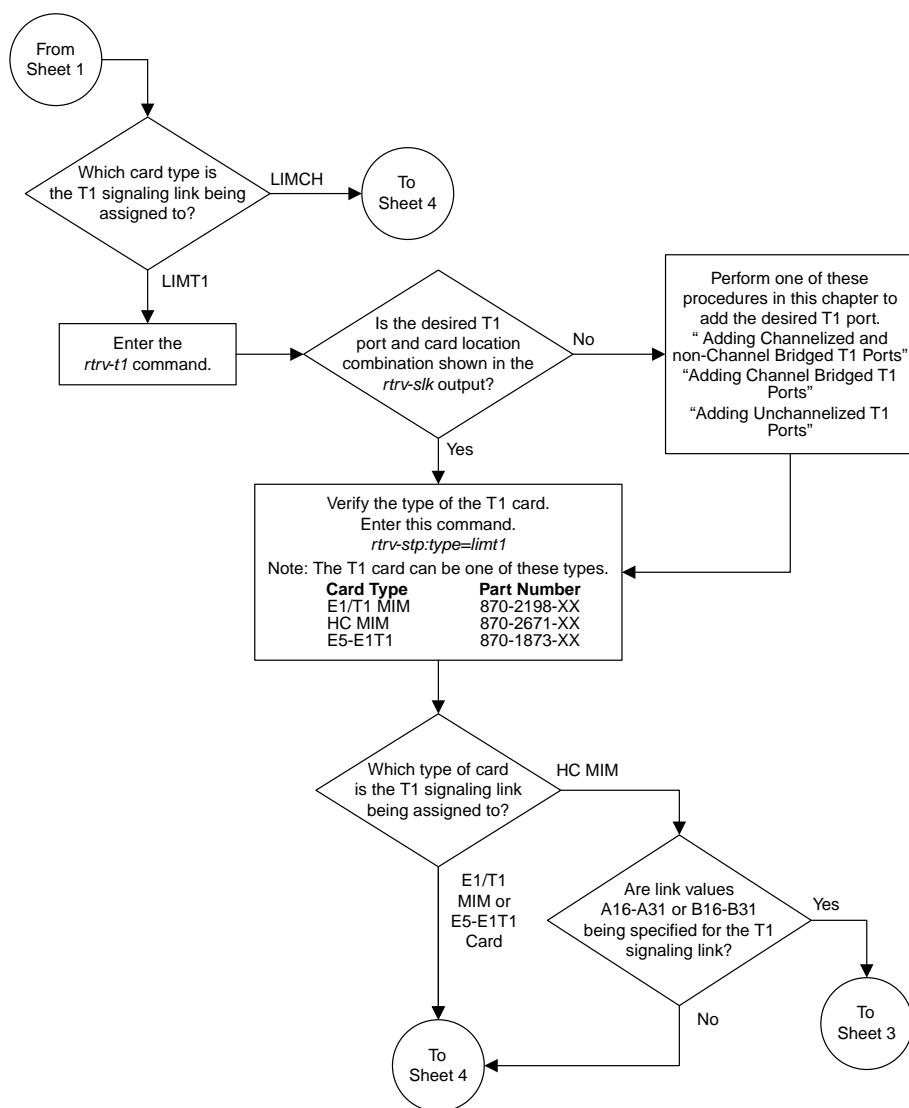




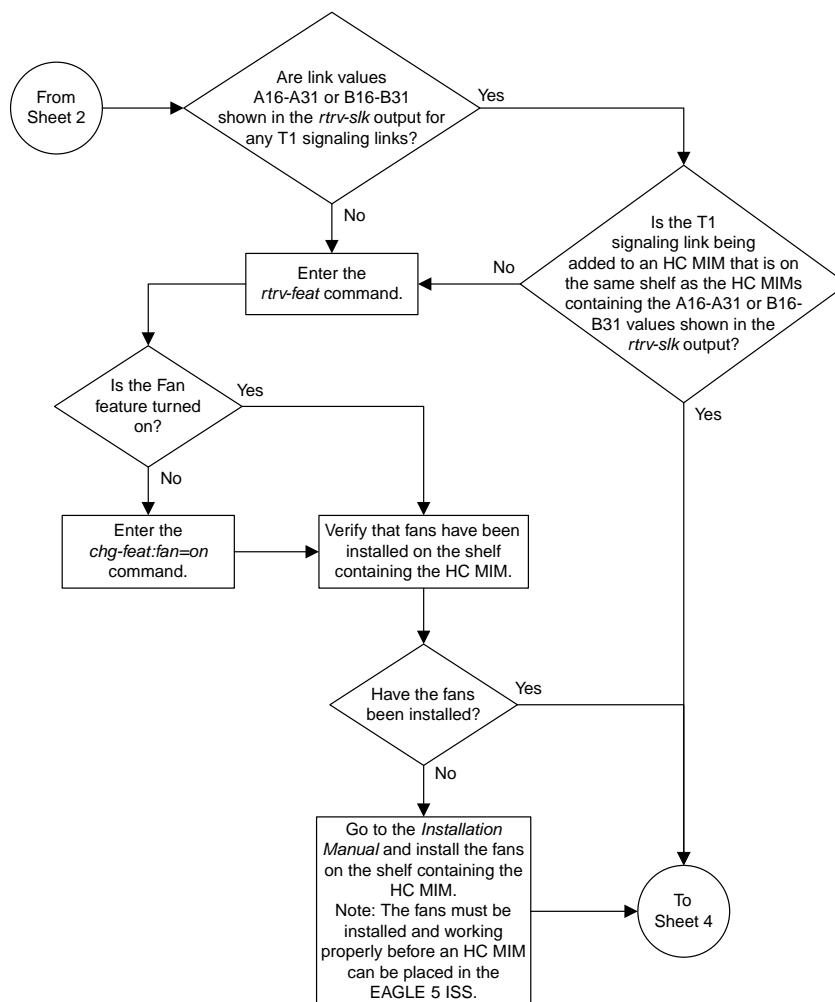
Sheet 2 of 2

## Adding a T1 Signaling Link

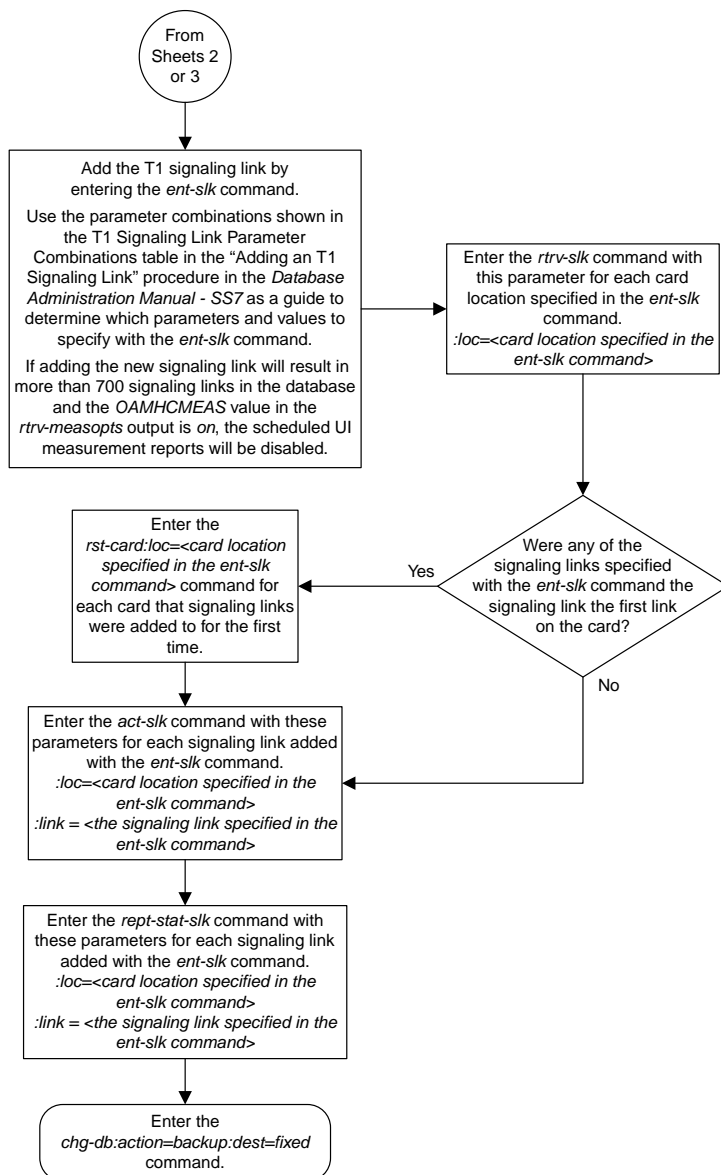




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# Chapter 21

## ATM Signaling Link Configuration Flowcharts

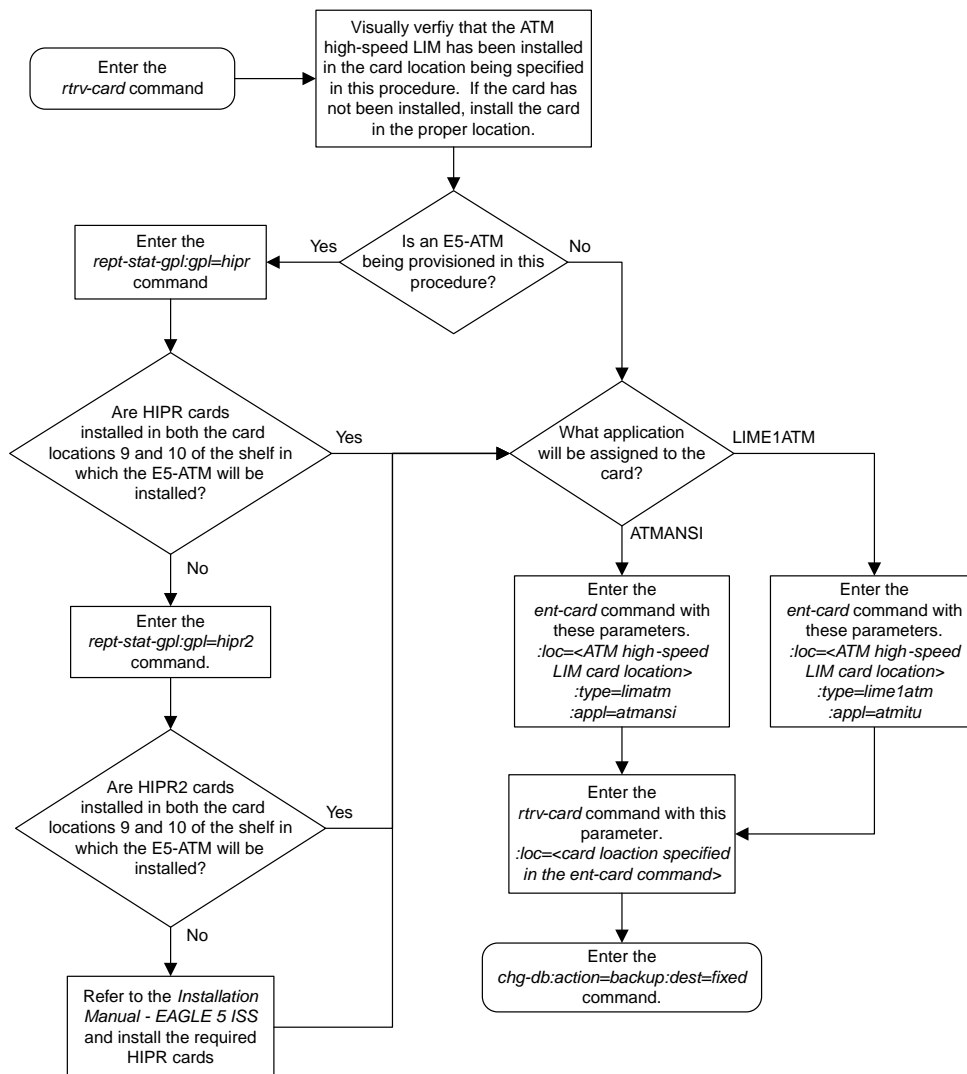
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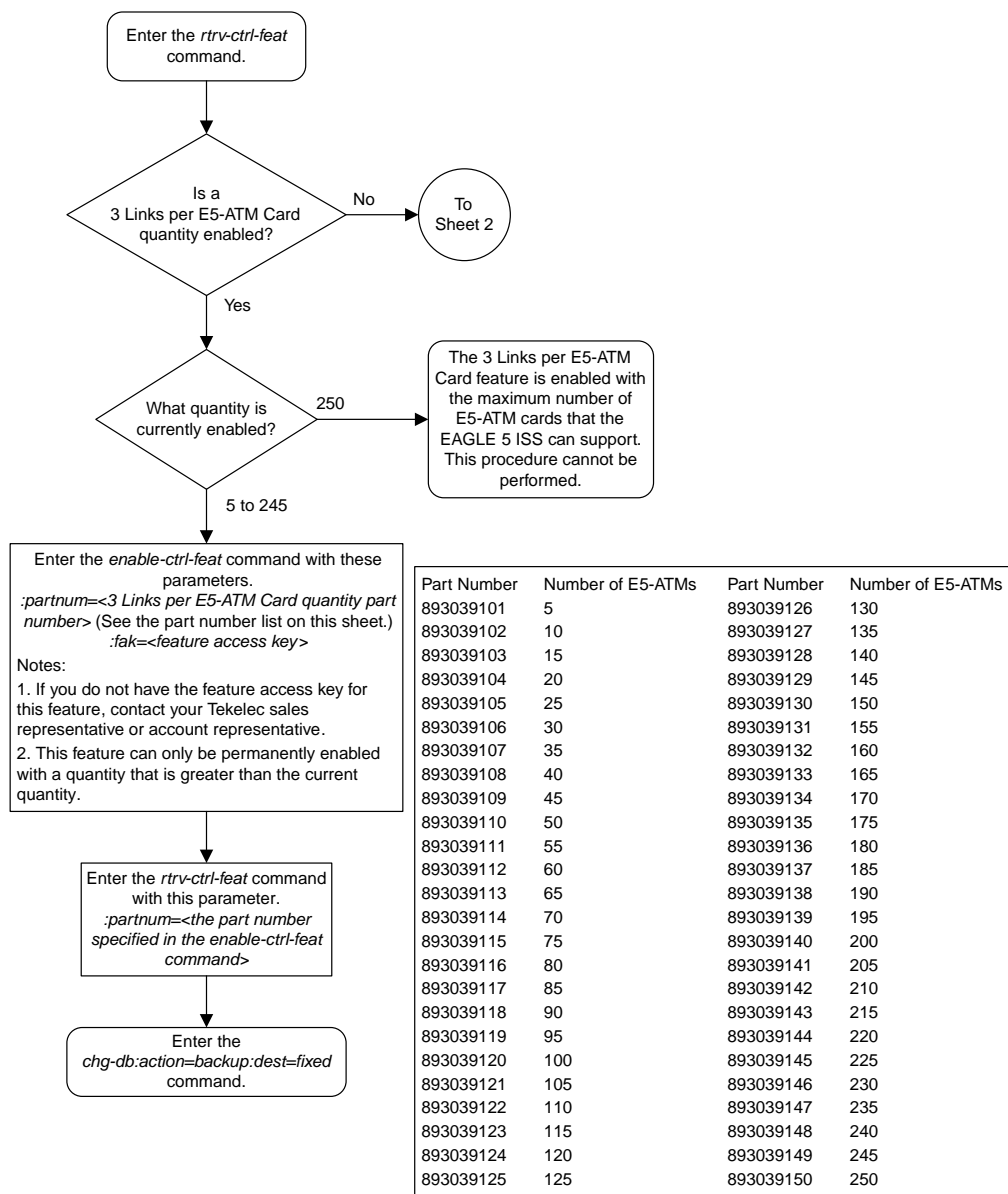
- [\*Adding an ATM High-Speed LIM.....1263\*](#)
- [\*Changing the 3 Links per E5-ATM Card Quantity.....1264\*](#)
- [\*Adding an ATM High-Speed Signaling Link.1267\*](#)
- [\*Changing an ATM High-Speed Signaling Link Parameter Set.....1277\*](#)

This chapter contains the flowcharts for the procedures used to configure ATM high-speed signaling links. These procedures are located in the *Database Administration Manual - SS7*.

## Adding an ATM High-Speed LIM

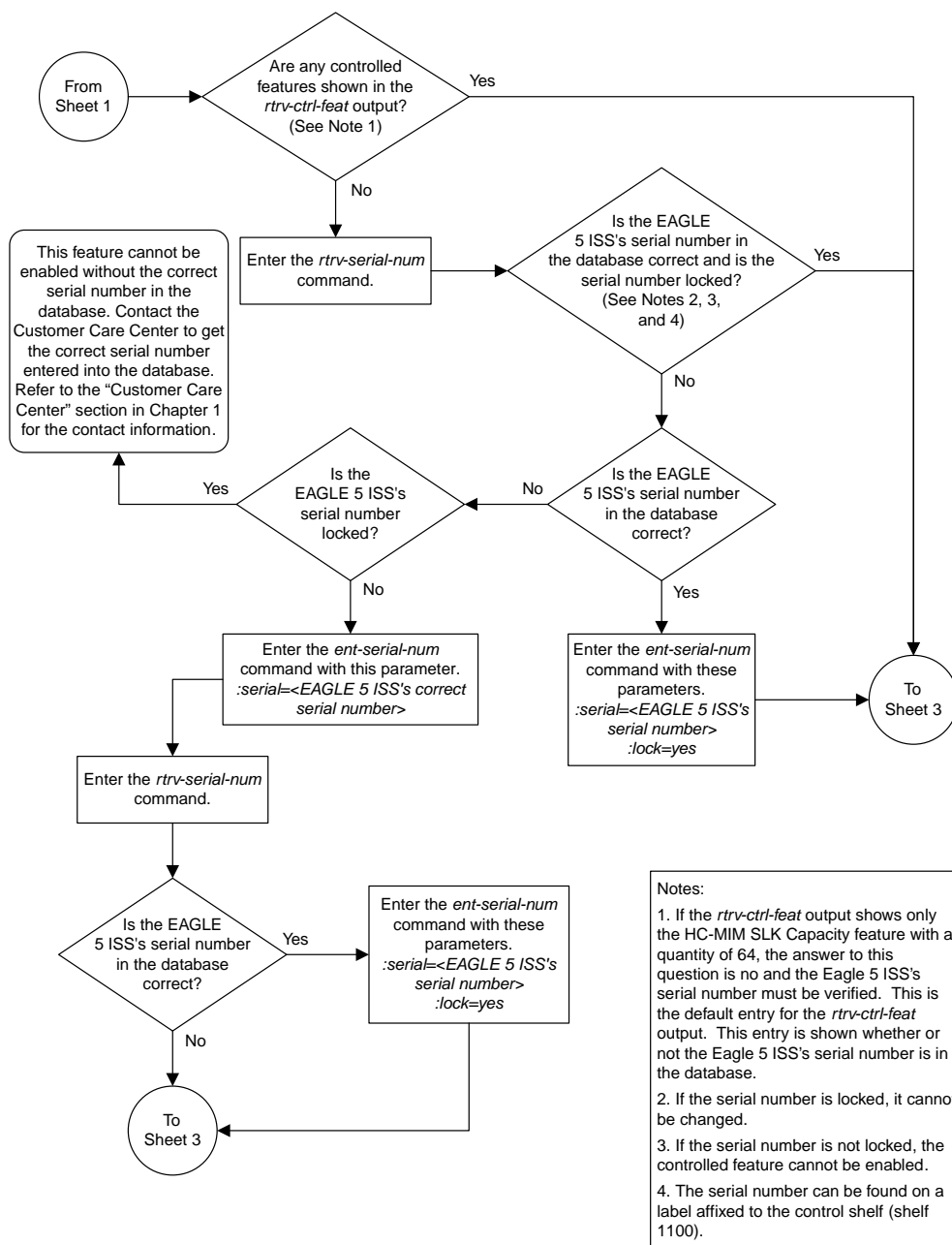


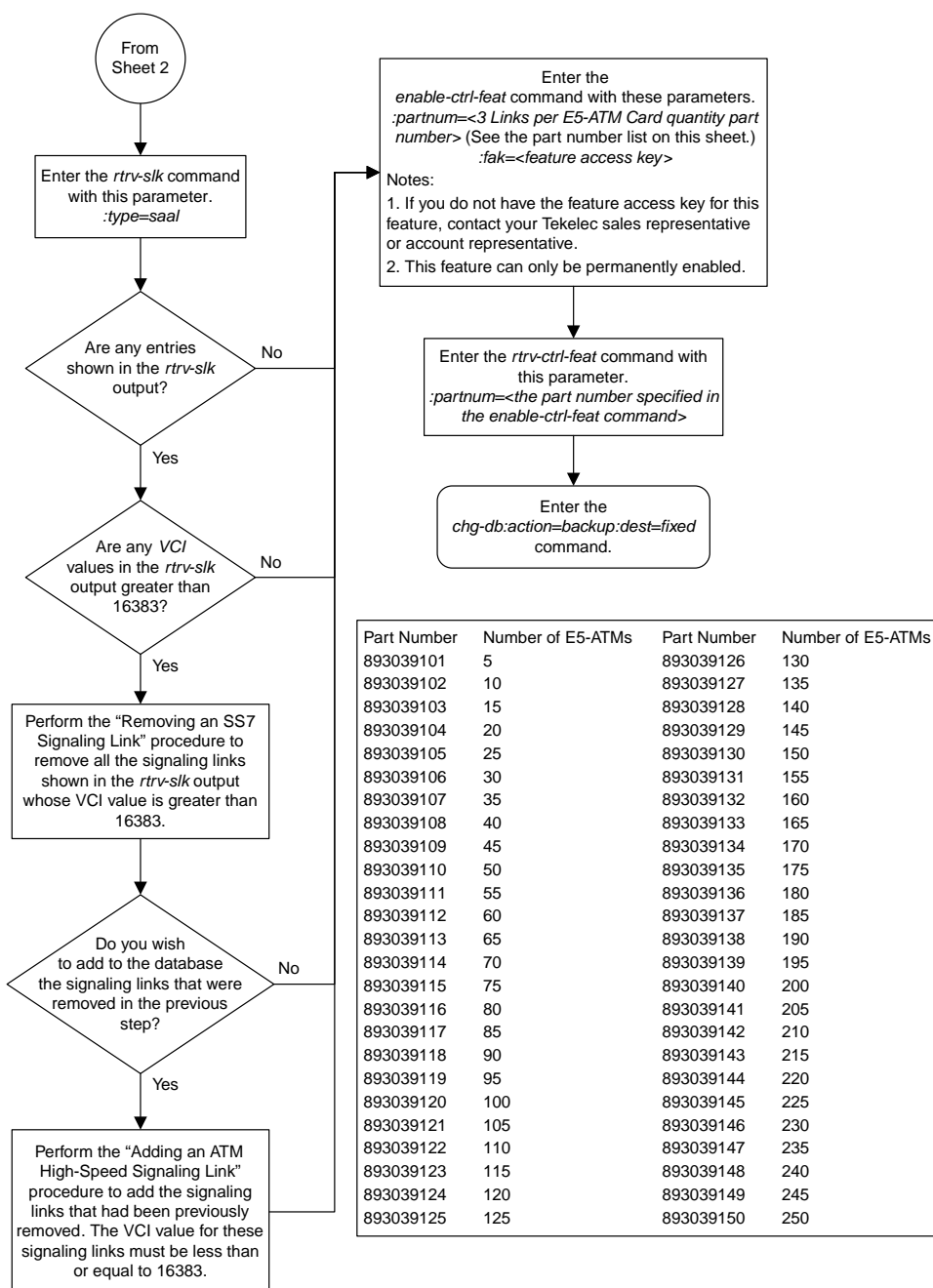
## Changing the 3 Links per E5-ATM Card Quantity



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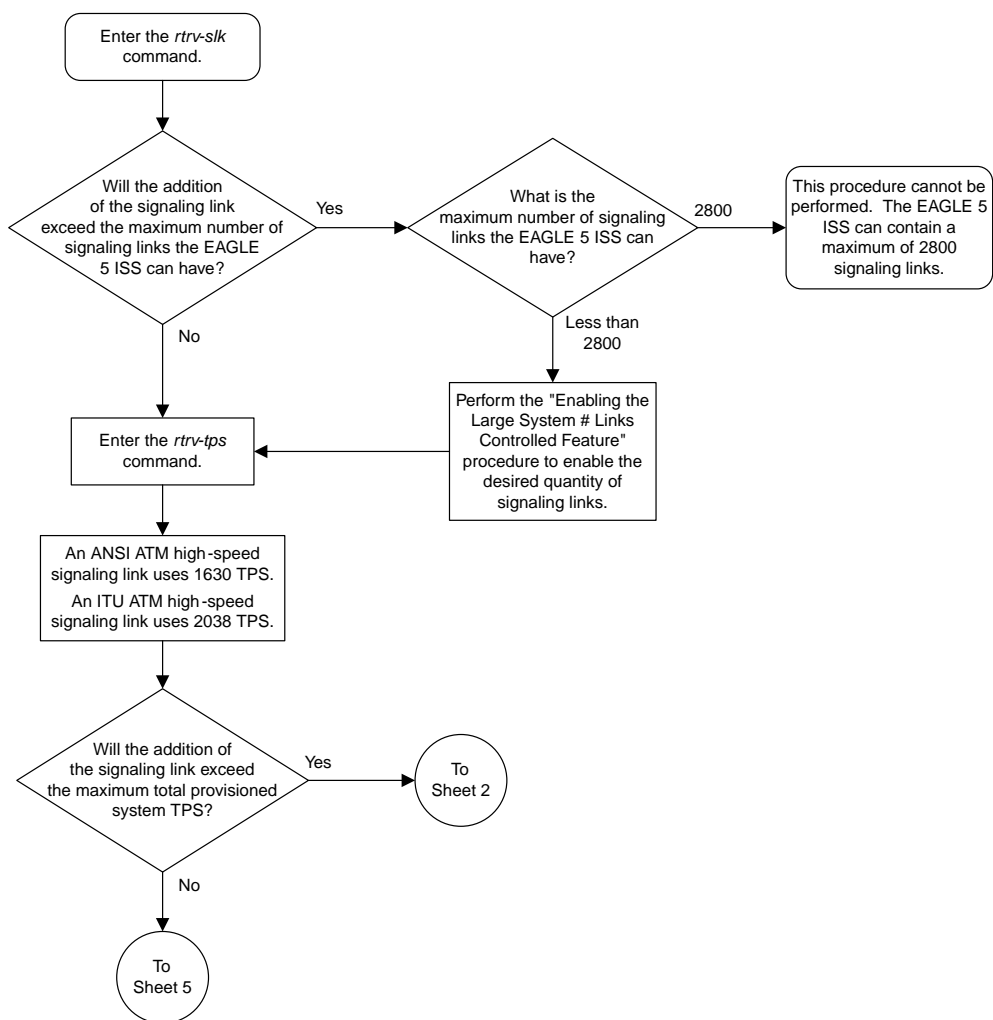


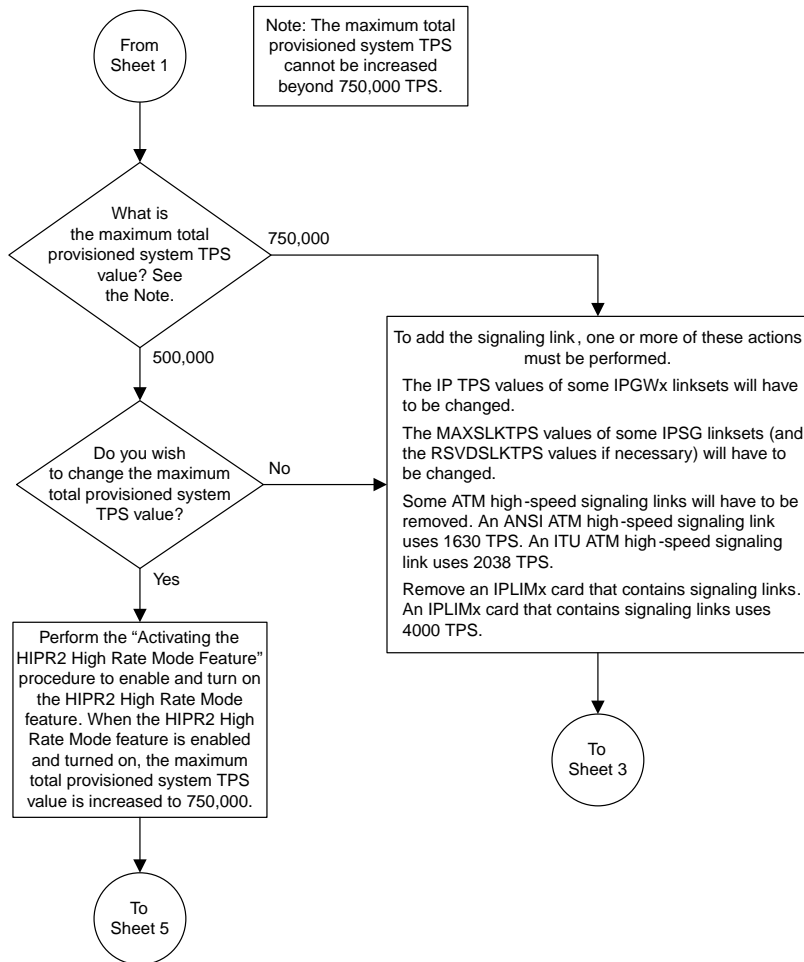


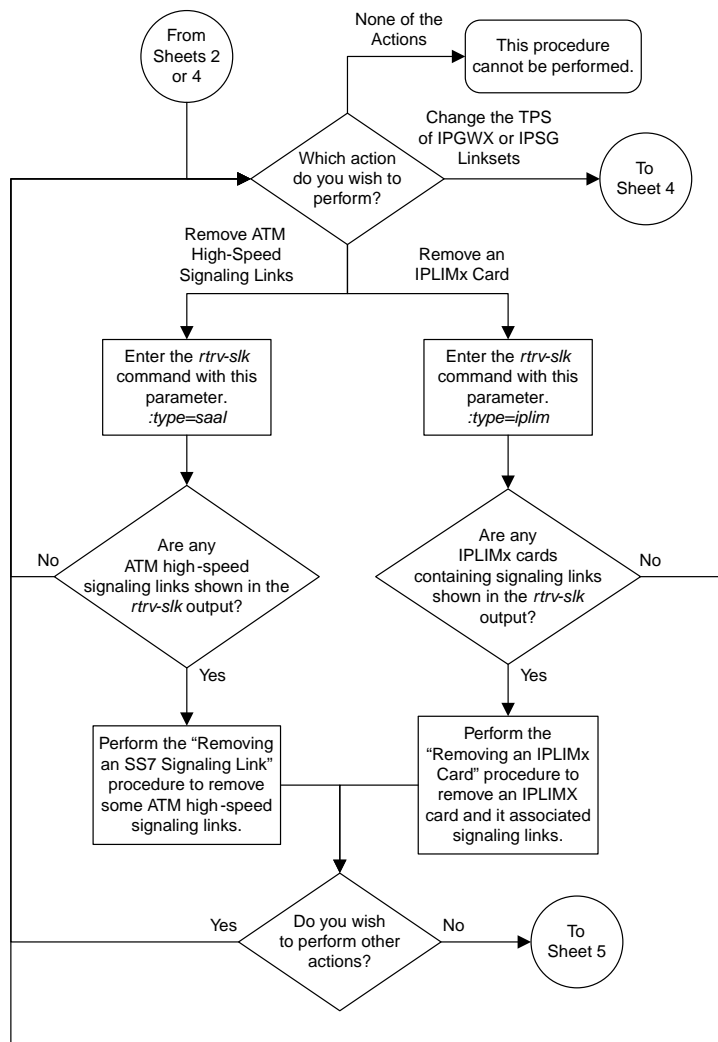


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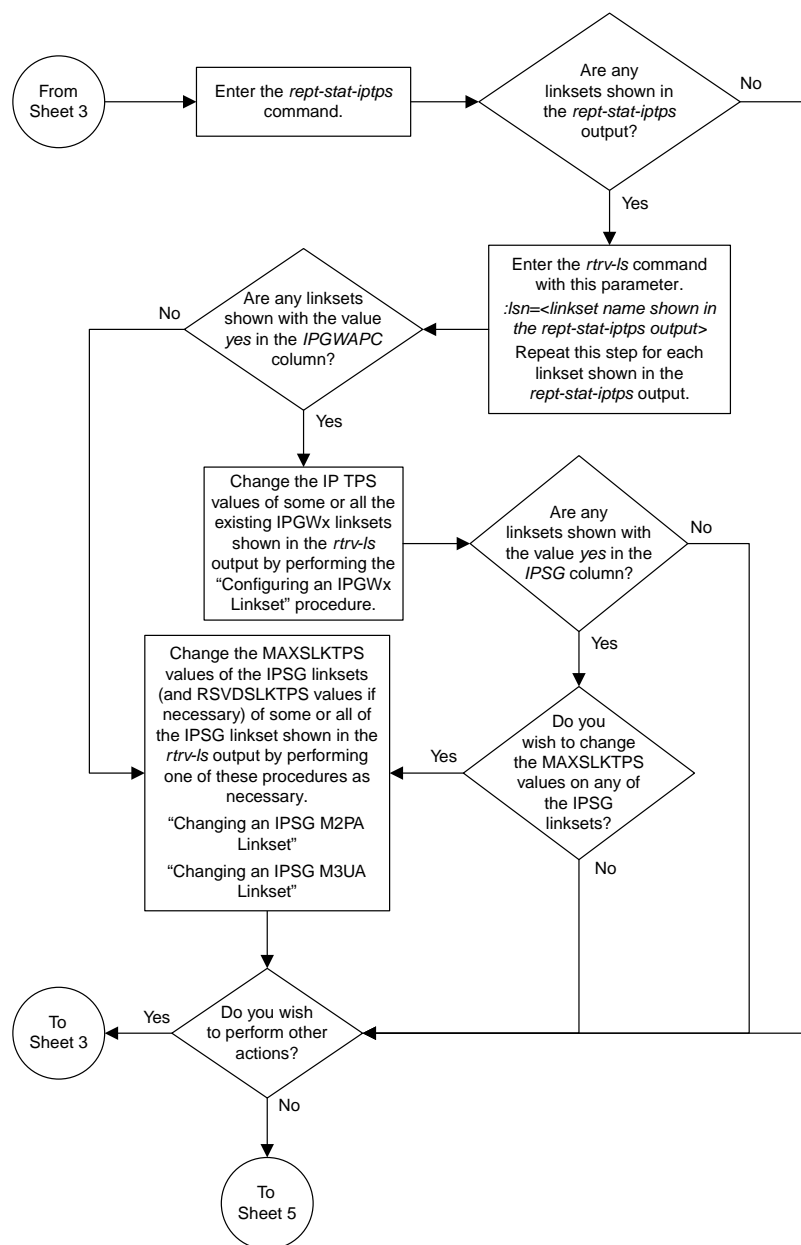
## Adding an ATM High-Speed Signaling Link

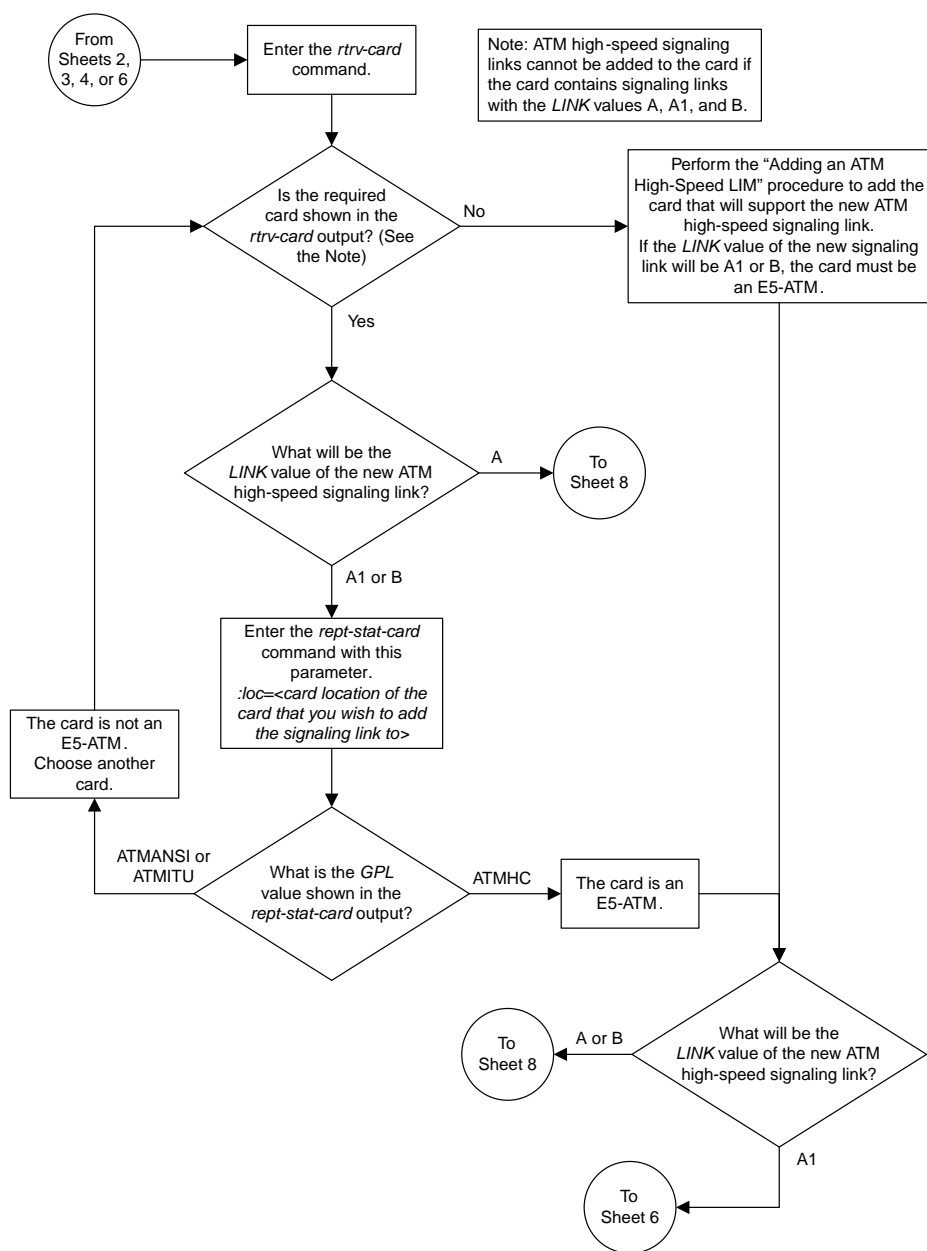


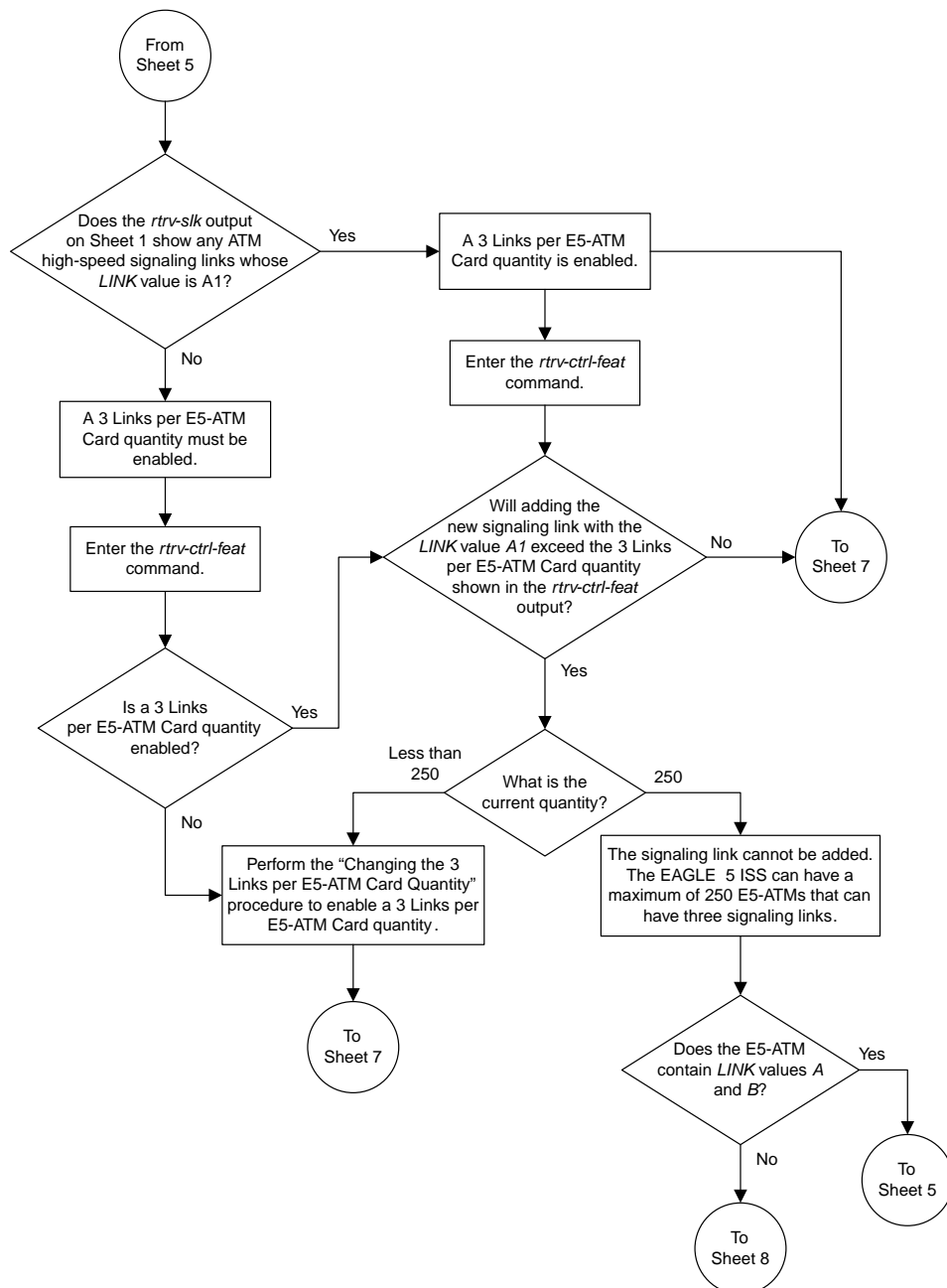




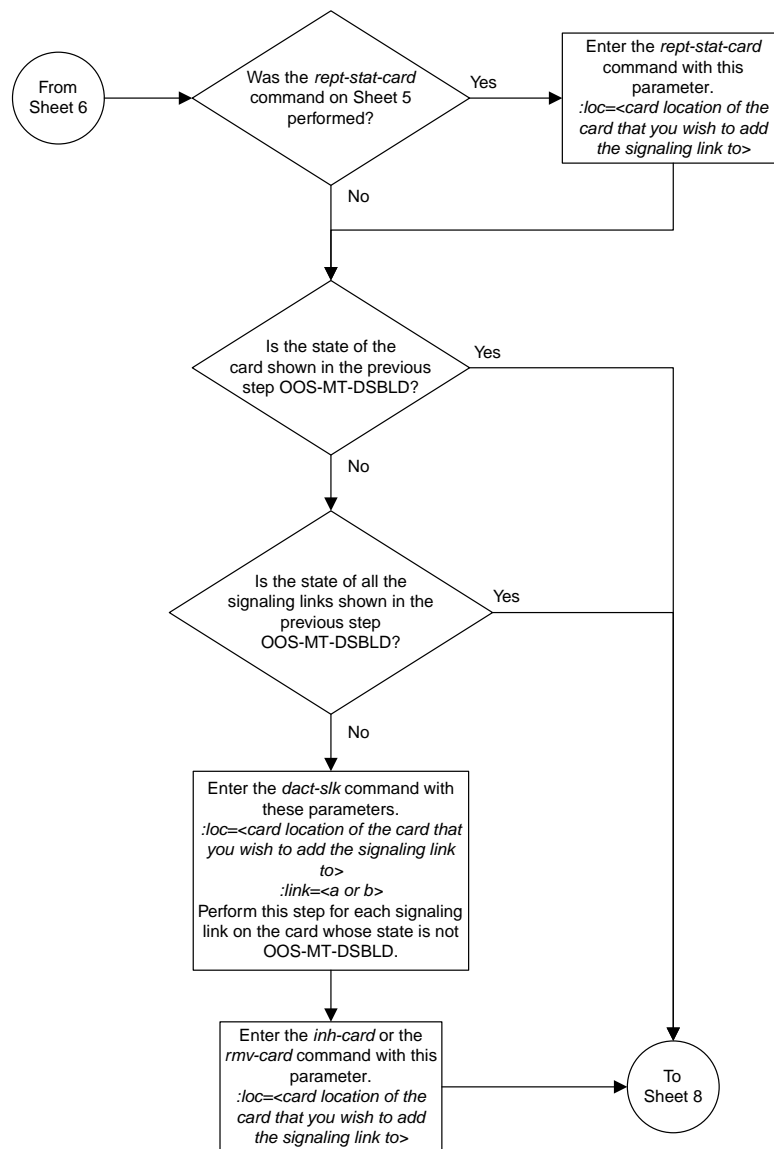
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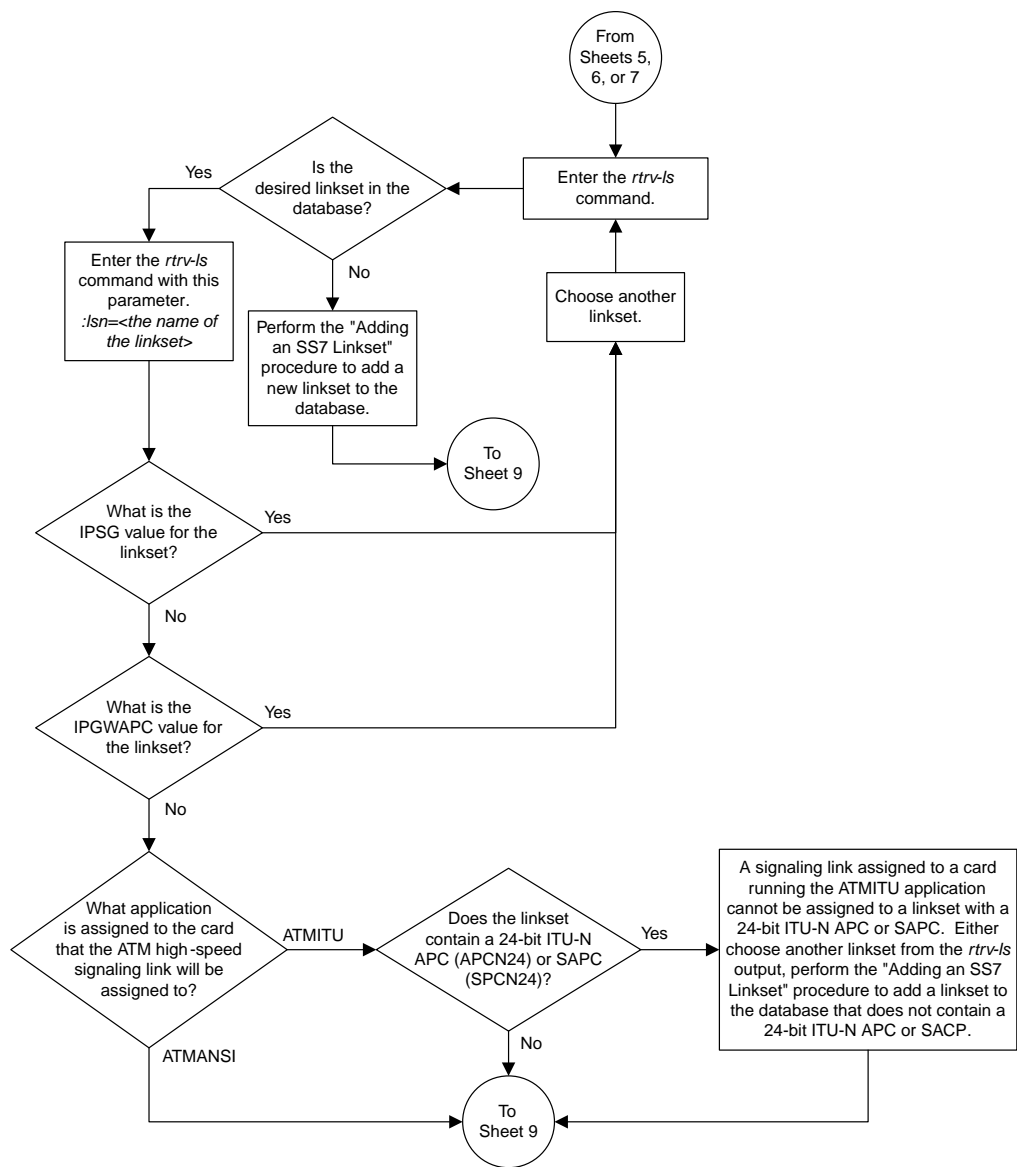




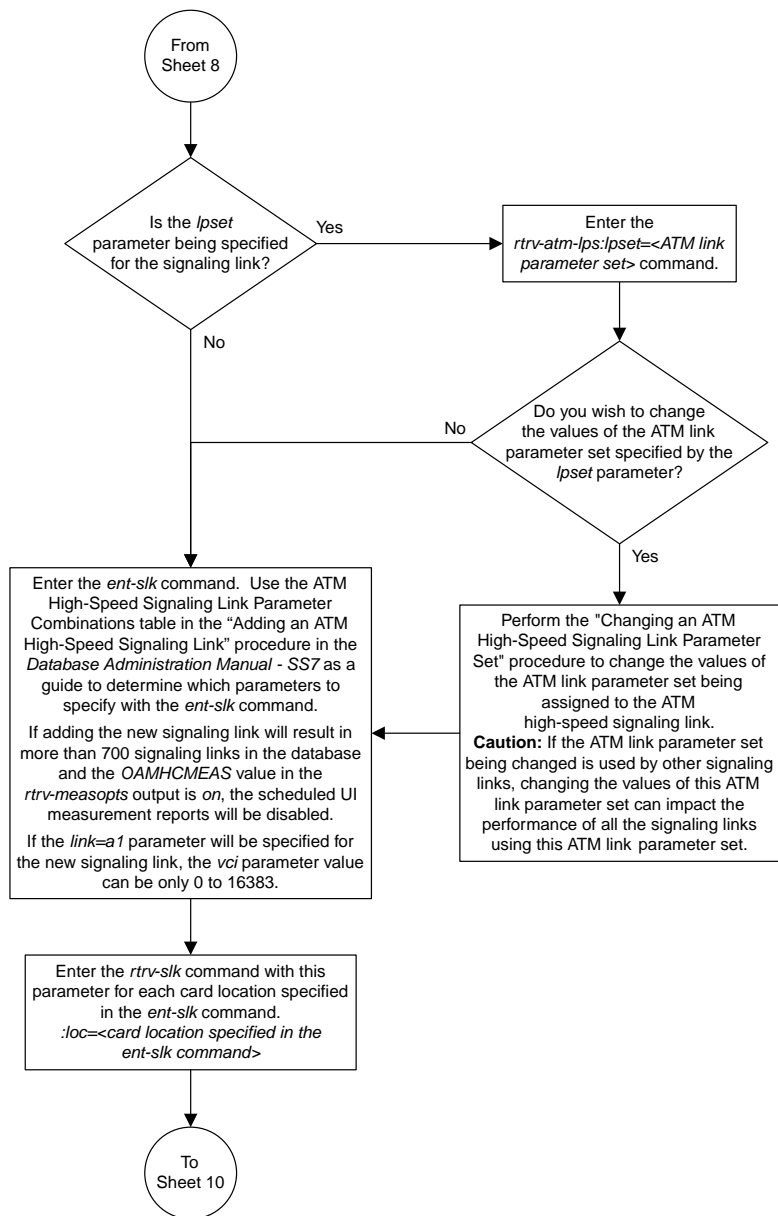


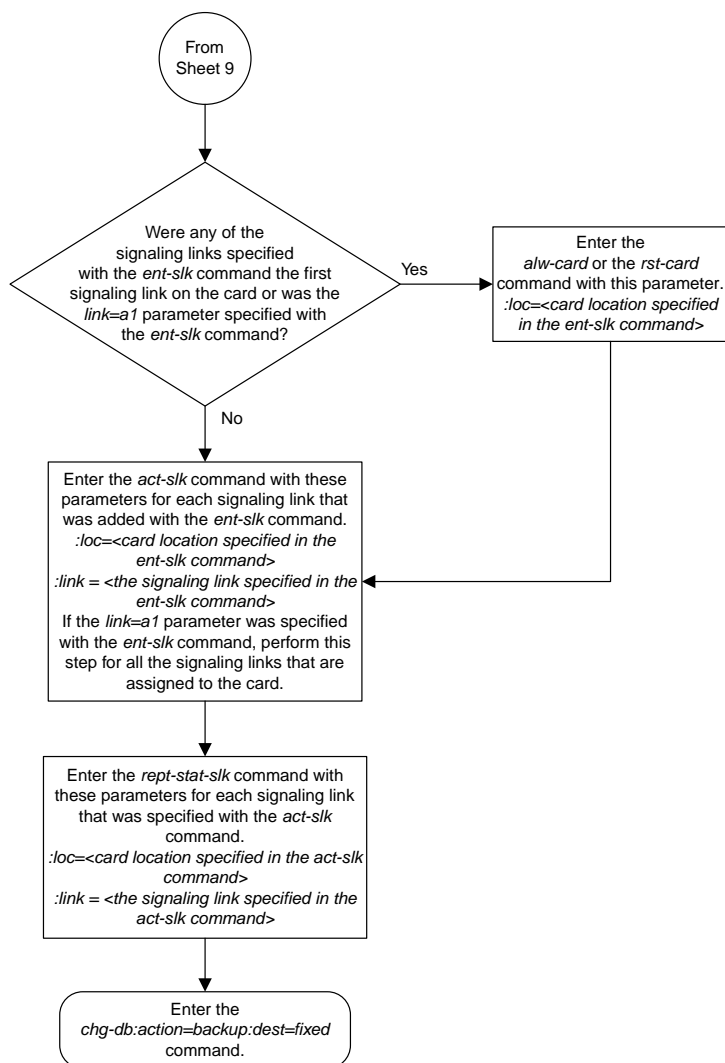




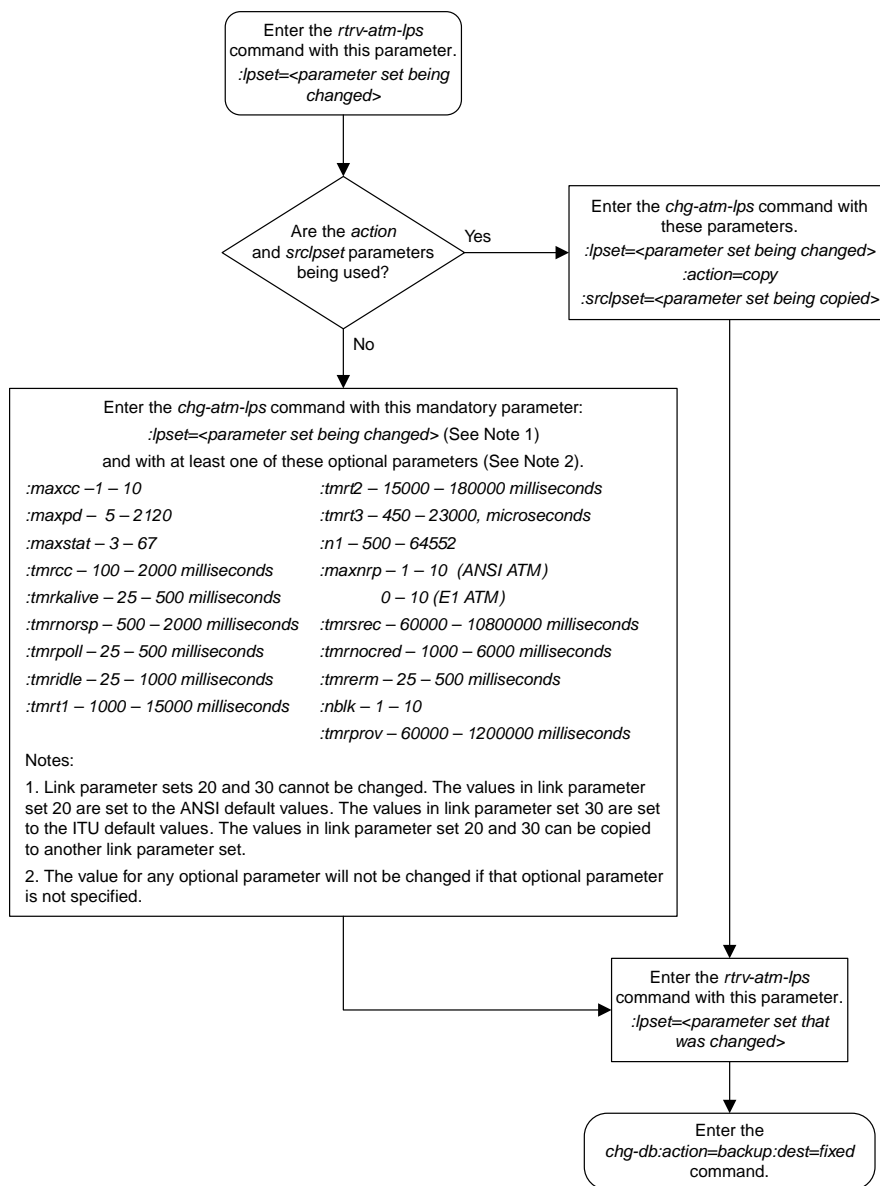


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## Changing an ATM High-Speed Signaling Link Parameter Set



# Chapter 22

## Database Management Flowcharts

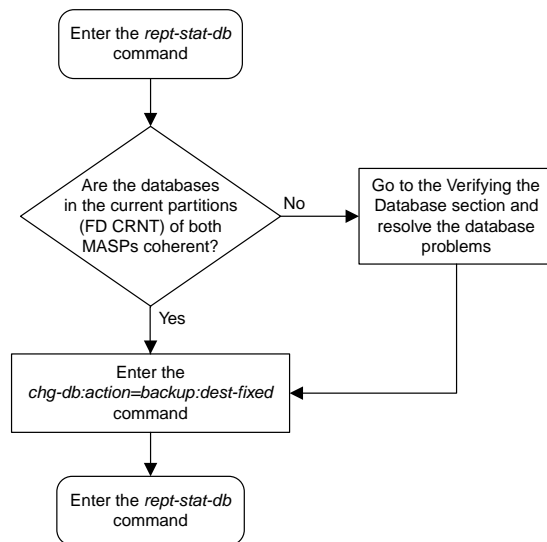
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### Topics:

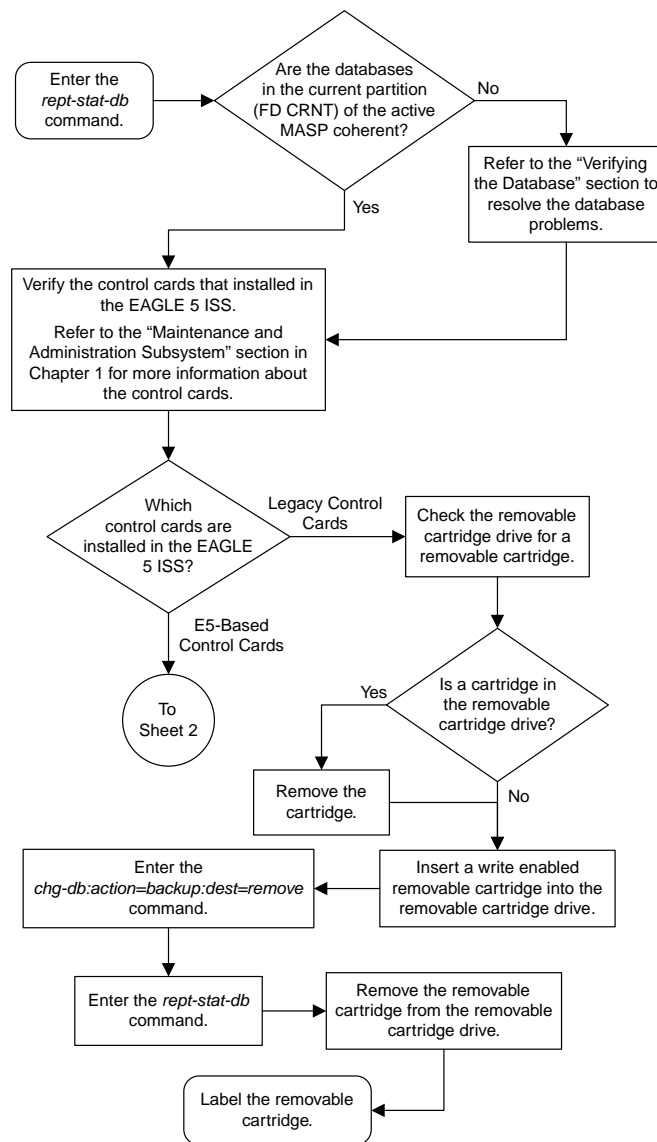
- *Making a Backup of the Database on the Fixed Disk.....1279*
- *Making a Backup of the Database to the Removable Cartridge or Removable Media .....1280*
- *Restoring the Database from the Backup Partition of the Fixed Disk.....1284*
- *Restoring the Database from the Removable Cartridge or Removable Media .....1285*
- *Repairing the Database.....1287*
- *Copying the Database from the Active to the Standby Fixed Disk.....1288*
- *Backing Up System Data to the Removable Cartridge or Removable Media .....1291*
- *Restoring System Data from a Removable Cartridge or Removable Media.....1293*
- *Formatting a Removable Cartridge.....1295*
- *Formatting the Fixed Disk of the Standby TDM.....1300*
- *Formatting Removable Media.....1304*

This chapter contains the flowcharts for the procedures that are used for managing the database. These procedures are located in the *Database Administration Manual - System Management*.

## Making a Backup of the Database on the Fixed Disk

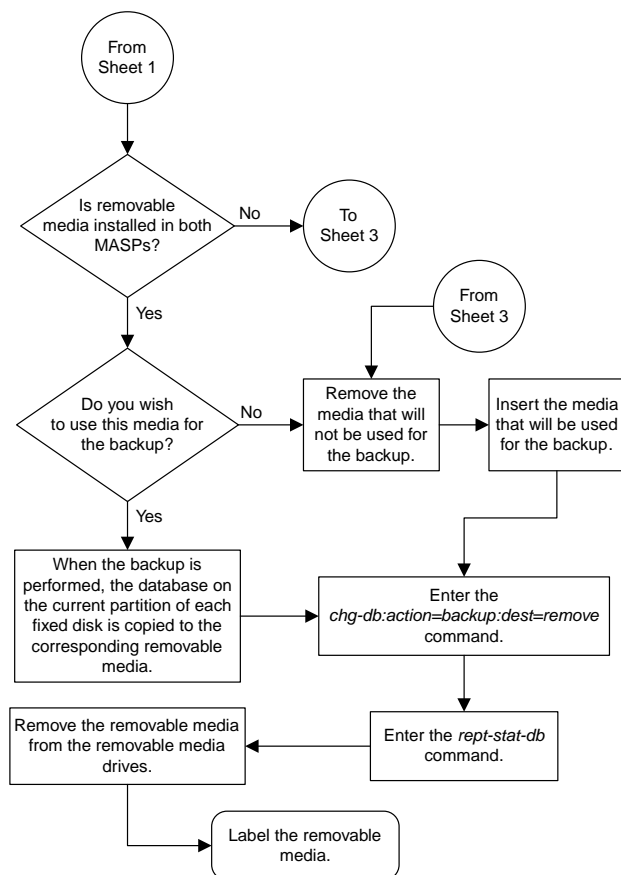


## Making a Backup of the Database to the Removable Cartridge or Removable Media

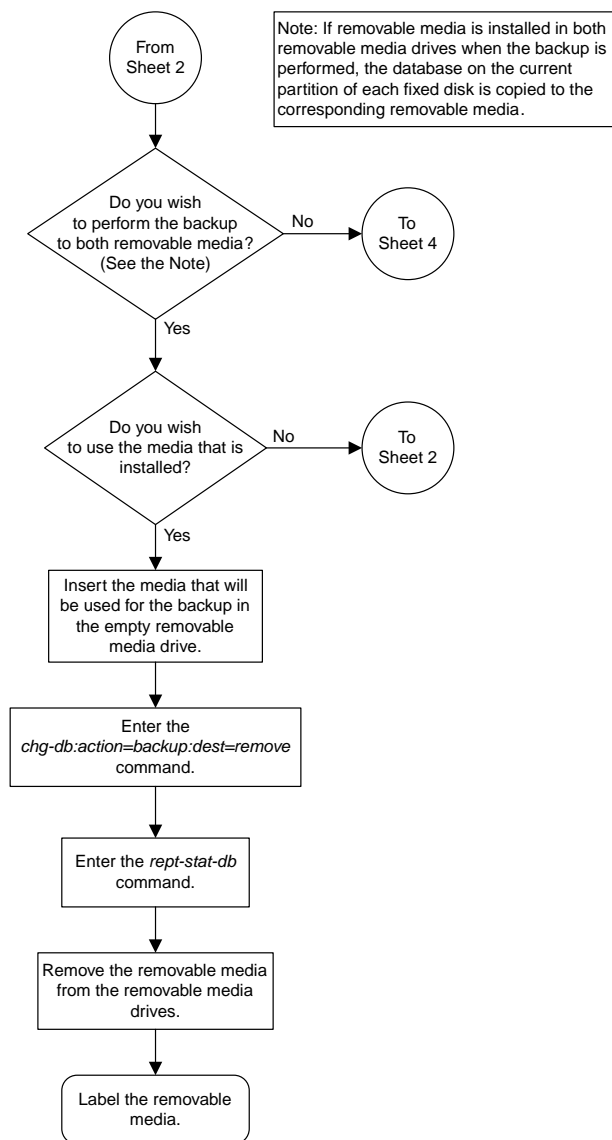


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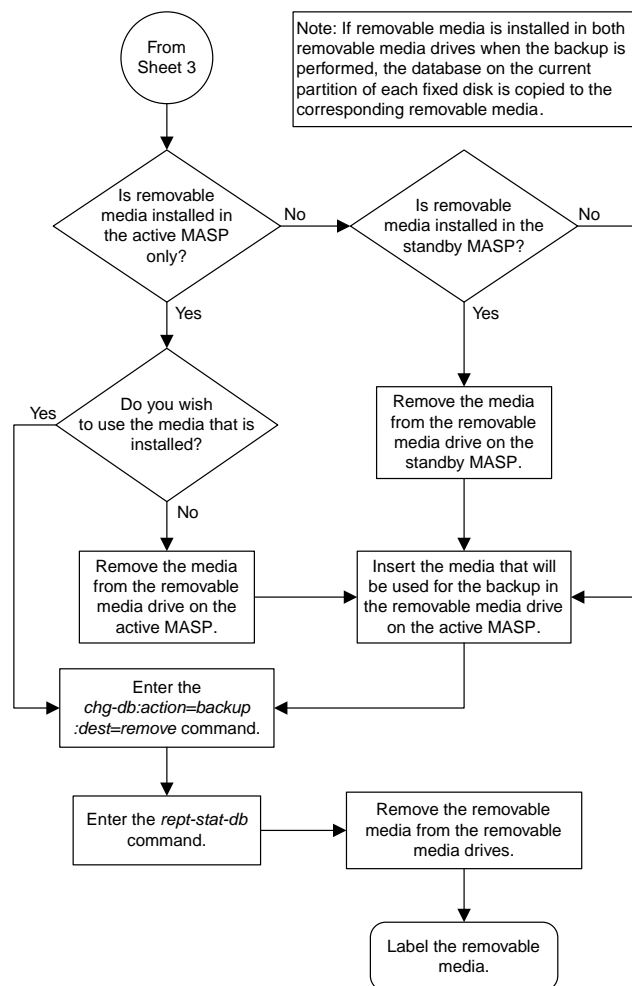




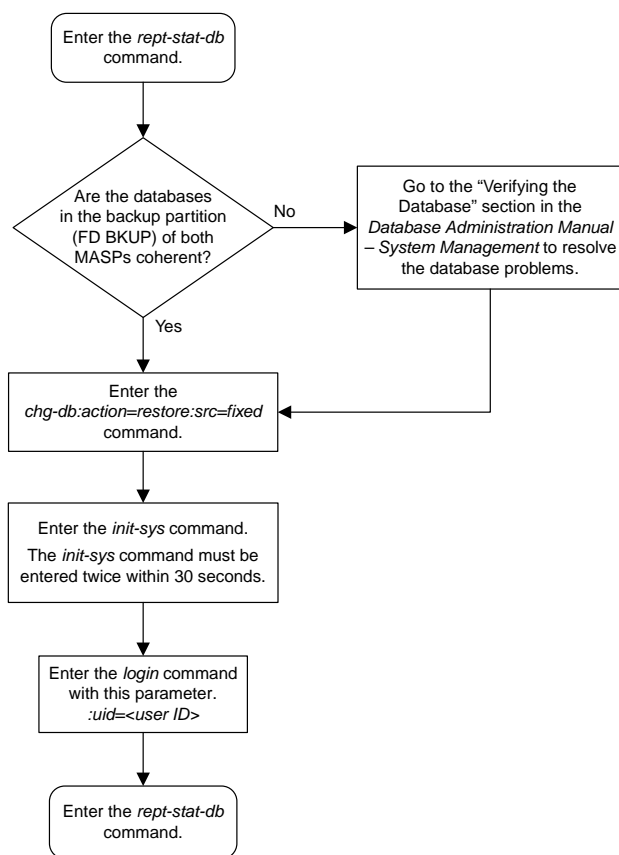
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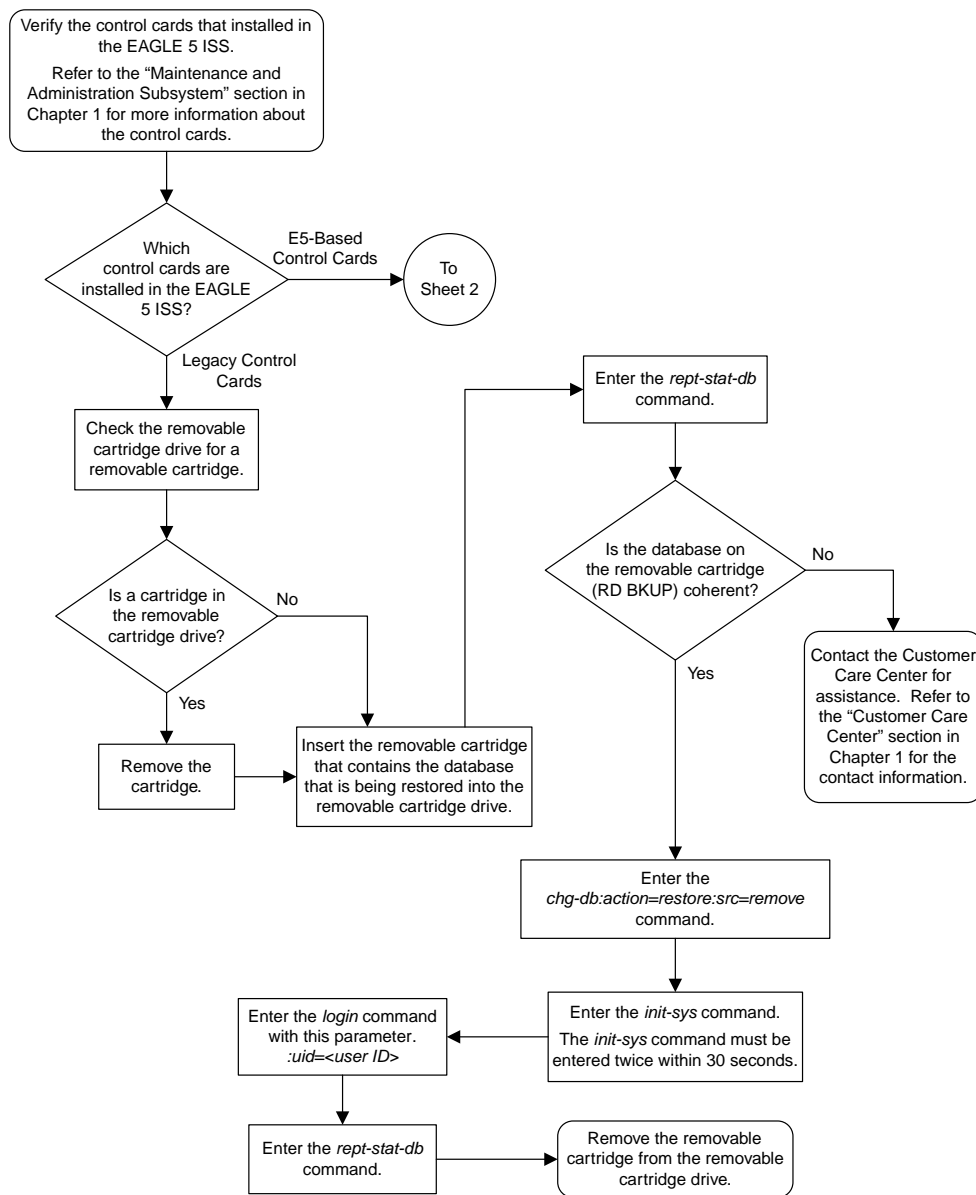
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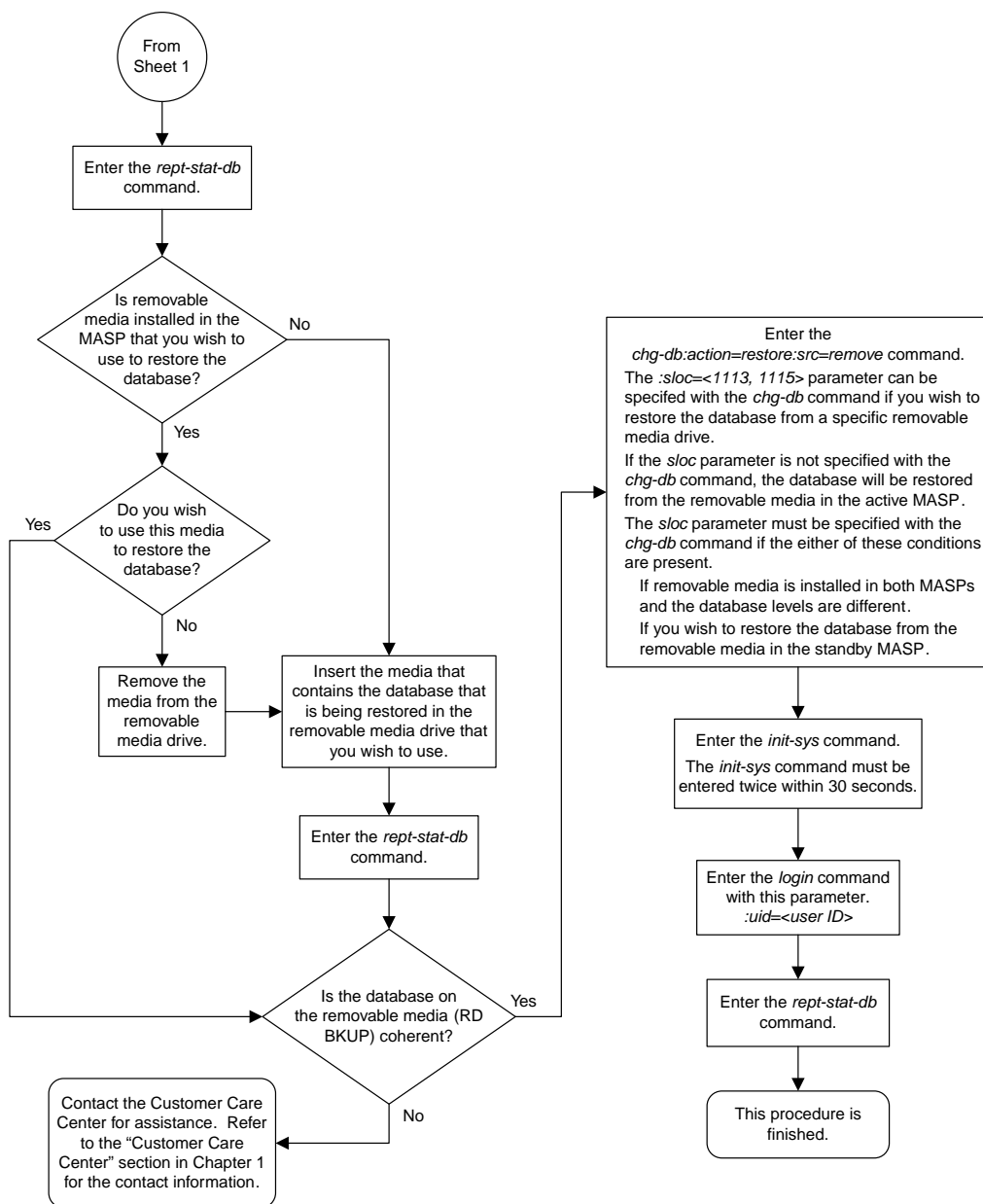
## Restoring the Database from the Backup Partition of the Fixed Disk



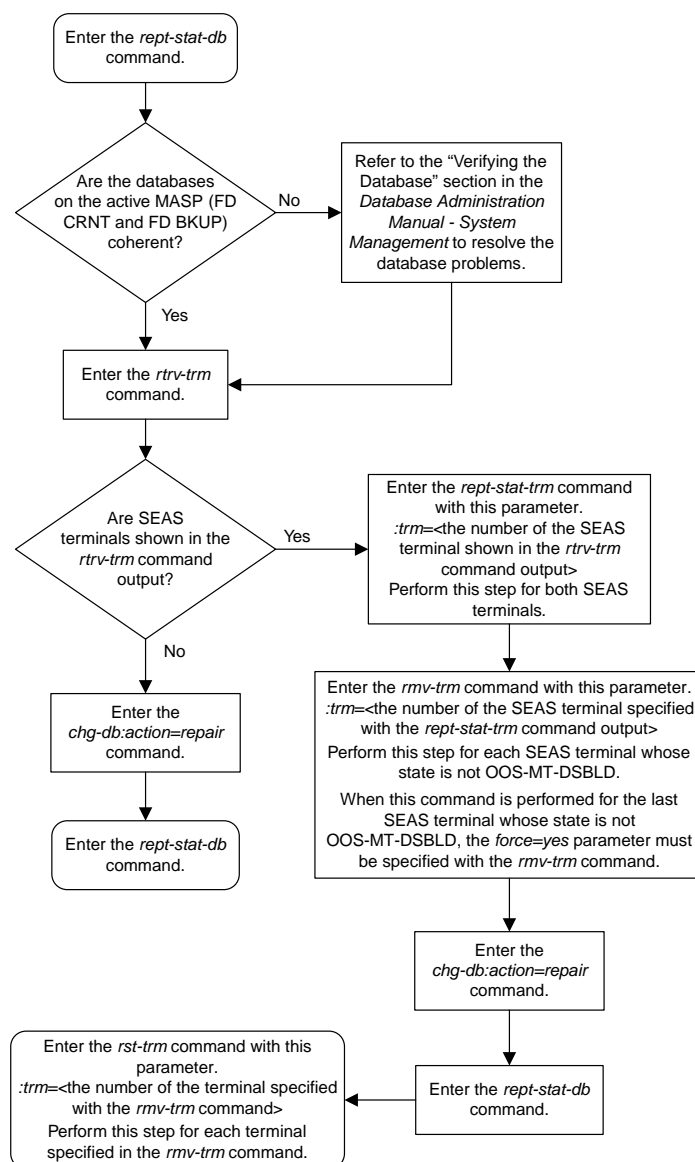
## Restoring the Database from the Removable Cartridge or Removable Media



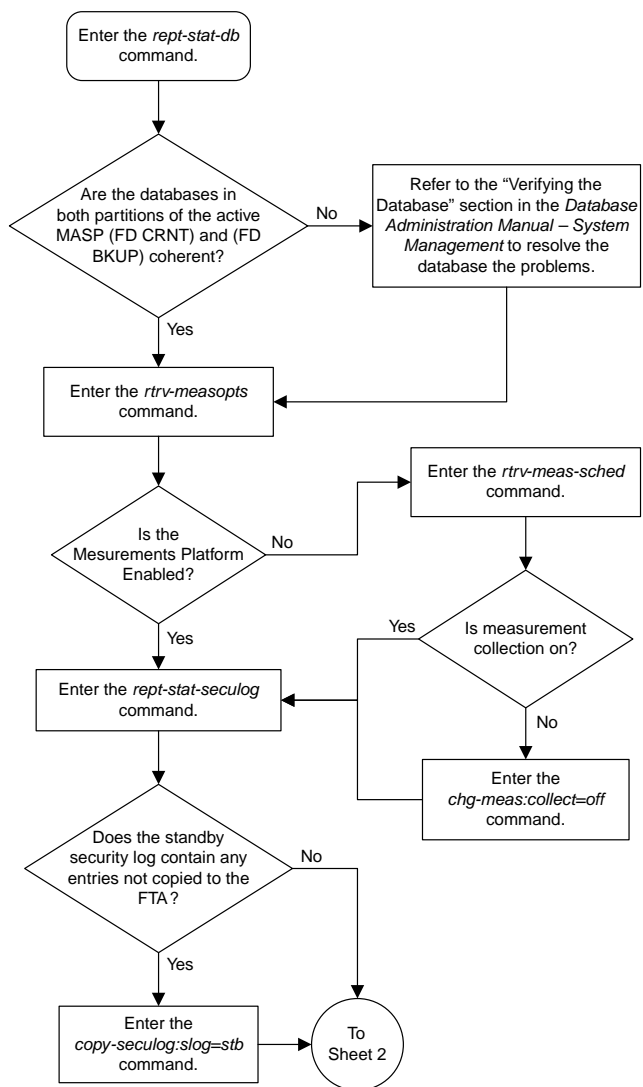
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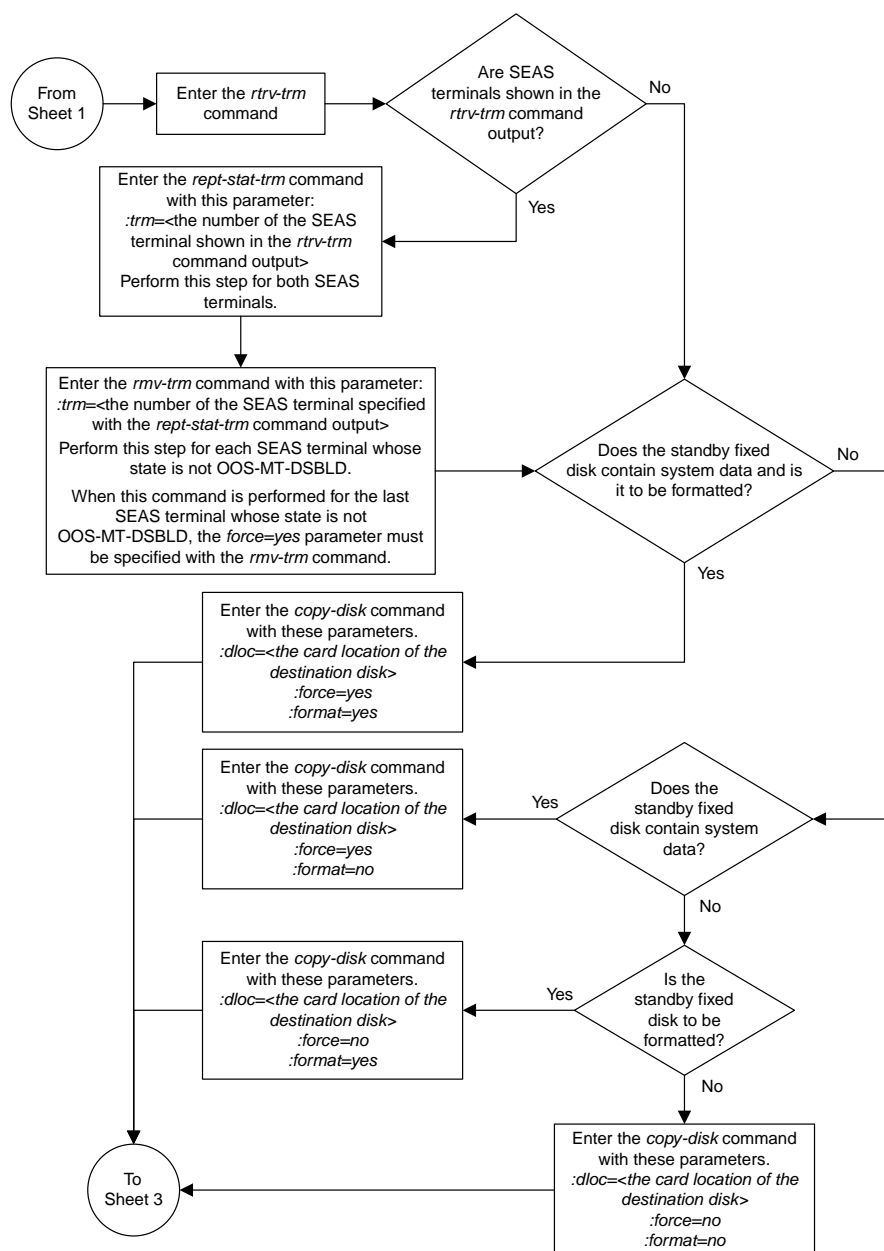
## Repairing the Database



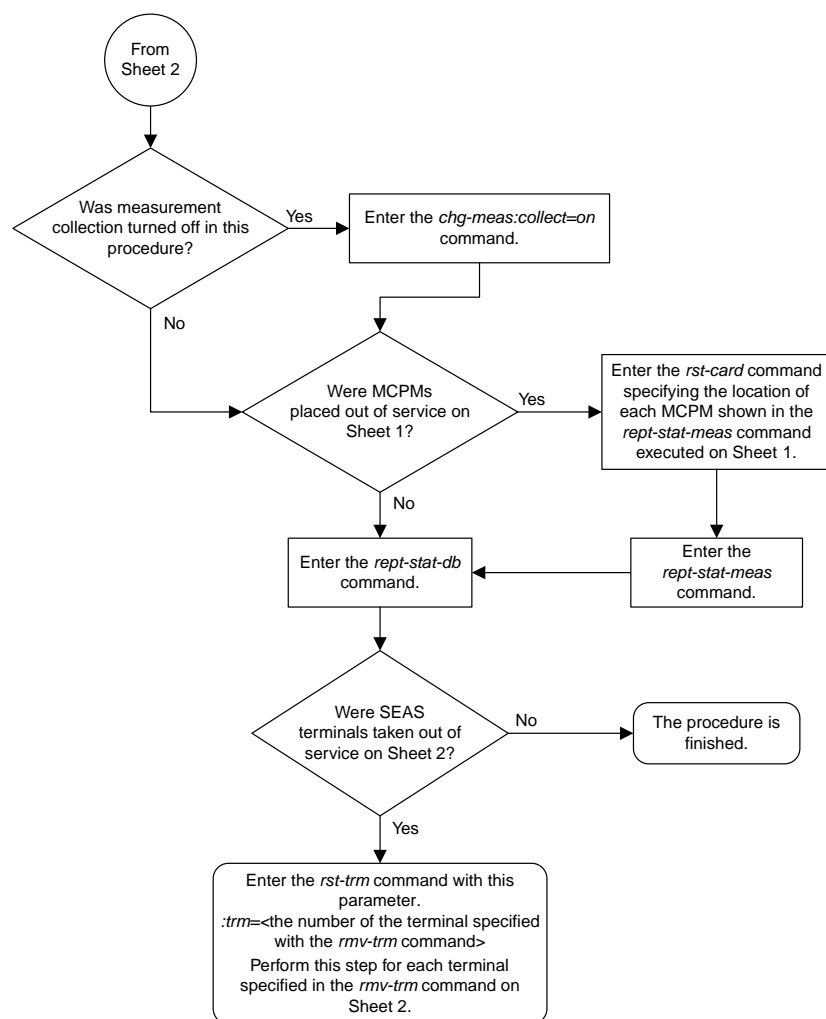
## Copying the Database from the Active to the Standby Fixed Disk





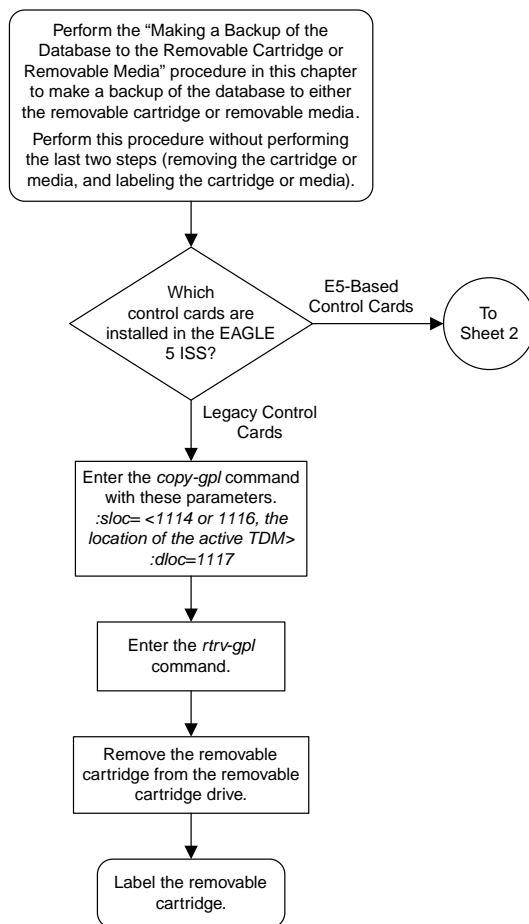


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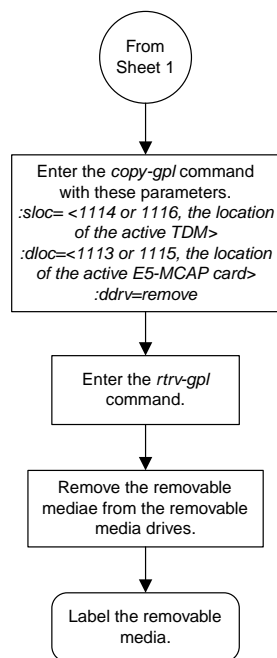


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## Backing Up System Data to the Removable Cartridge or Removable Media

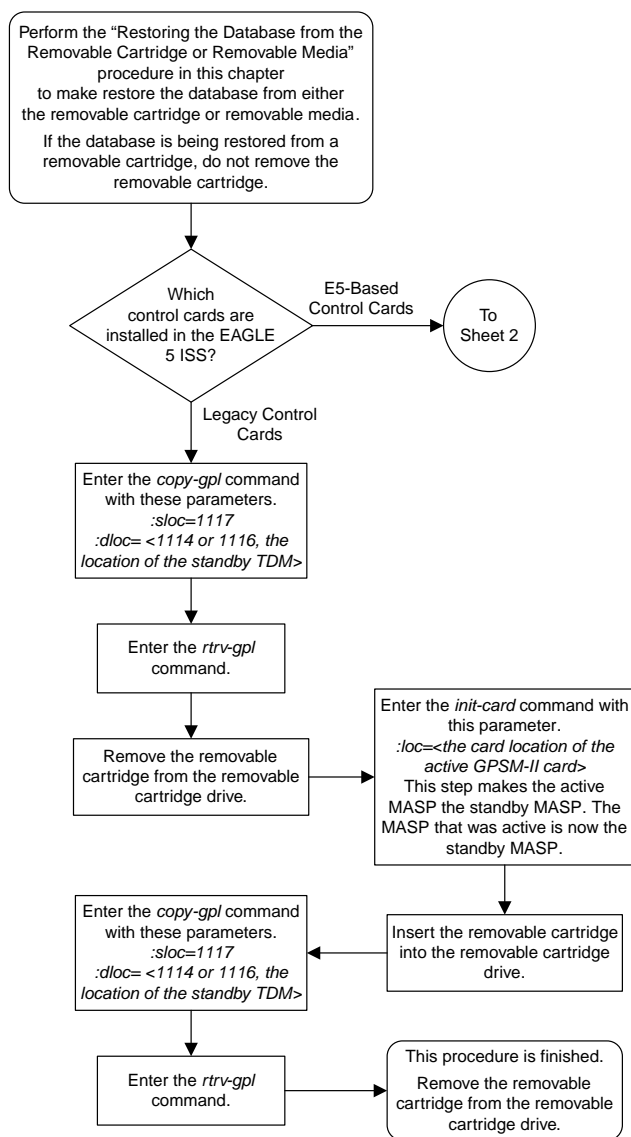


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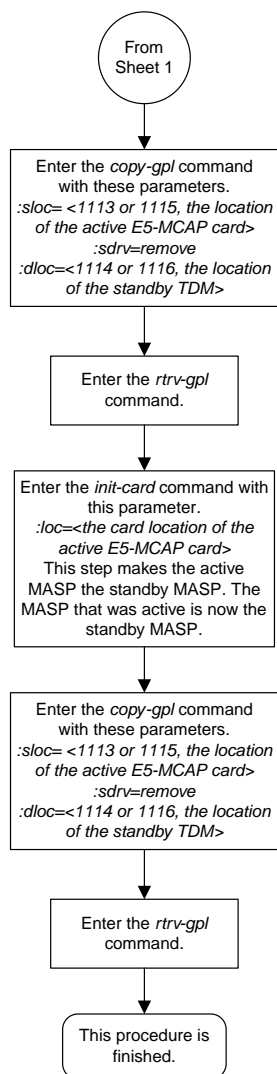


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## Restoring System Data from a Removable Cartridge or Removable Media

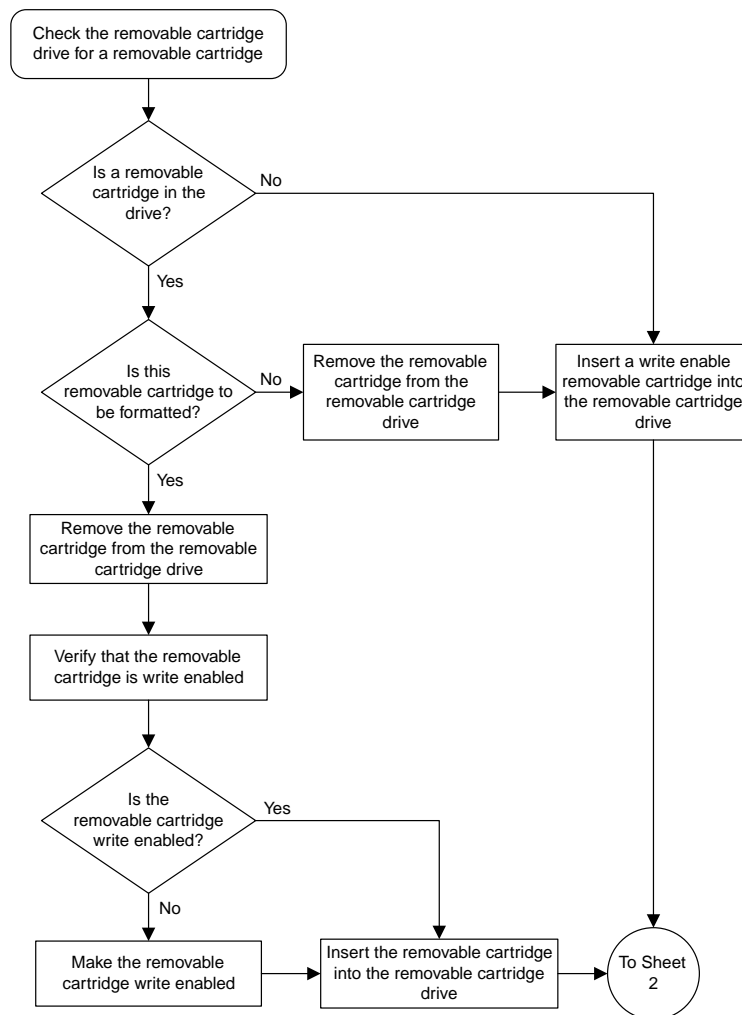


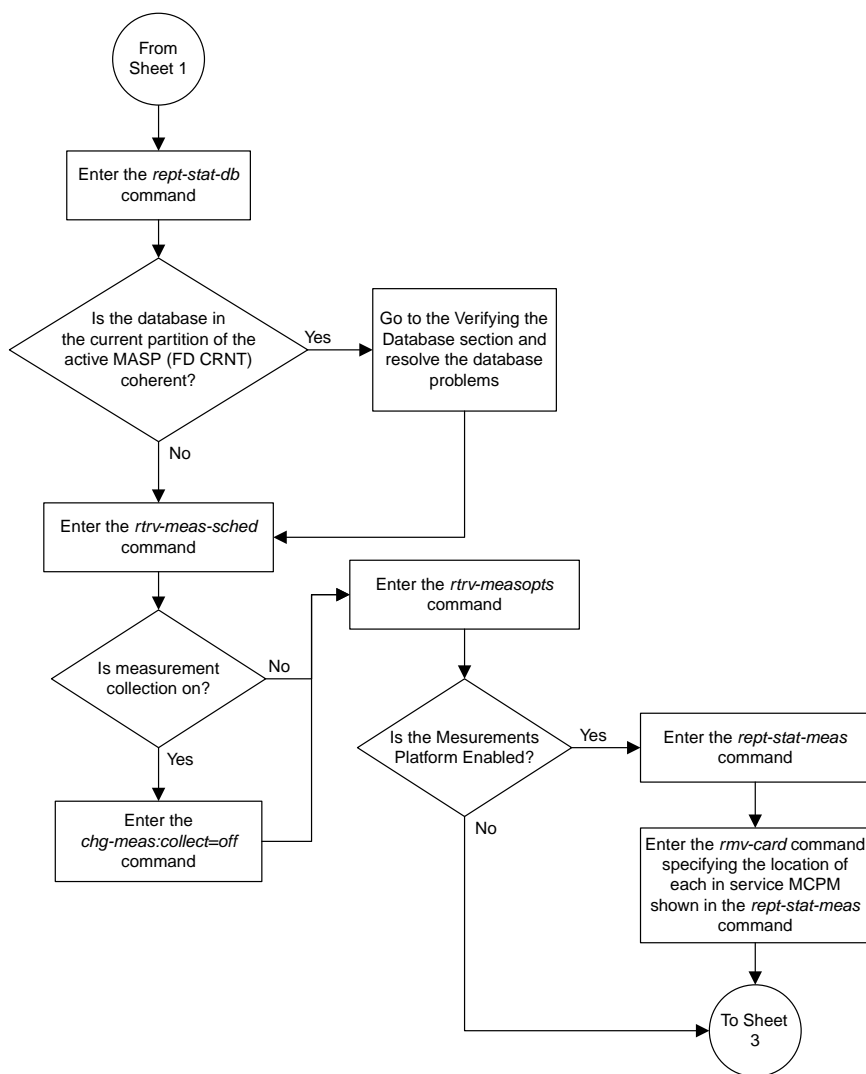
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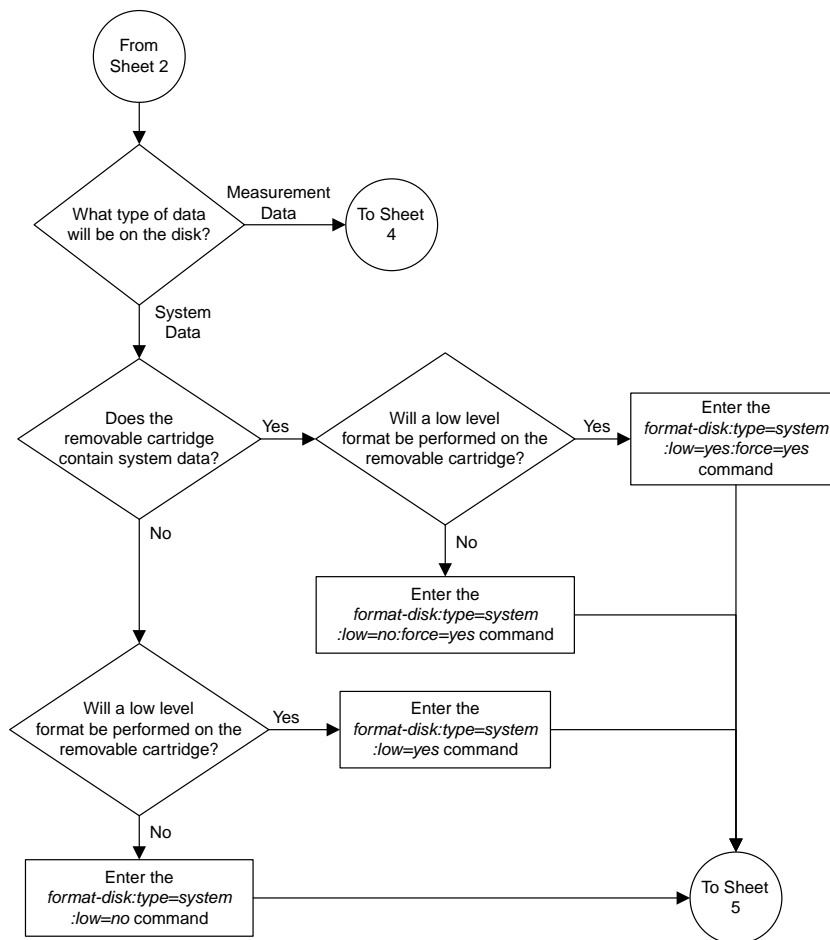
## Formatting a Removable Cartridge

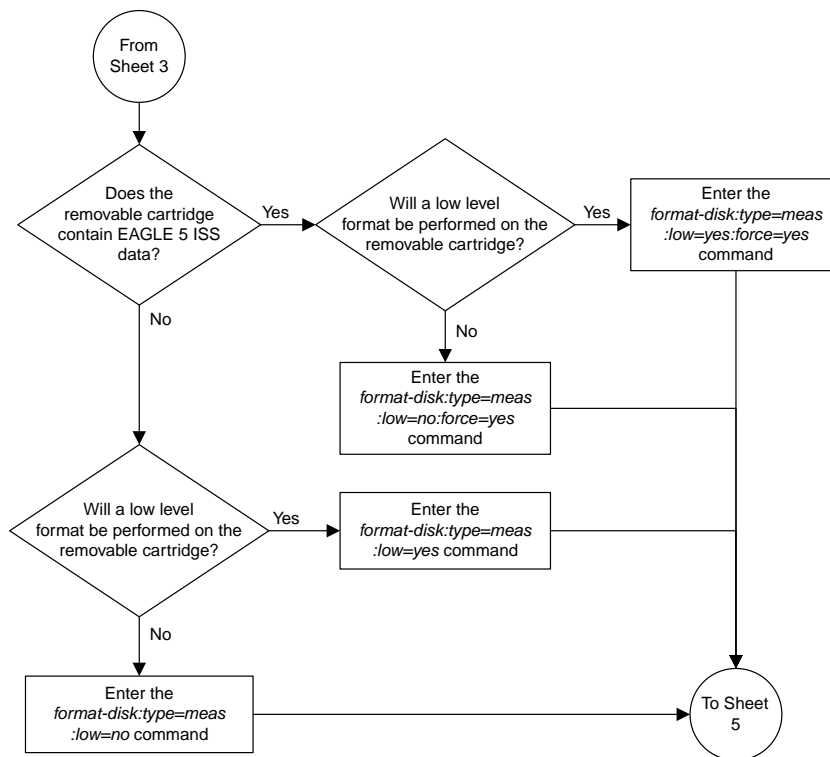




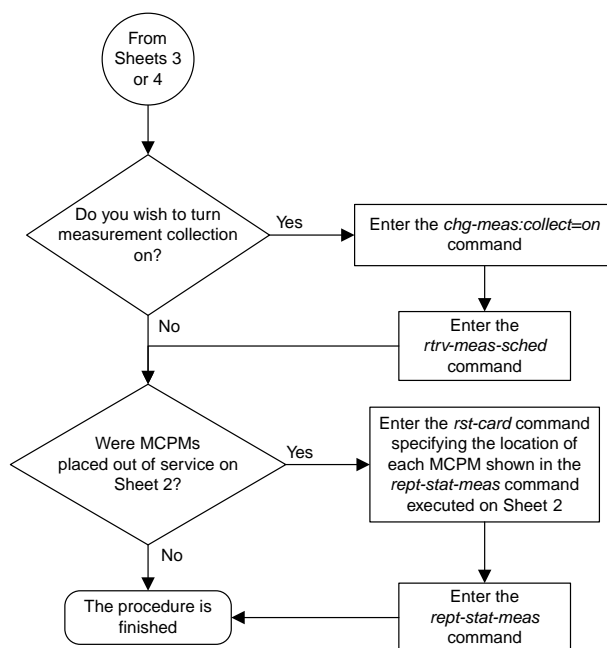
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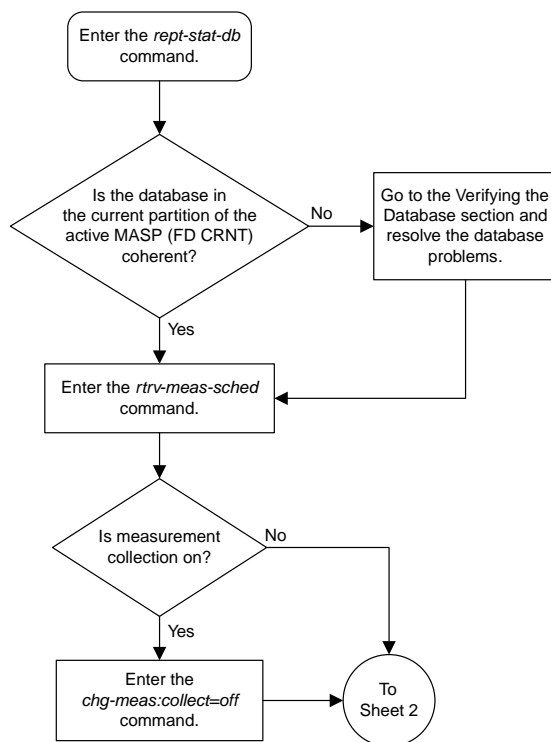


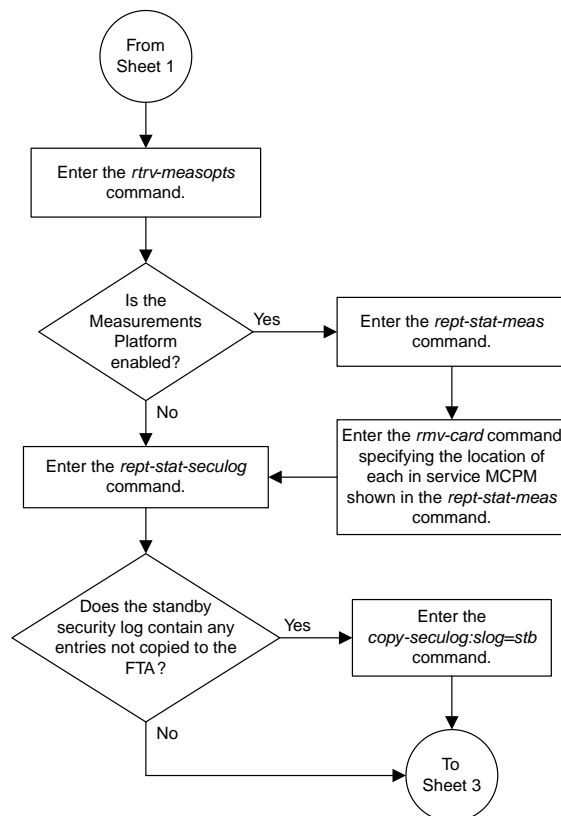


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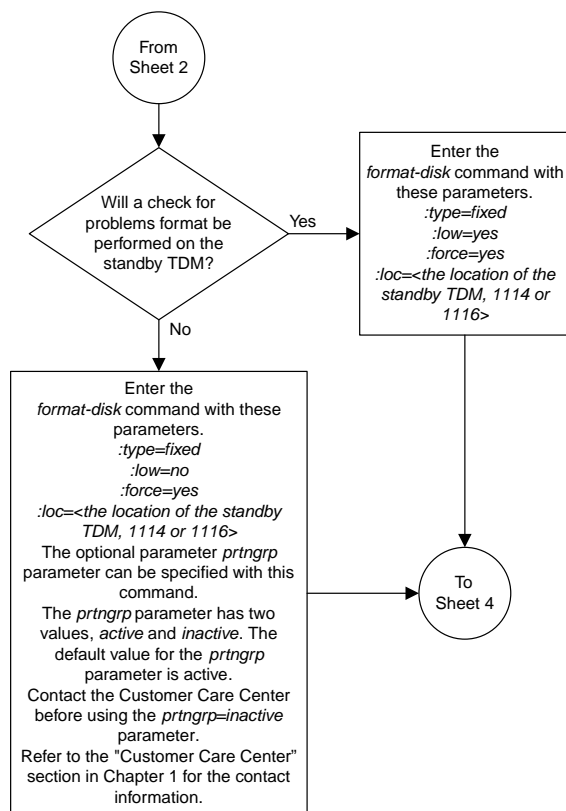


## Formatting the Fixed Disk of the Standby TDM

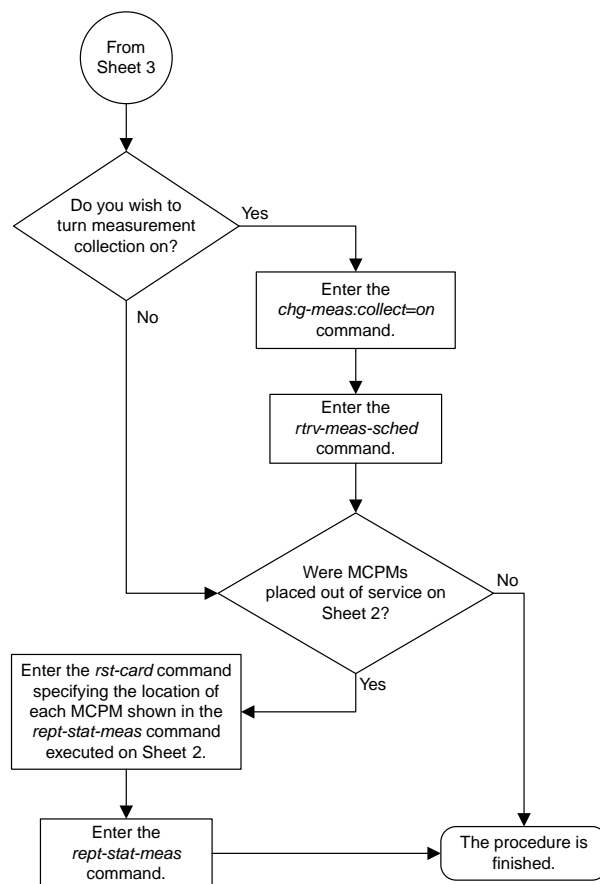




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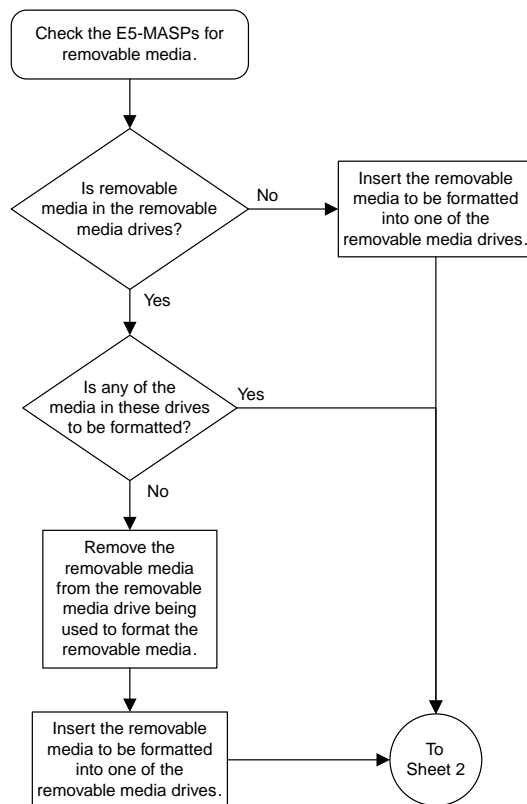


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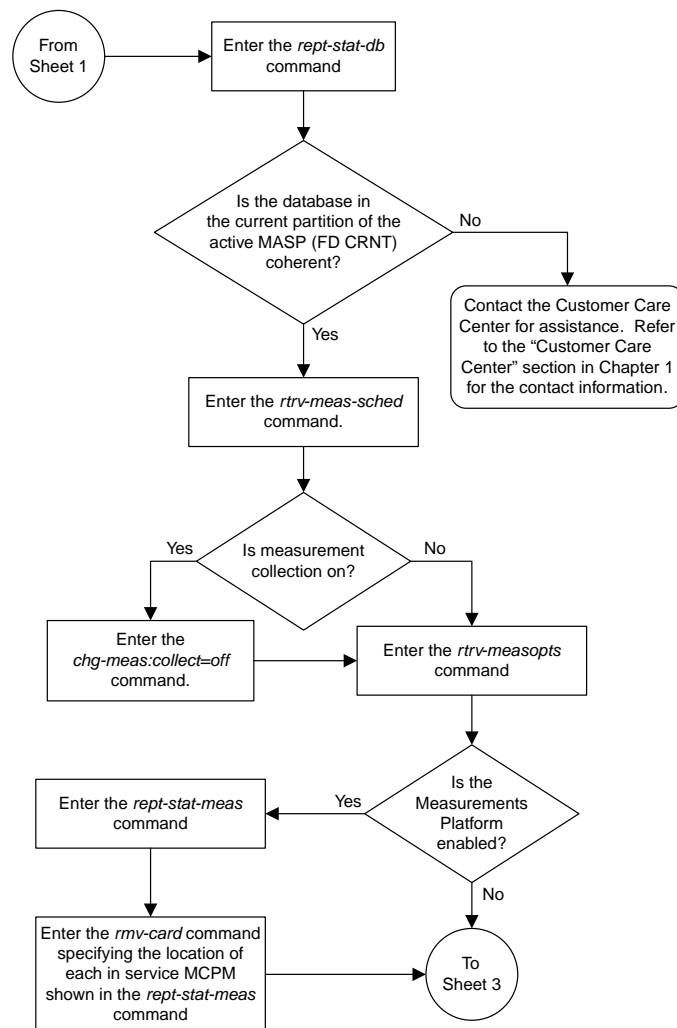


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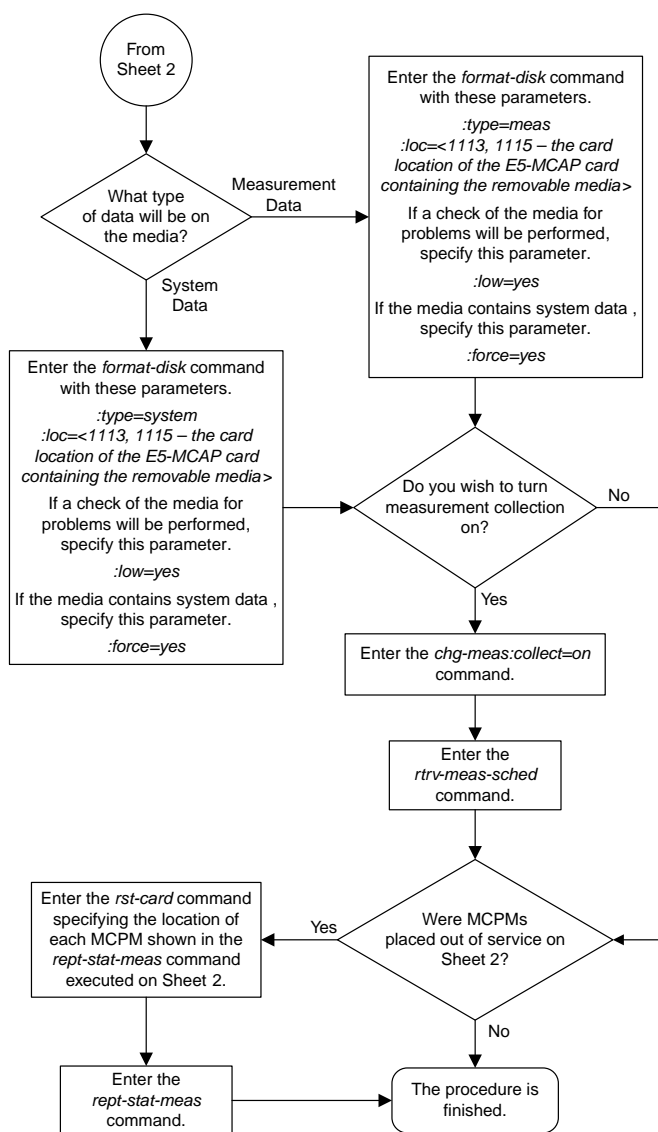
## Formatting Removable Media







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# Chapter 23

## GPL Management Flowcharts

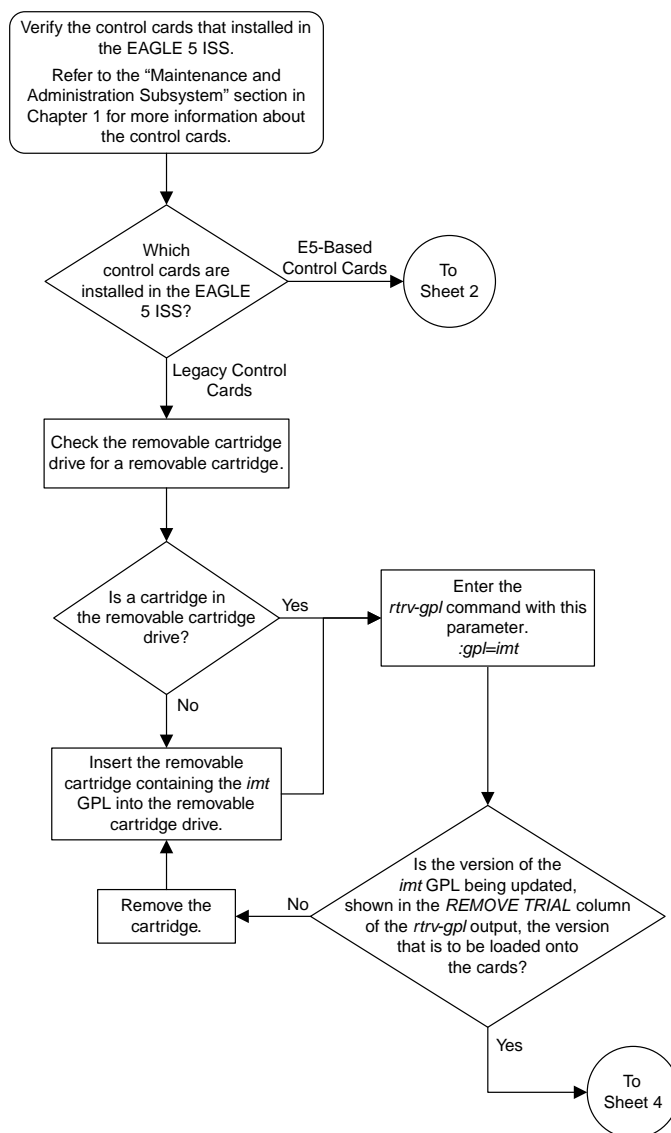
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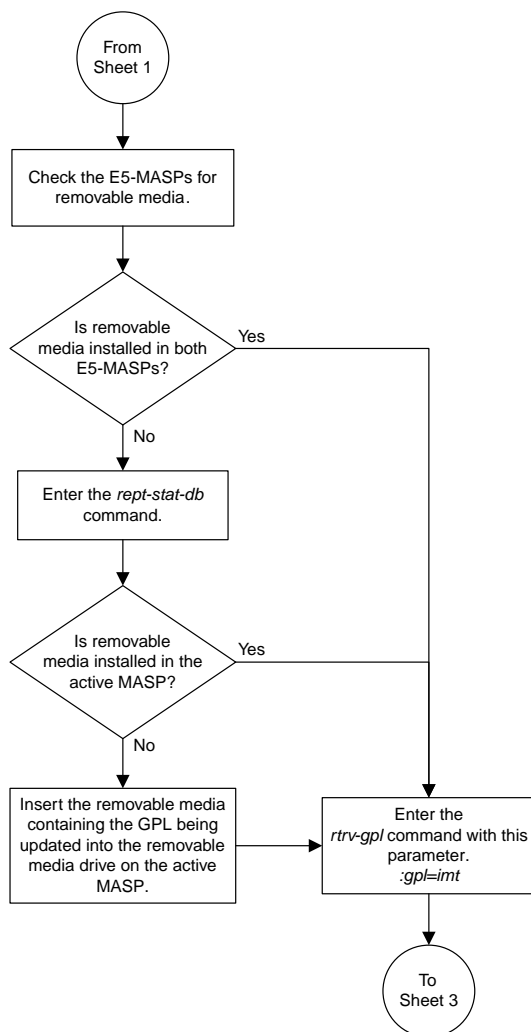
- [Updating the IMT GPL.....1308](#)
- [Updating the EOAM GPL.....1312](#)
- [Updating the BLMCAP and OAMHC GPLs.1315](#)
- [Updating the Signaling Link and Data Link GPLs.....1318](#)
- [Updating the Service GPLs.....1323](#)
- [Updating the Flash GPLs.....1330](#)
- [Updating the BPHMUX GPL.....1340](#)
- [Updating the HIPR GPL.....1345](#)
- [Updating the HIPR2 GPL.....1350](#)
- [Making the Trial Utility GPL the Approved Utility GPL.....1355](#)
- [Reloading the TDM LCA Clock Bitfile.....1358](#)
- [Activating the HIPR2 High Rate Mode Feature.....1361](#)
- [Turning the HIPR2 High Rate Mode Feature Off.....1366](#)
- [Updating the BLIXP GPL.....1367](#)
- [Updating a High-Capacity Card to Run the BLIXP GPL.....1374](#)

This chapter contains the flowcharts for the procedures that are used for managing the system data (GPLs). These procedures are located in the *Database Administration Manual - System Management*.

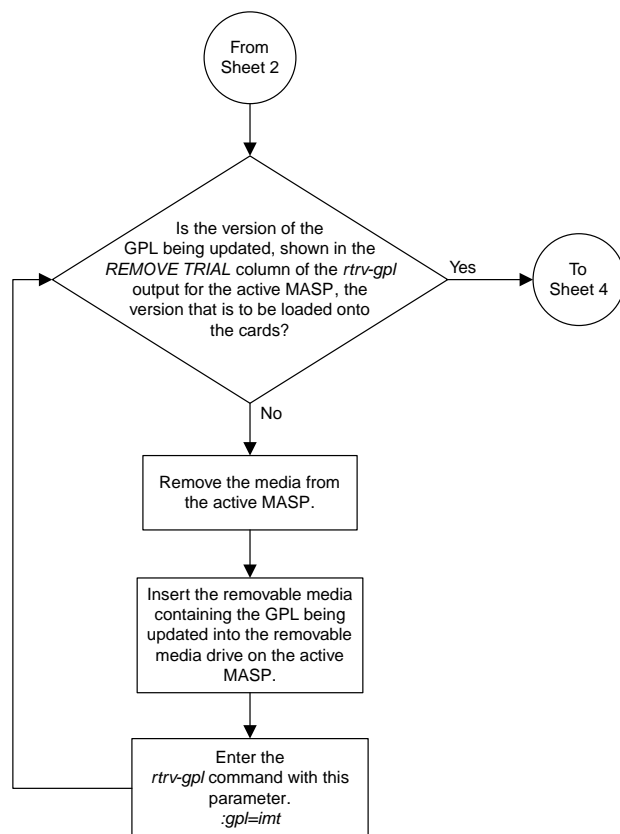
## Updating the IMT GPL



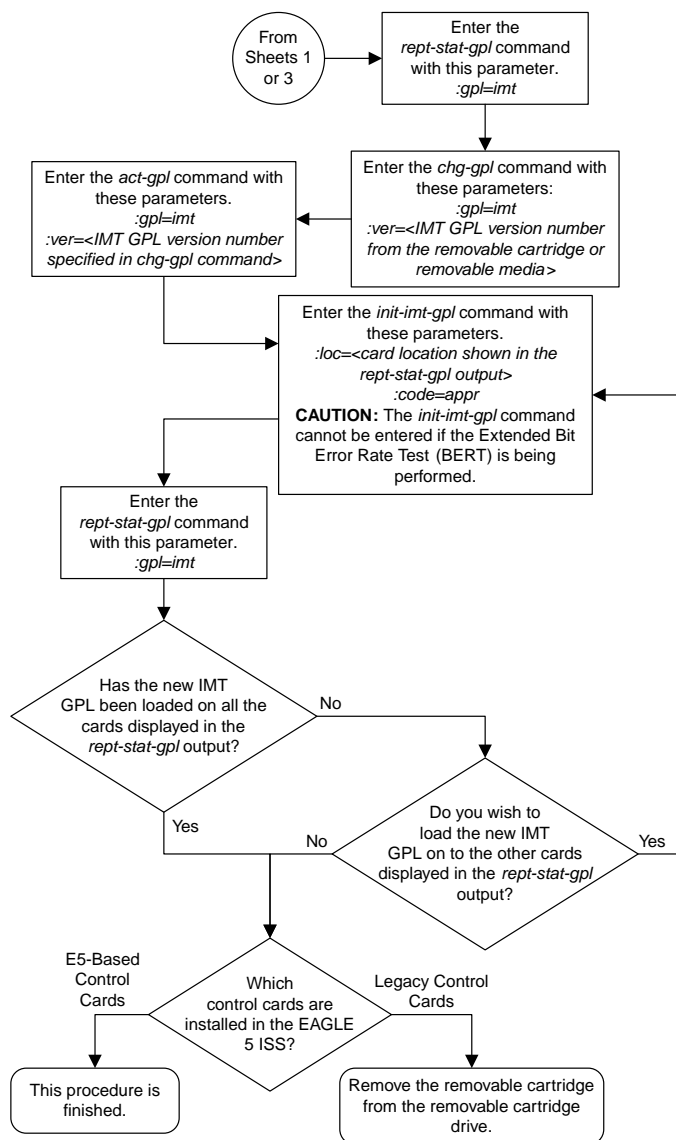
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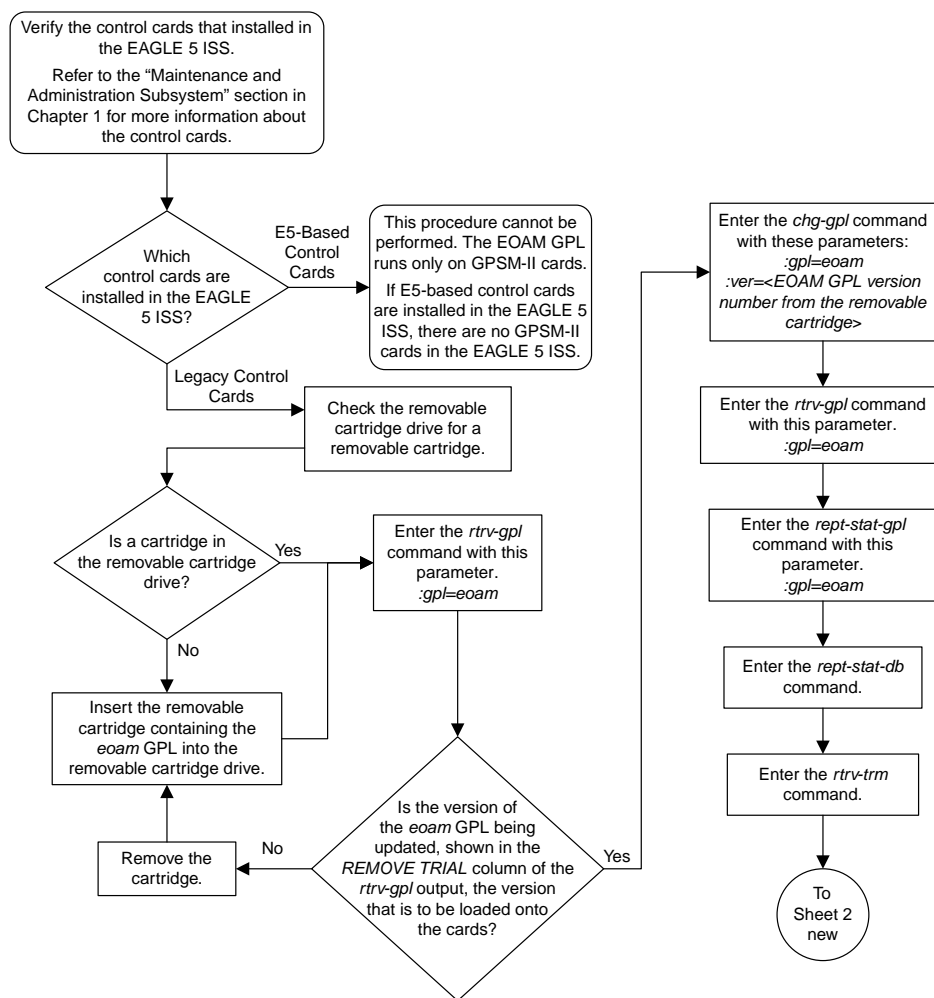
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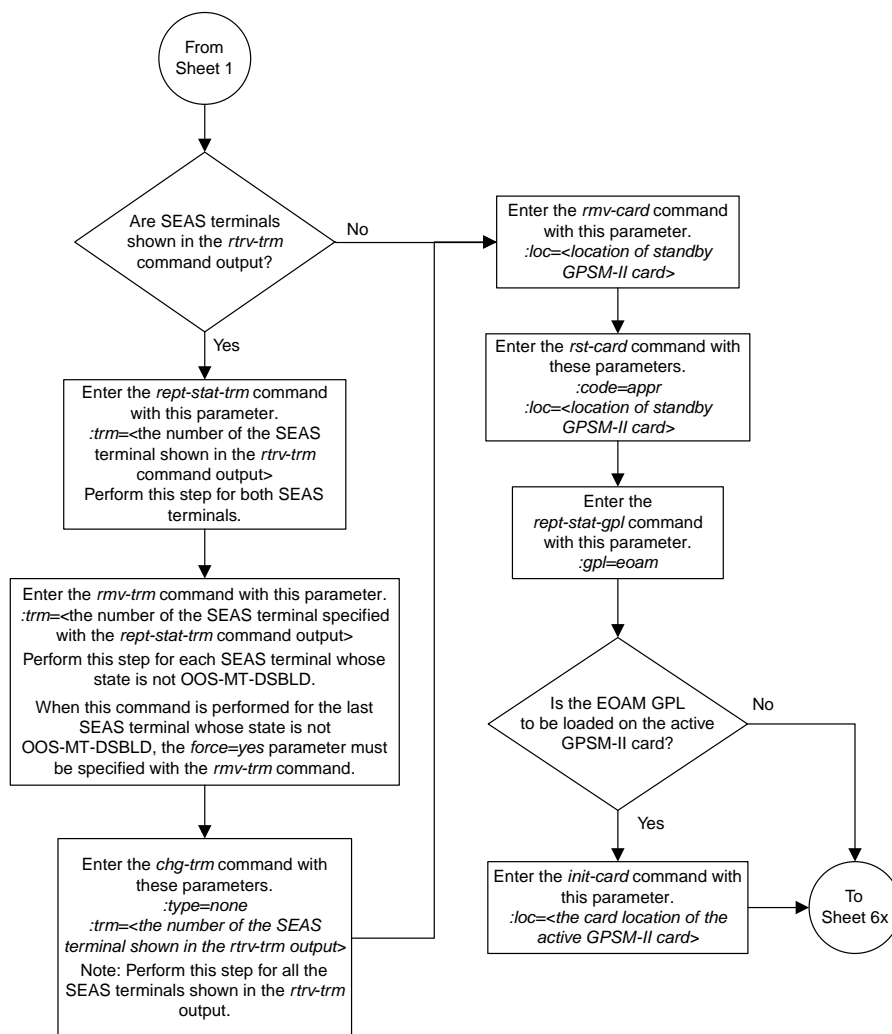
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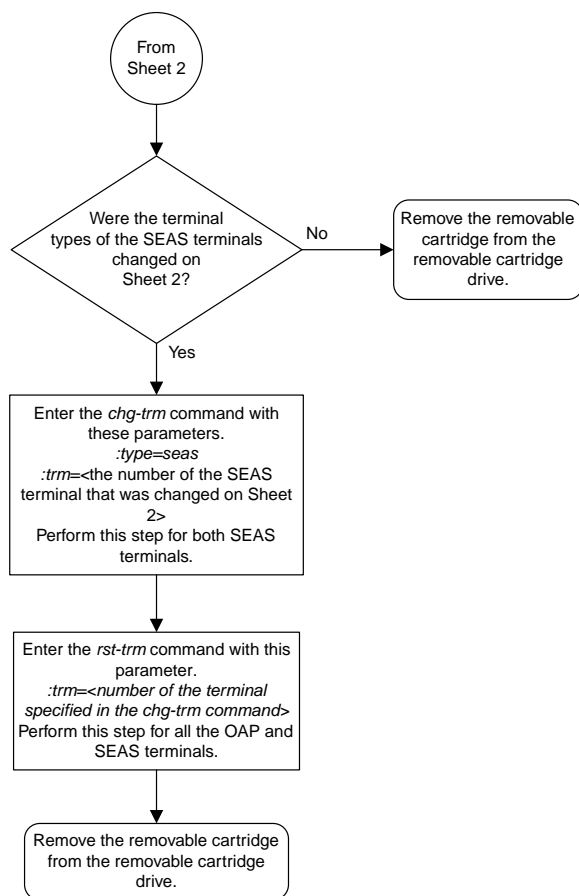
## Updating the EOAM GPL



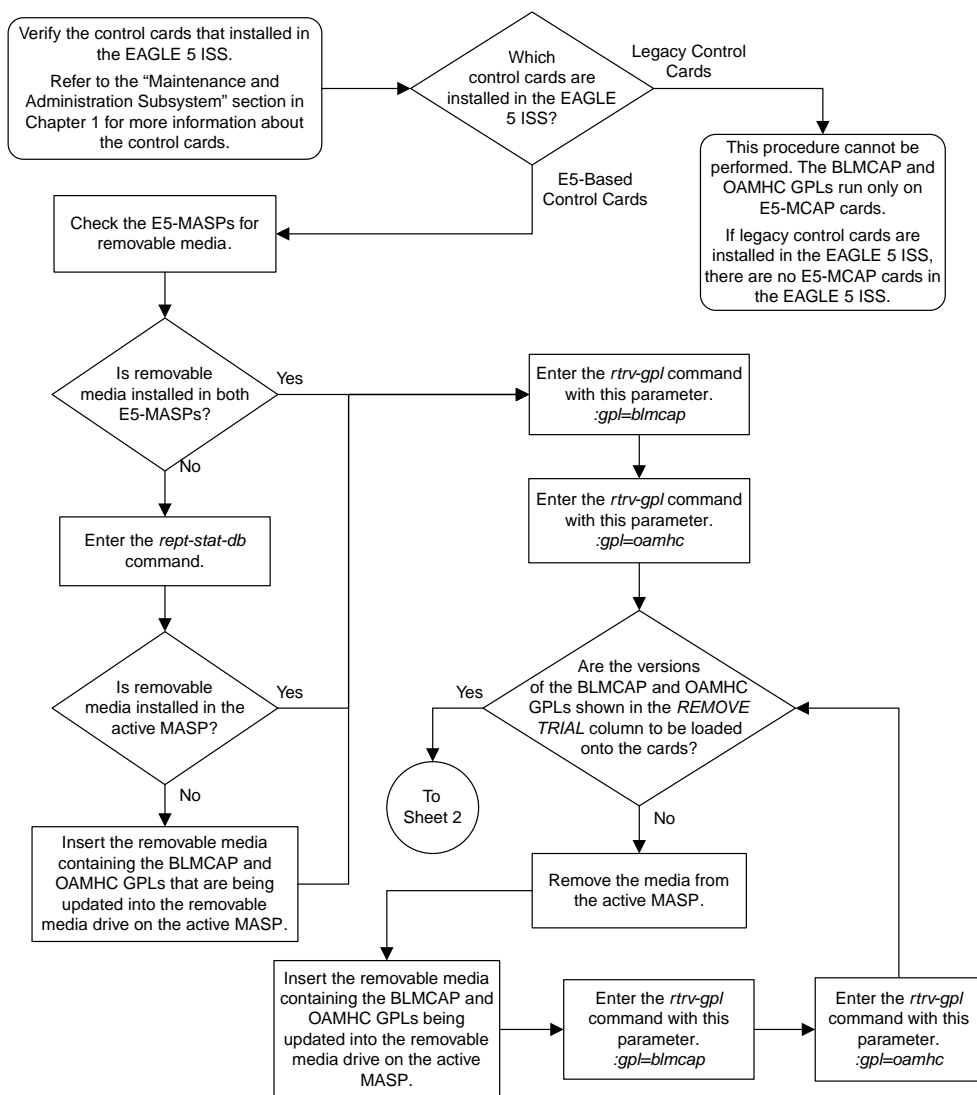




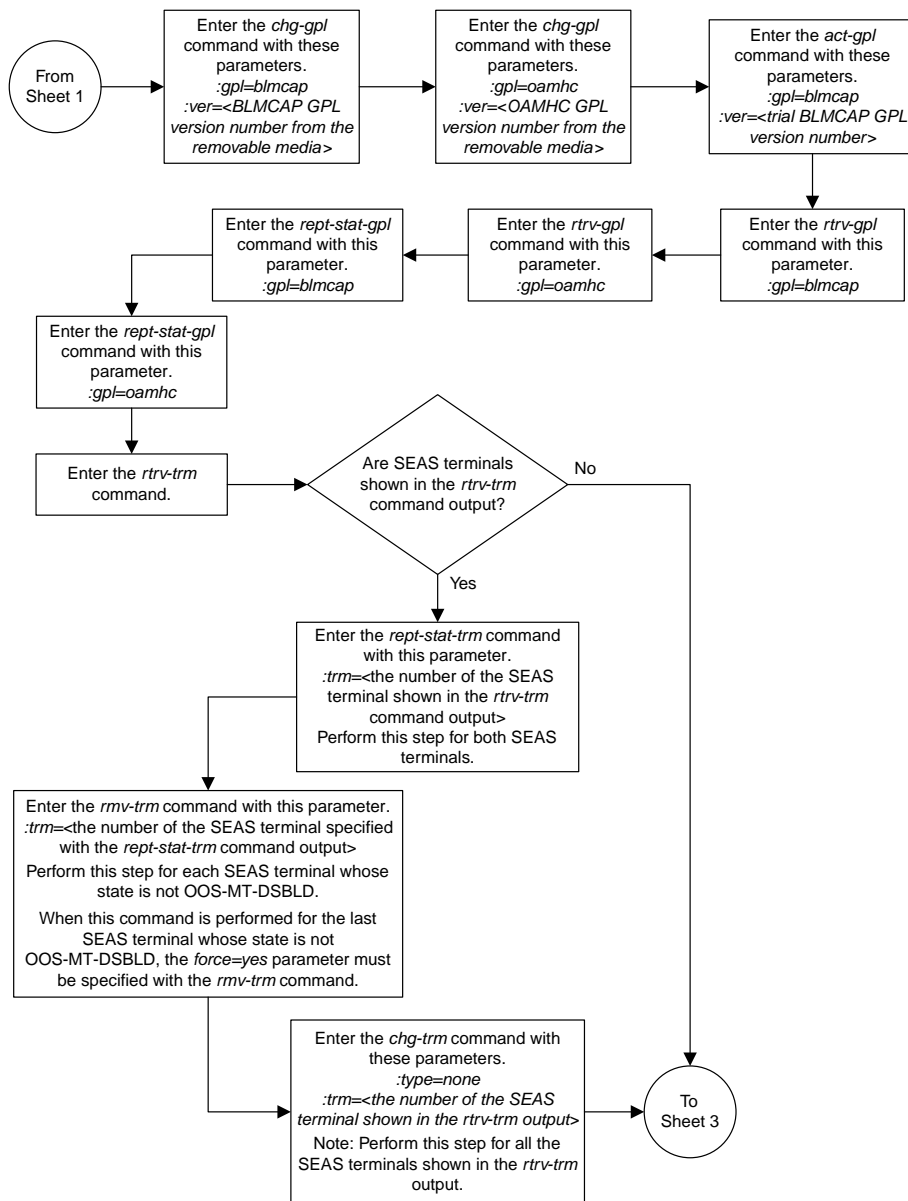
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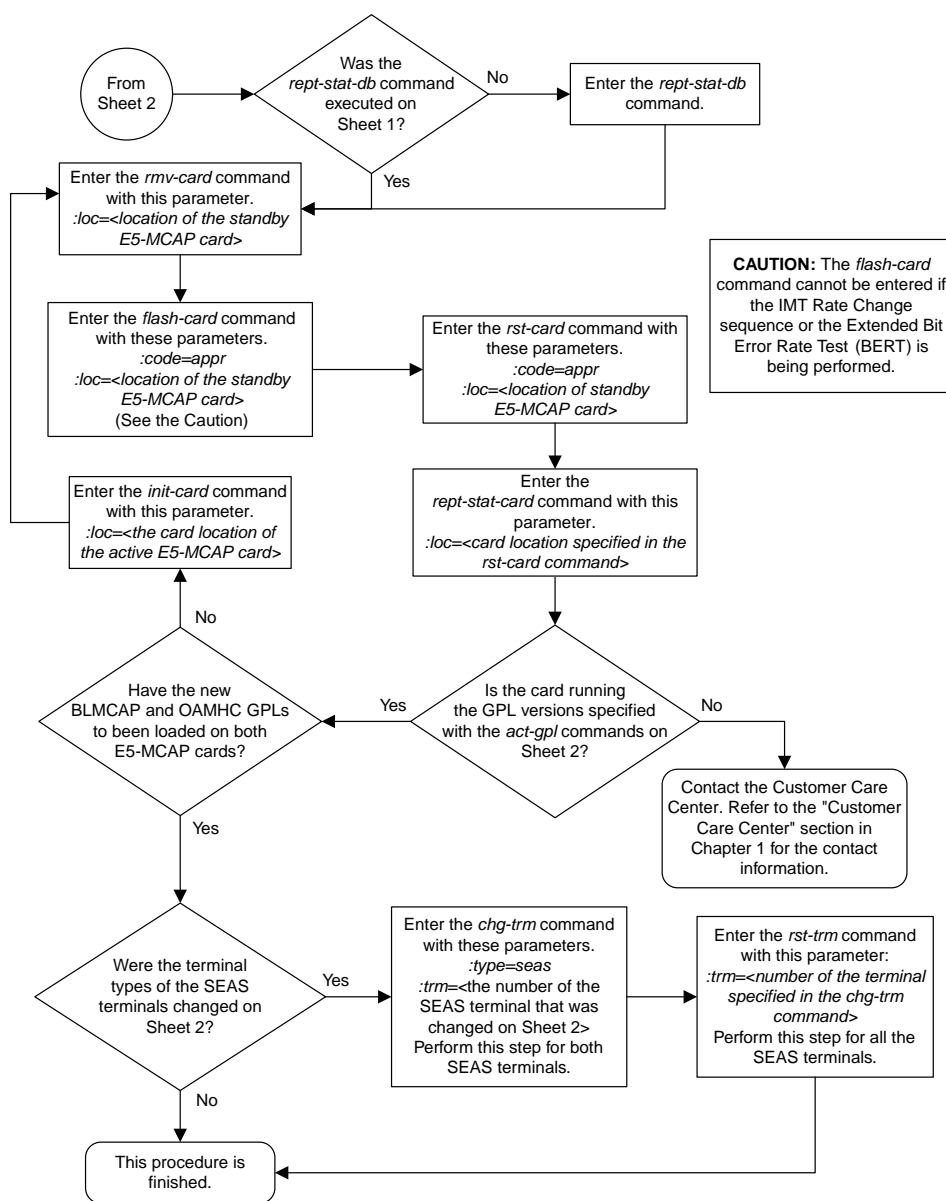
## Updating the BLMCAP and OAMHC GPLs



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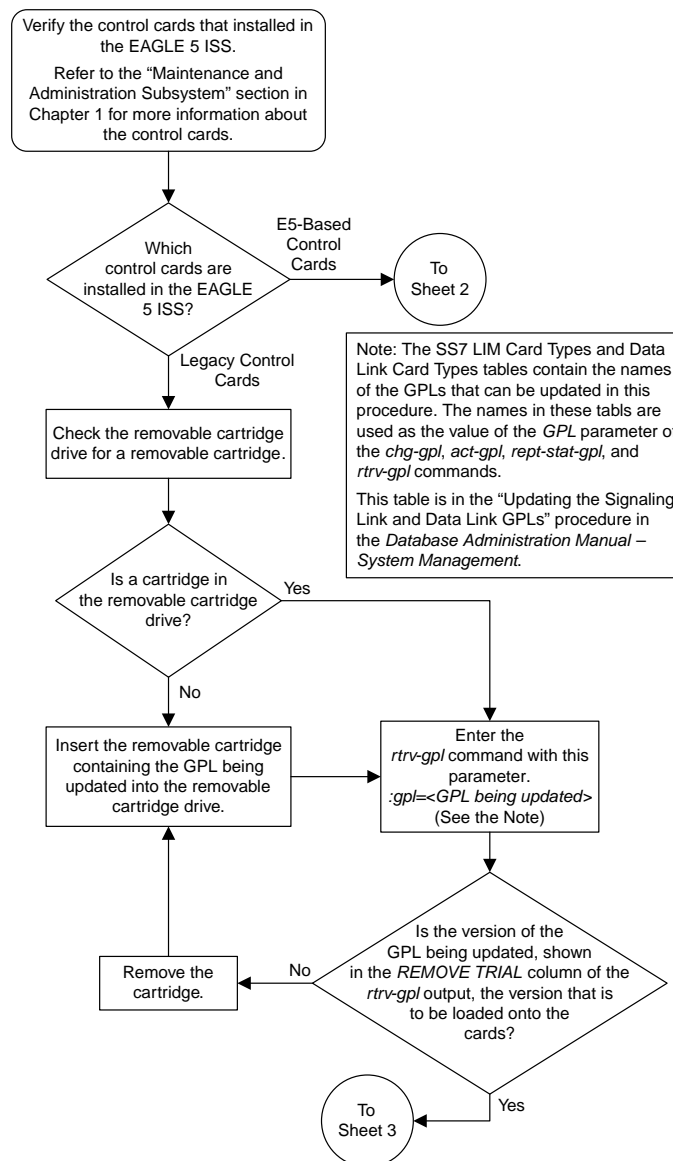


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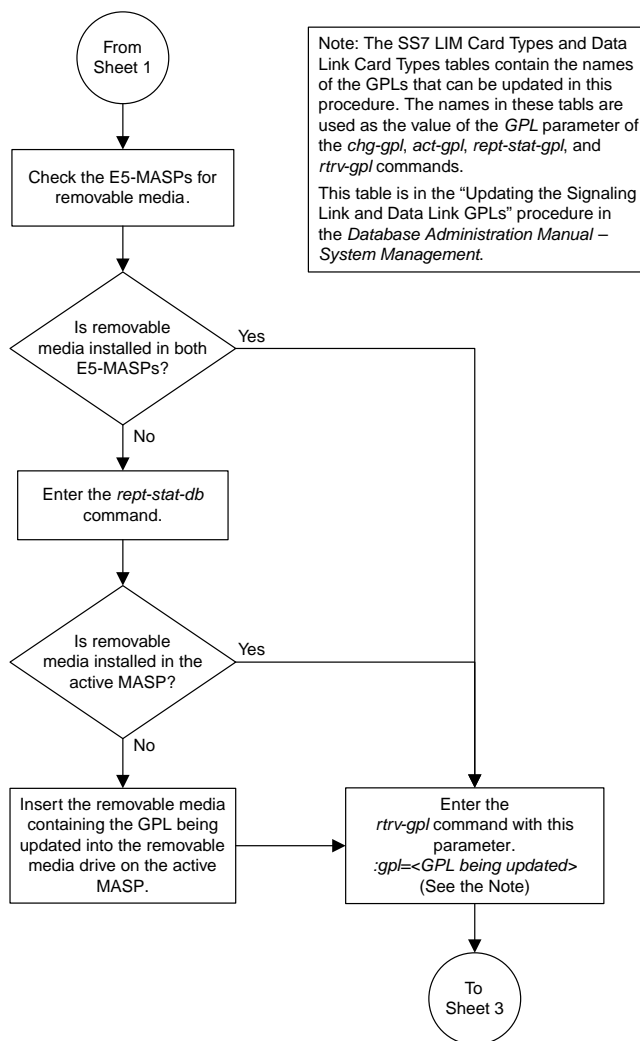


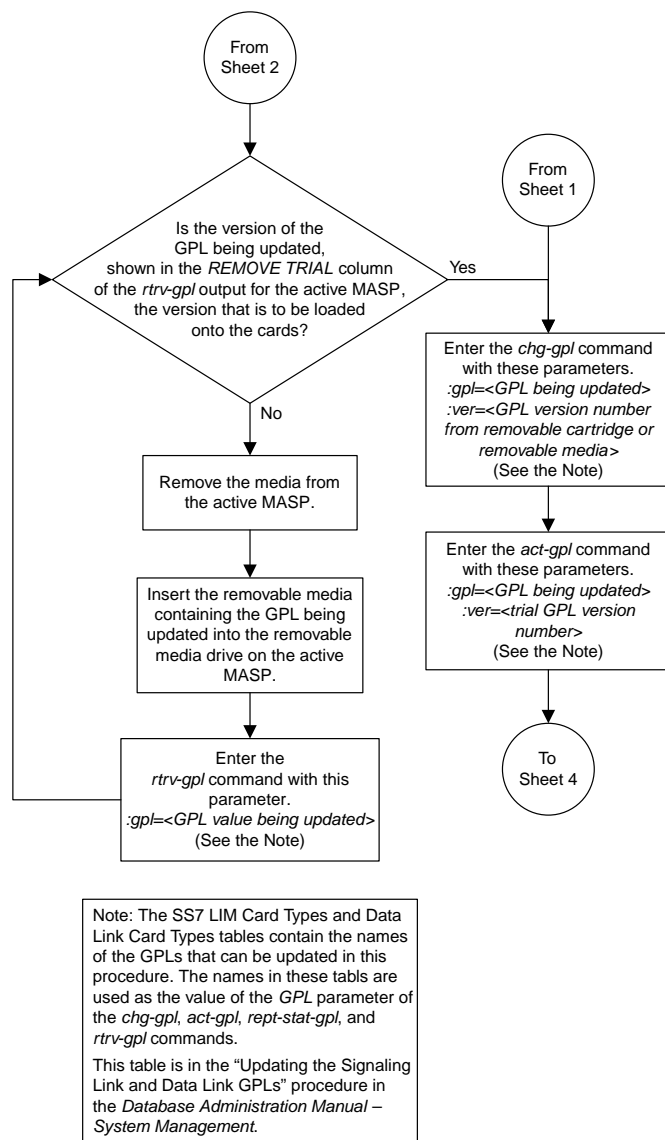
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## Updating the Signaling Link and Data Link GPLs

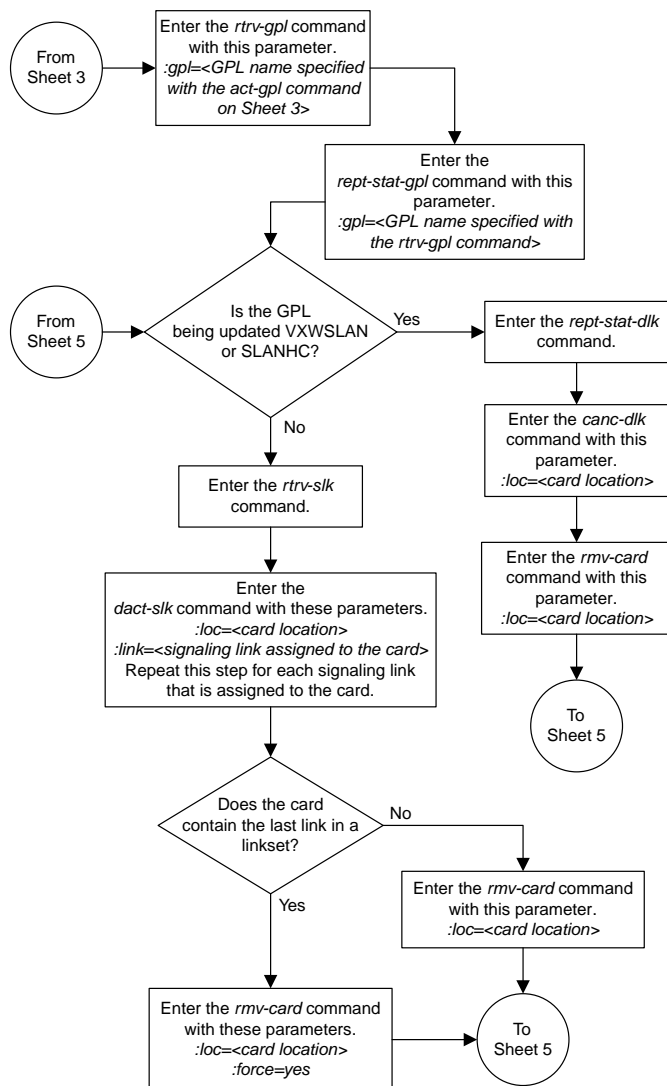


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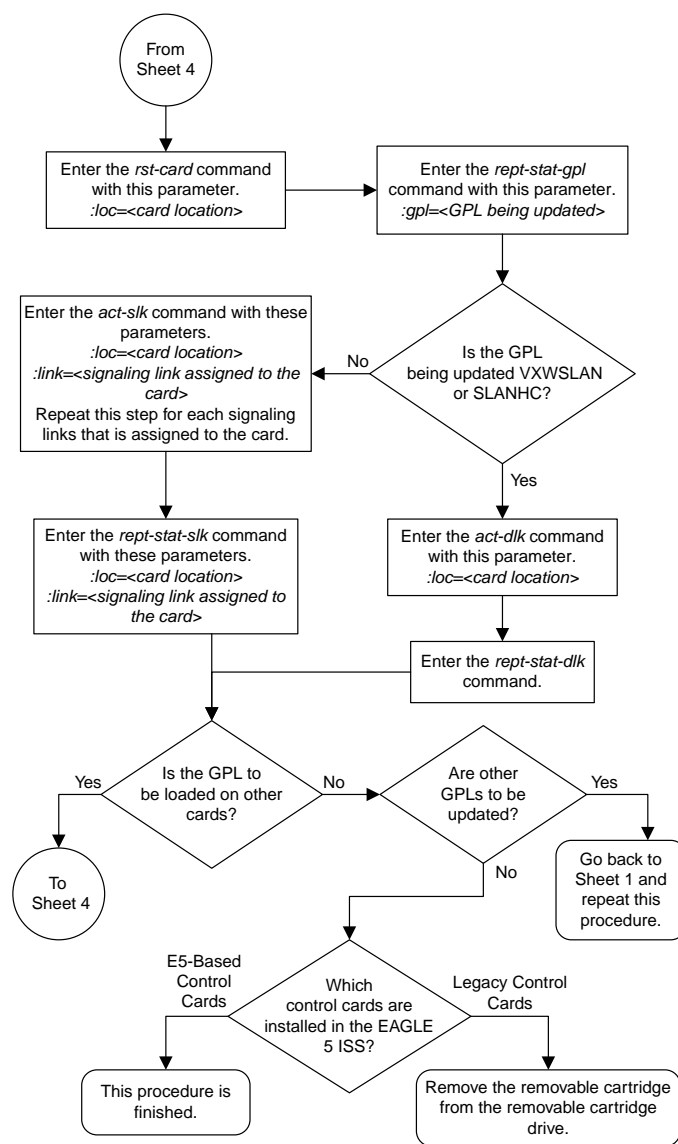






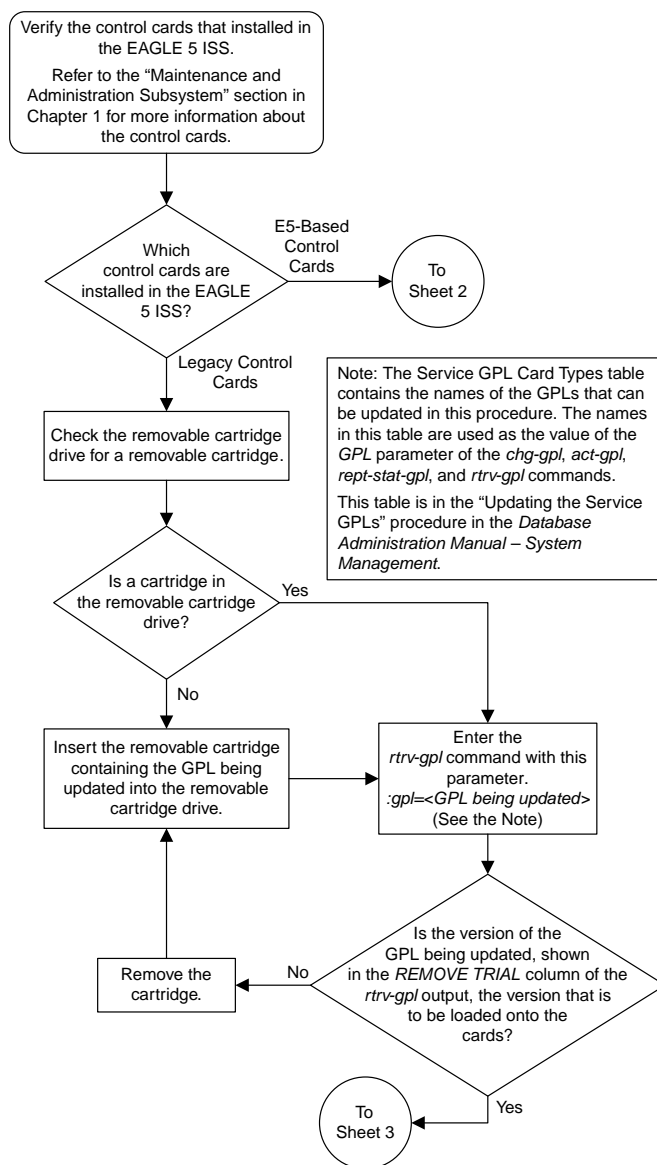


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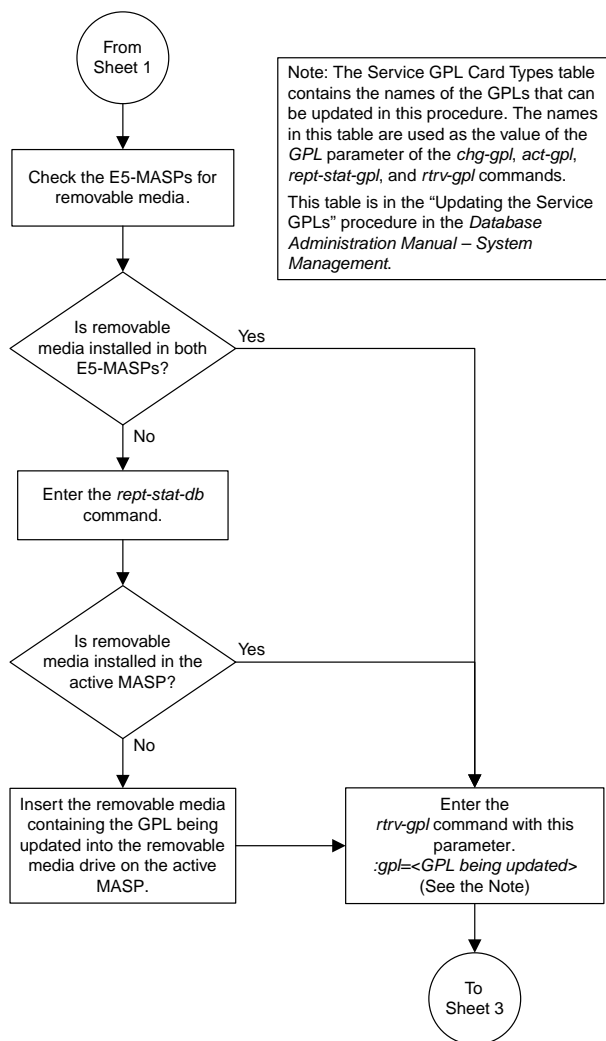


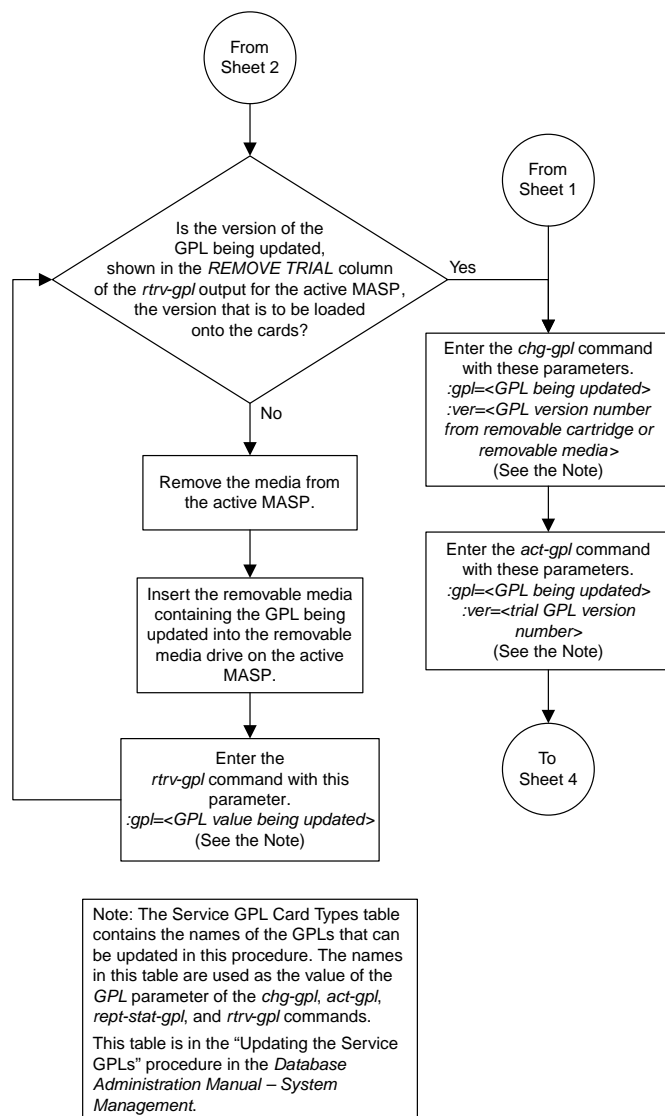
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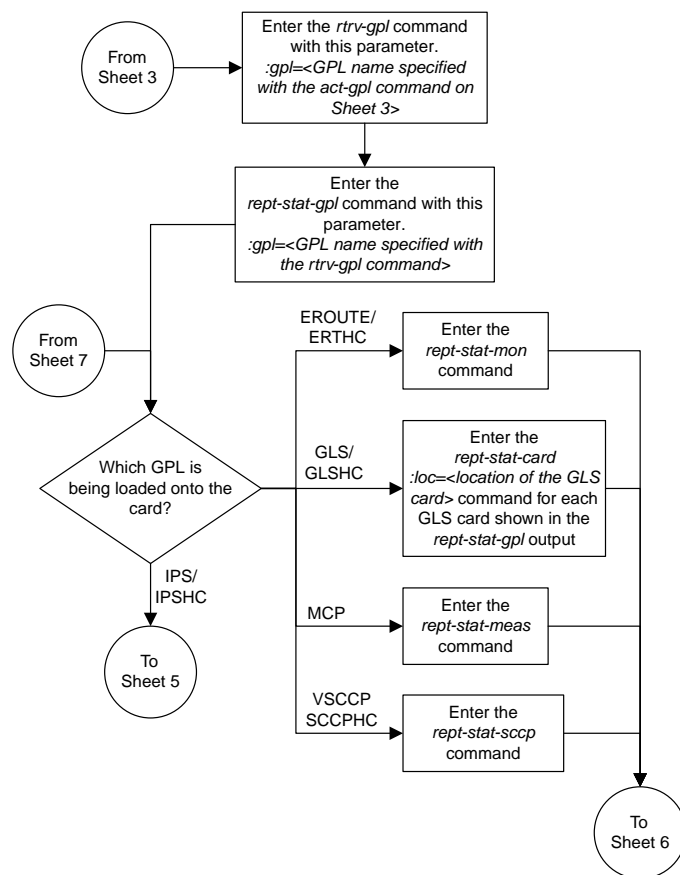
## Updating the Service GPLs



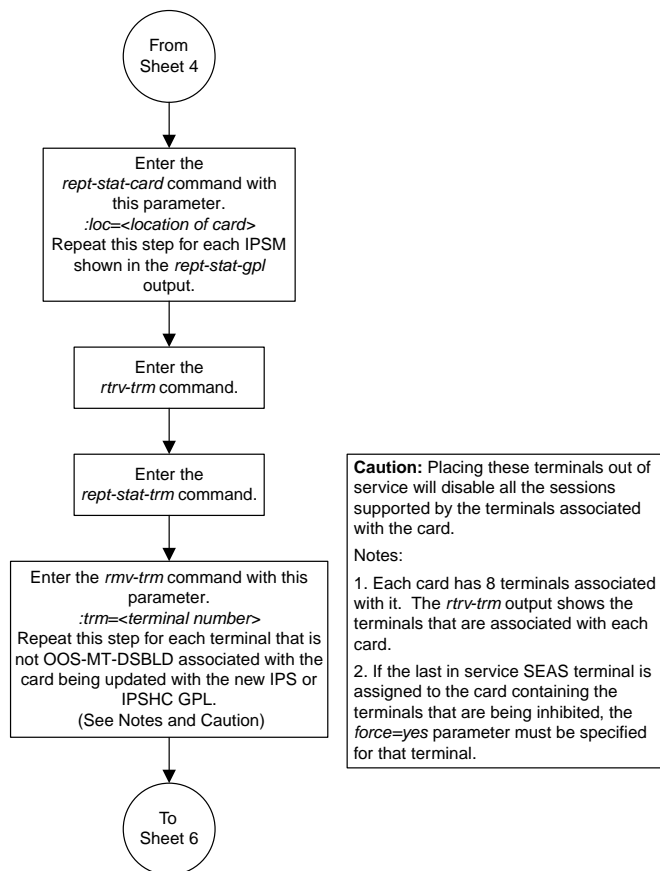
Sheet 1 of 7



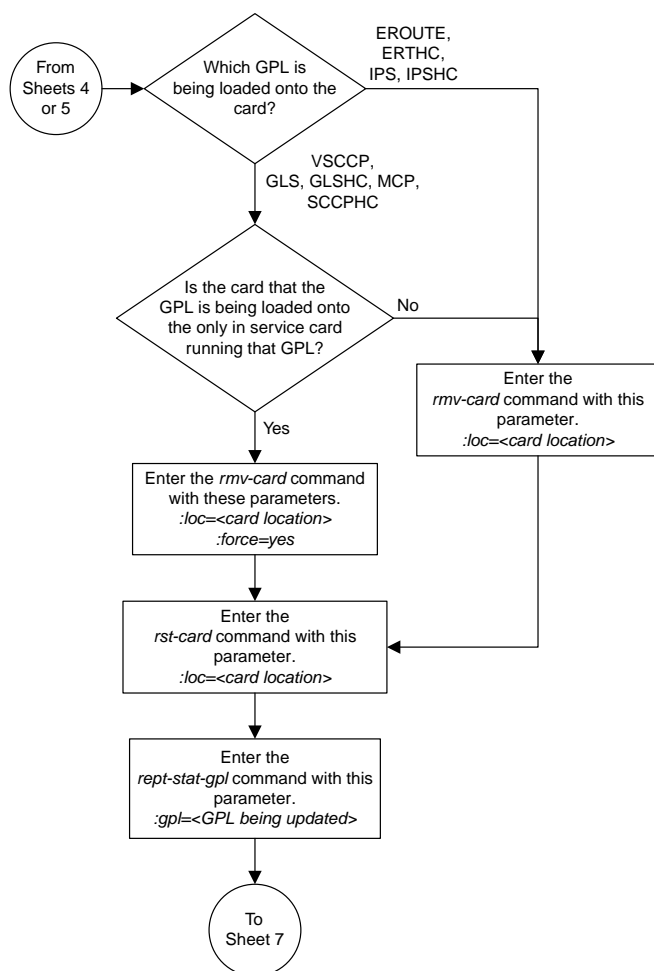




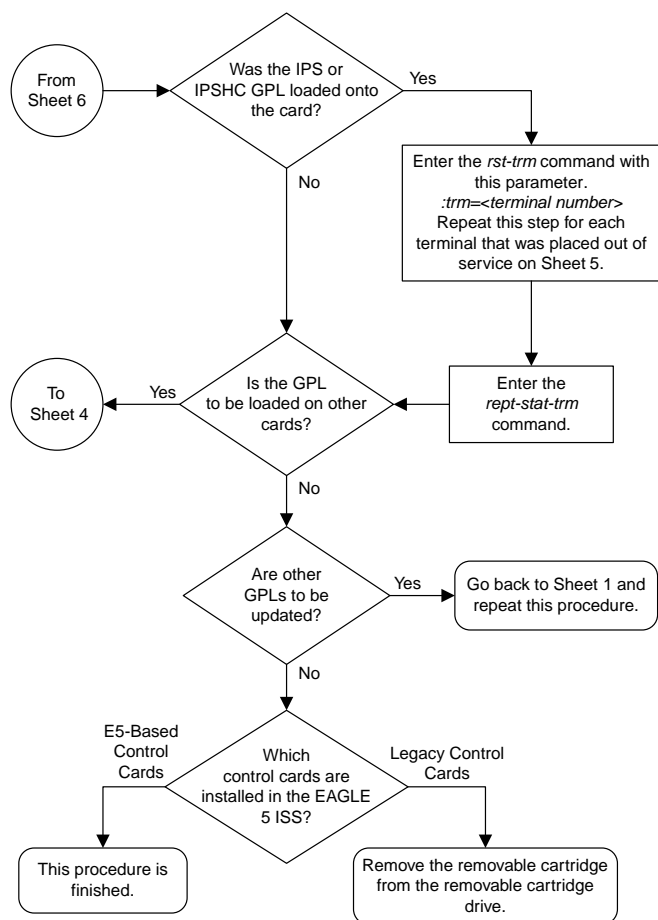
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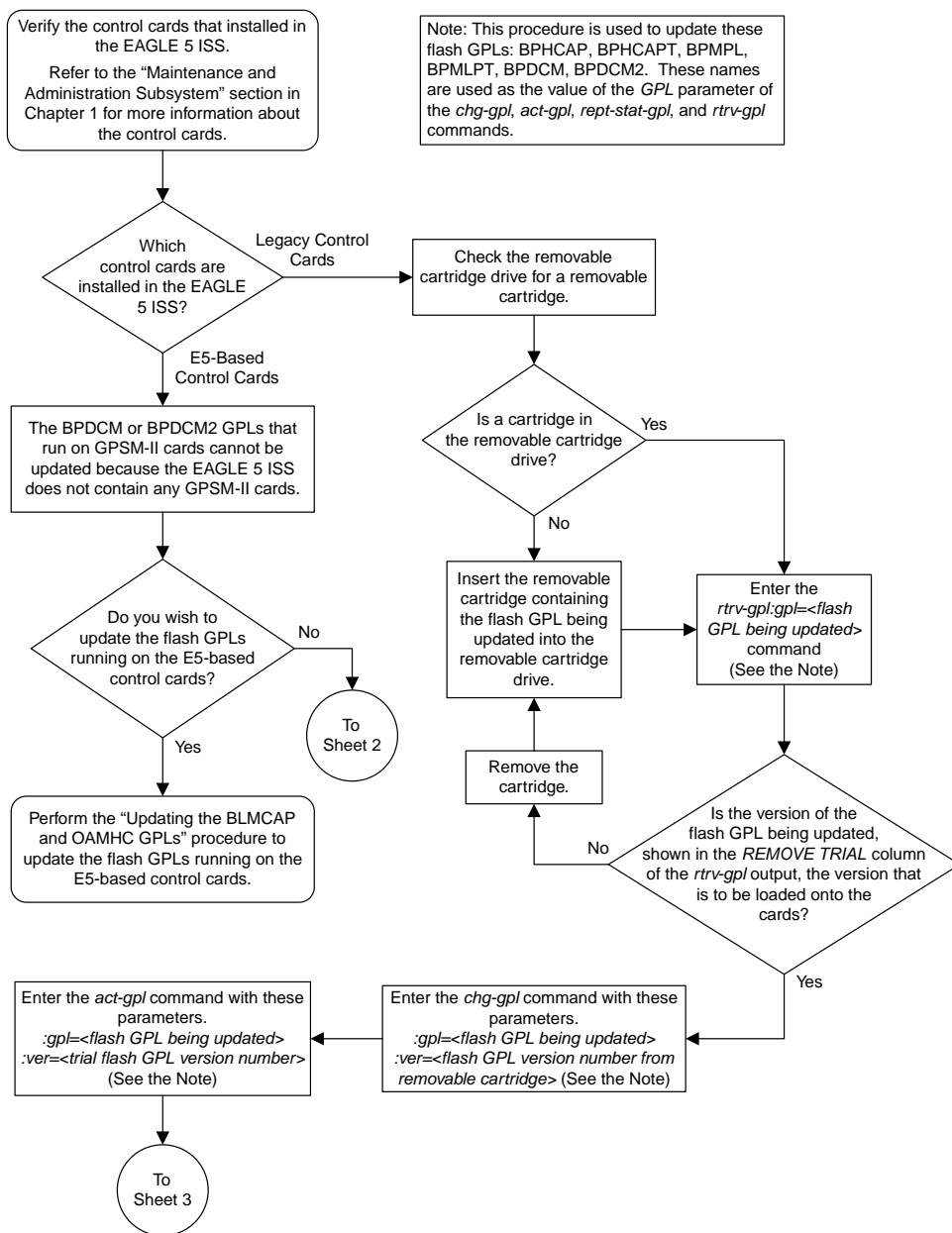
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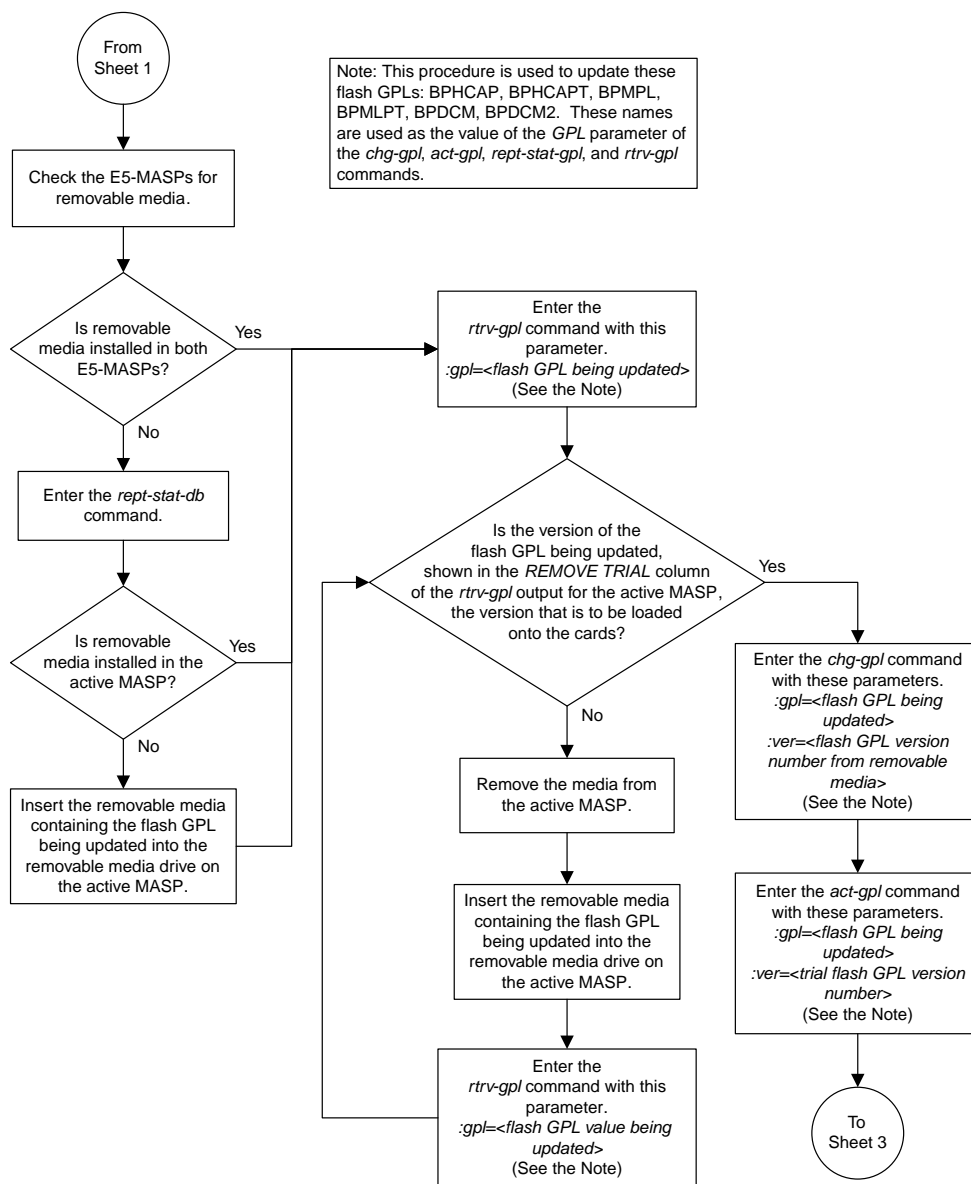




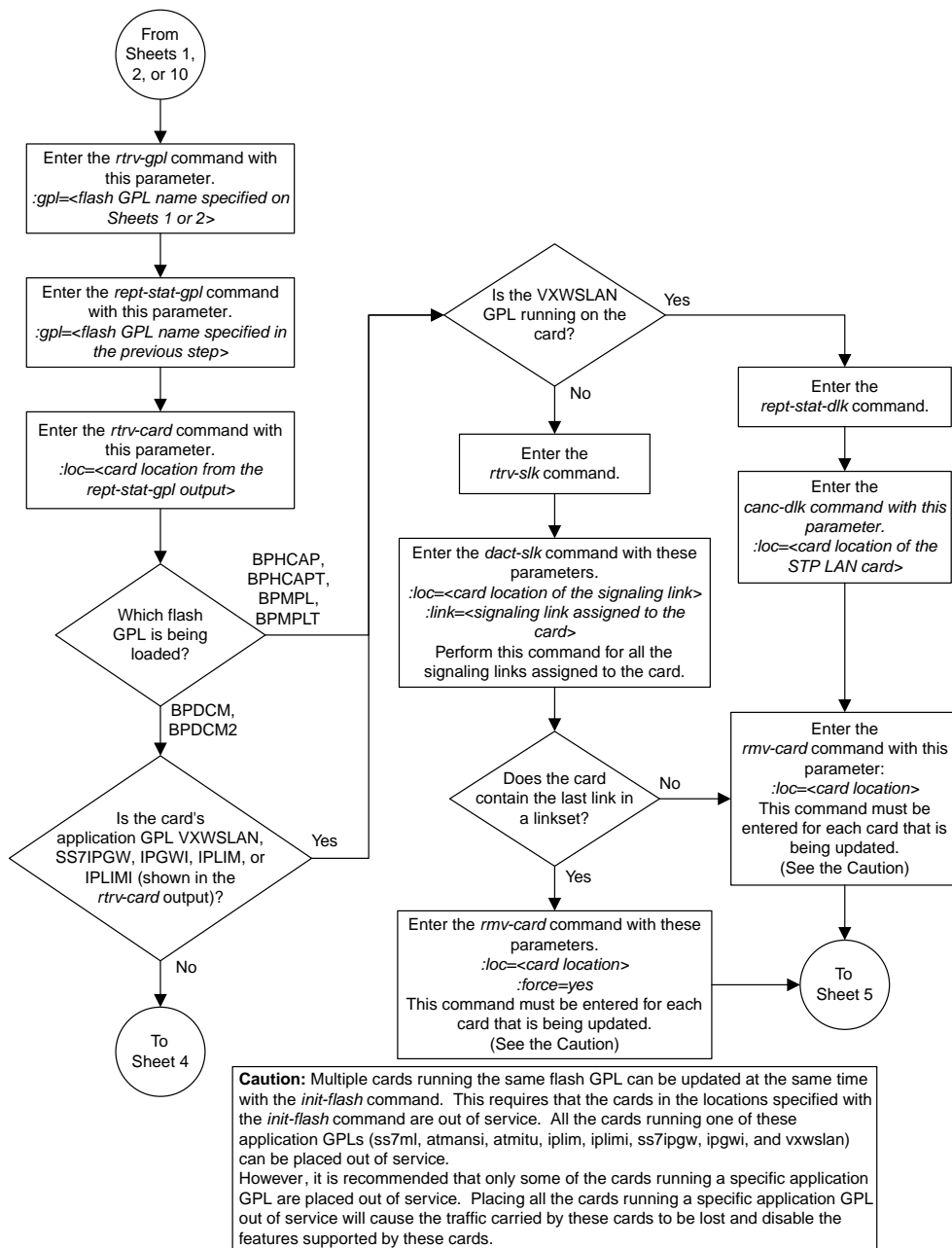
## Updating the Flash GPLs

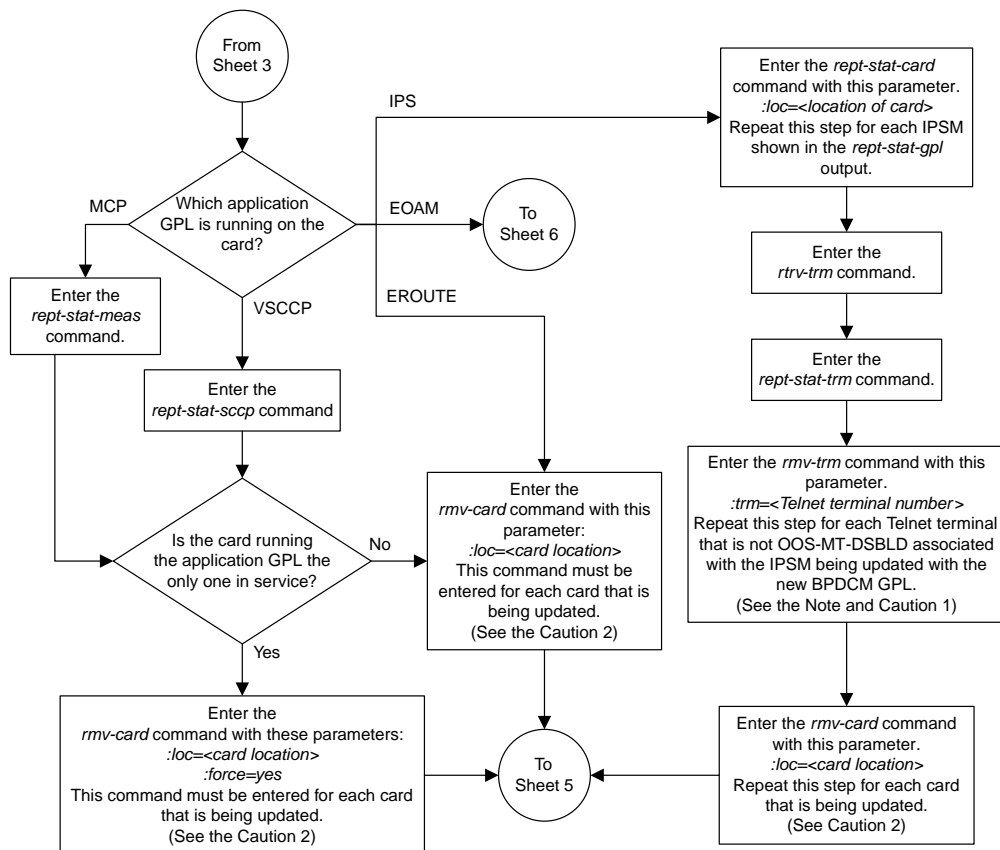


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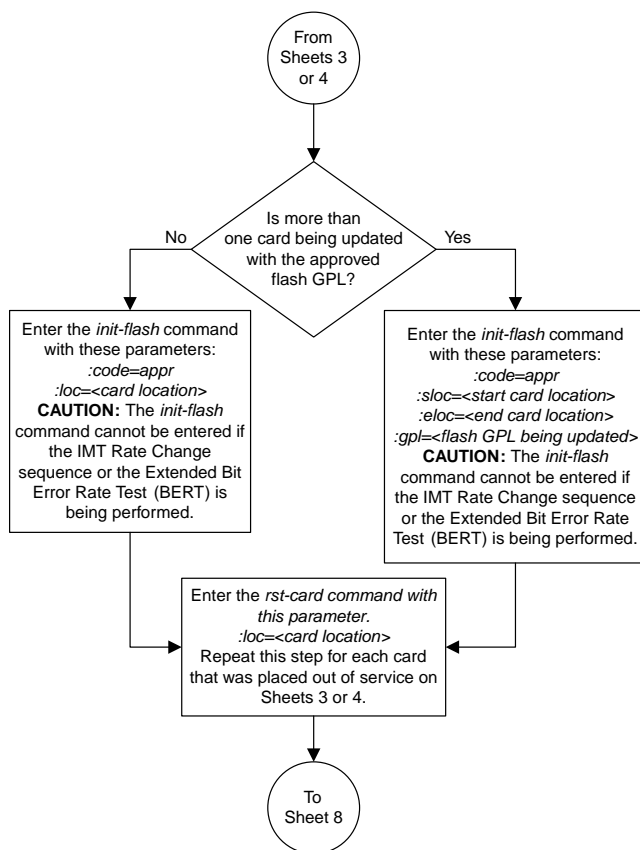


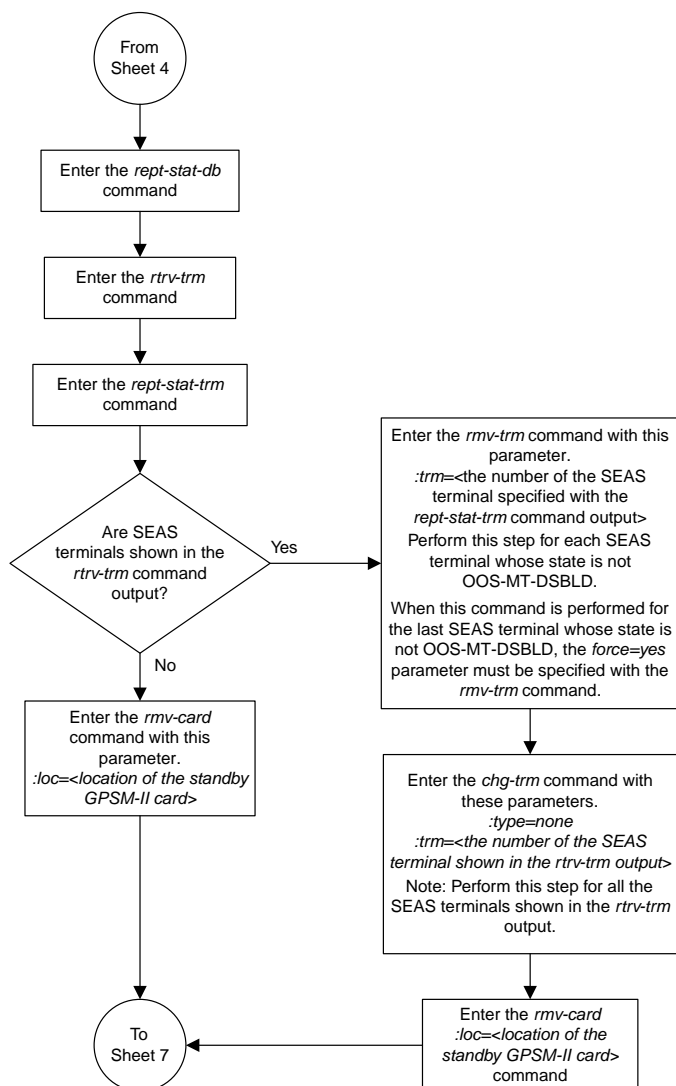


**Note:** Each IPSM has 8 Telnet terminals associated with it. The *rtrv-trm* output shows the Telnet terminals that are associated with each IPSM.

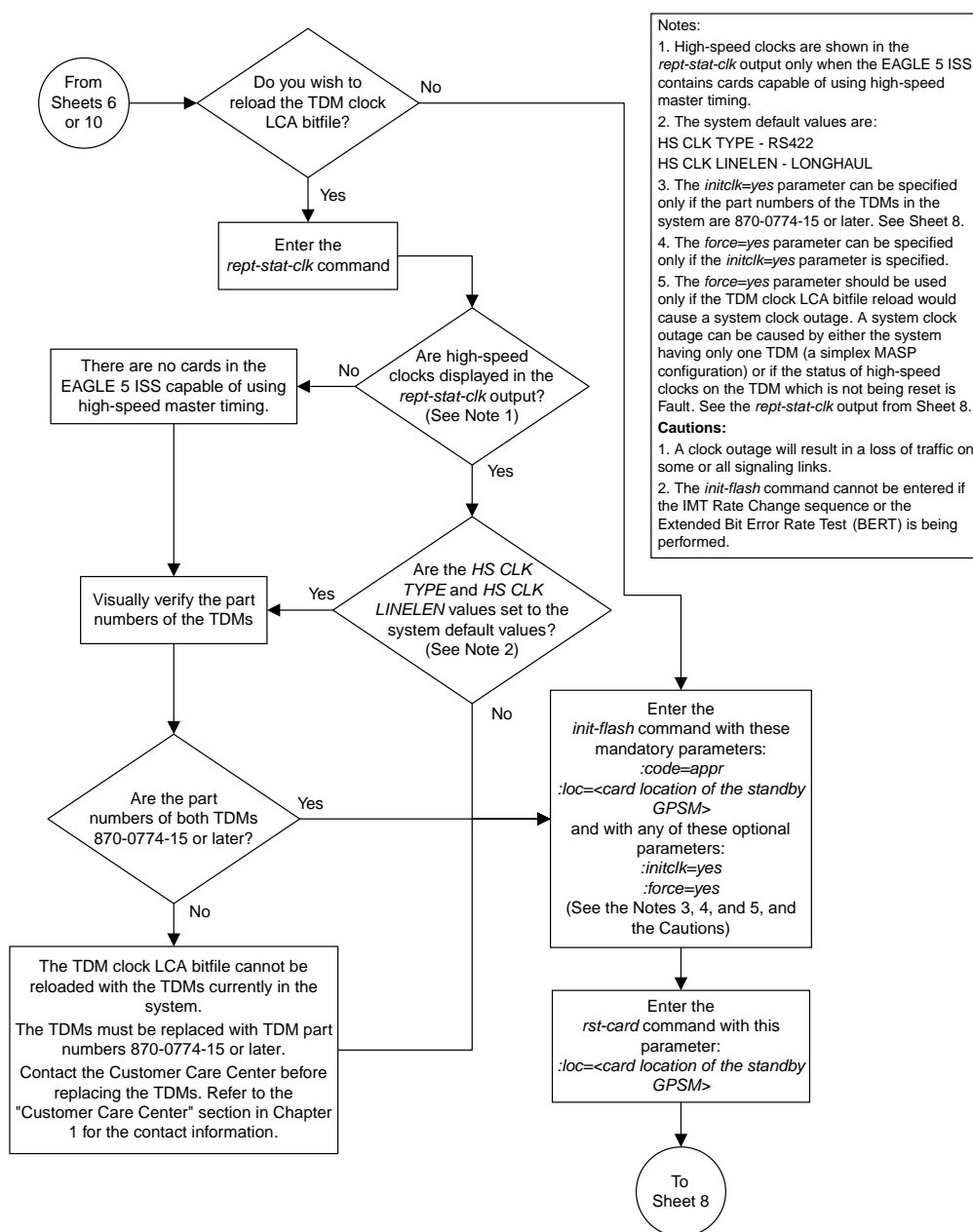
**Cautions:**

1. Placing the Telnet terminals out of service will disable all Telnet sessions supported by the terminals associated with the IPSM.
2. Multiple cards running the same flash GPL can be updated at the same time with the *init-flash* command. This requires that the cards in the locations specified with the *init-flash* command are out of service. All the cards running a one of these application GPLs (vsccp, mcp, eroute, ips) can be placed out of service. However, it is recommended that only some of the cards running a specific application GPL are placed out of service. Placing all the cards running a specific application GPL out of service will cause the traffic carried by these cards to be lost and disable the features supported by these cards.

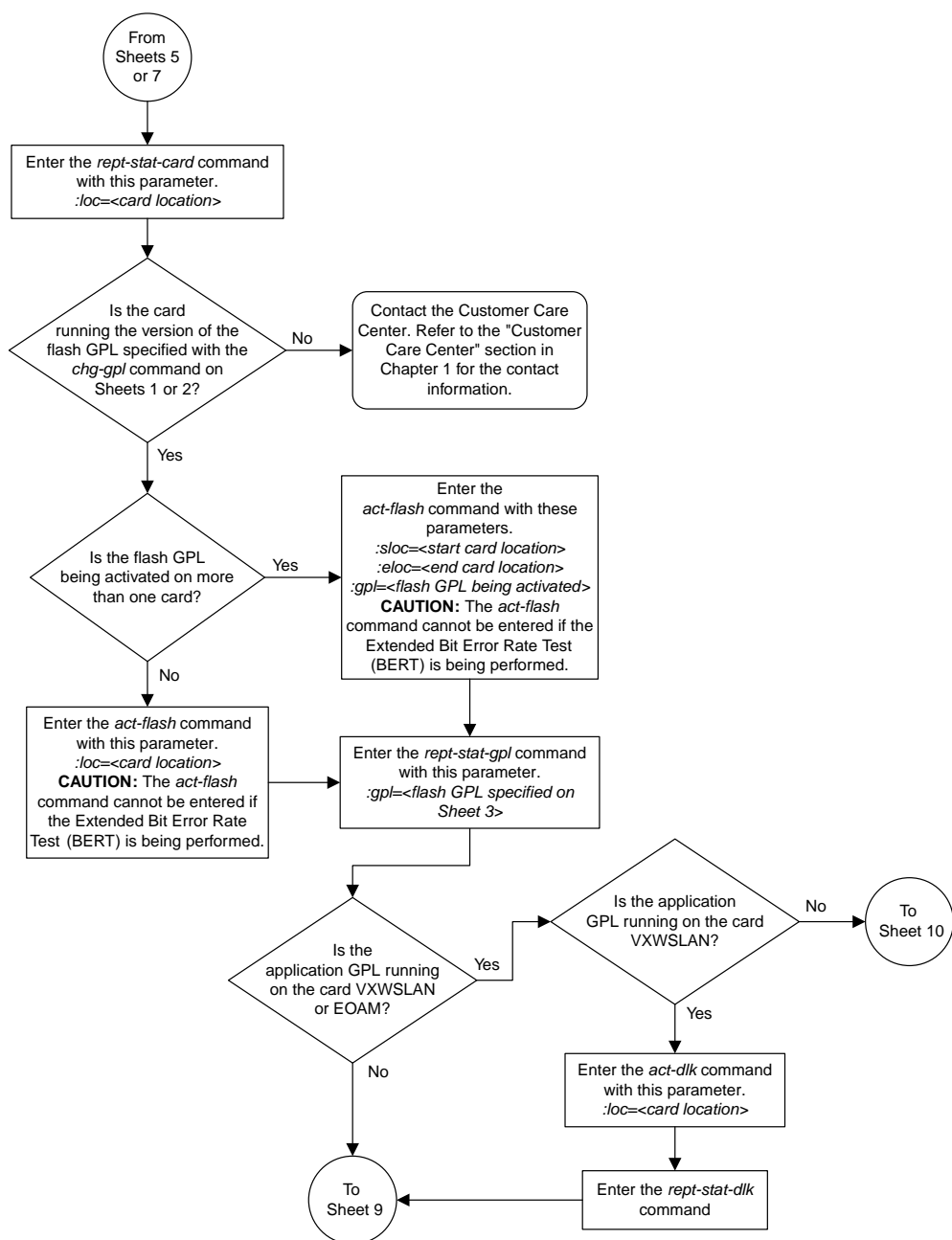




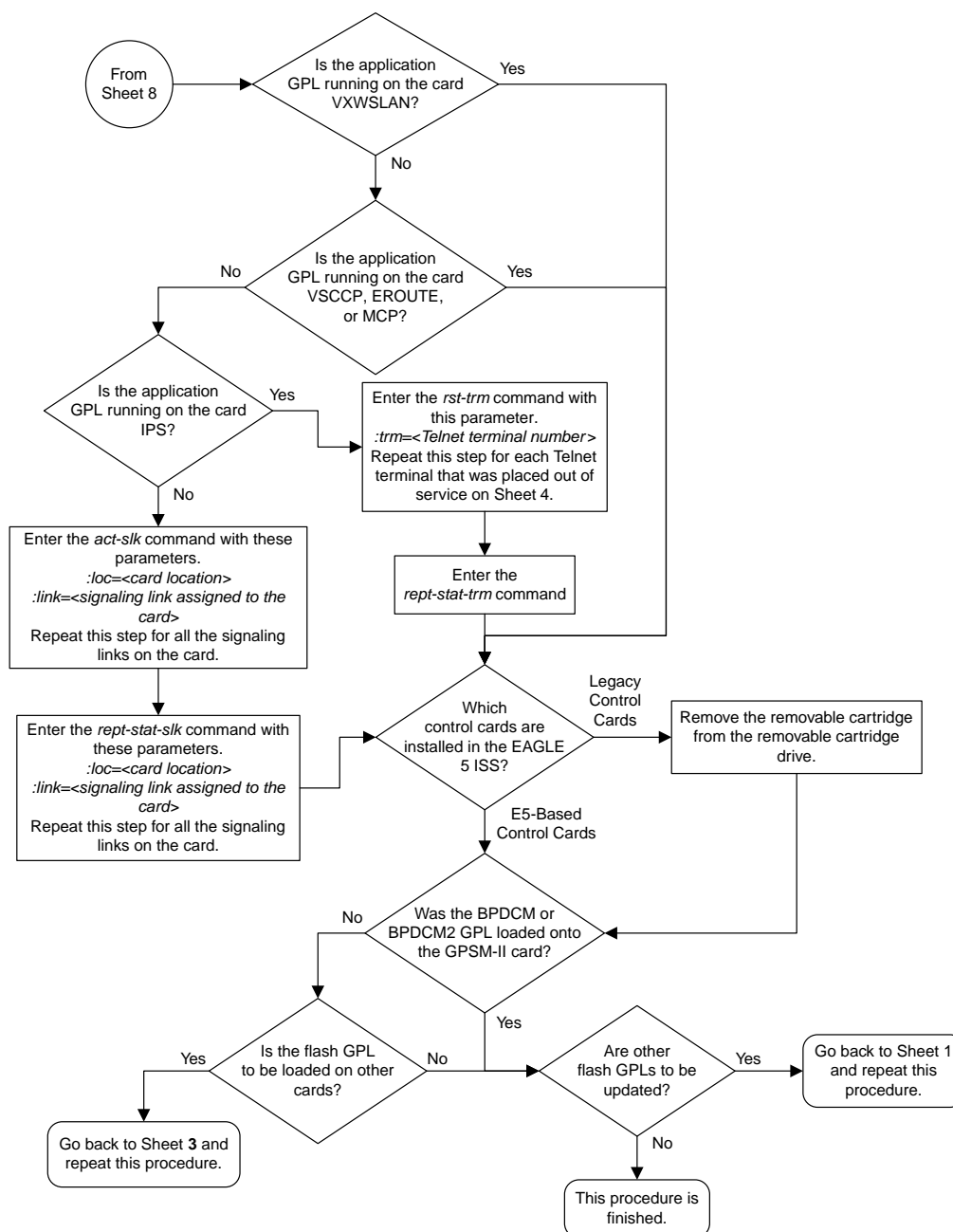
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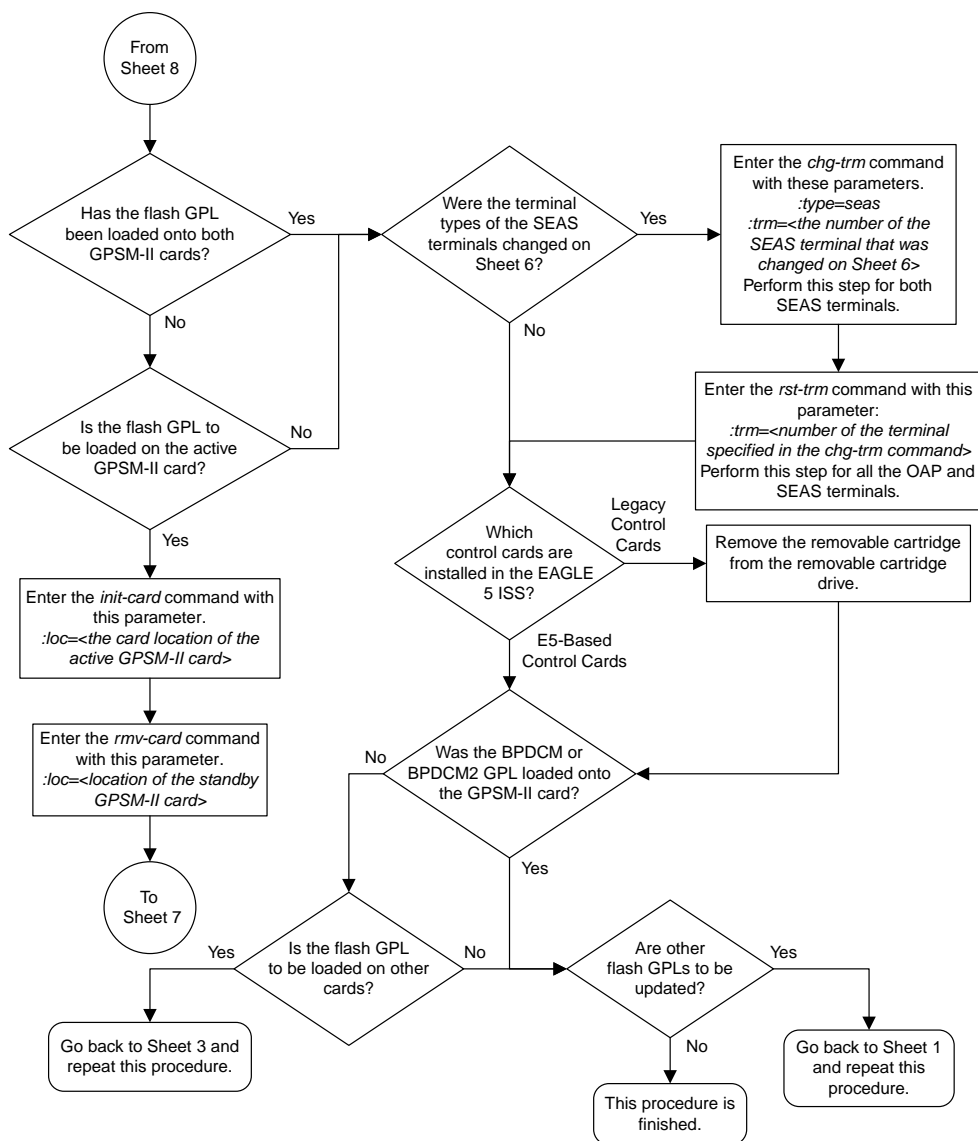




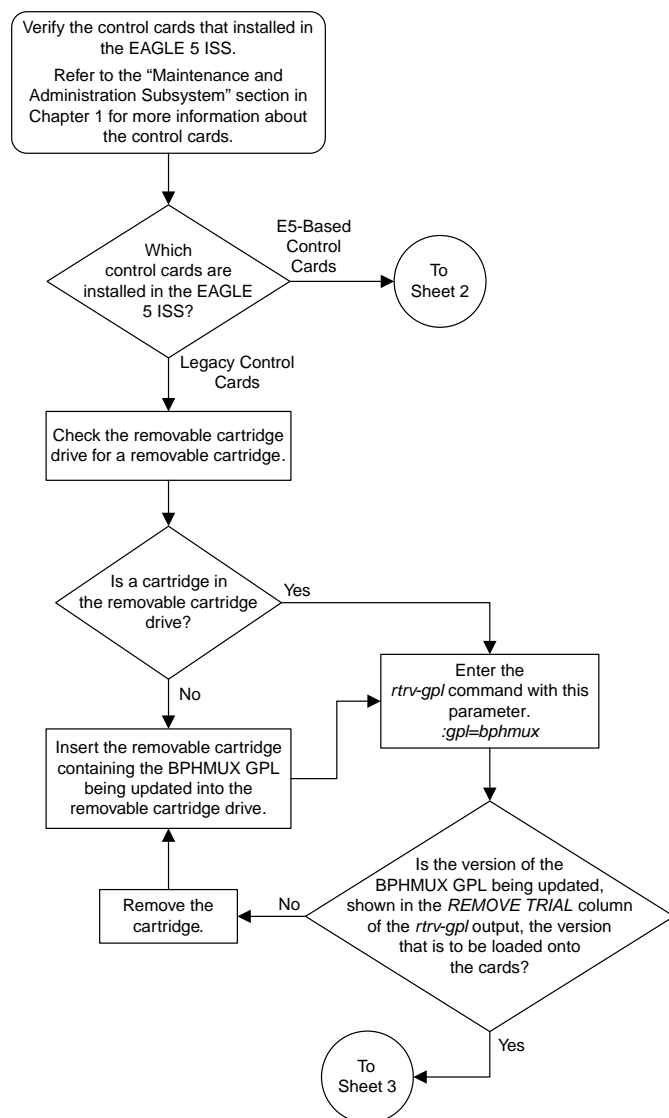
Sheet 8 of 10



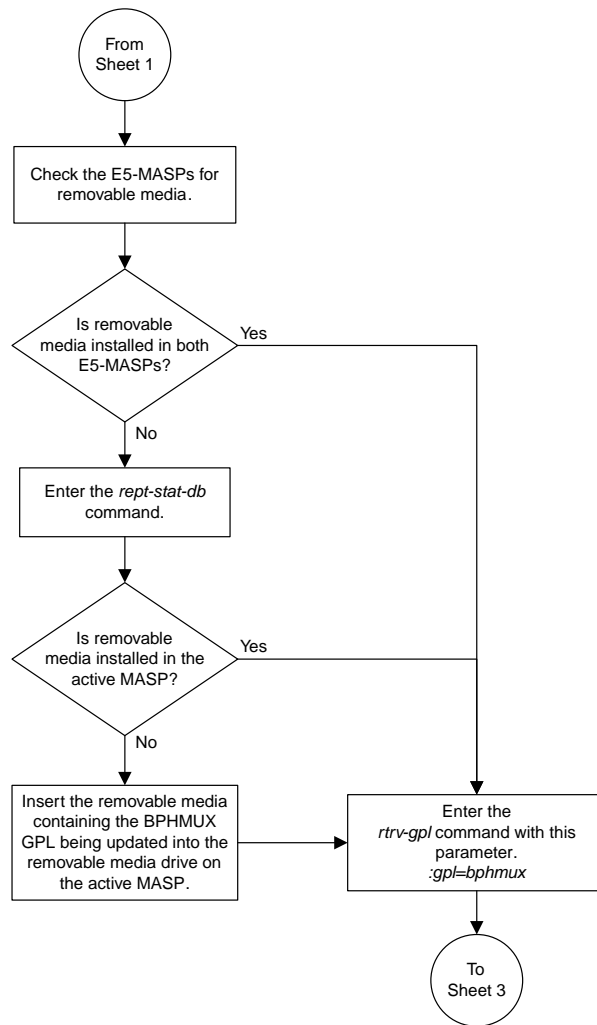
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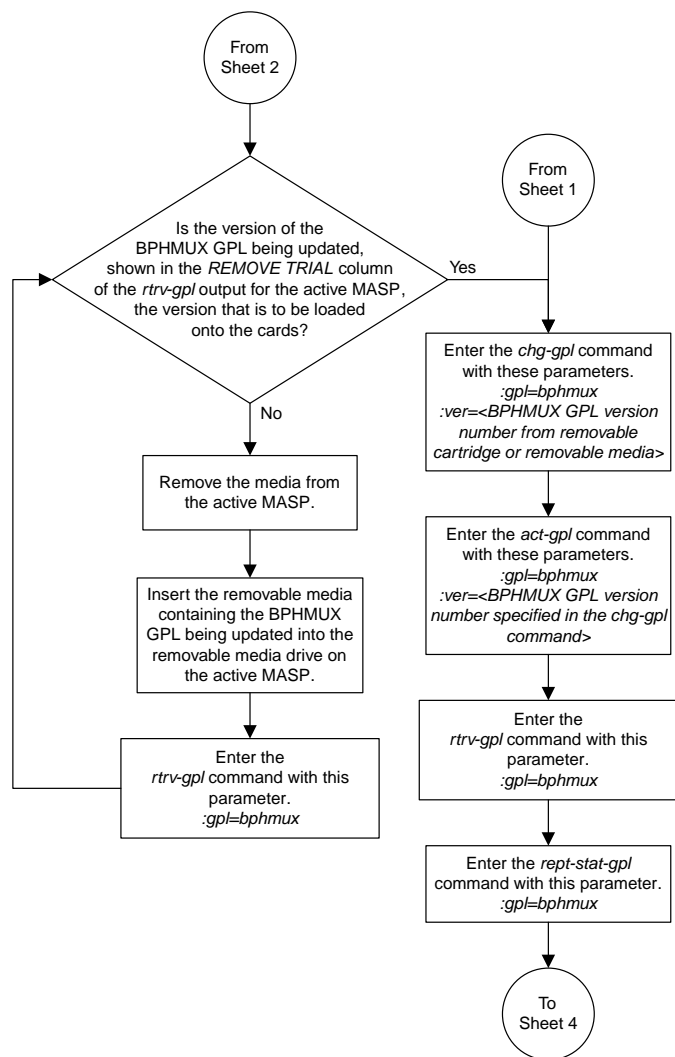
## Updating the BPHMUX GPL



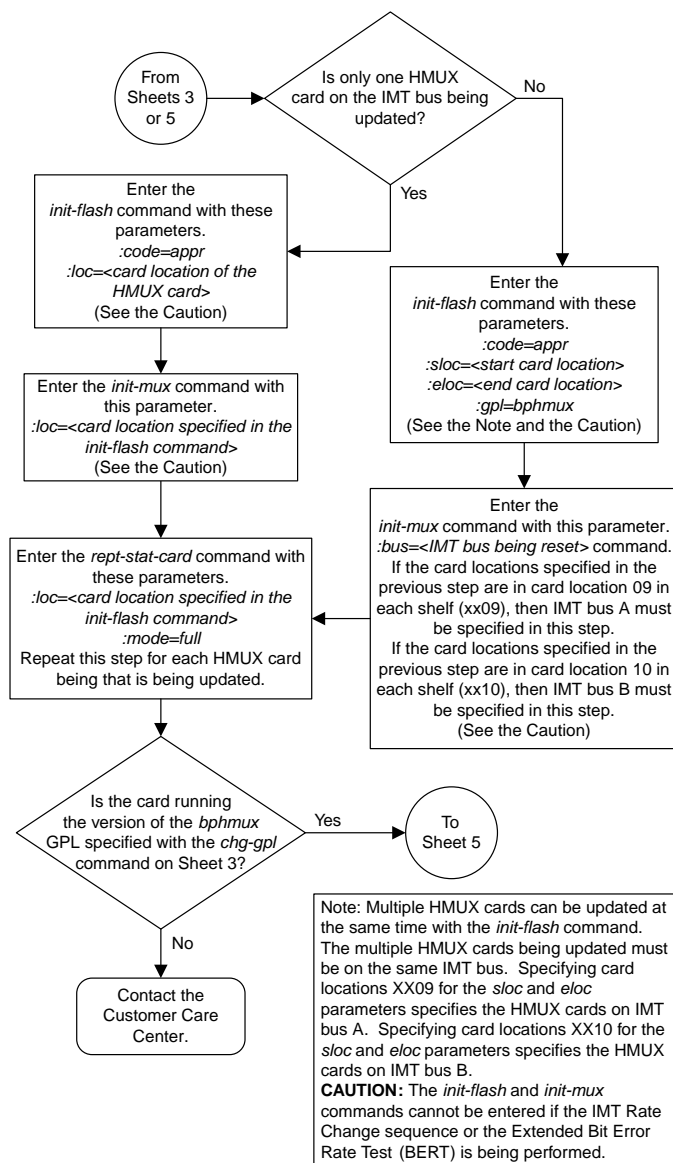
Sheet 1 of 5

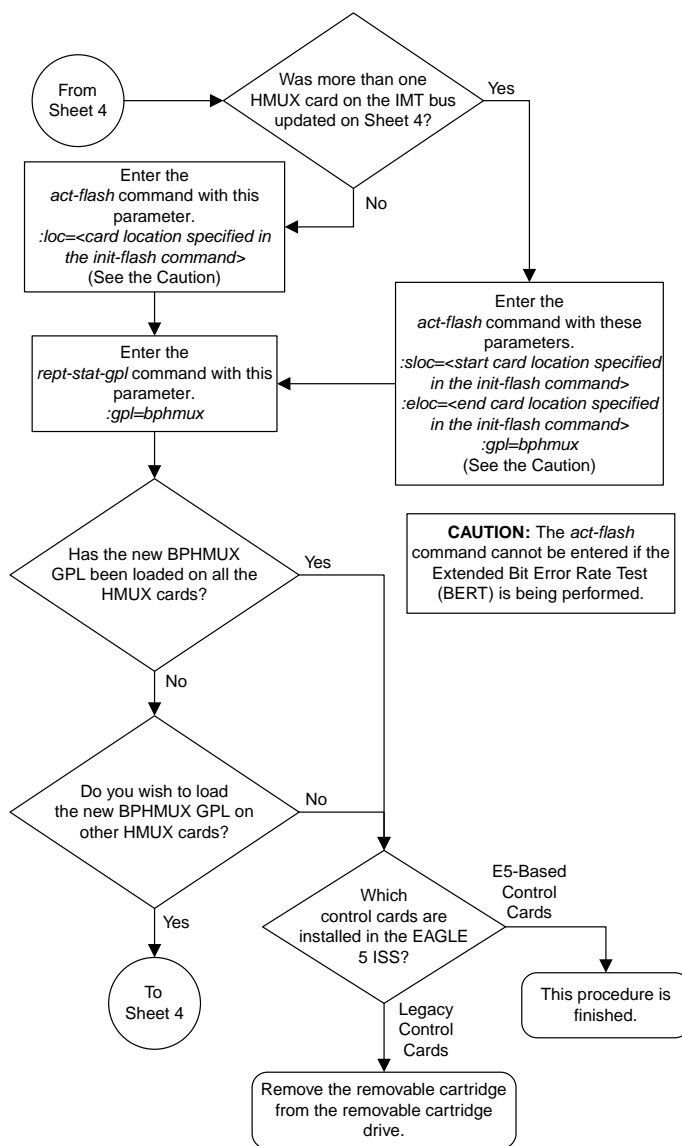


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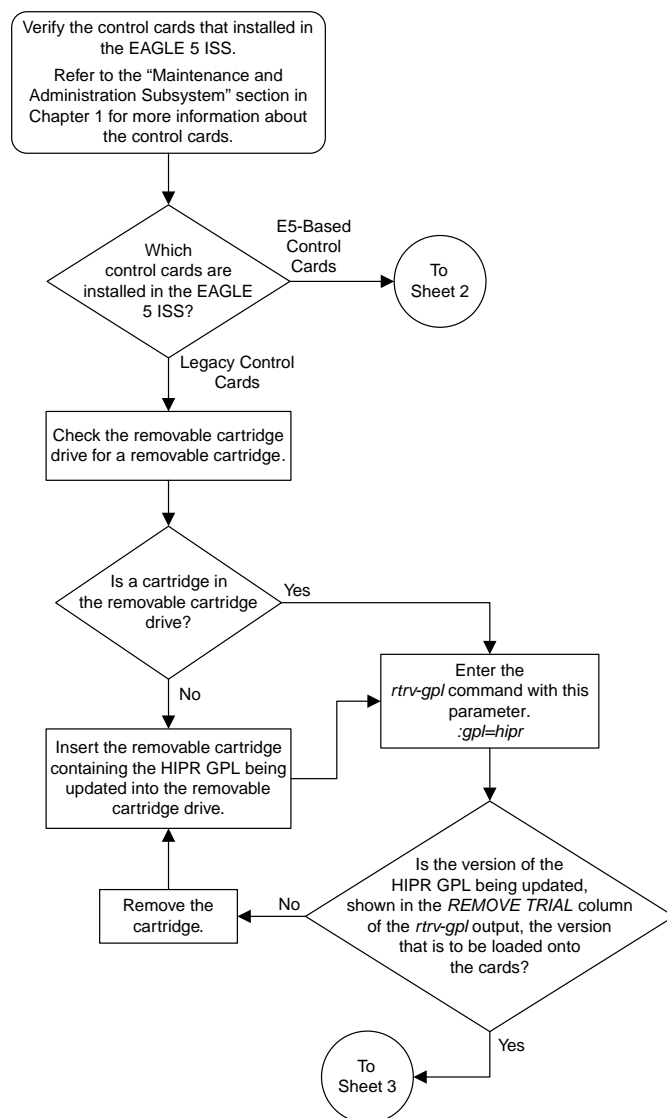




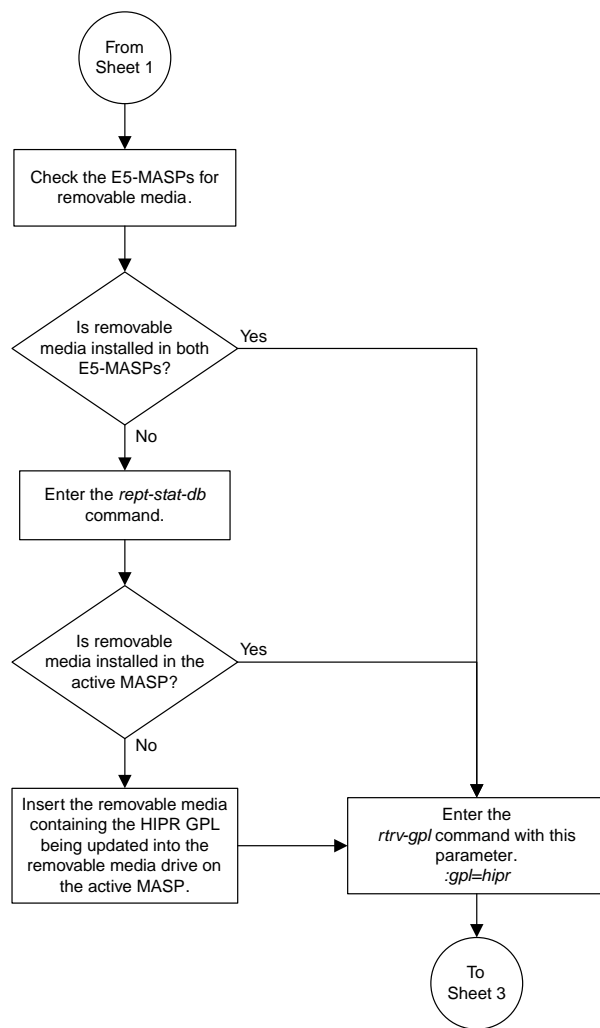
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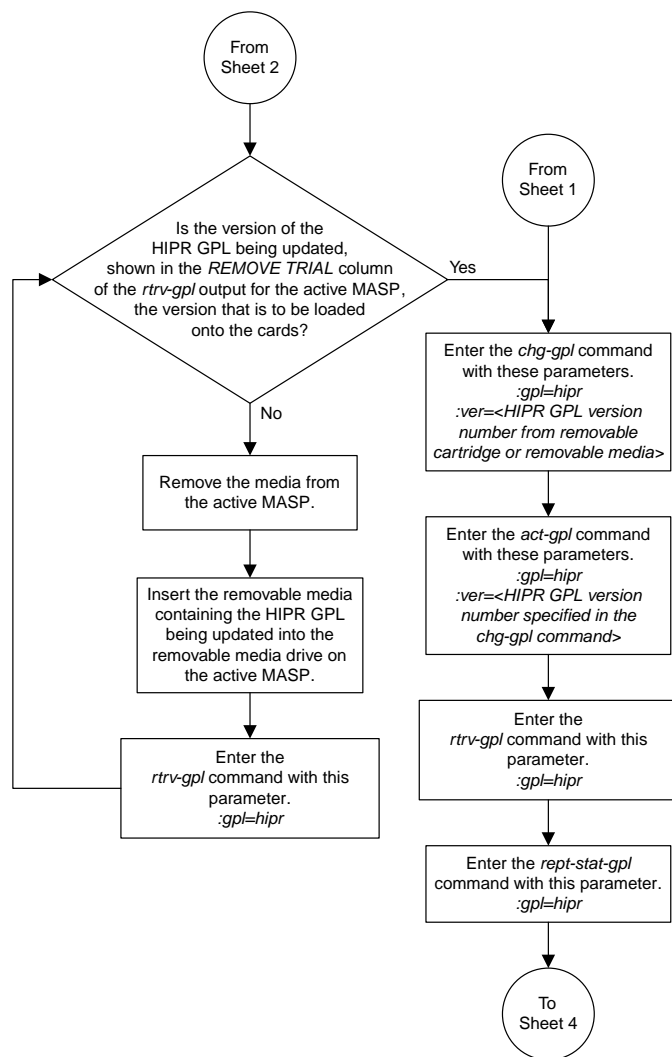
## Updating the HIPR GPL



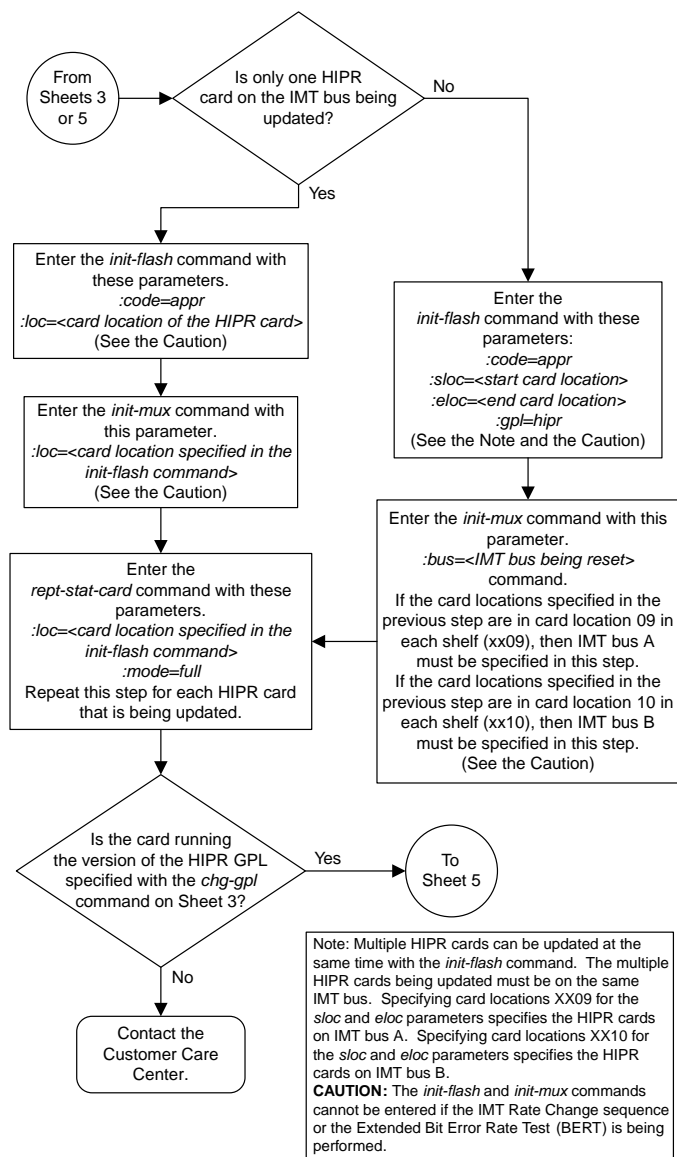
Sheet 1 of 5

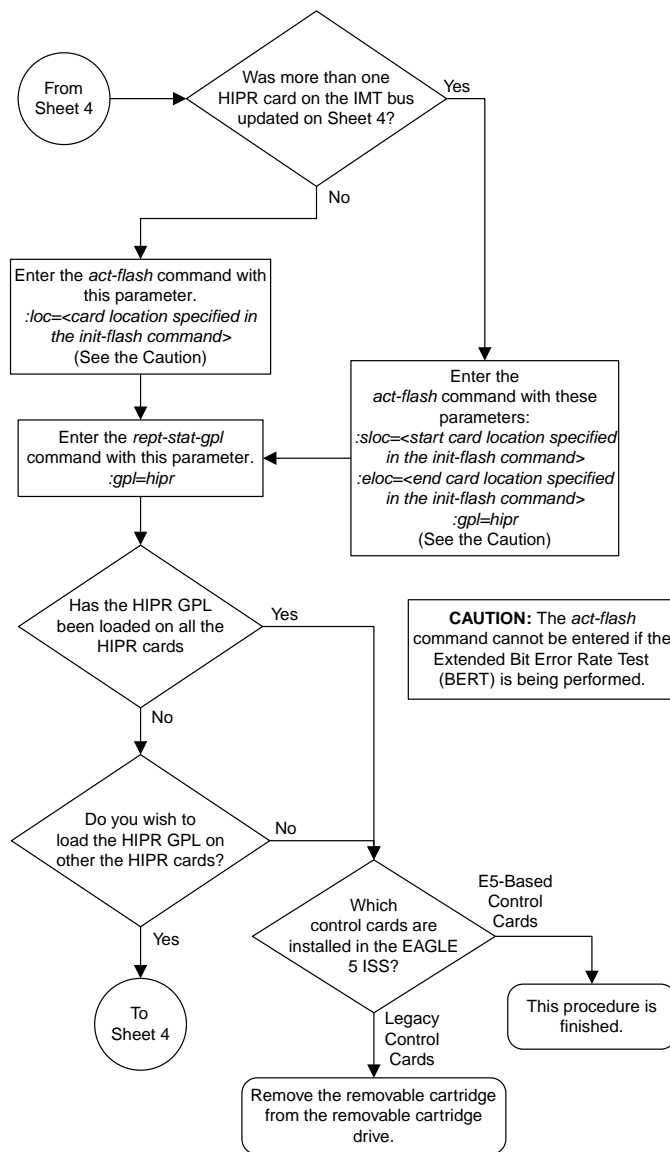


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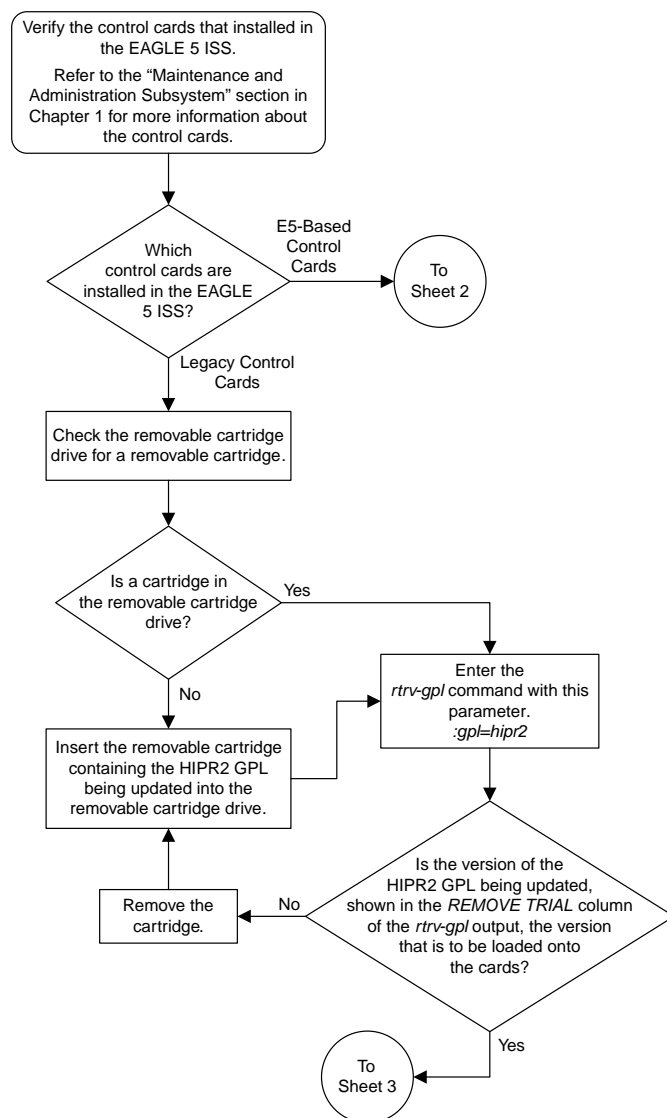
Sheet 3 of 5



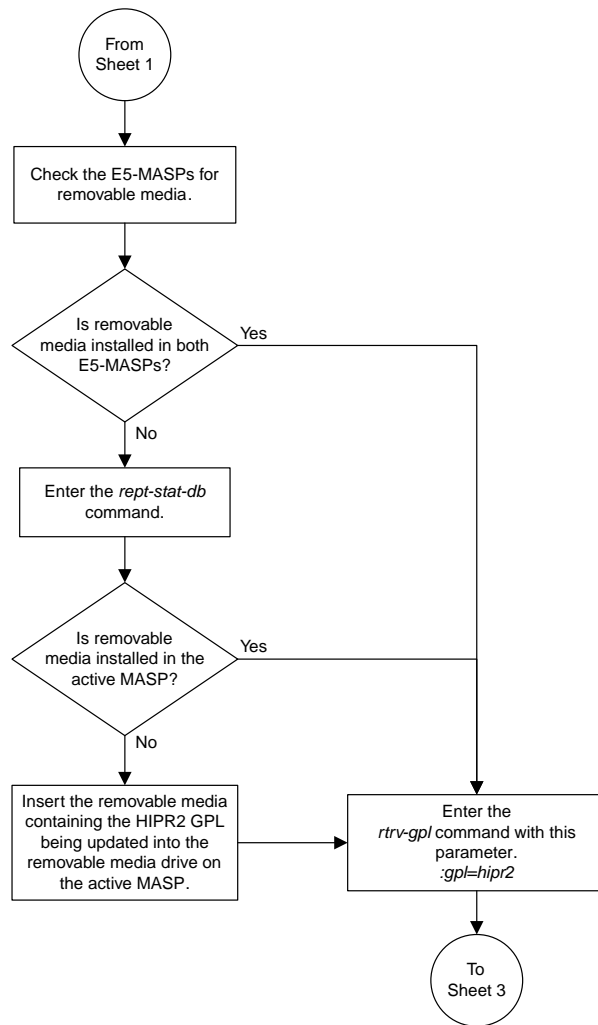


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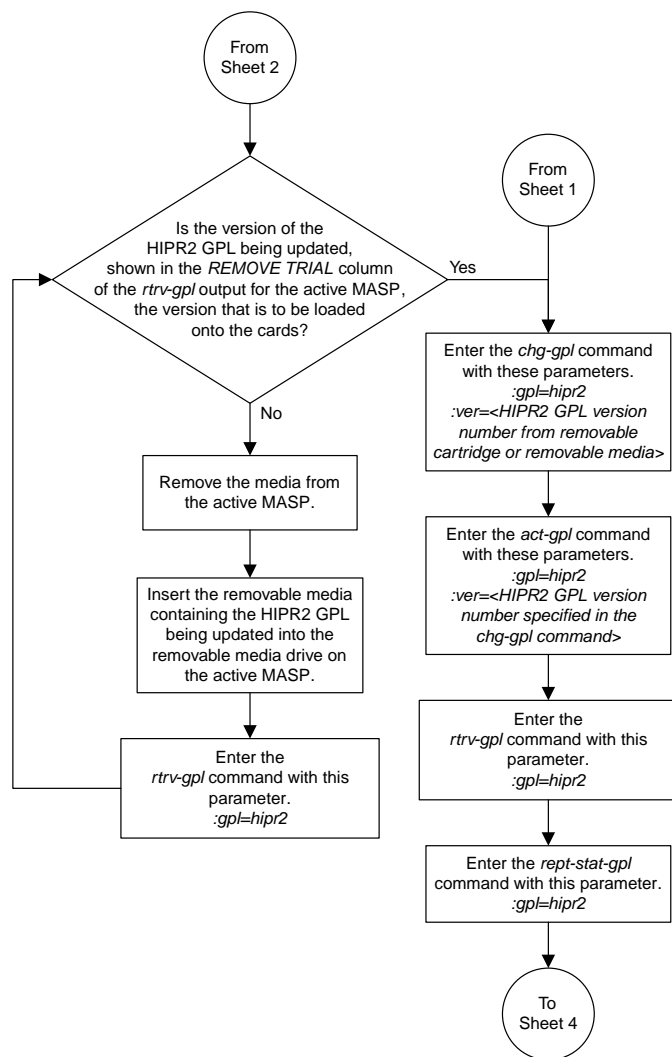
## Updating the HIPR2 GPL



Sheet 1 of 5

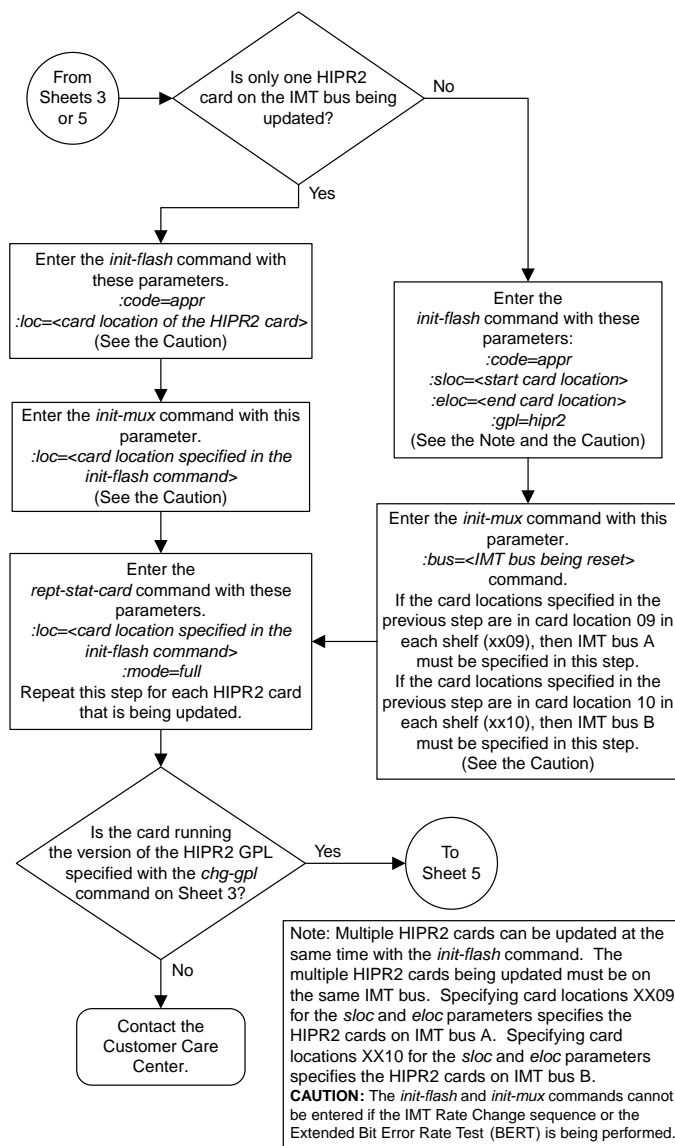


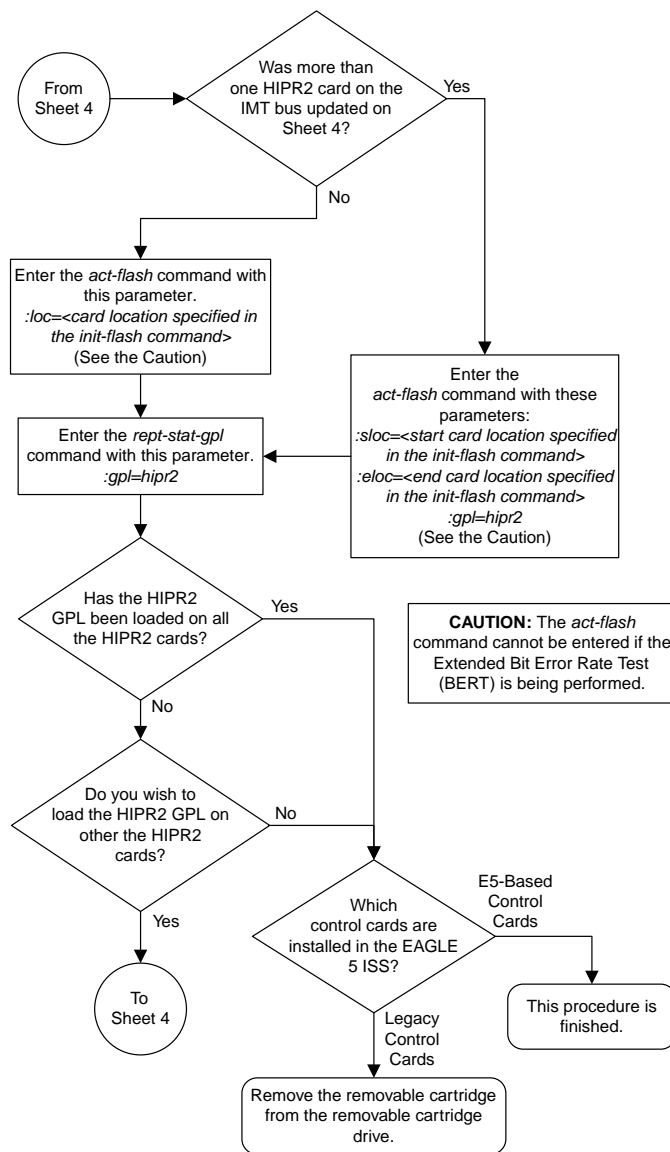
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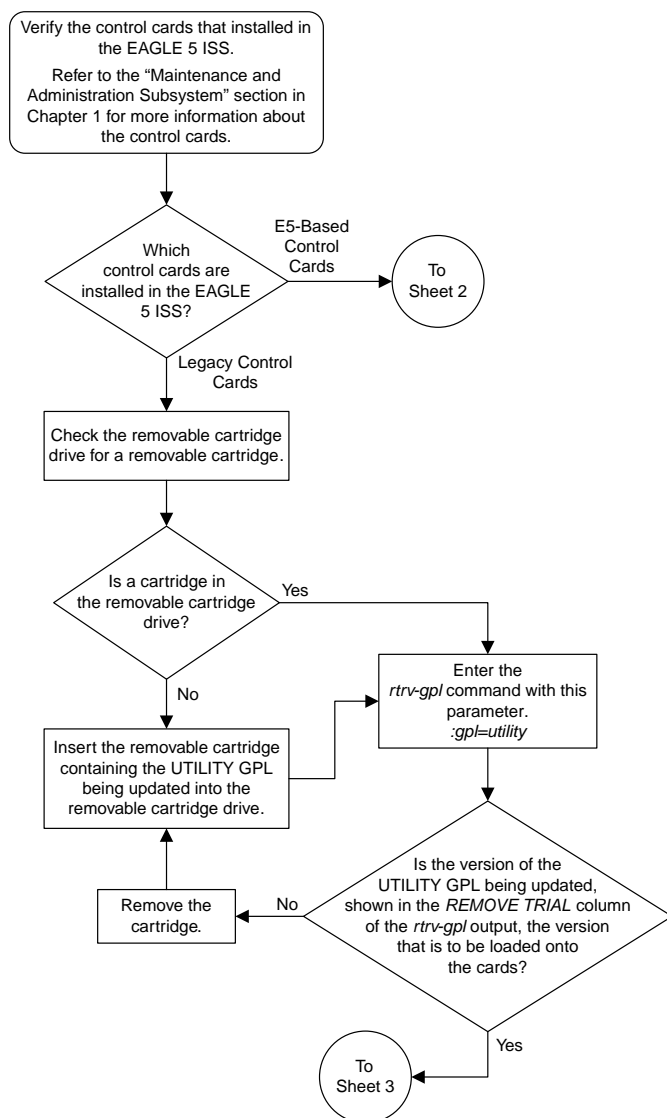
Sheet 3 of 5



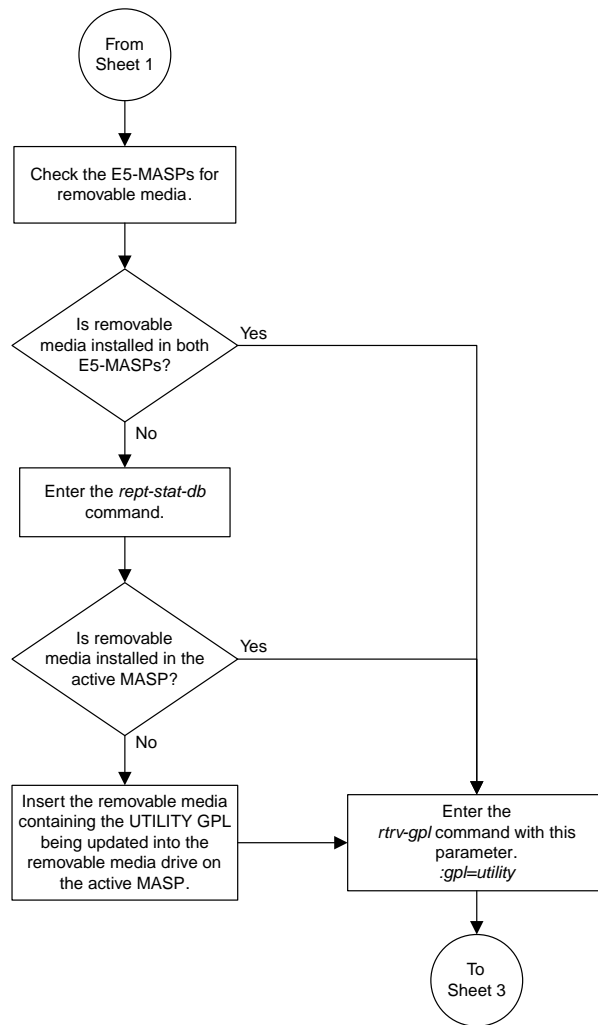




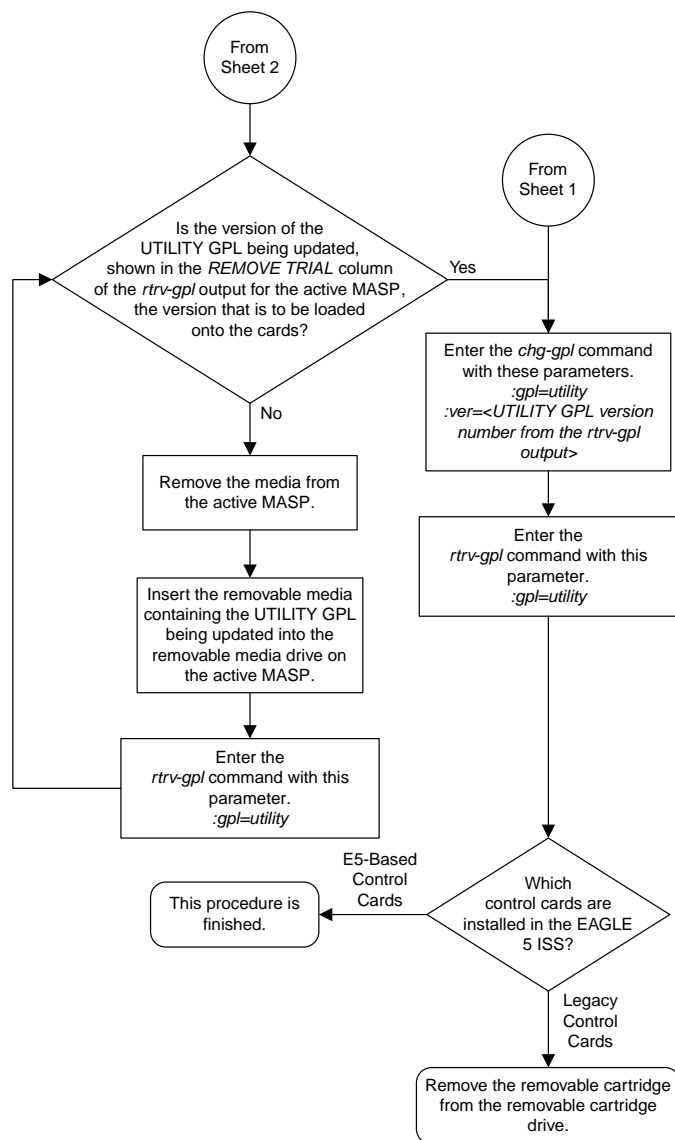
## Making the Trial Utility GPL the Approved Utility GPL



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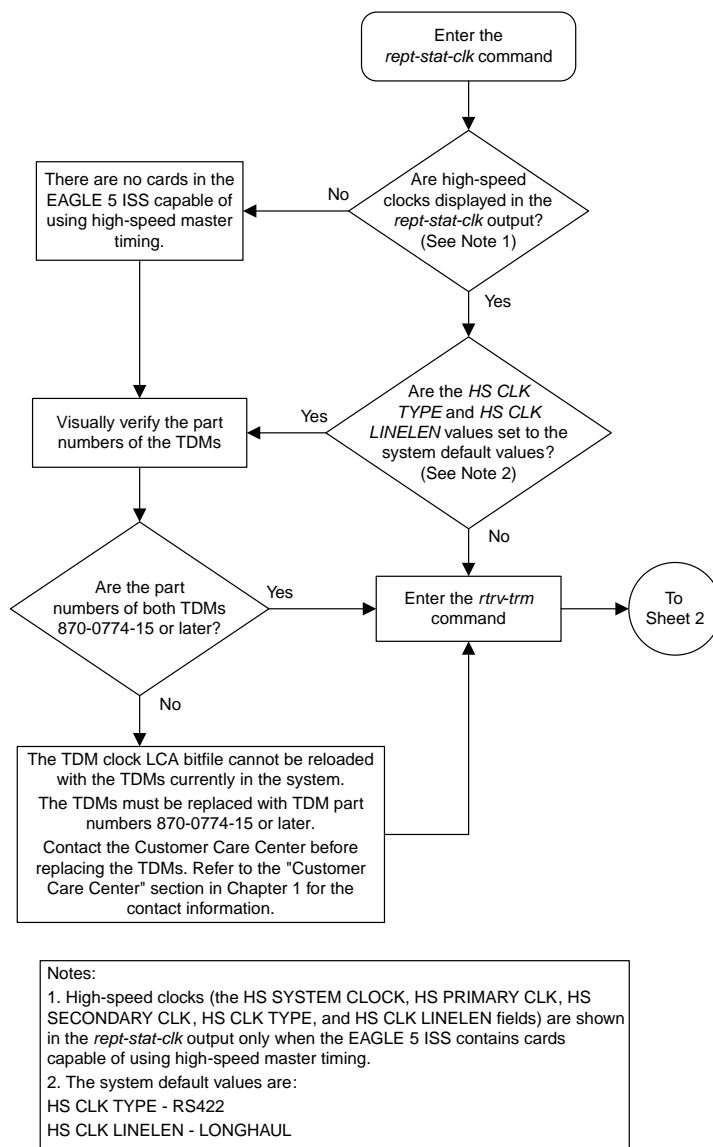


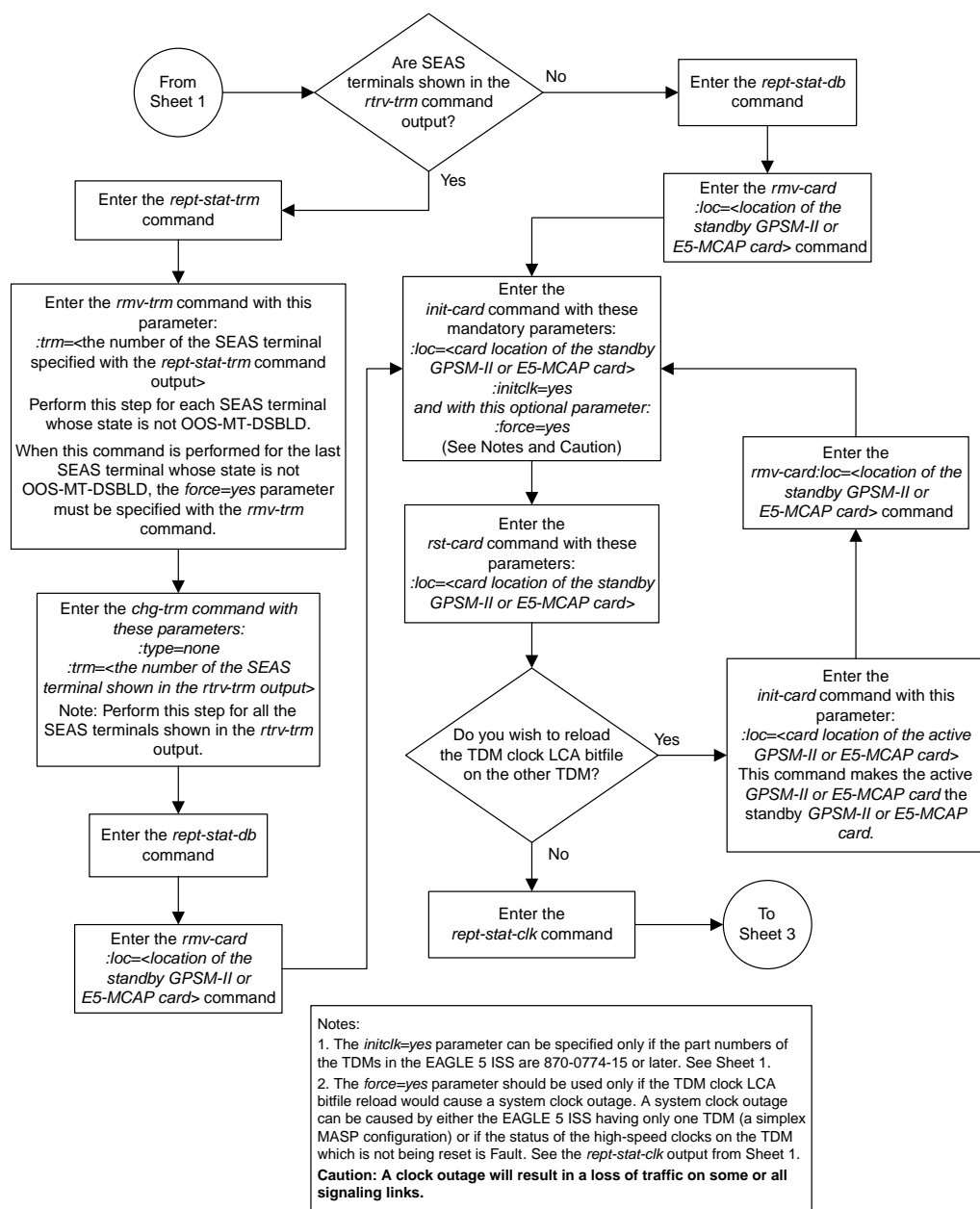
Sheet 2 of 3



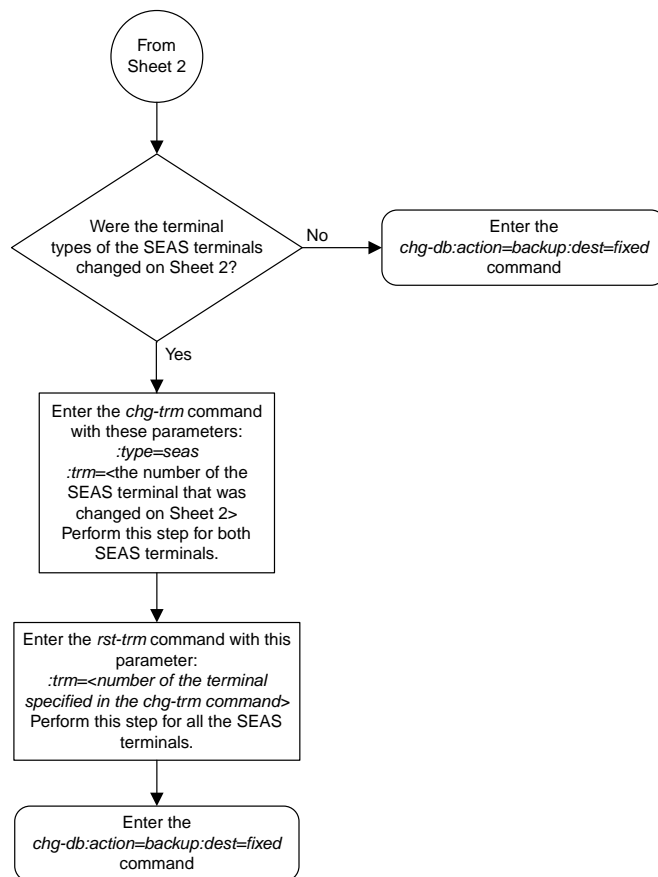
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## Reloading the TDM LCA Clock Bitfile





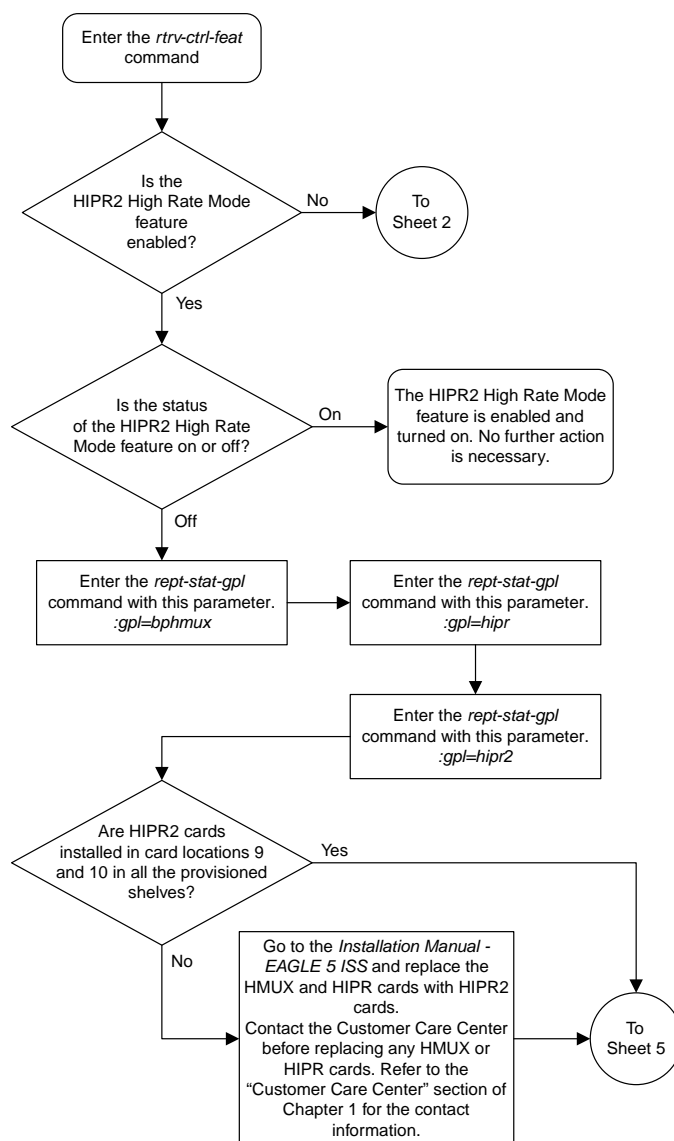
Sheet 2 of 3



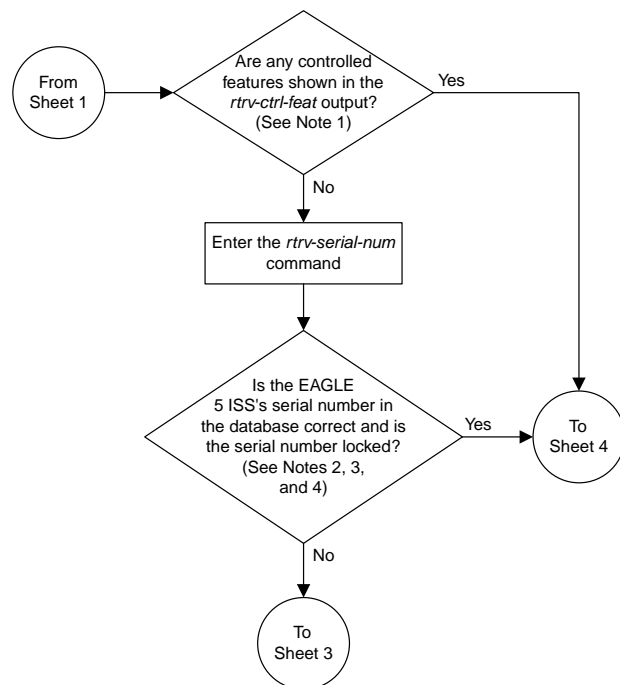
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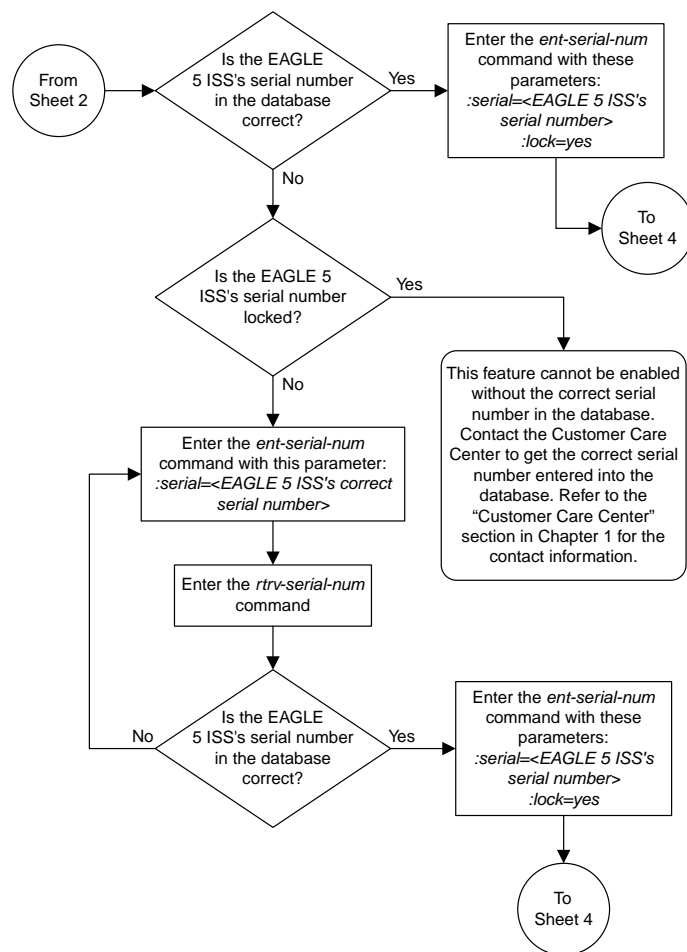
## Activating the HIPR2 High Rate Mode Feature



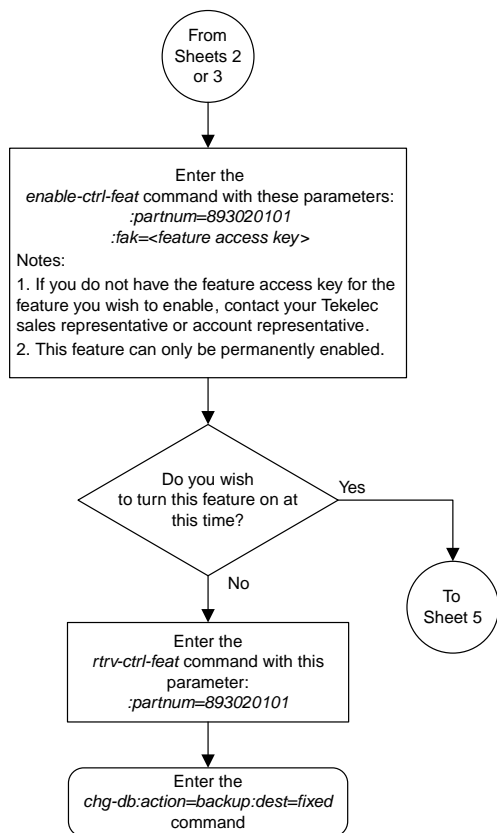
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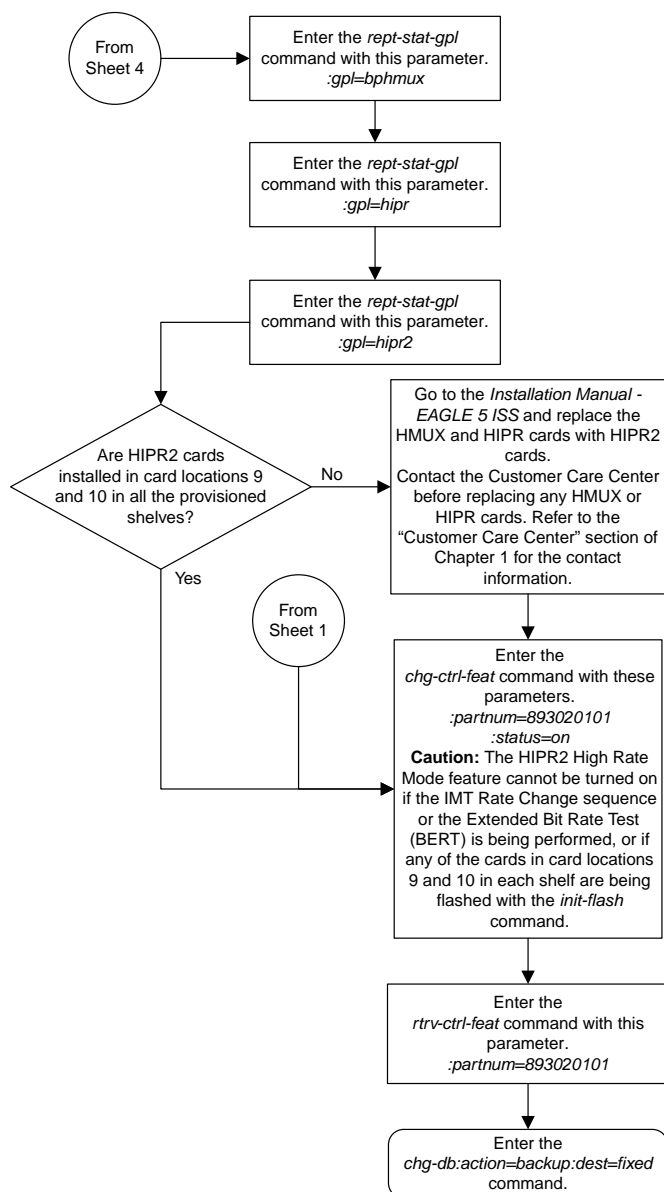
**Notes:**

1. If the *rtrv-ctrl-feat* output shows only the HC -MIM SLK Capacity feature with a quantity of 64, the answer to this question is no and the Eagle 5 ISS's serial number must be verified. This is the default entry for the *rtrv-ctrl-feat* output. This entry is shown whether or not the Eagle 5 ISS's serial number is in the database.
2. If the serial number is locked, it cannot be changed.
3. If the serial number is not locked, the controlled feature cannot be enabled.
4. The serial number can be found on a label affixed to the control shelf (shelf 1100).

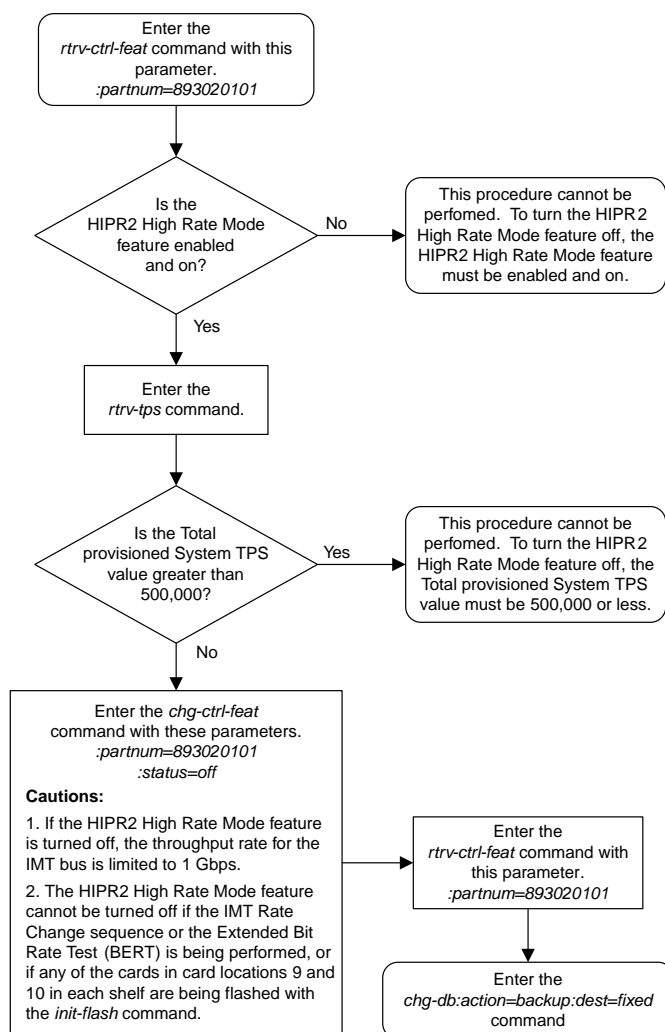


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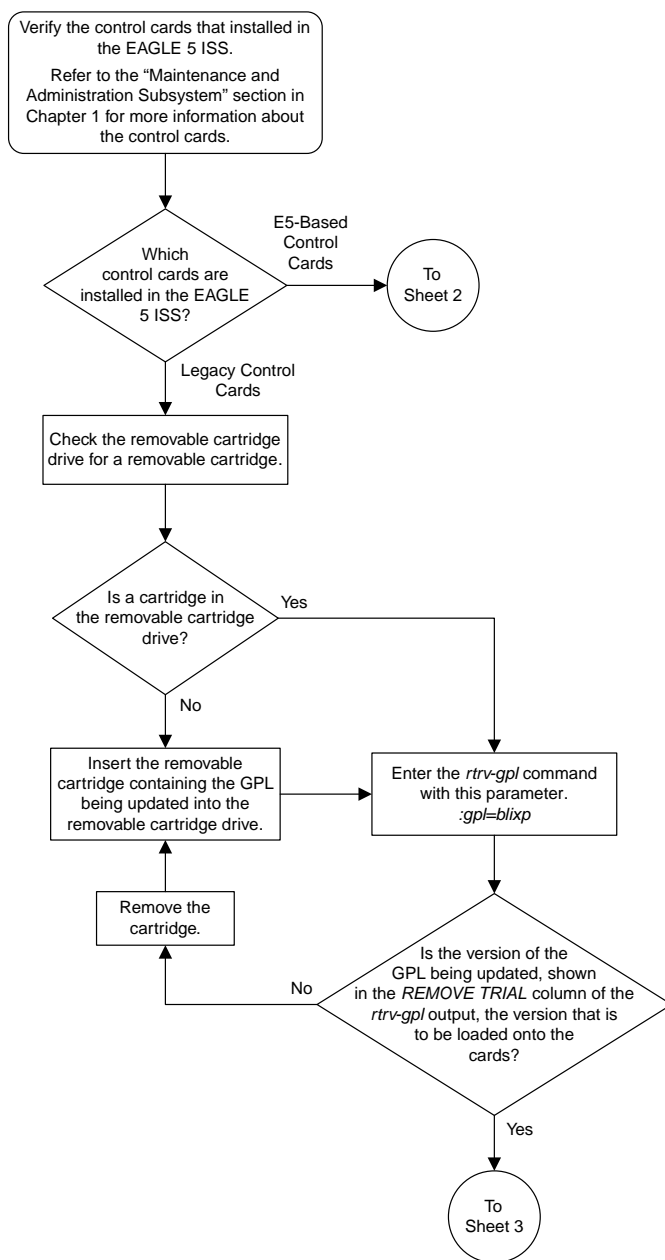


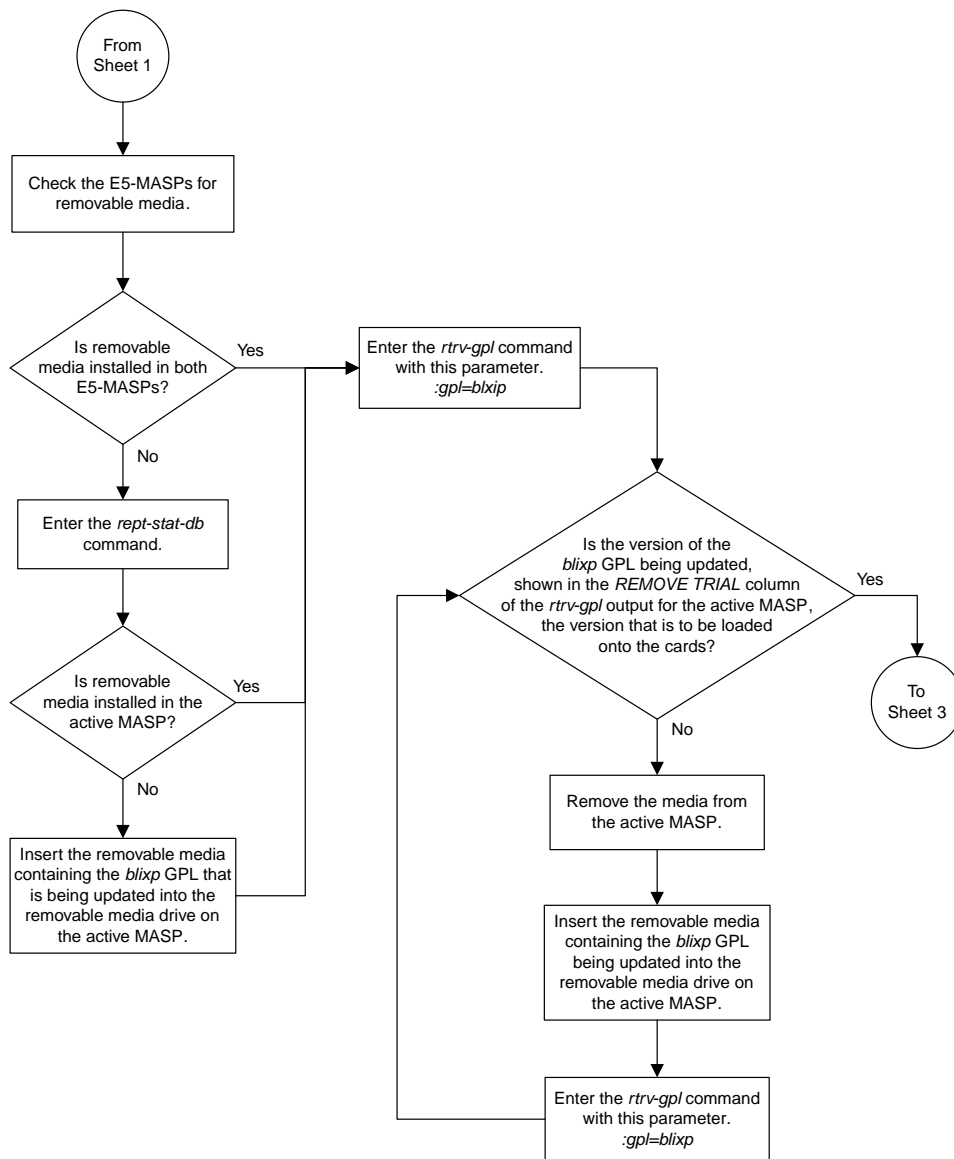


## Turning the HIPR2 High Rate Mode Feature Off



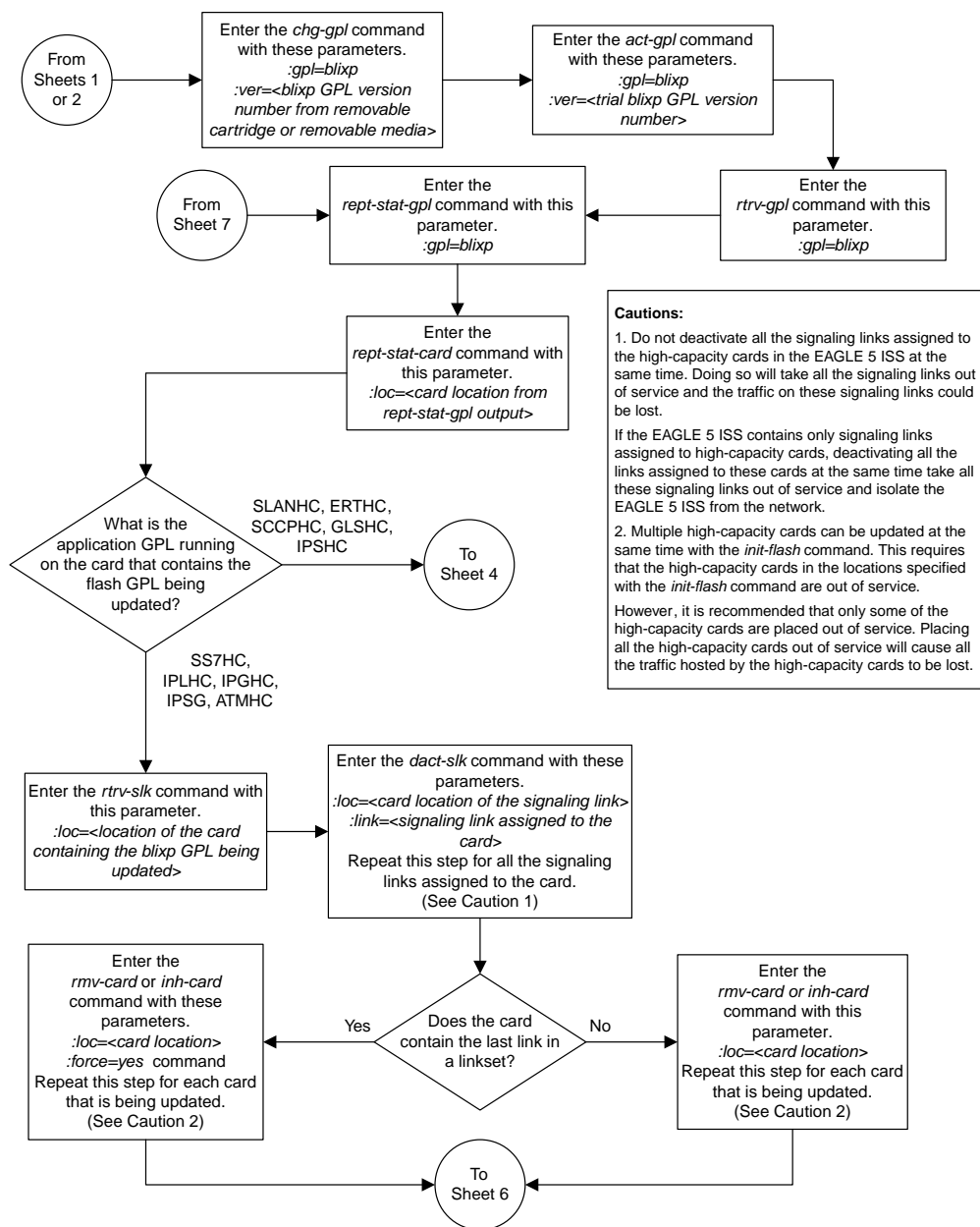
## Updating the BLIXP GPL



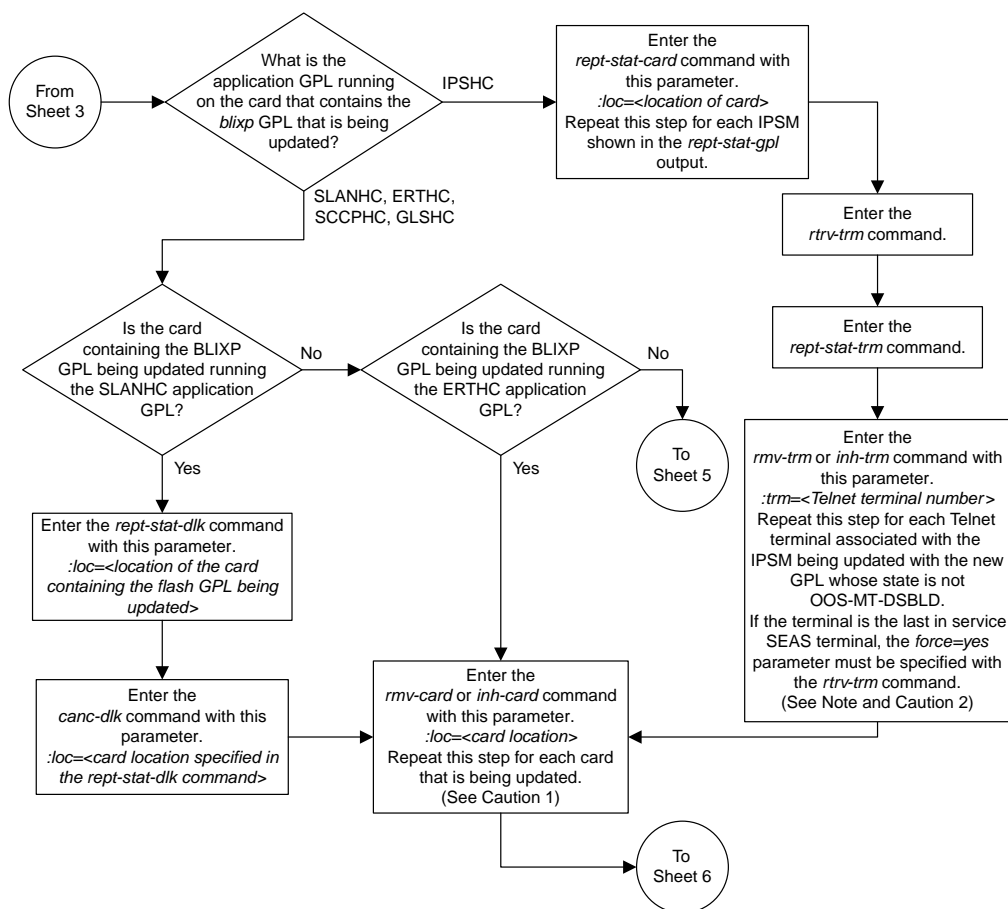


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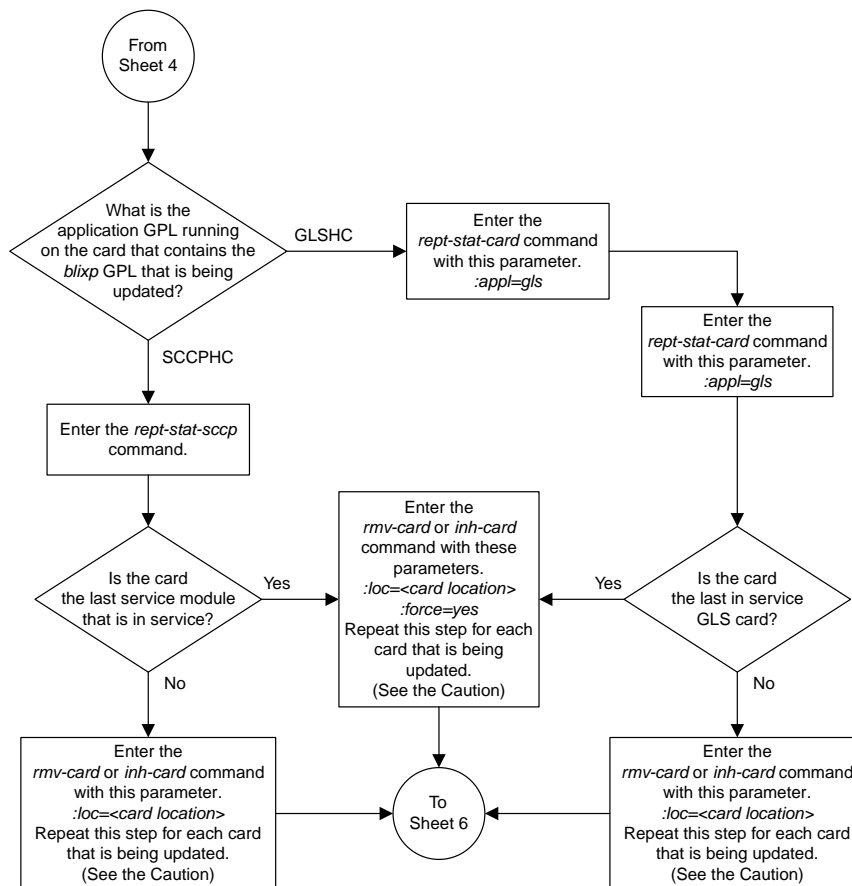
**Note:** Each IPSM has 8 Telnet terminals associated with it. The *rtrv-trm* output shows the Telnet terminals that are associated with each IPSM.

**Caution:**

1. Multiple high-capacity cards can be updated at the same time with the *init-flash* command. This requires that the high-capacity cards in the locations specified with the *init-flash* command are out of service.

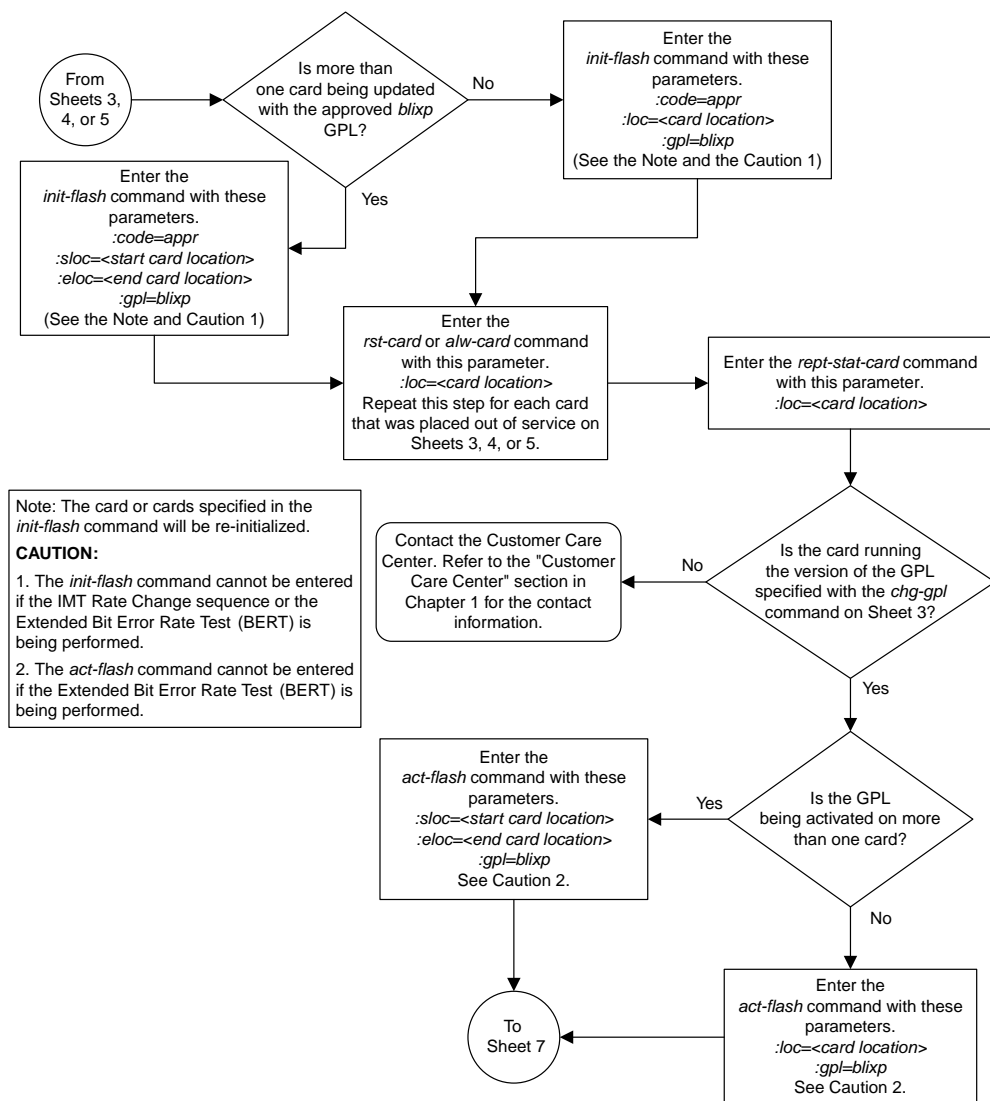
However, it is recommended that only some of the high-capacity cards are placed out of service. Placing all the high-capacity cards out of service will cause all the traffic hosted by the high-capacity cards to be lost.

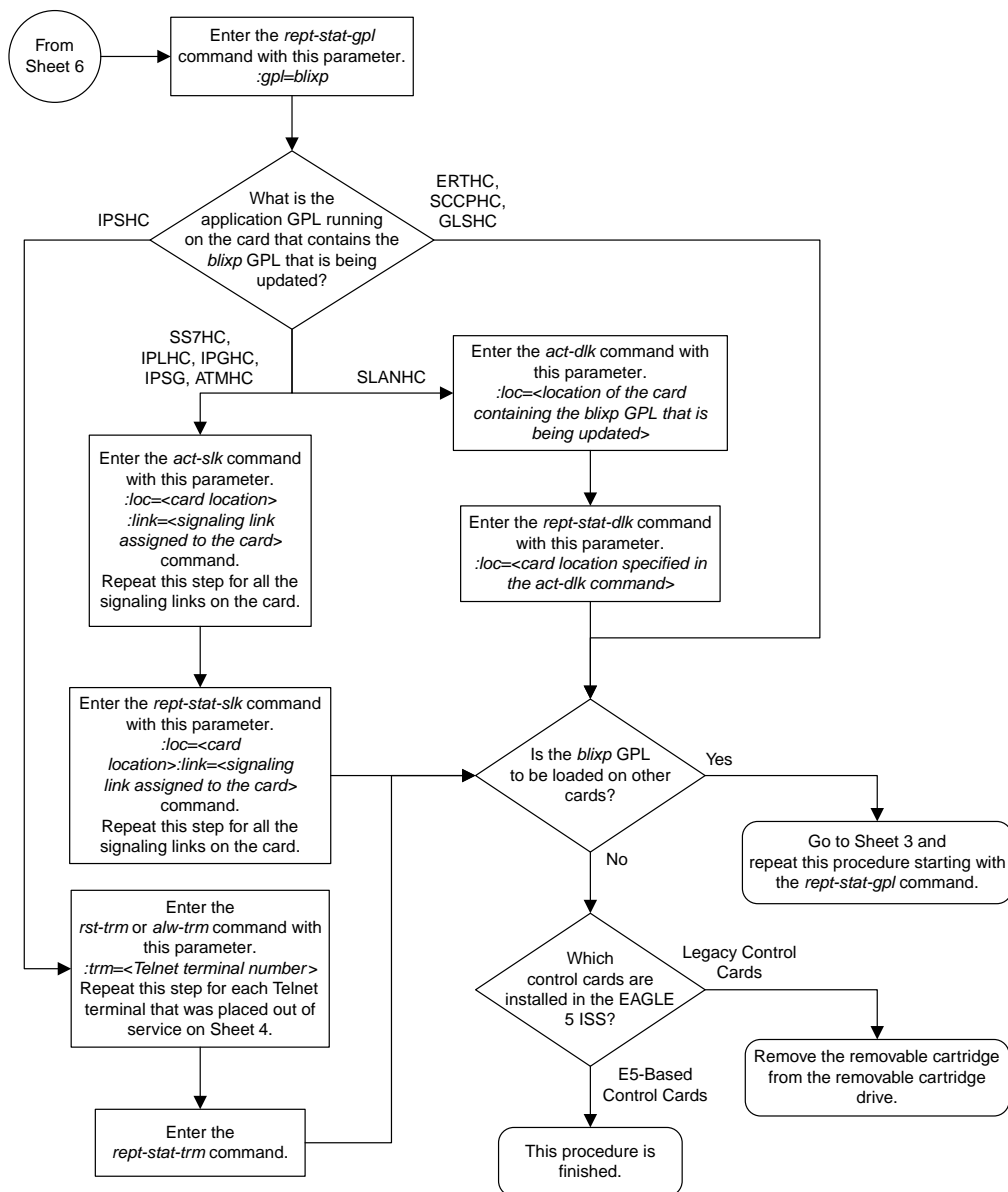
2. Placing the Telnet terminals out of service will disable all Telnet sessions supported by the terminals associated with the IPSM.



**Caution:** Multiple high-capacity cards can be updated at the same time with the *init-flash* command. This requires that the high-capacity cards in the locations specified with the *init-flash* command are out of service.

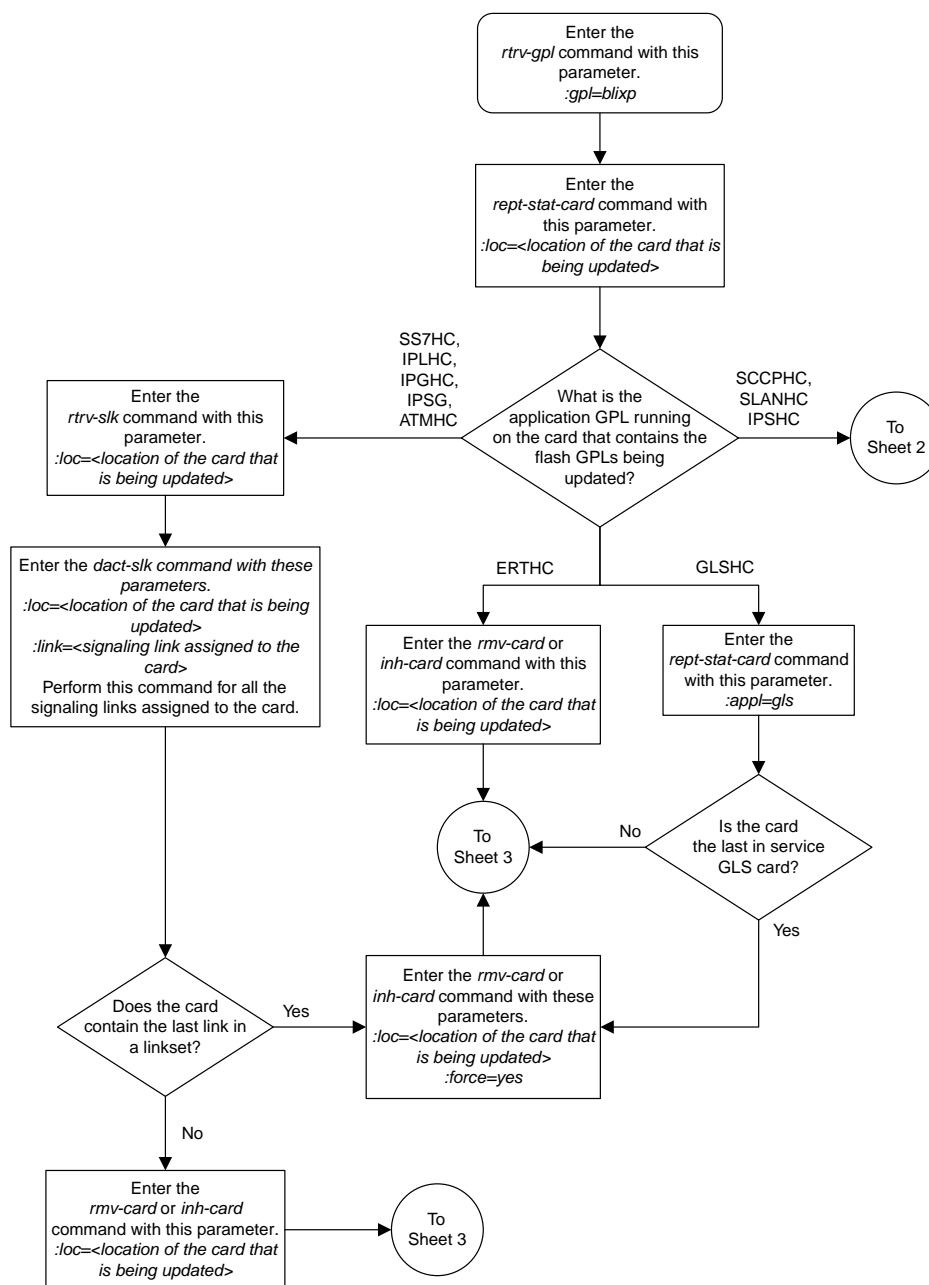
However, it is recommended that only some of the high-capacity cards are placed out of service. Placing all the high-capacity cards out of service will cause all the traffic hosted by the high-capacity cards to be lost.



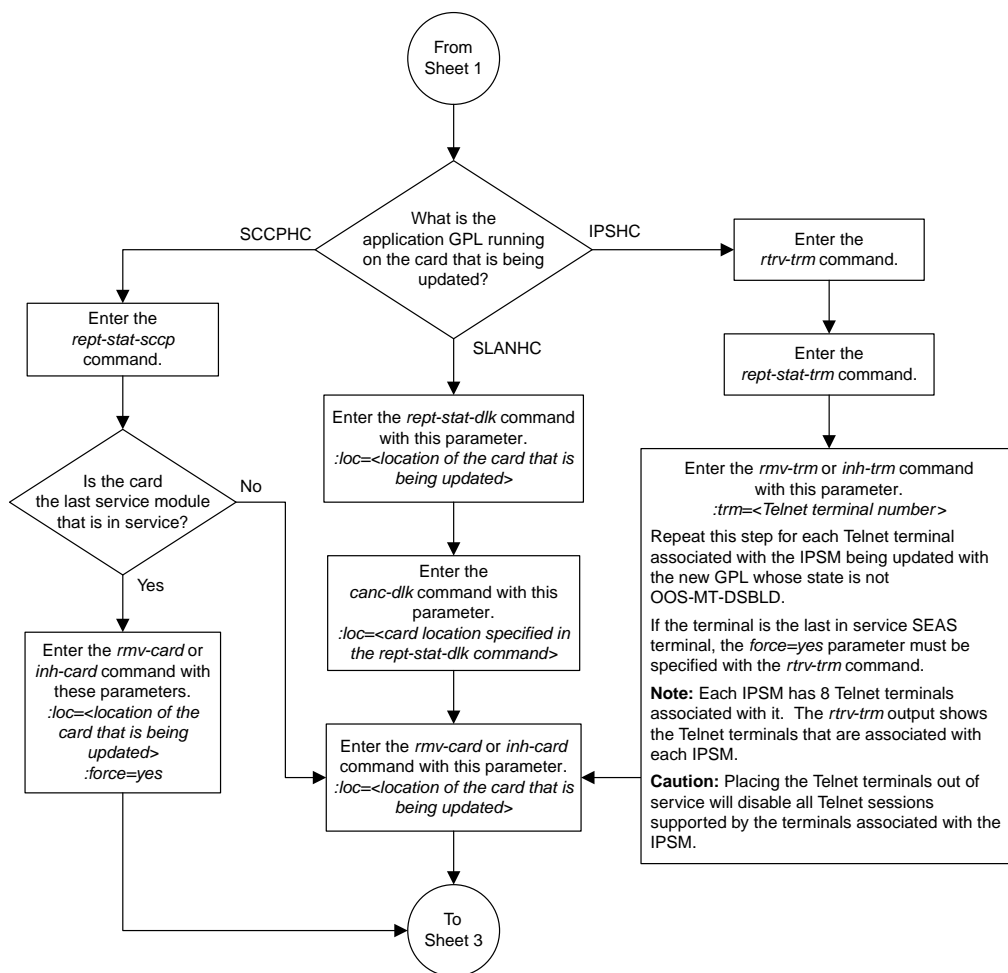


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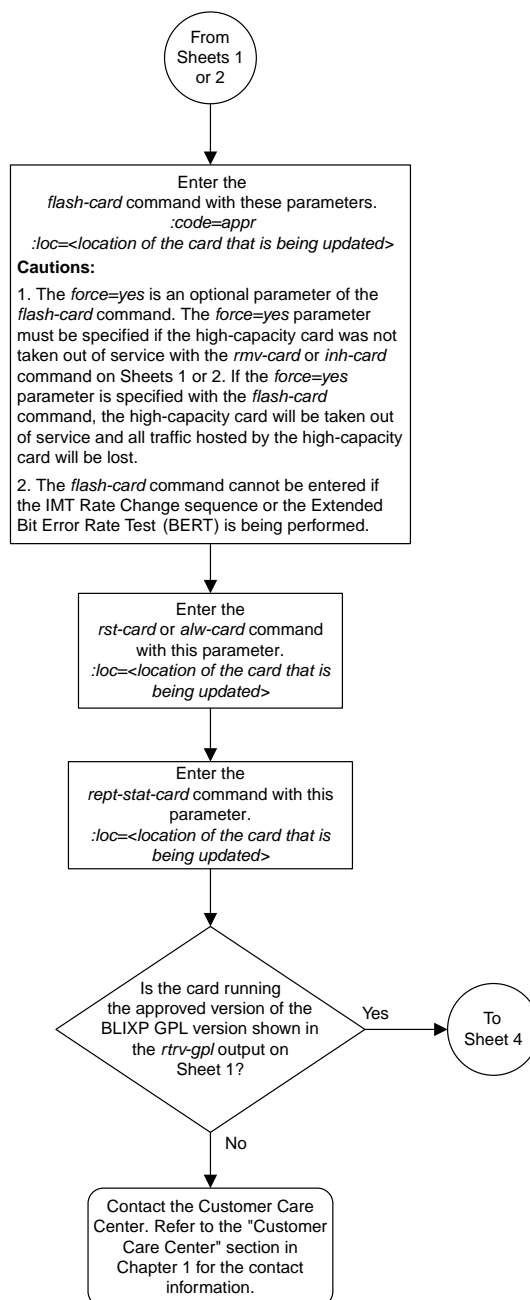
## Updating a High-Capacity Card to Run the BLIXP GPL



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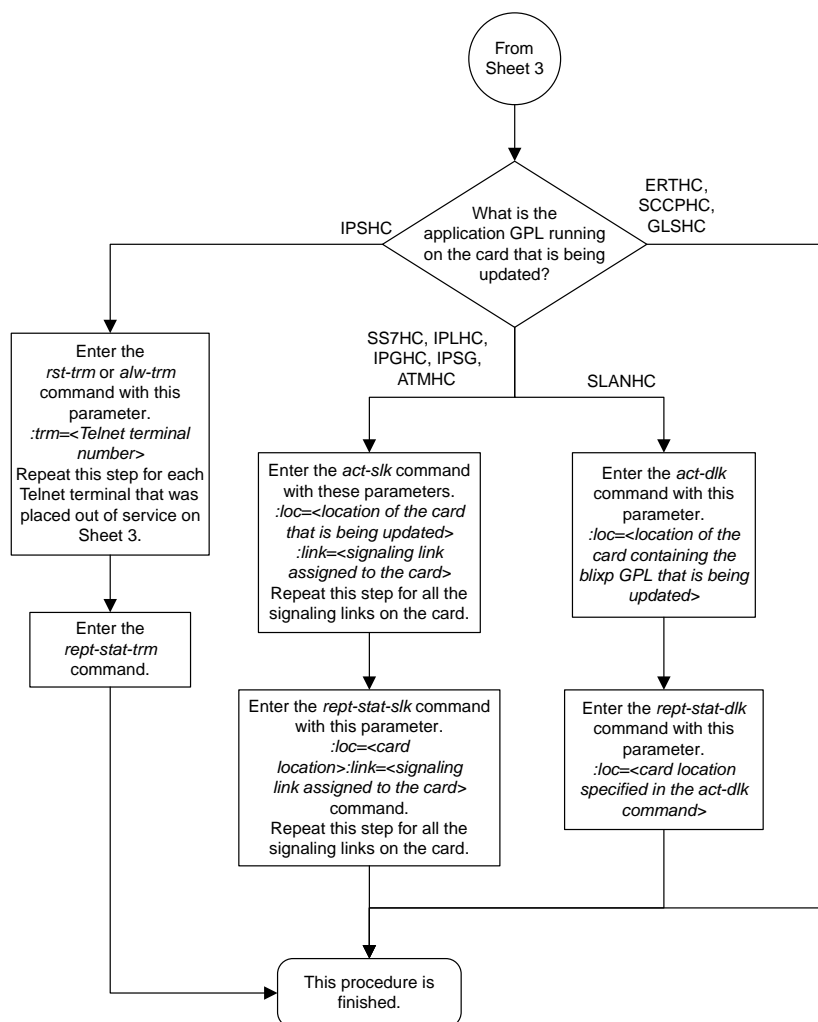


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# Chapter 24

## System Administration Flowcharts

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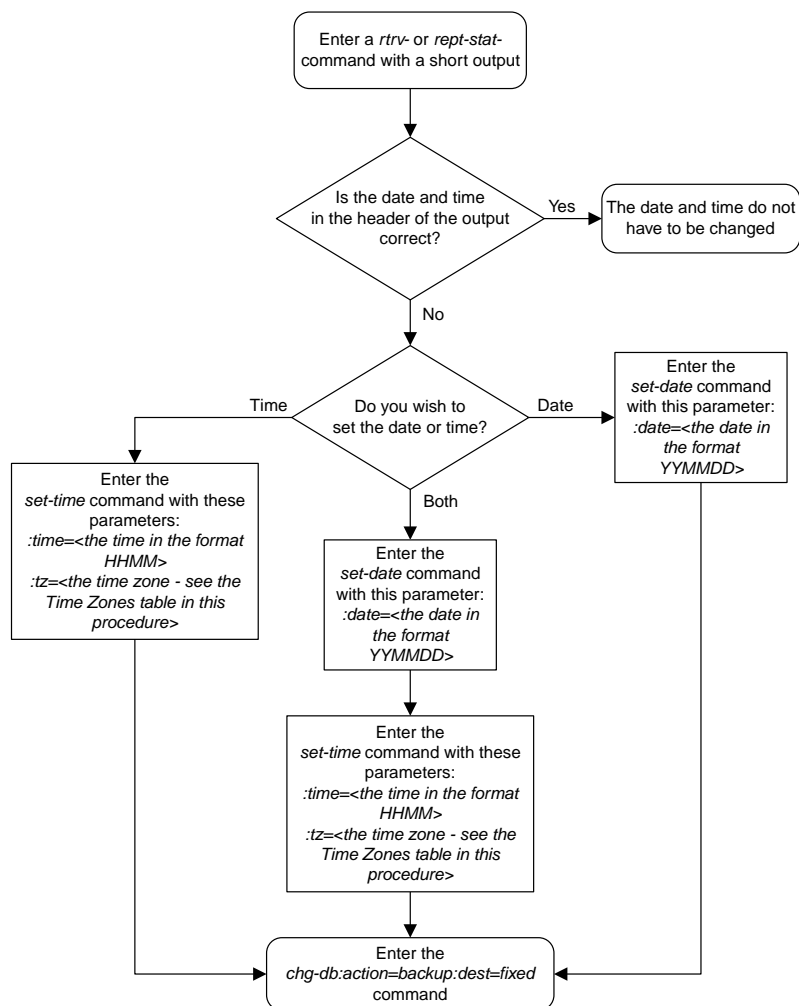
### Topics:

- *Setting the Clock and Date on the EAGLE 5 ISS.....1380*
- *Changing the Security Defaults.....1381*
- *Configuring the Unauthorized Use Warning Message.....1382*
- *Changing the Security Log Characteristics....1383*
- *Copying the Security Log to the File Transfer Area.....1384*
- *Adding a User to the System.....1386*
- *Removing a User from the System.....1388*
- *Changing User Information.....1389*
- *Changing a Password.....1392*
- *Changing Terminal Characteristics.....1393*
- *Changing Terminal Command Class Assignments.....1399*
- *Configuring Command Classes.....1401*
- *Adding a Shelf.....1403*
- *Removing a Shelf.....1404*
- *Adding an SS7 LIM.....1405*
- *Removing an SS7 LIM.....1406*
- *Configuring the UIM Threshold.....1408*
- *Removing a UIM Threshold.....1409*
- *Configuring the Measurements Terminal for an EAGLE 5 ISS Containing 700 Signaling Links.....1410*
- *Adding an MCPM.....1411*
- *Removing an MCPM.....1412*
- *Configuring the Measurements Platform Feature.....1413*
- *Adding an FTP Server.....1417*
- *Removing an FTP Server.....1419*
- *Changing an FTP Server.....1420*
- *Adding an IPSM.....1422*

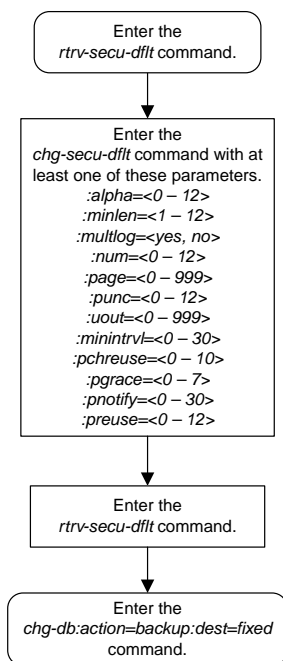
This chapter contains the flowcharts for the procedures that are used to administer the items shown in the Introduction section of the *Database Administration Manual - System Management*. This chapter also contains the flowcharts for the procedures contained in the Controlled Feature Activation Procedures section of the *Database Administration Manual - System Management*.

- *Removing an IPSM.....1428*
- *Configuring the Options for the Network Security Enhancements Feature.....1430*
- *Configuring the Restore Device State Option.1431*
- *Adding an Entry to the Frame Power Alarm Threshold Table.....1432*
- *Removing an Entry from the Frame Power Alarm Threshold Table.....1434*
- *Changing an Entry in the Frame Power Alarm Threshold Table.....1436*
- *Configuring the IMT Bus Alarm Thresholds.1437*
- *Activating Controlled Features.....1438*
- *Activating the Eagle OA&M IP Security Enhancement Controlled Feature.....1442*
- *Activating the 15 Minute Measurements Controlled Feature.....1446*
- *Clearing a Temporary FAK Alarm.....1450*
- *Deactivating Controlled Features.....1451*
- *Configuring the Integrated Measurements Feature.....1452*

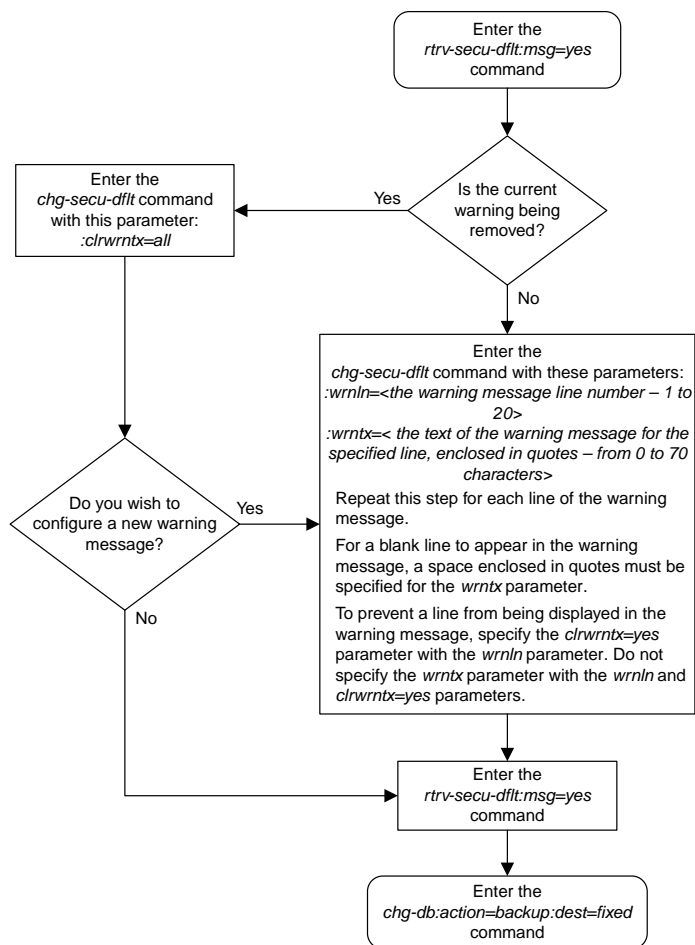
## Setting the Clock and Date on the EAGLE 5 ISS



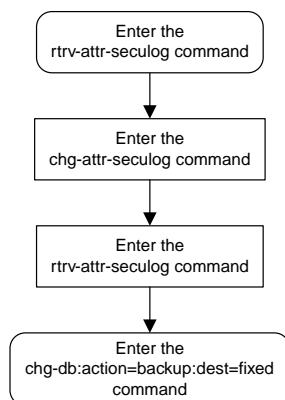
## Changing the Security Defaults



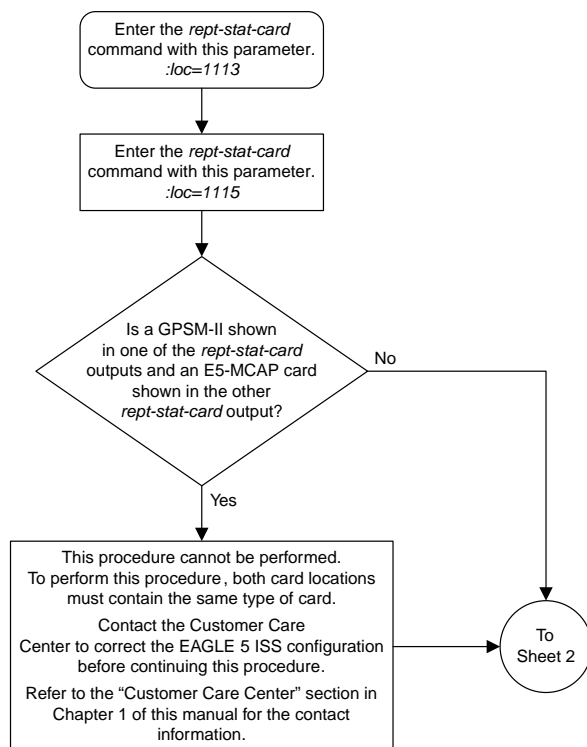
## Configuring the Unauthorized Use Warning Message



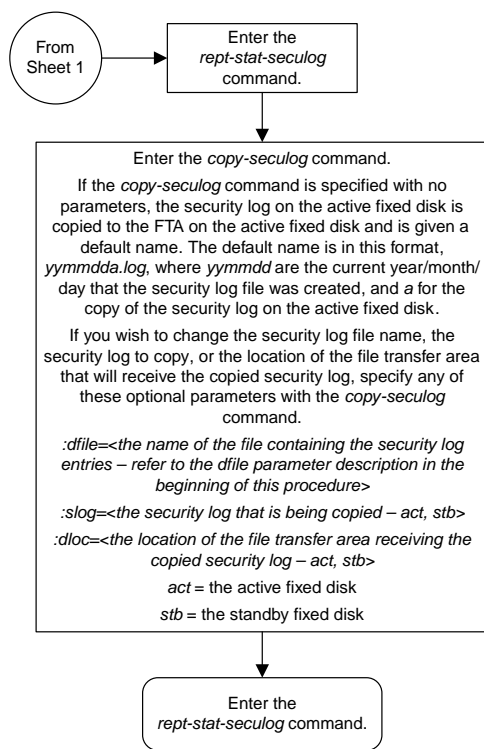
## Changing the Security Log Characteristics



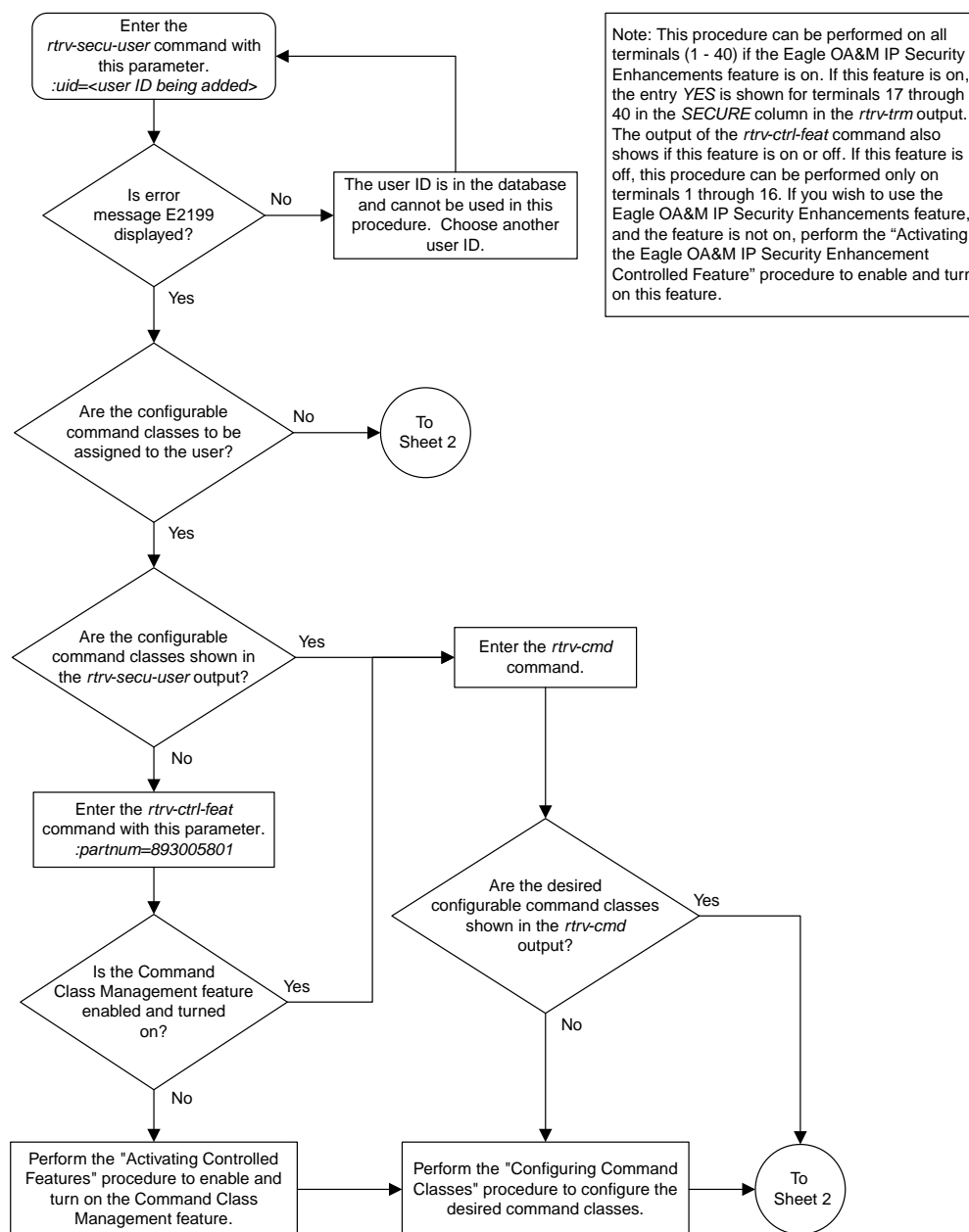
## Copying the Security Log to the File Transfer Area



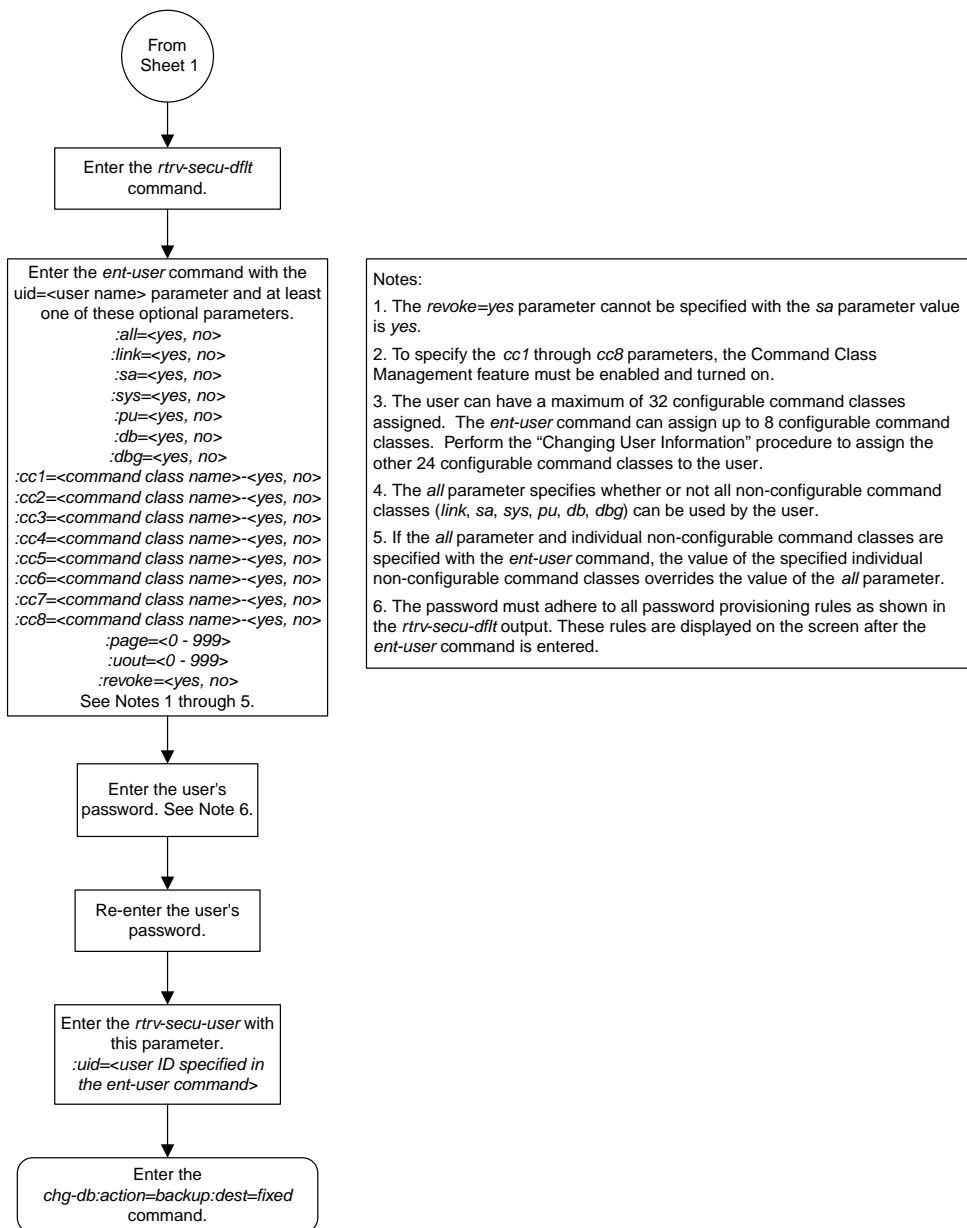




## Adding a User to the System

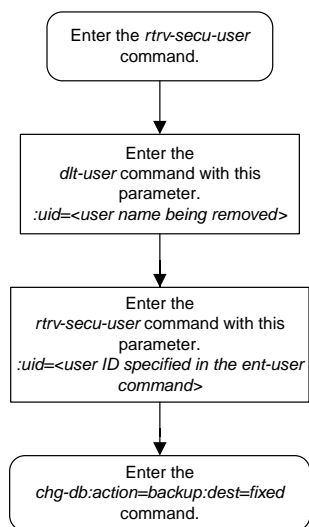


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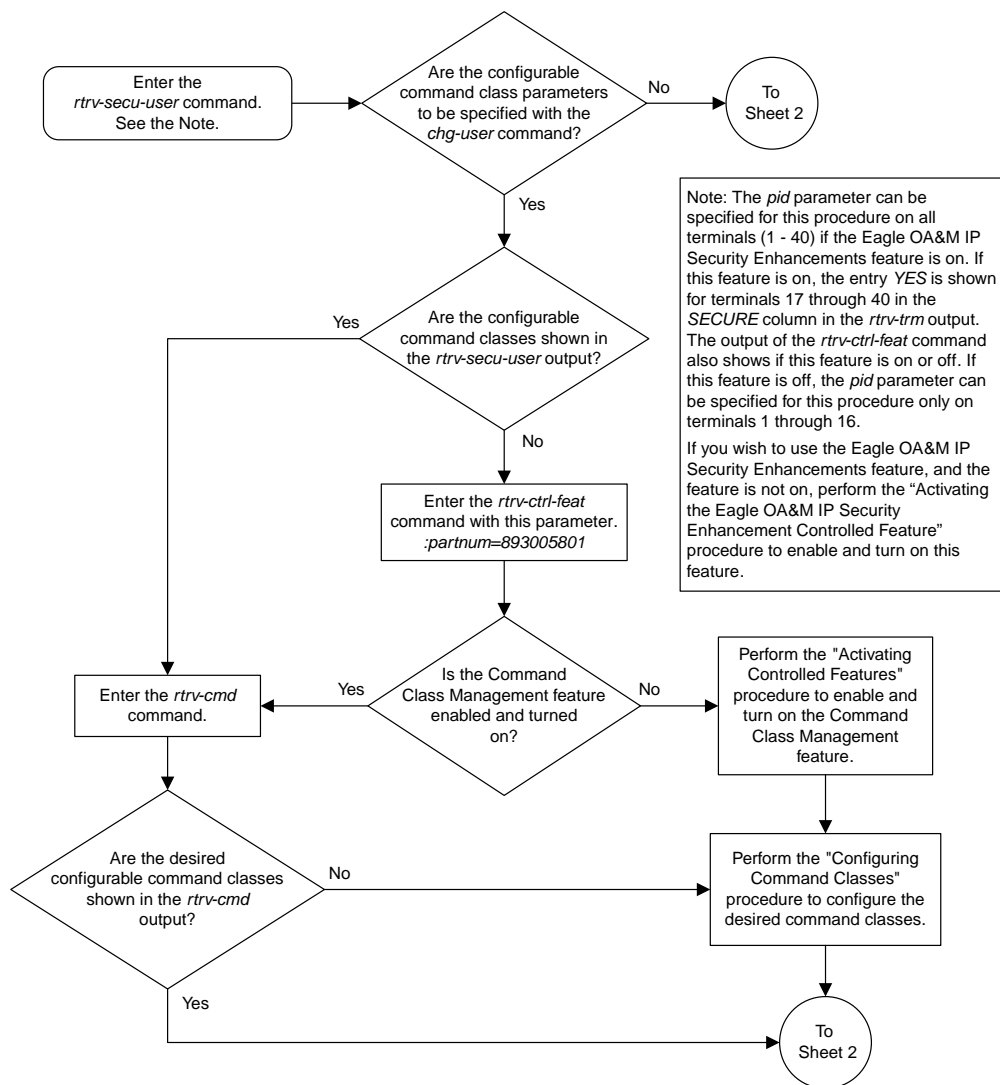


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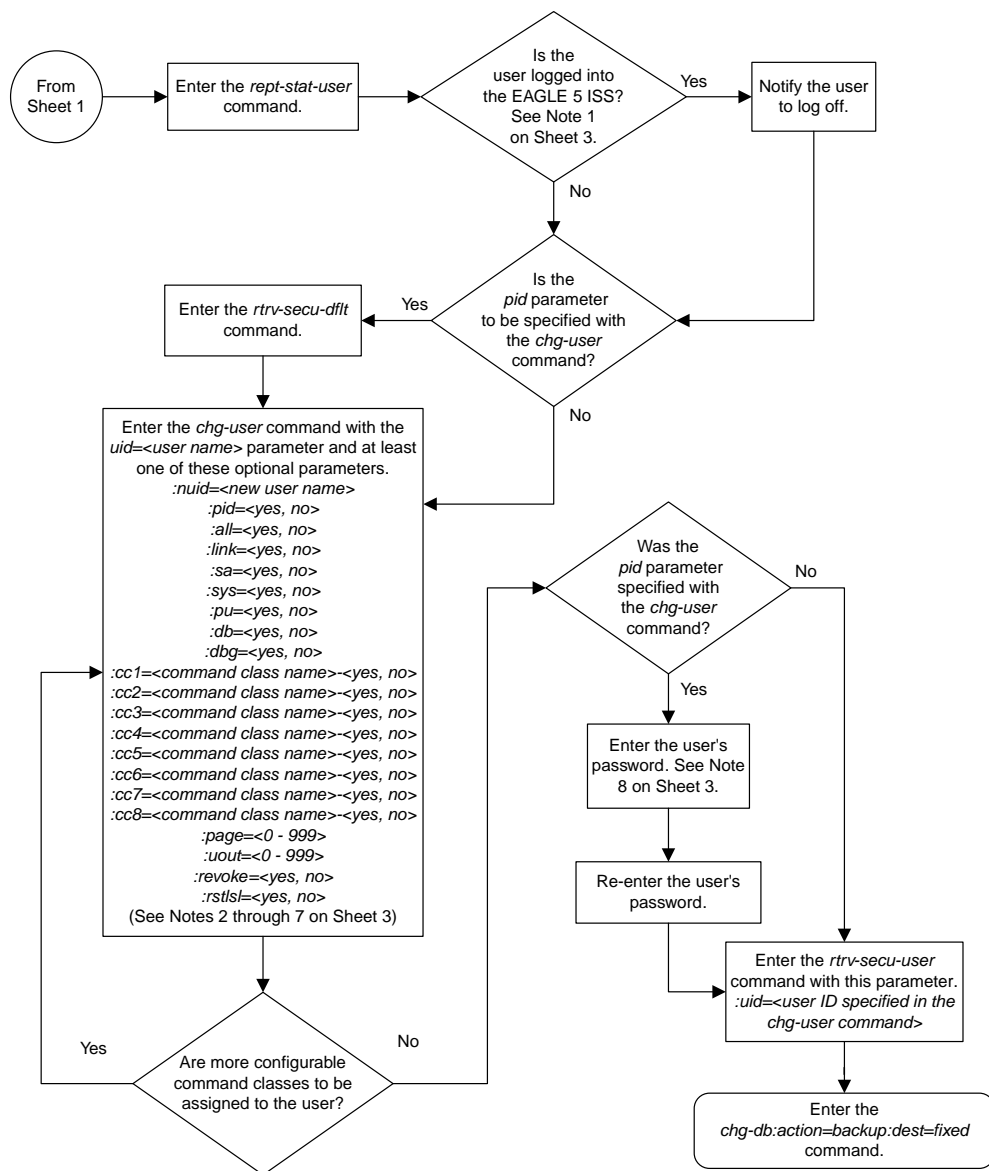
## Removing a User from the System



## Changing User Information



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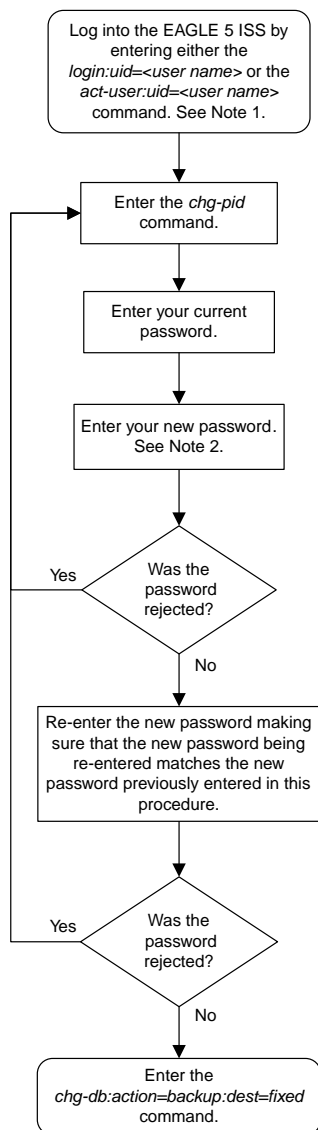


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## Notes:

1. A user ID cannot be changed while the user is logged on, except when the *revoke=yes* parameter is specified with the *chg-user* command. It is assumed that if the user ID is being revoked, the intent is to immediately deny the user access to the EAGLE 5 ISS. In this case, the user will be logged off when the database is updated.
2. The words SEAS and NONE are reserved by the EAGLE 5 ISS and cannot be specified as values for the *nuid* parameter.
3. The *revoke=yes* parameter cannot be specified when the *sa* parameter value is *yes*.
4. To specify the *cc1* through *cc8* parameters, the Command Class Management feature must be enabled and activated.
5. The user can have a maximum of 32 configurable command classes assigned.
6. The *all* parameter specifies whether or not all non-configurable command classes (*link*, *sa*, *sys*, *pu*, *db*, *dbg*) can be used by the user.
7. If the *all* parameter and individual non-configurable command classes are specified with the *ent-user* command, the value of the specified individual non-configurable command classes overrides the value of the *all* parameter.
8. The password must adhere to all password provisioning rules as shown in the *rtrv-secu-dflt* output. These rules are displayed on the screen after the *chg-user* command is entered with the *pid=yes* parameter.

## Changing a Password



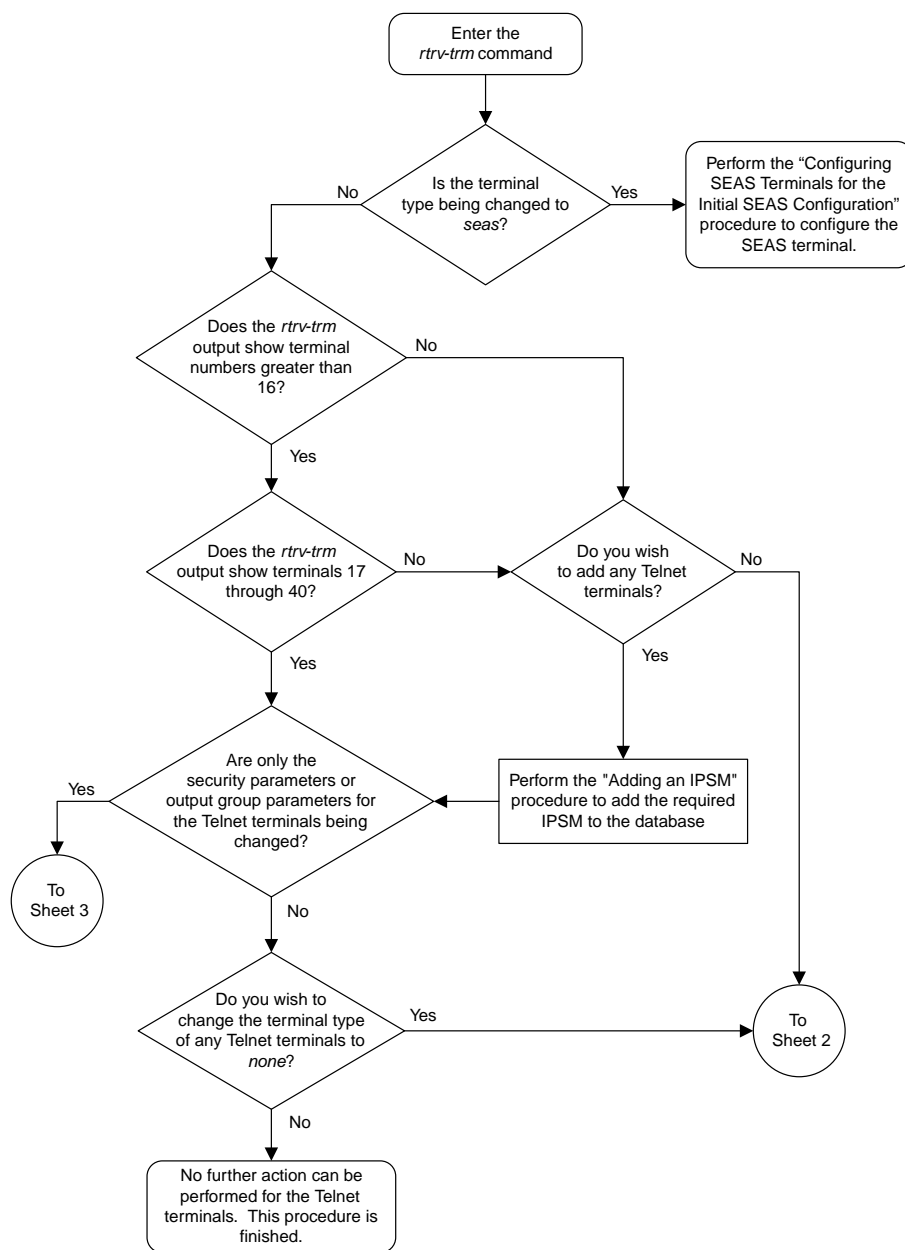
### Notes:

1. This procedure can be performed on all terminals (1 - 40) if the Eagle OAM IP Security Enhancements feature is on. If this feature is on, the entry YES is shown for terminals 17 through 40 in the SECURE column in the *rtrv-trm* output. The output of the *rtrv-ctrl-feat* command also shows if this feature is on or off. If this feature is off, this procedure can be performed only on terminals 1 through 16. If you wish to use the Eagle OAM IP Security Enhancements feature, and the feature is not on, go to the "Activating the Eagle OAM IP Security Enhancement Controlled Feature" procedure to enable and activate this feature.

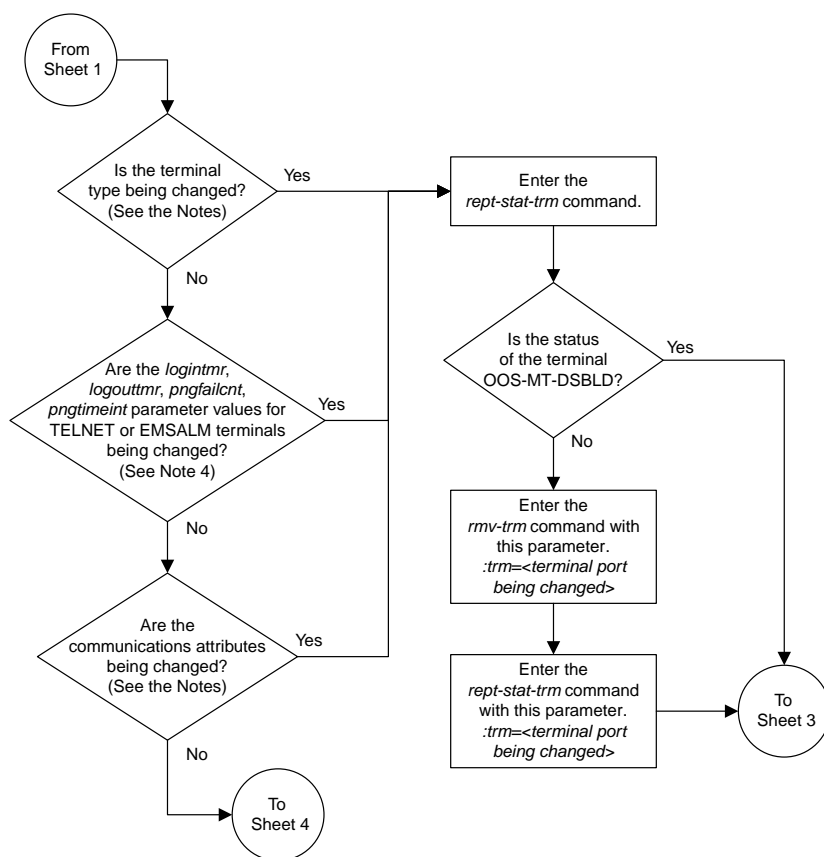
2. When you are prompted to enter the new password, the minimum requirements for passwords are displayed after the current password is entered at the *Enter Old Password:* prompt. Make sure the new password meets these requirements and the requirements in the Rules for Changing a Password section of the "Changing a Password" procedure in the *Database Administration Manual – System Management*.



## Changing Terminal Characteristics

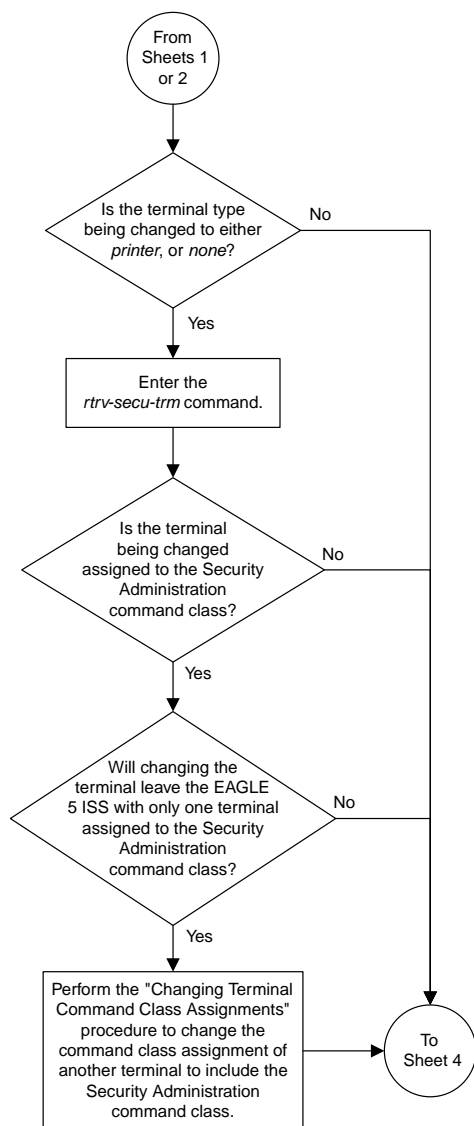


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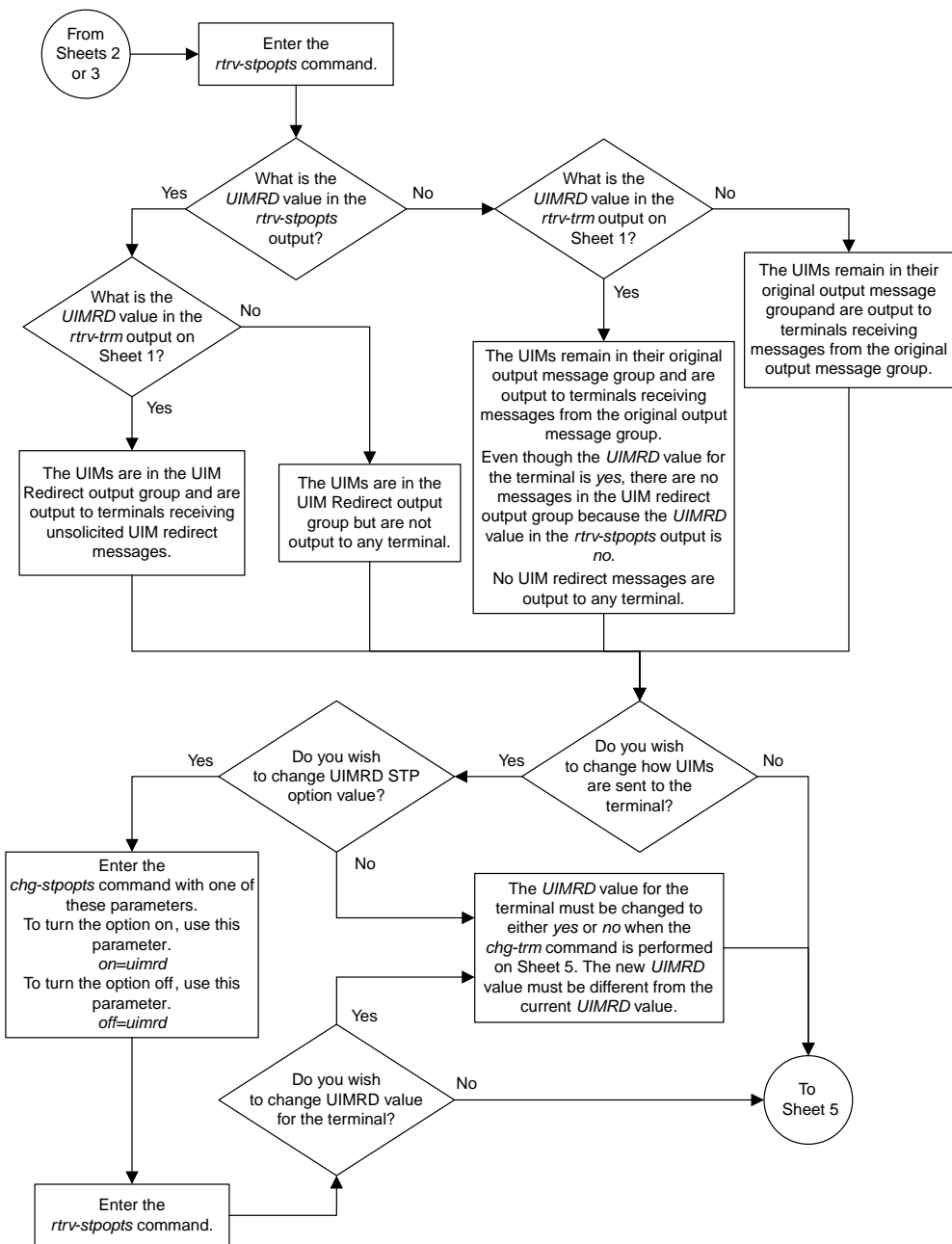


## Notes:

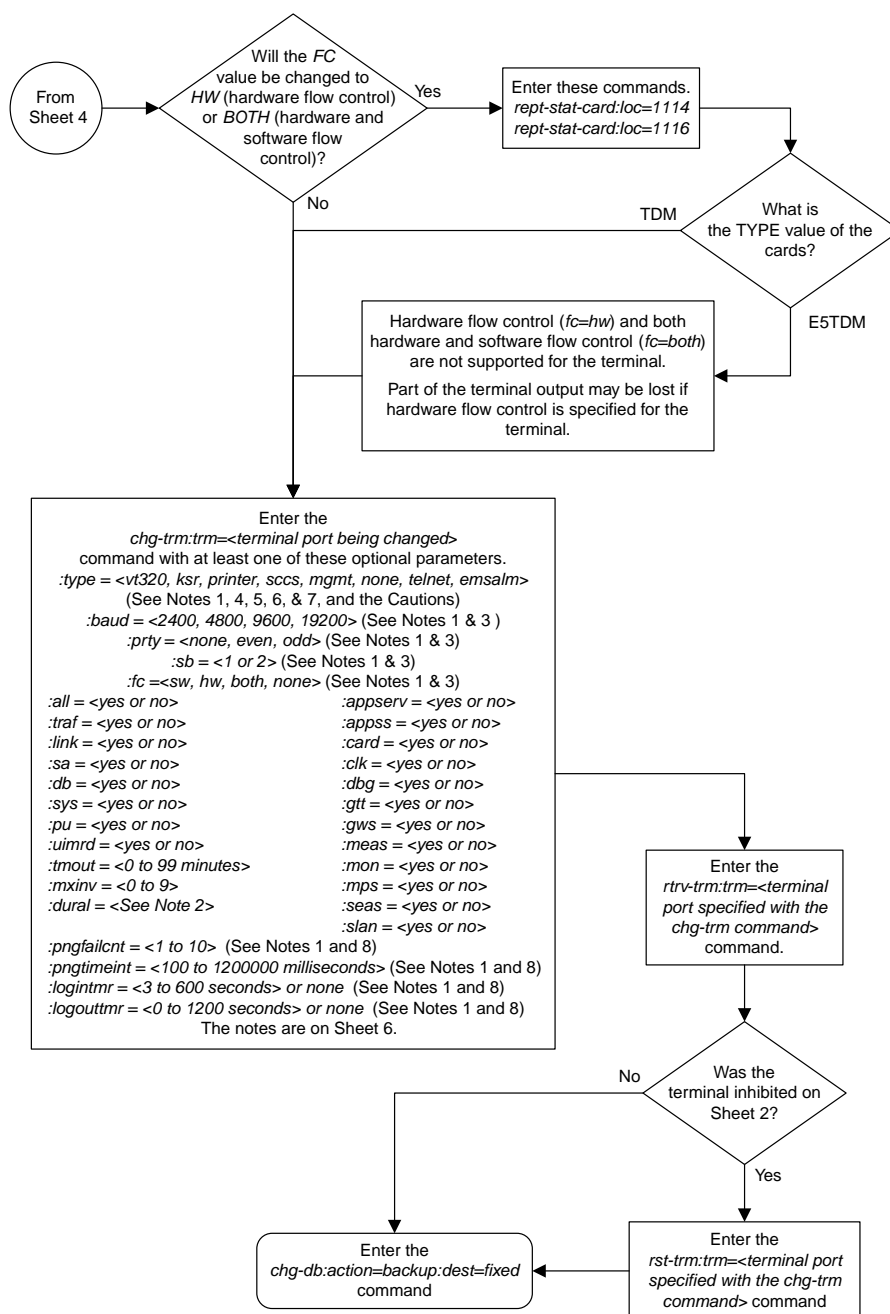
1. If the terminal numbers are from 17 to 40, the values for the *type* parameter can be only *telnet*, *none*, or *emsalm*. The communication attributes for these terminals cannot be specified.
2. If the terminal numbers are from 1 to 16, the values for the *type* parameter can be *vt320*, *ksr*, *printer*, *sccs*, *mgmt*, *none*, or *emsalm*. The communication attributes for these terminals can be specified and changed.
3. The communications attributes are defined by these parameters: *baud* (baud rate), *prty* (parity), *sb* (stop bits), and *fc* (flow control).
4. The *logintrm* and *logouttrm* parameters can be specified only for TELNET terminals. The *pngfailcnt* and *pngtimeint* parameters can be specified only for TELNET and EMSALM terminals.



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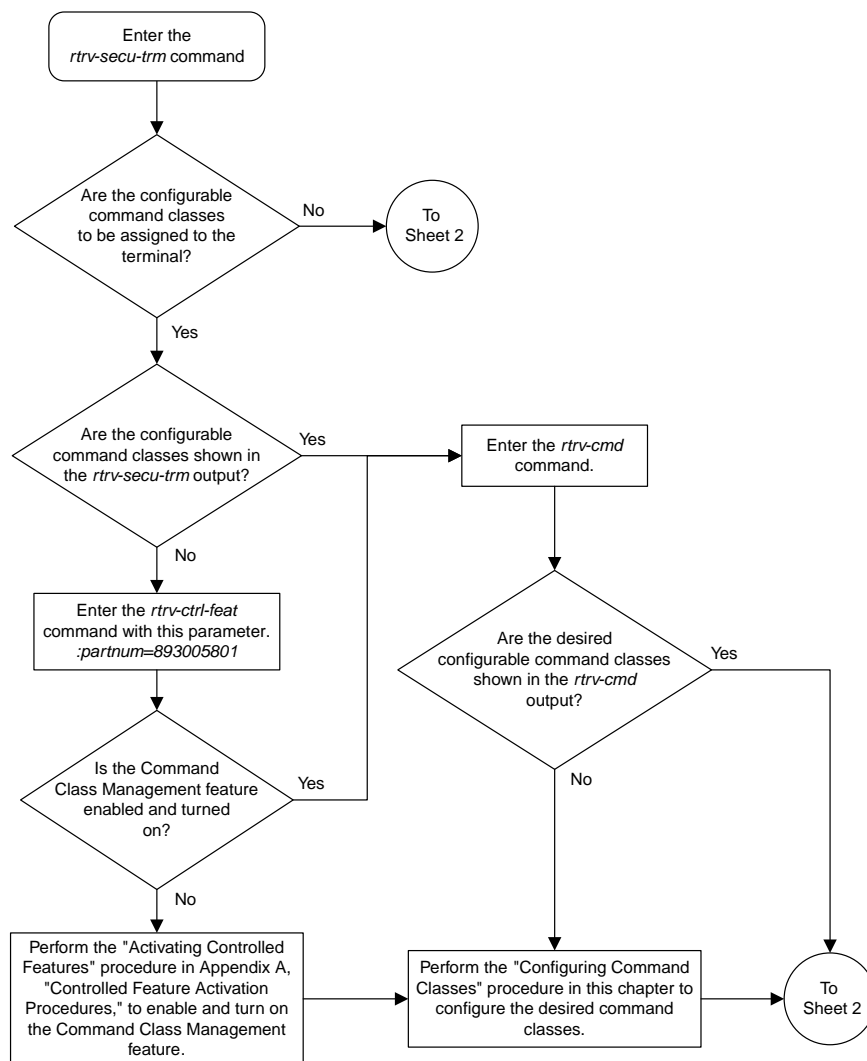
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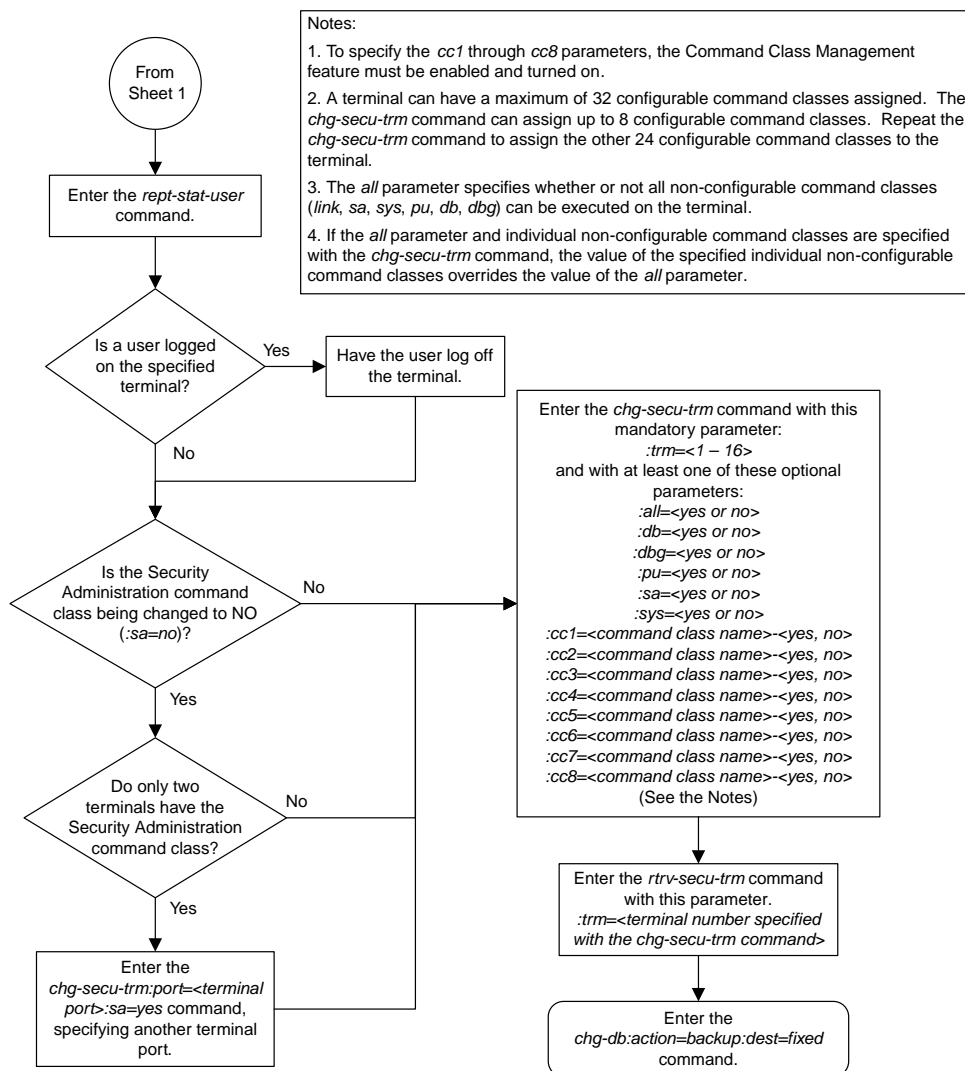
**Notes:**

1. If the terminal was not placed out of service on Sheet 2, this parameter cannot be specified with the *chg-trm* command.
  2. The value of the *dural* parameter can be expressed in seconds (0 - 59), minutes and seconds (0 - 5959), or hours, minutes, and seconds (0 - 995959). The value 999999 for the *dural* parameter disables the terminal, when the login failure threshold has been exceeded, for an indefinite period of time.
  3. This parameter cannot be specified for terminals 17 through 40.
  4. The *type=telnet* parameter cannot be specified for terminals 1 through 16. Valid terminal types for terminals 1 through 16 are *vt320*, *ksr*, *printer*, *sccs*, *mgmt*, *none*, or *emsalm*.
  5. For terminals 17 through 40, the value of the *type* parameter can be only *telnet*, *none*, or *emsalm*.
  6. The output group settings are set to *yes* when the terminal type is changed to *emsalm*. The output group settings for an EMSALM terminal can be changed.
- Caution:** It is recommended that all the output message group settings for an EMSALM terminal are set to *yes*. Changing any of the output message group settings to *no* could prevent alarm messages controlled by the output message group from being displayed on the EMSALM terminal.
- Caution:** If a terminal dedicated to measurements collection is configured (see the "Configuring the Measurements Terminal for a 700 Signaling Link System" procedure in this chapter), it is recommended that this terminal is not changed to an EMSALM terminal.
7. The output group settings are not changed when the terminal type is changed from *emsalm* to another terminal type.
  8. The *logintmr* and *logouttmr* parameters can be specified only for TELNET terminals. The *pngfailcnt* and *pngtimeint* parameters can be specified only for TELNET and EMSALM terminals.

## Changing Terminal Command Class Assignments

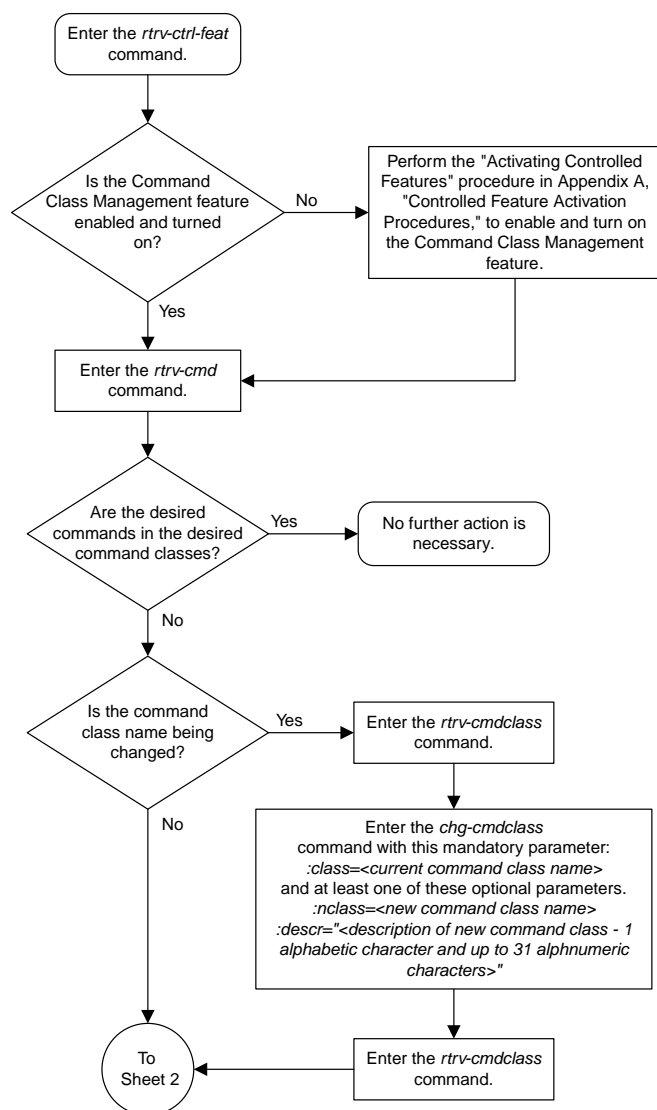


Sheet 1 of 2

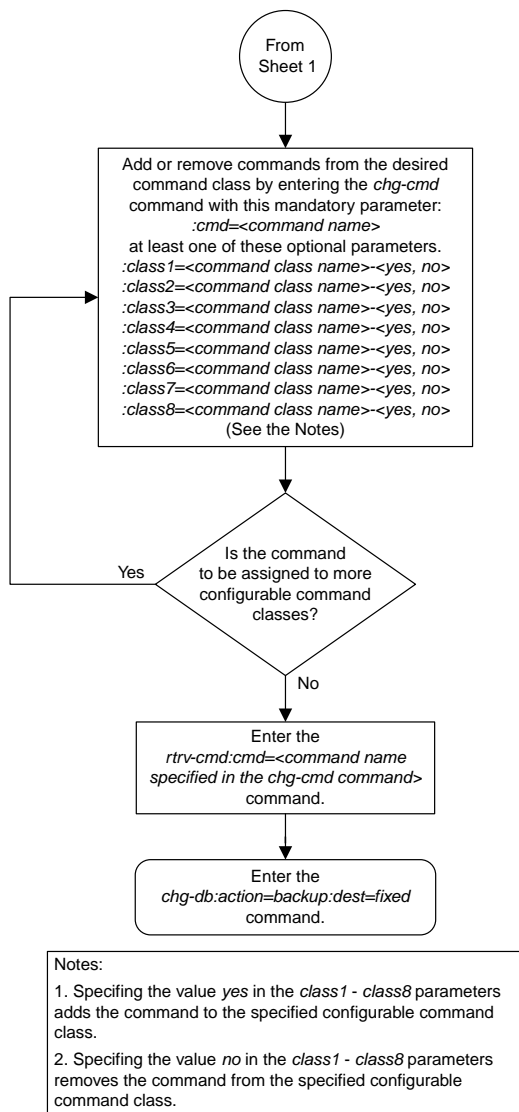




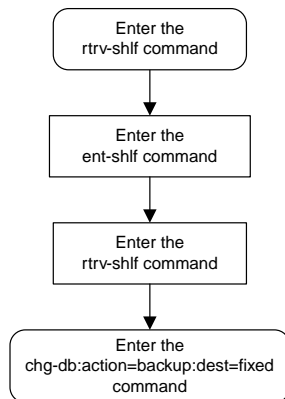
## Configuring Command Classes



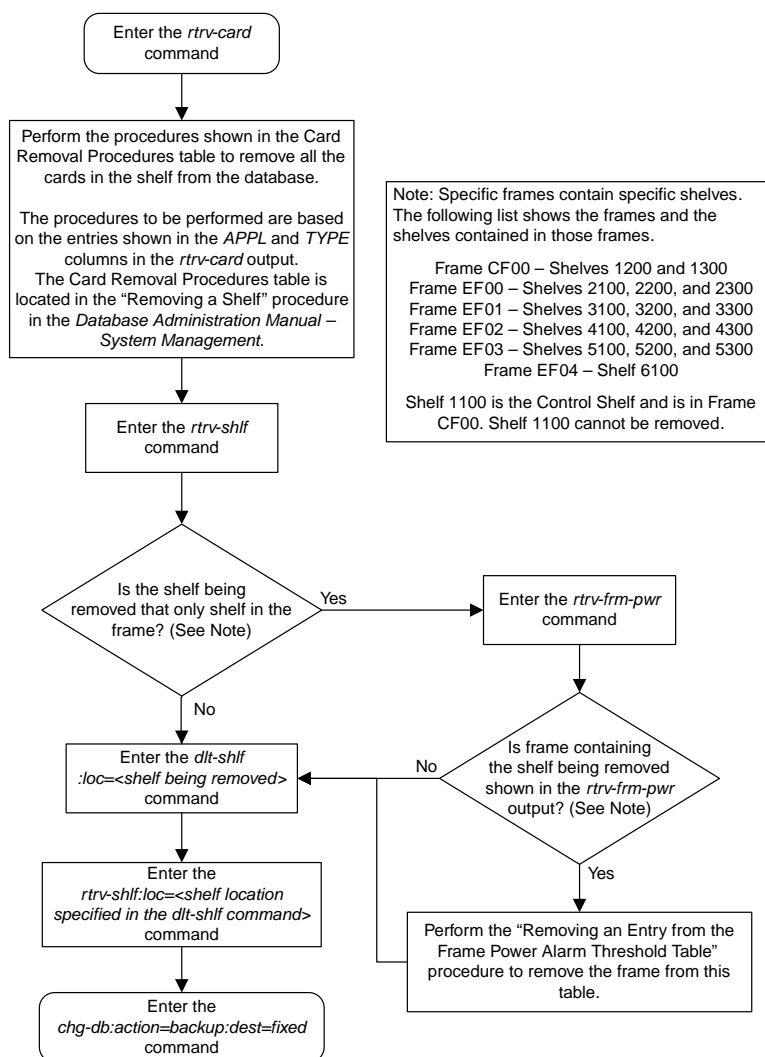
Sheet 1 of 2



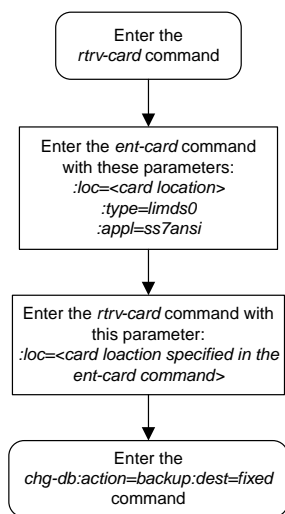
## Adding a Shelf



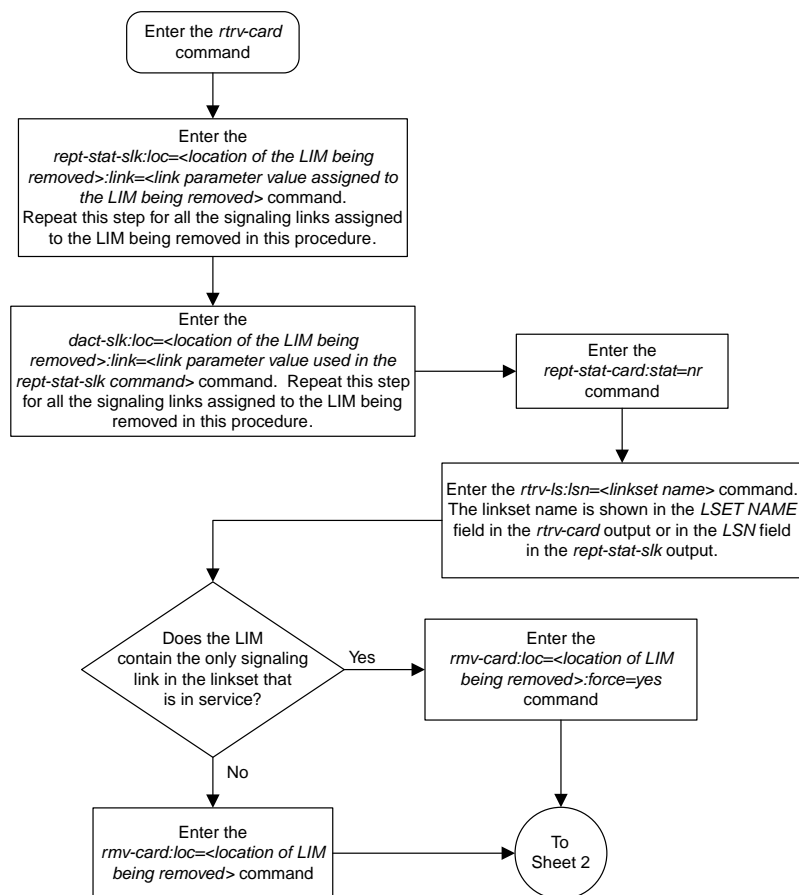
## Removing a Shelf

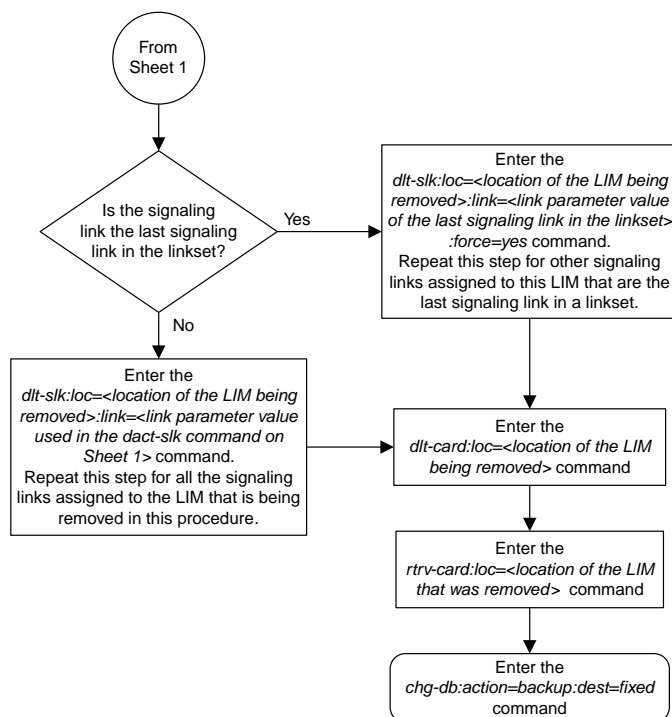


## Adding an SS7 LIM



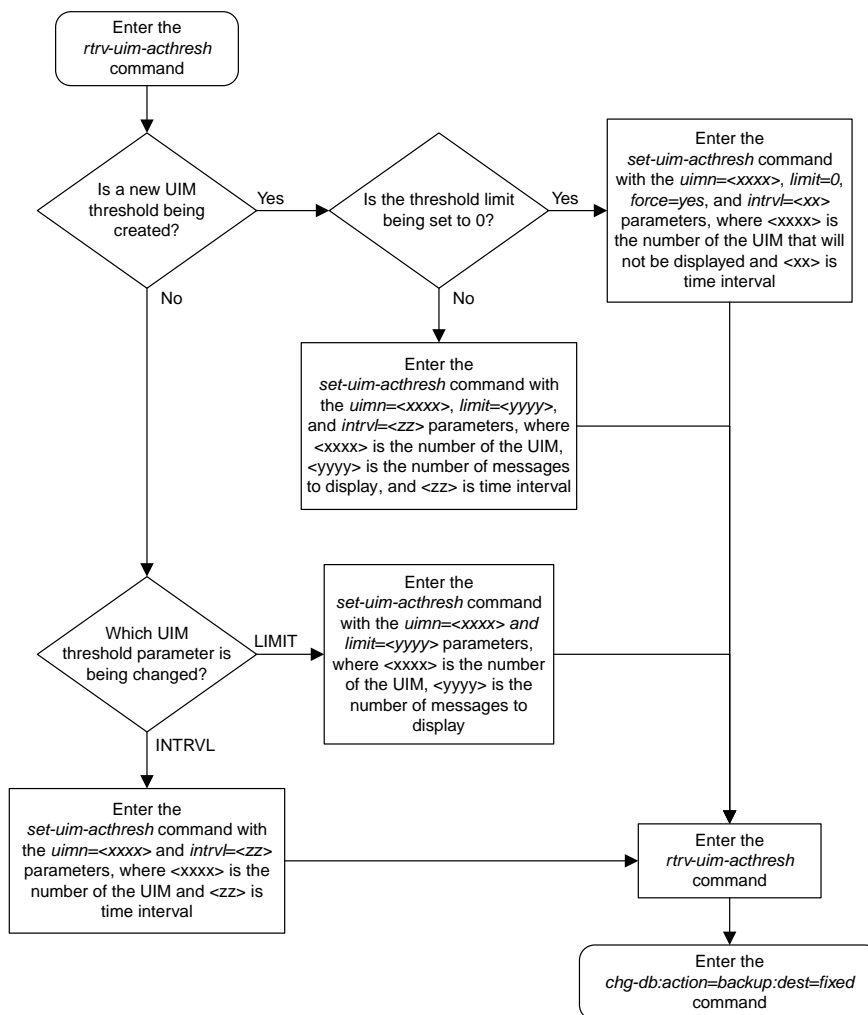
## Removing an SS7 LIM





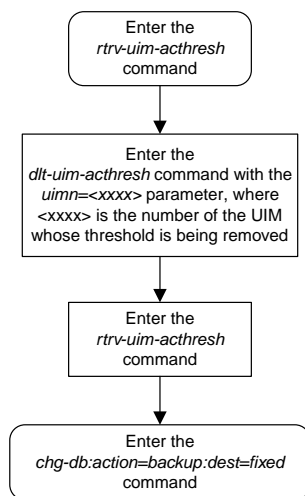
Sheet 2 of 2

## Configuring the UIM Threshold

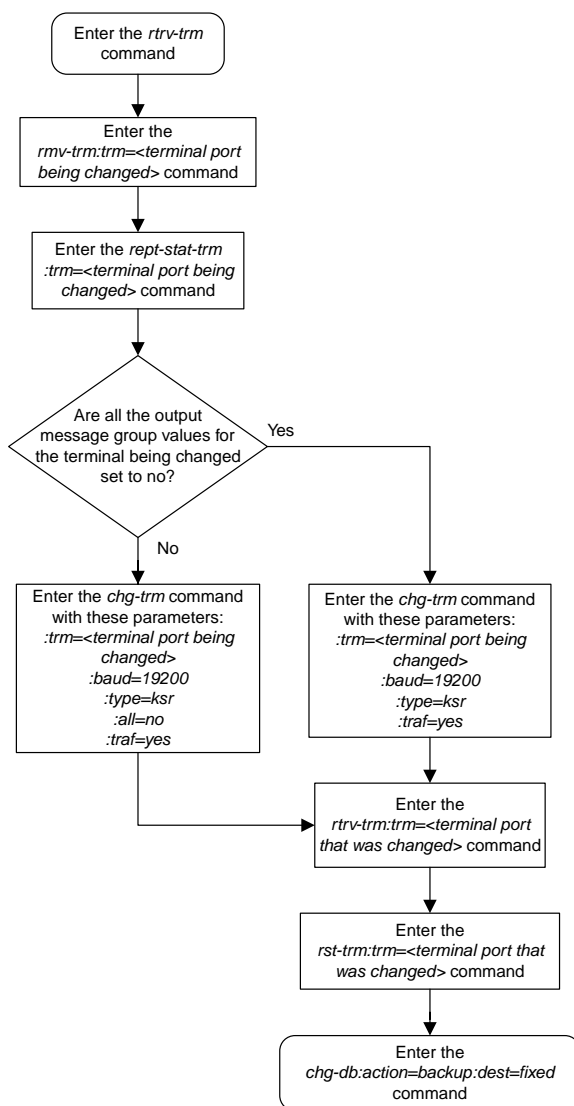




## Removing a UIM Threshold

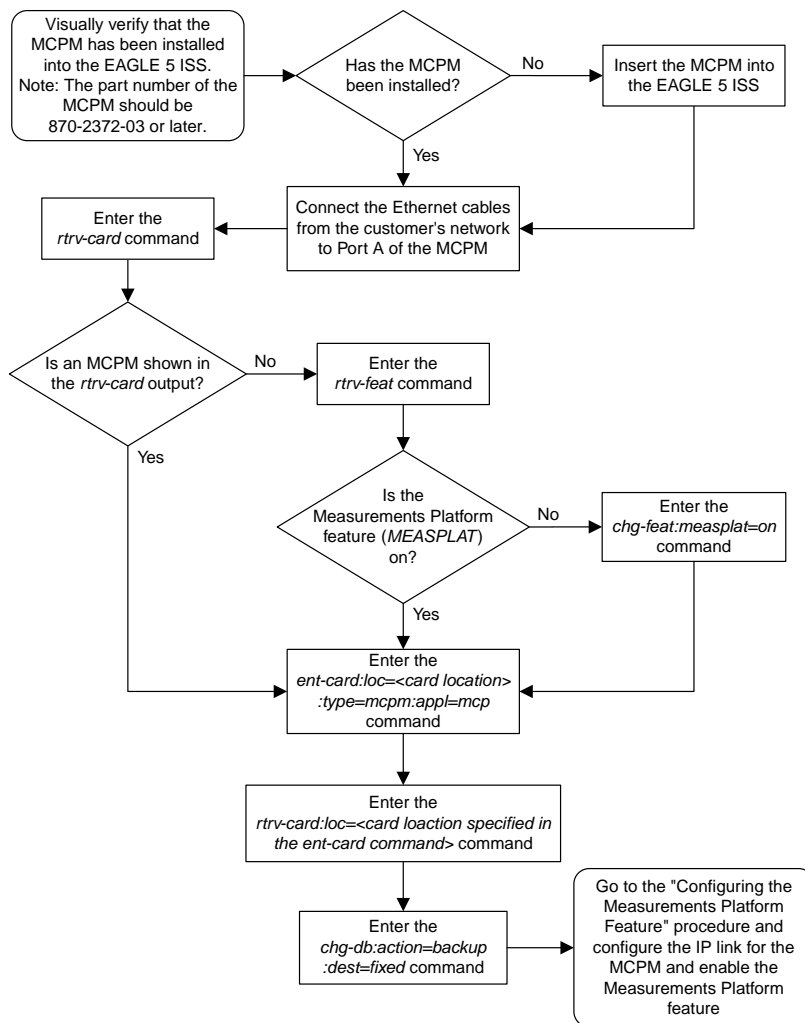


## Configuring the Measurements Terminal for an EAGLE 5 ISS Containing 700 Signaling Links

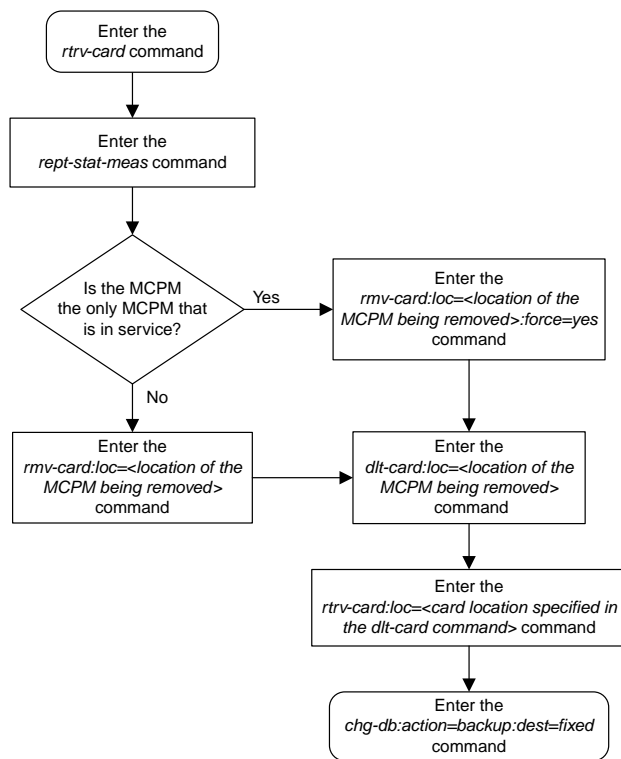


## Adding an MCPM

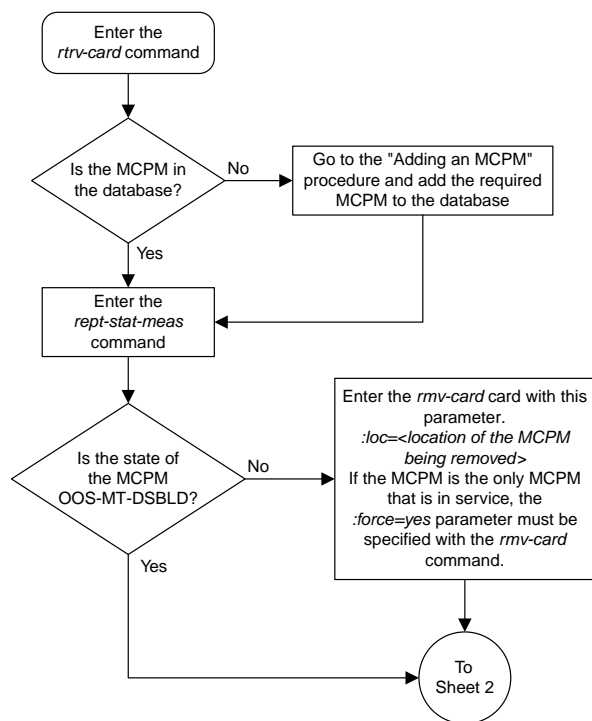
**Note:** Before executing this procedure, make sure you have purchased the Measurements Platform feature. If you are not sure whether you have purchased the Measurements Platform feature, contact your Tekelec Sales Representative or Account Representative.

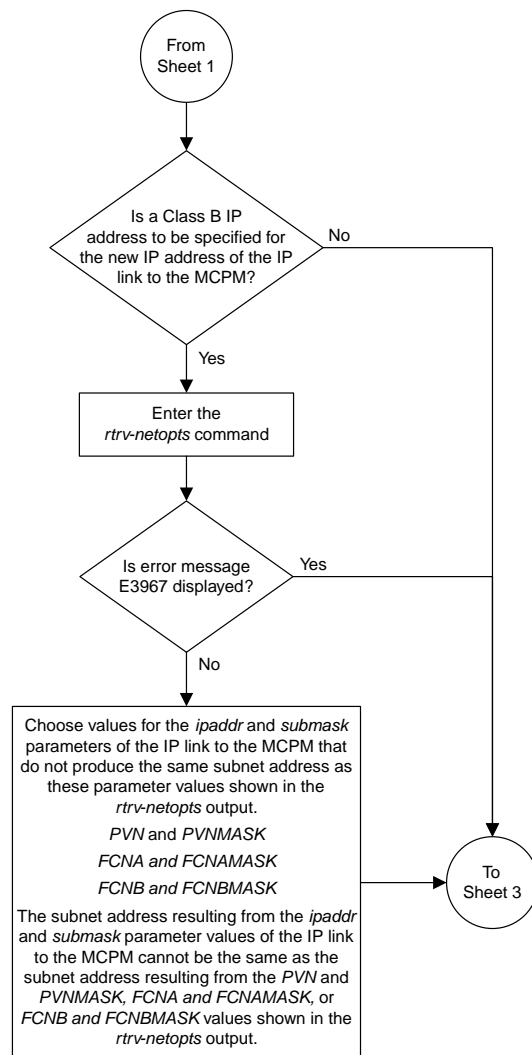


## Removing an MCPM

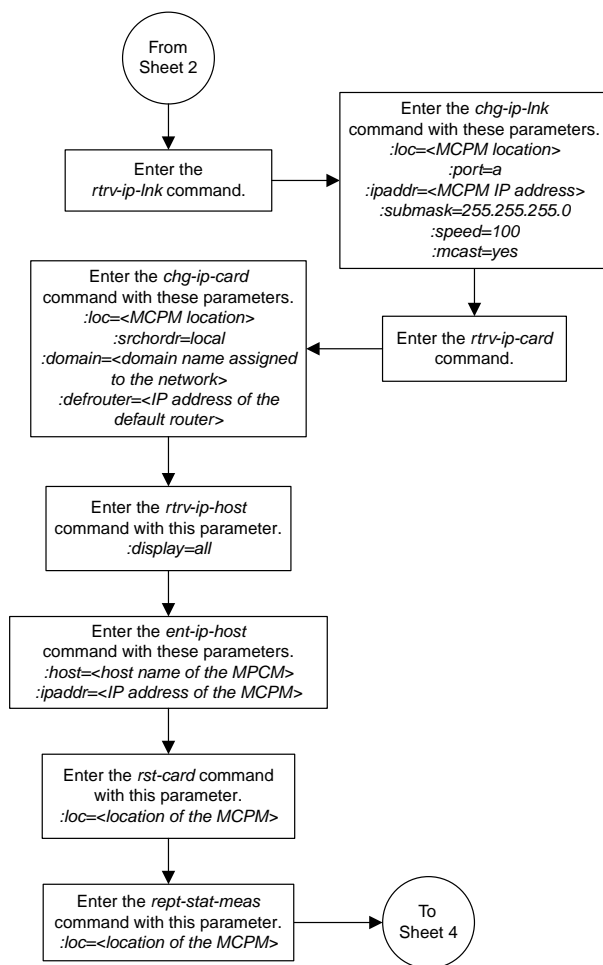


## Configuring the Measurements Platform Feature

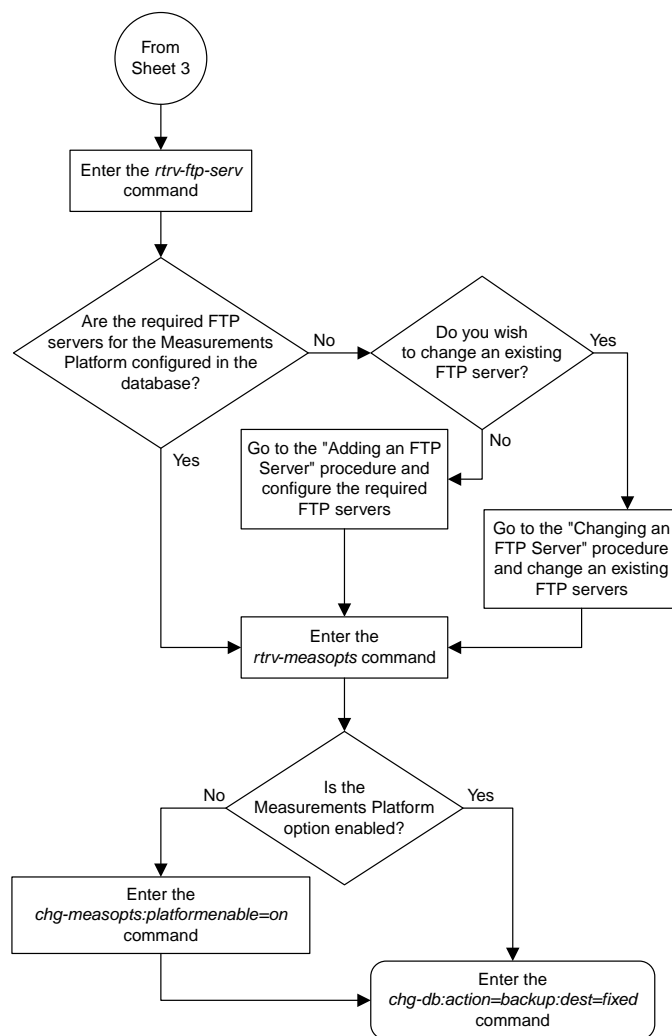




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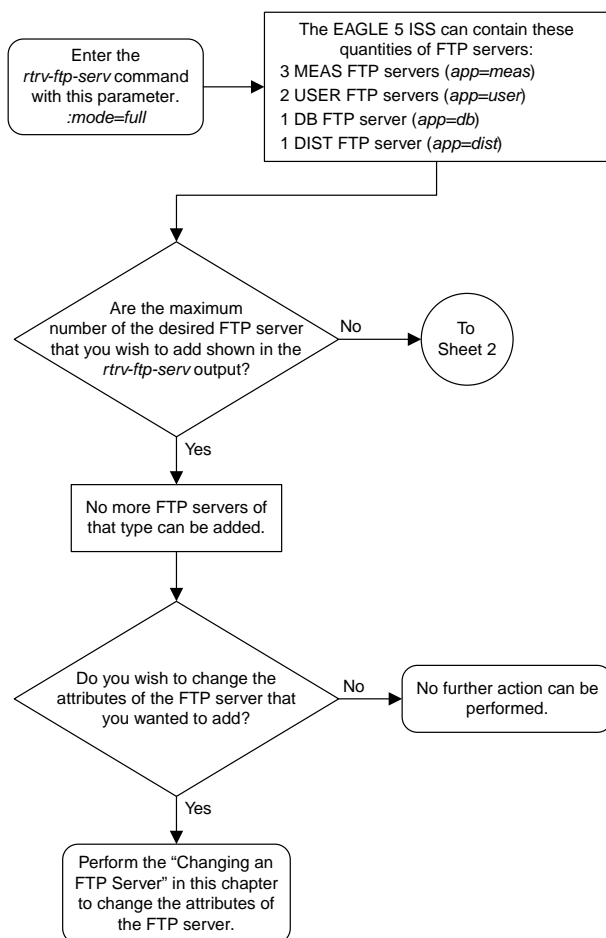


Sheet 3 of 4

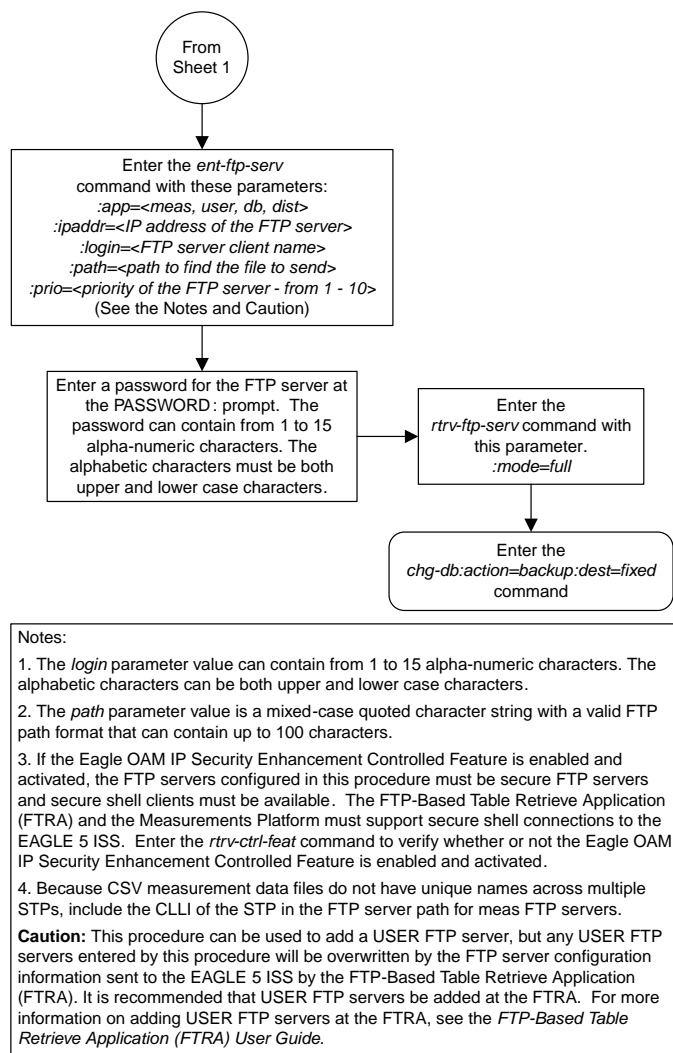




## Adding an FTP Server

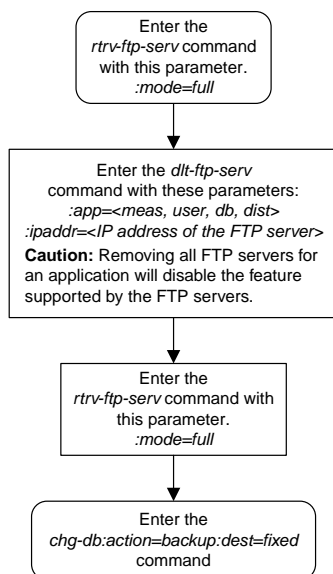


Sheet 1 of 2

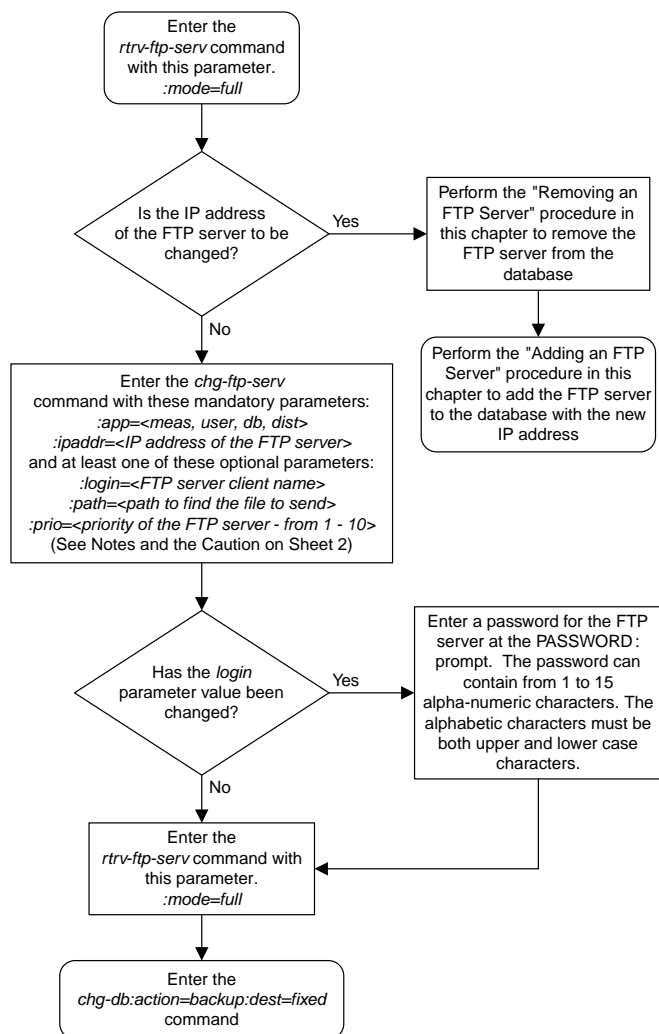


Sheet 2 of 2

## Removing an FTP Server



## Changing an FTP Server



**Notes:**

1. The *login* parameter value can contain from 1 to 15 alpha-numeric characters. The alphabetic characters can be both upper and lower case characters.

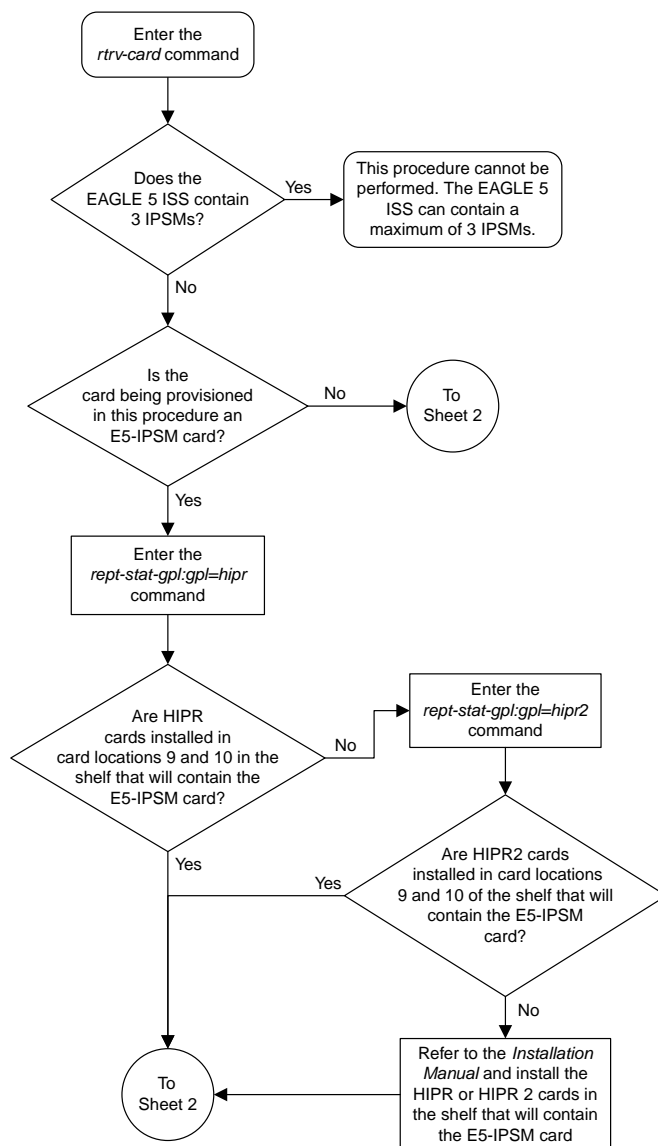
2. The *path* parameter value is a mixed-case quoted character string with a valid FTP path format that can contain up to 100 characters.

3. If the Eagle OAM IP Security Enhancement Controlled Feature is enabled and activated, the FTP servers configured in this procedure must be secure FTP servers and secure shell clients must be available. The FTP-Based Table Retrieve Application (FTRA) and the Measurements Platform must support secure shell connections to the EAGLE 5 ISS. Enter the *rtrv-ctrl-feat* command to verify whether or not the Eagle OAM IP Security Enhancement Controlled Feature is enabled and activated.

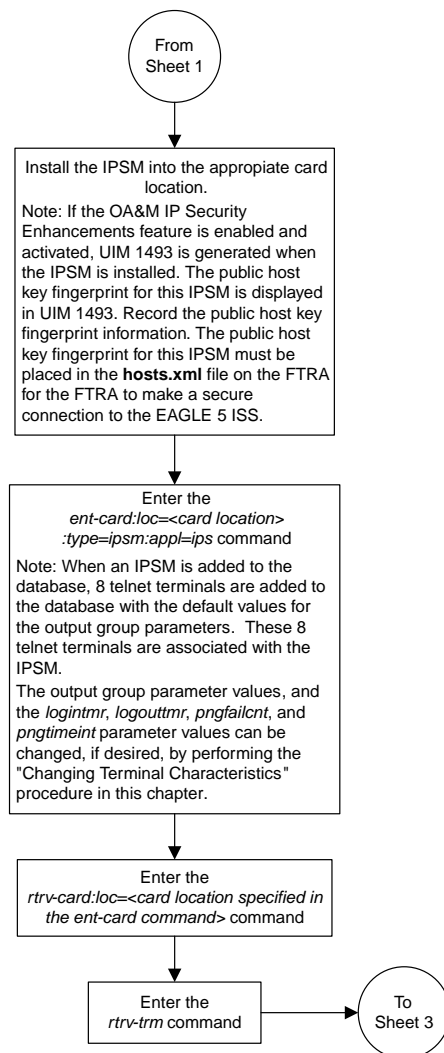
4. Because CSV measurement data files do not have unique names across multiple STPs, include the CLLI of the STP in the FTP server path for *meas* FTP servers.

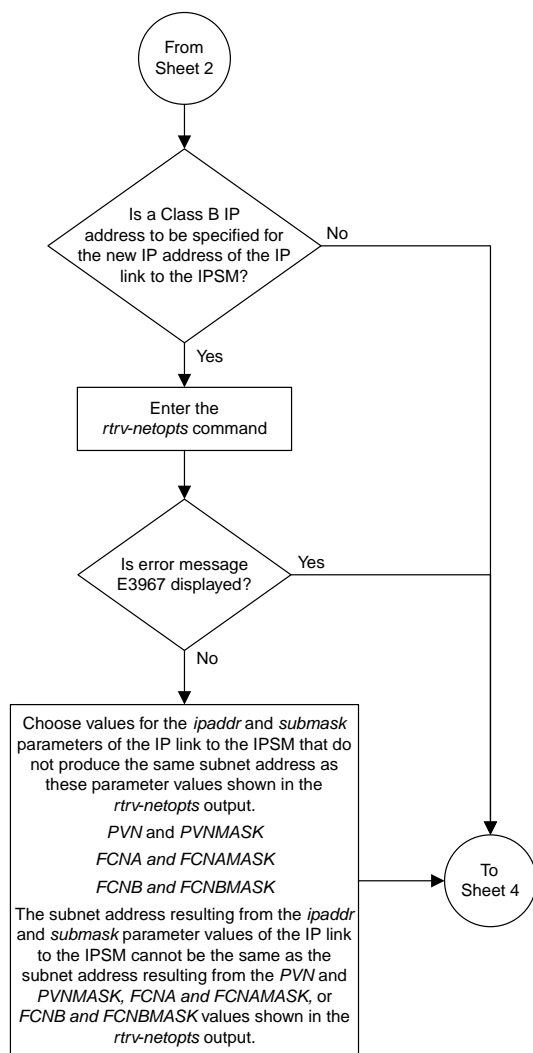
**Caution:** Changes to the USER FTP server configurations in this procedure may interfere with the operation of the FTP-Based Table Retrieve Application (FTRA). It is recommended that any changes to the USER FTP server configurations be made at the FTRA. For more information on making these changes at the FTRA, see the *FTP-Based Table Retrieve Application (FTRA) User Guide*.

## Adding an IPSM



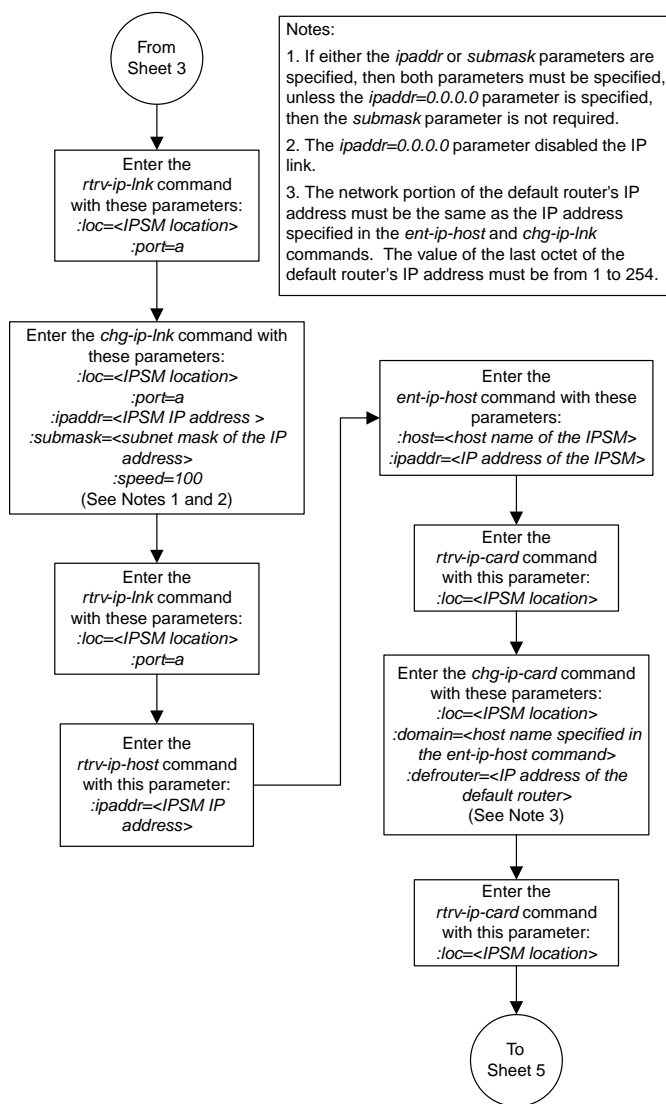
Sheet 1 of 6



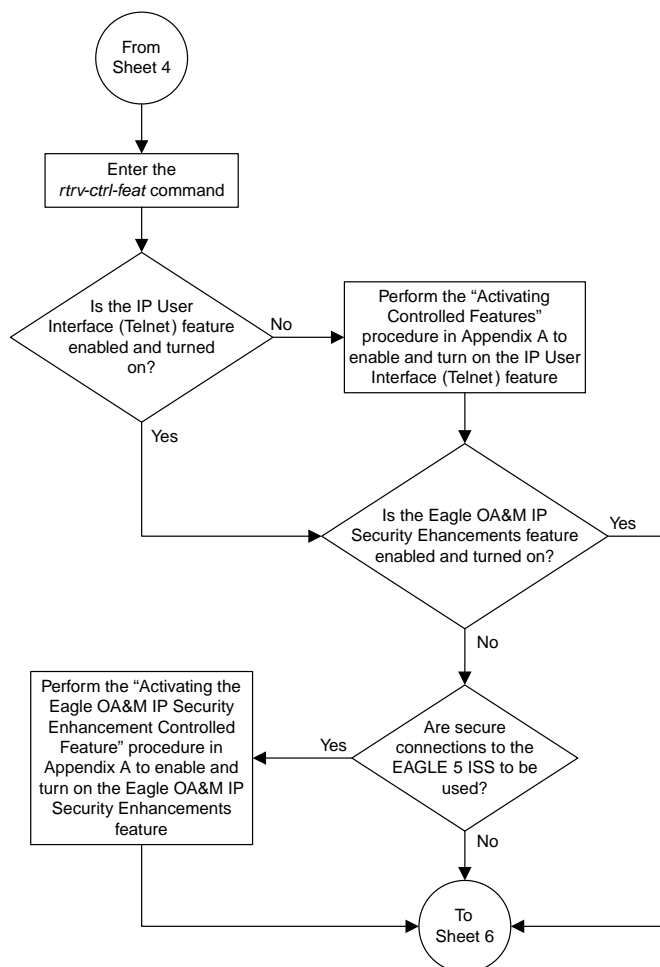


Sheet 3 of 6

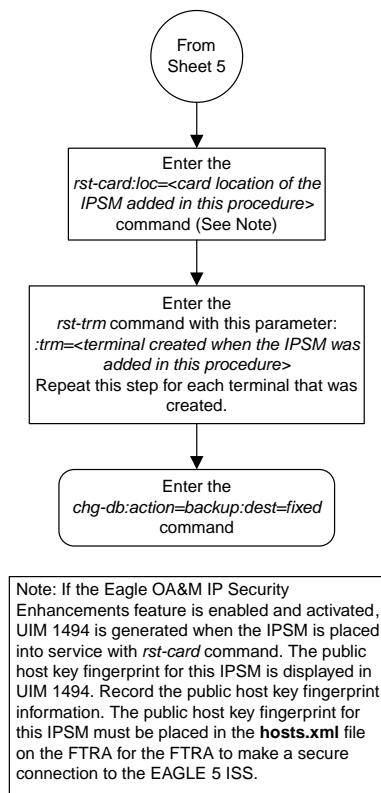




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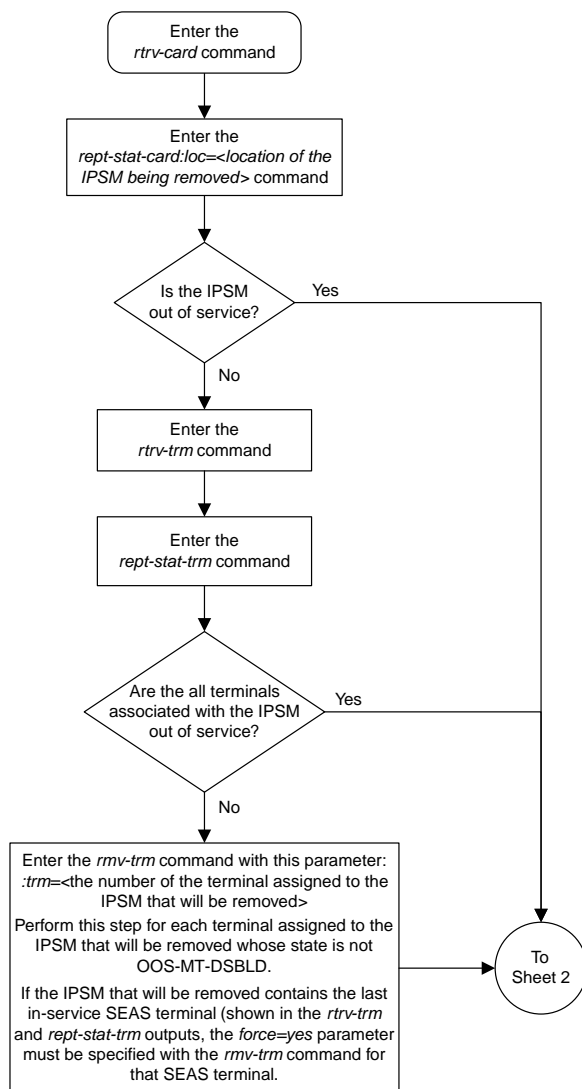


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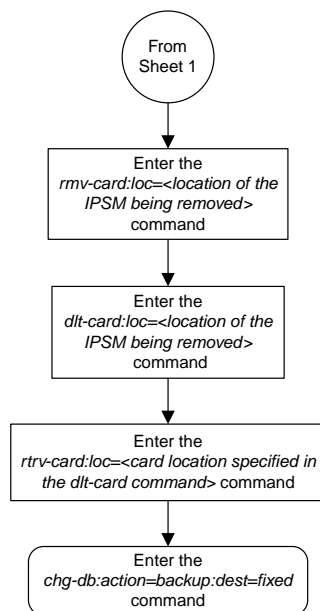


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## Removing an IPSM

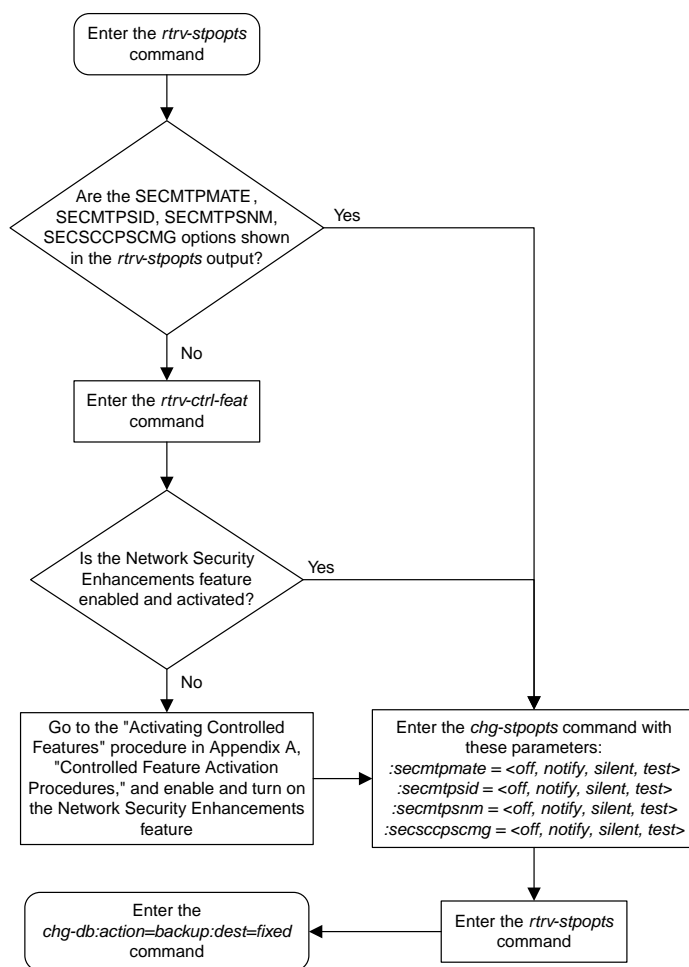


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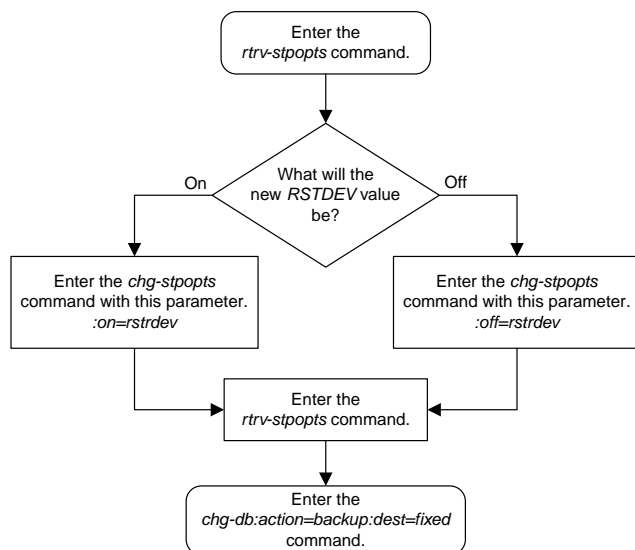


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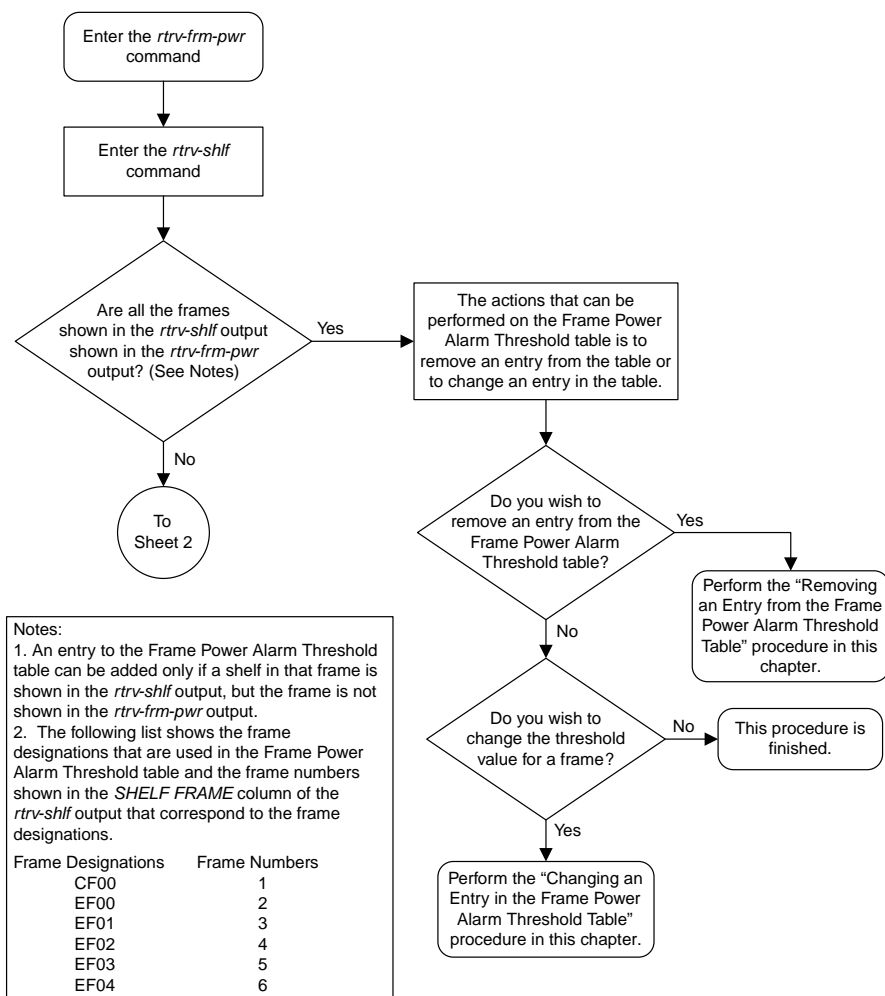
## Configuring the Options for the Network Security Enhancements Feature



## Configuring the Restore Device State Option

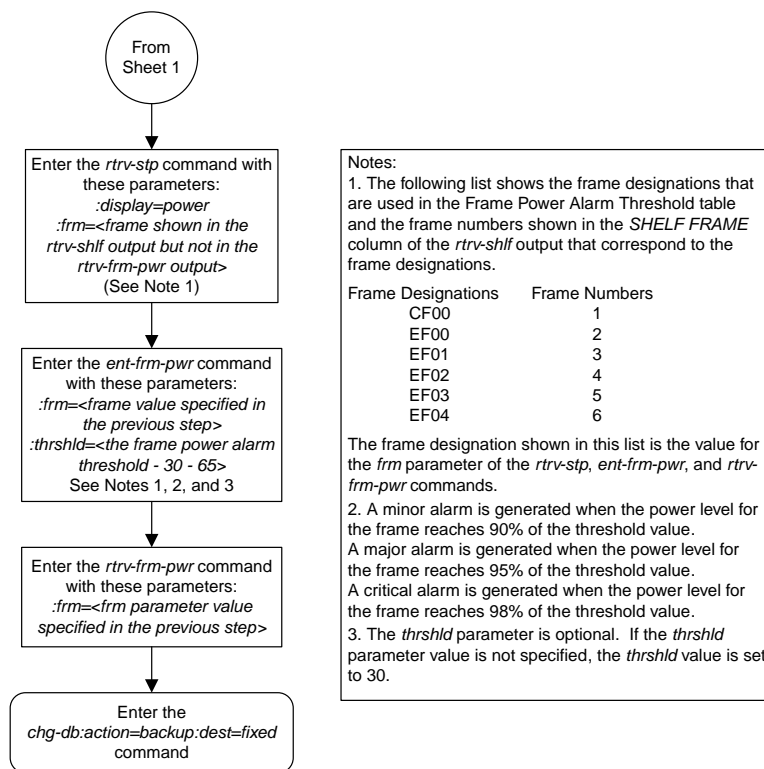


## Adding an Entry to the Frame Power Alarm Threshold Table

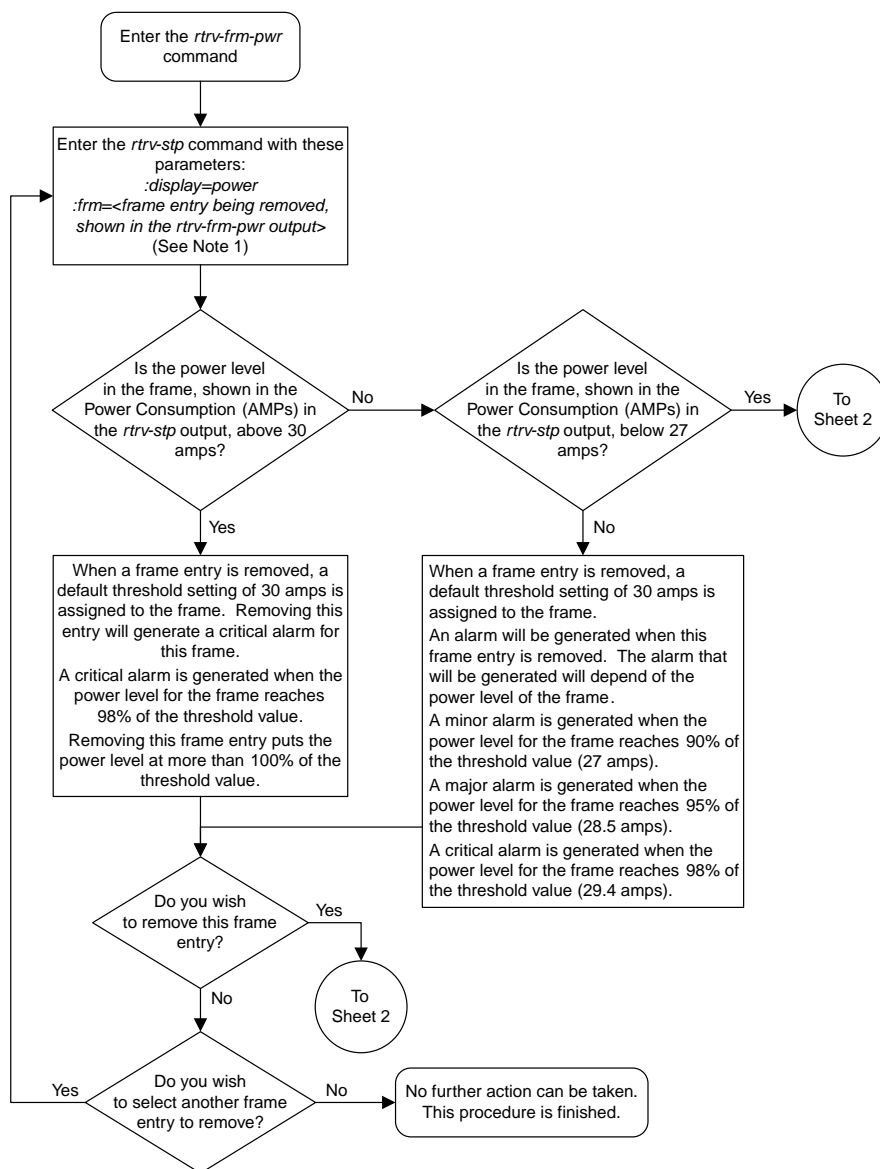


Sheet 1 of 2

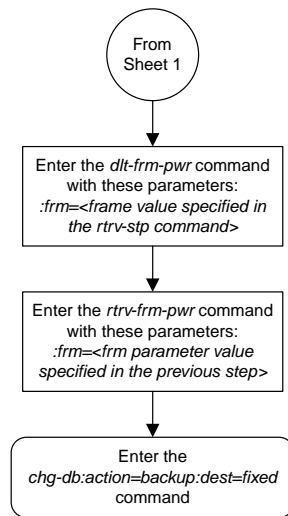




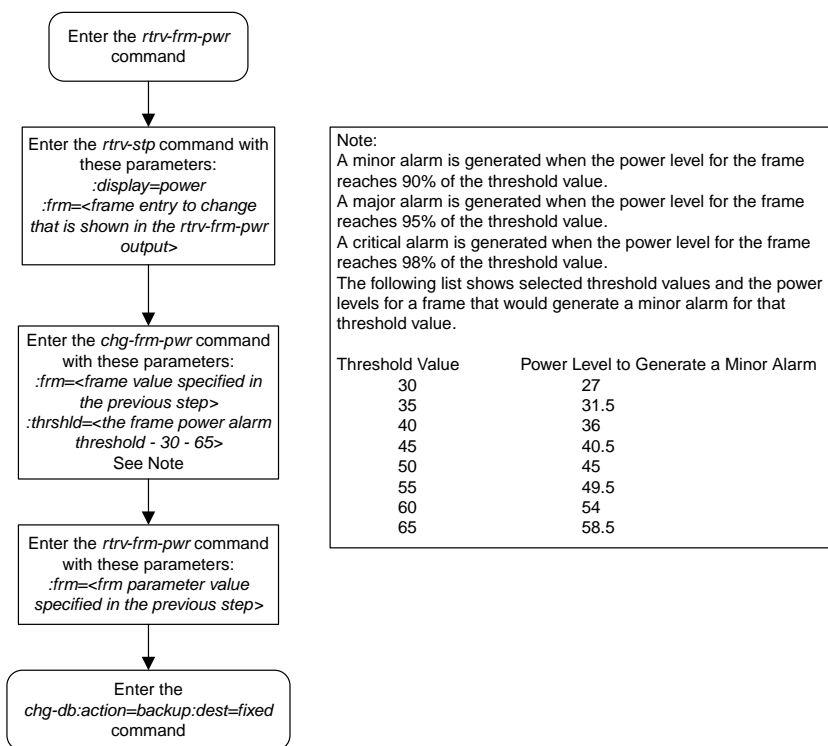
## Removing an Entry from the Frame Power Alarm Threshold Table



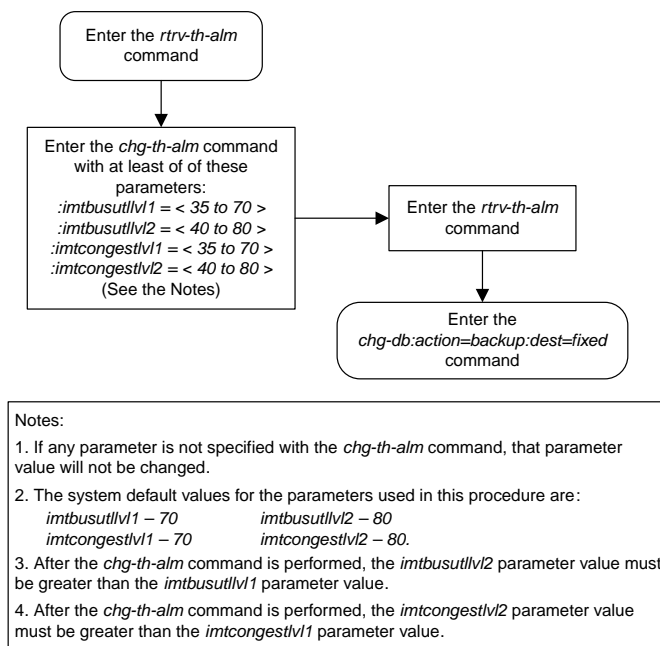
Sheet 1 of 2



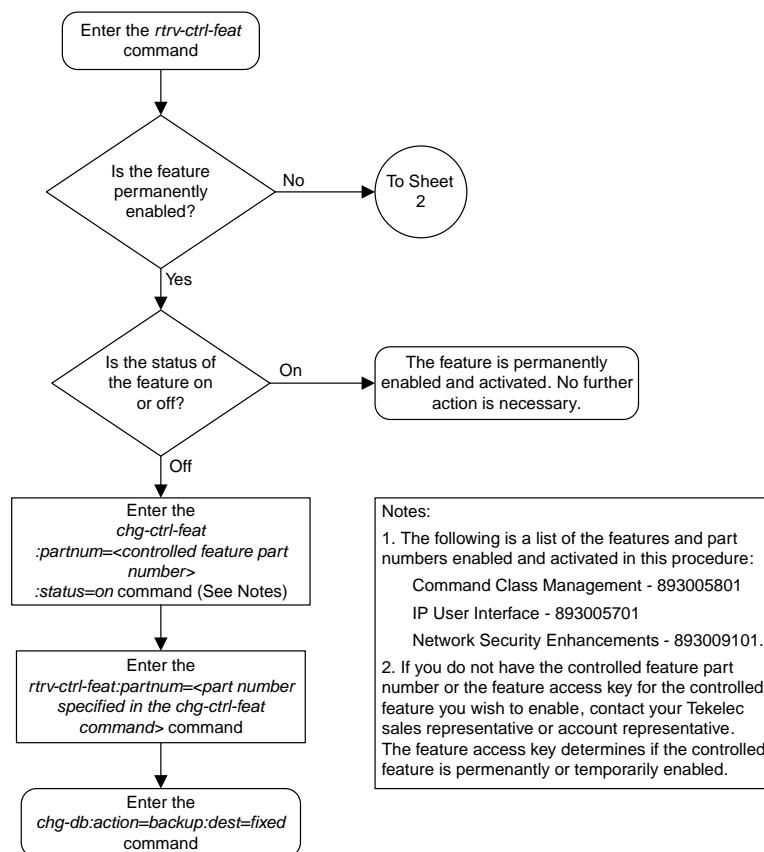
## Changing an Entry in the Frame Power Alarm Threshold Table

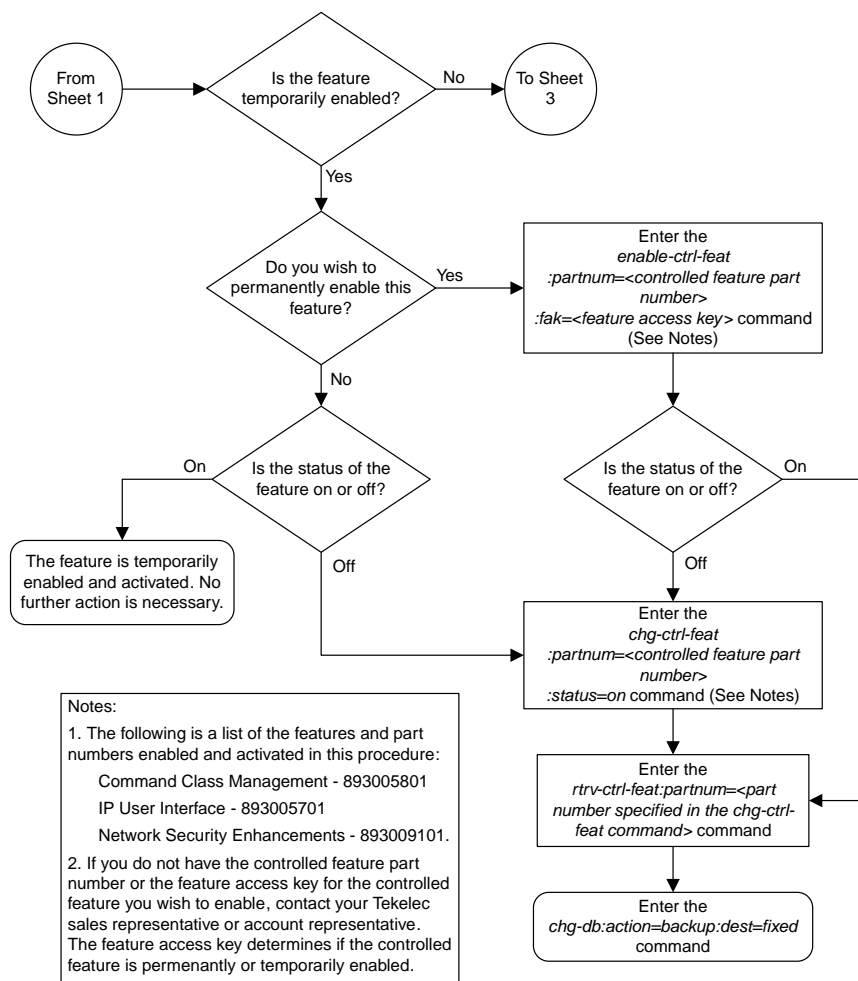


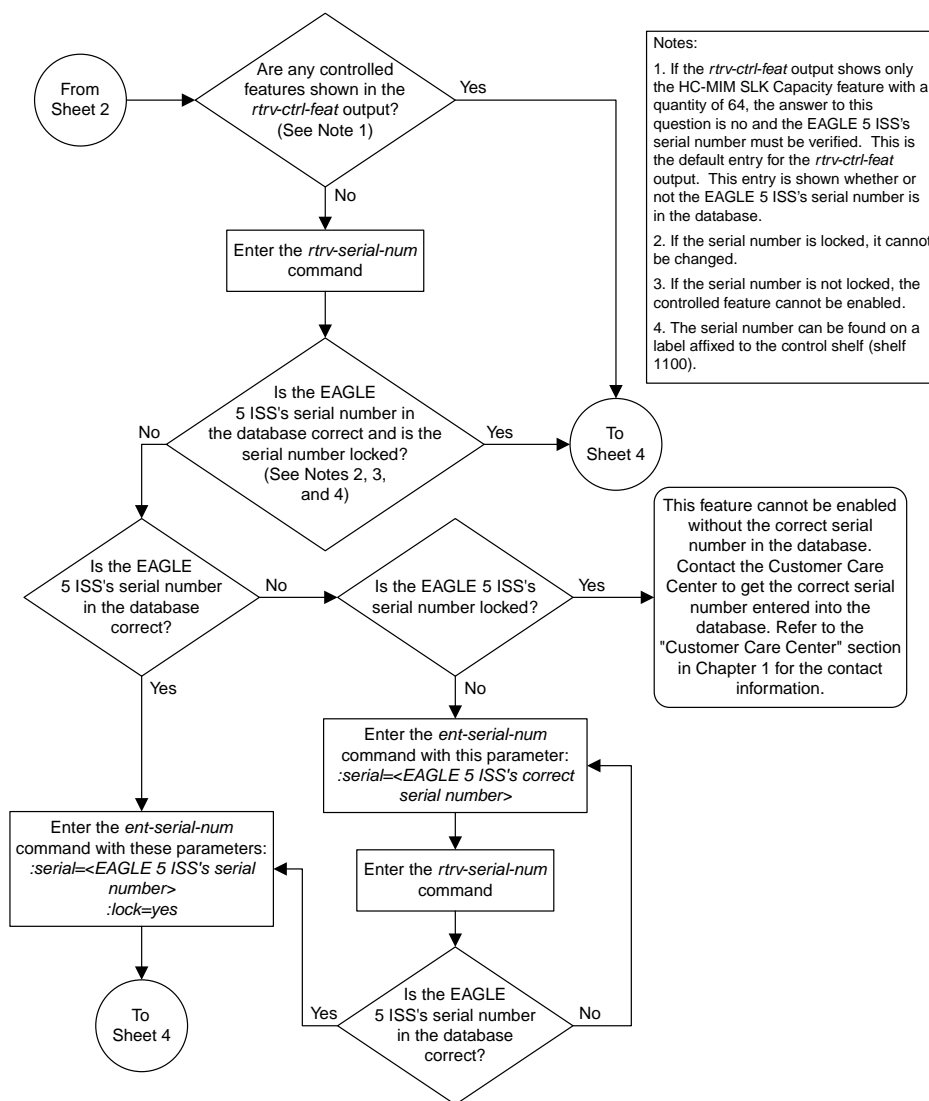
## Configuring the IMT Bus Alarm Thresholds



## Activating Controlled Features

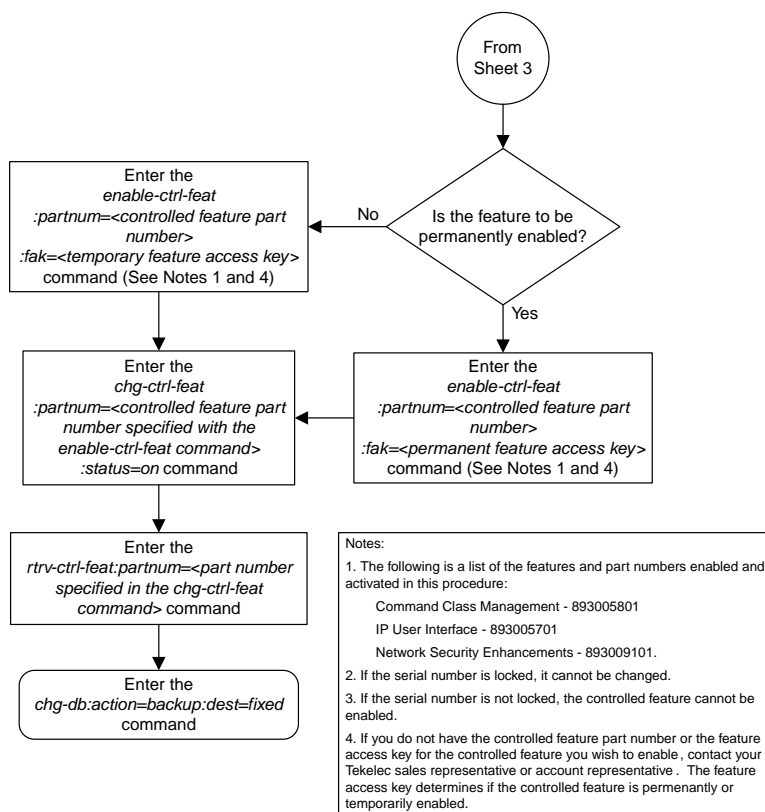




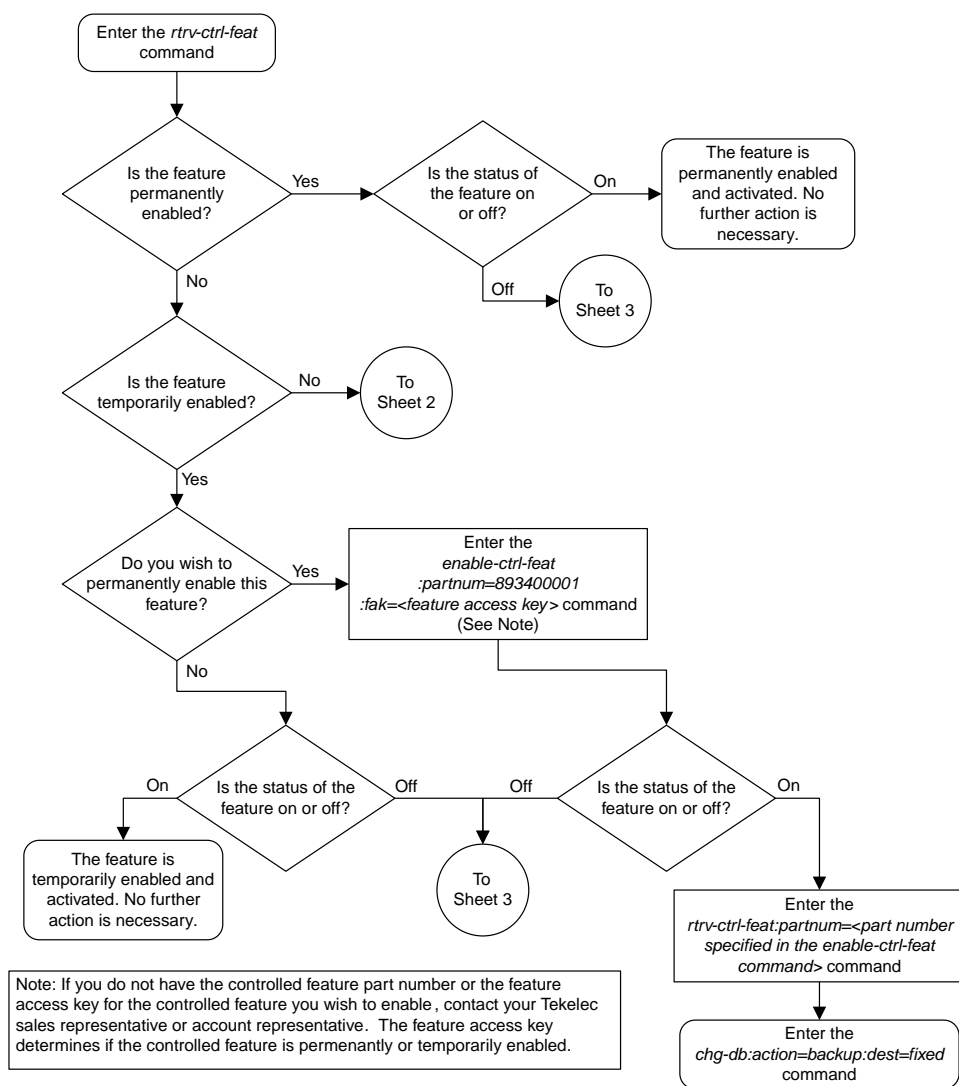


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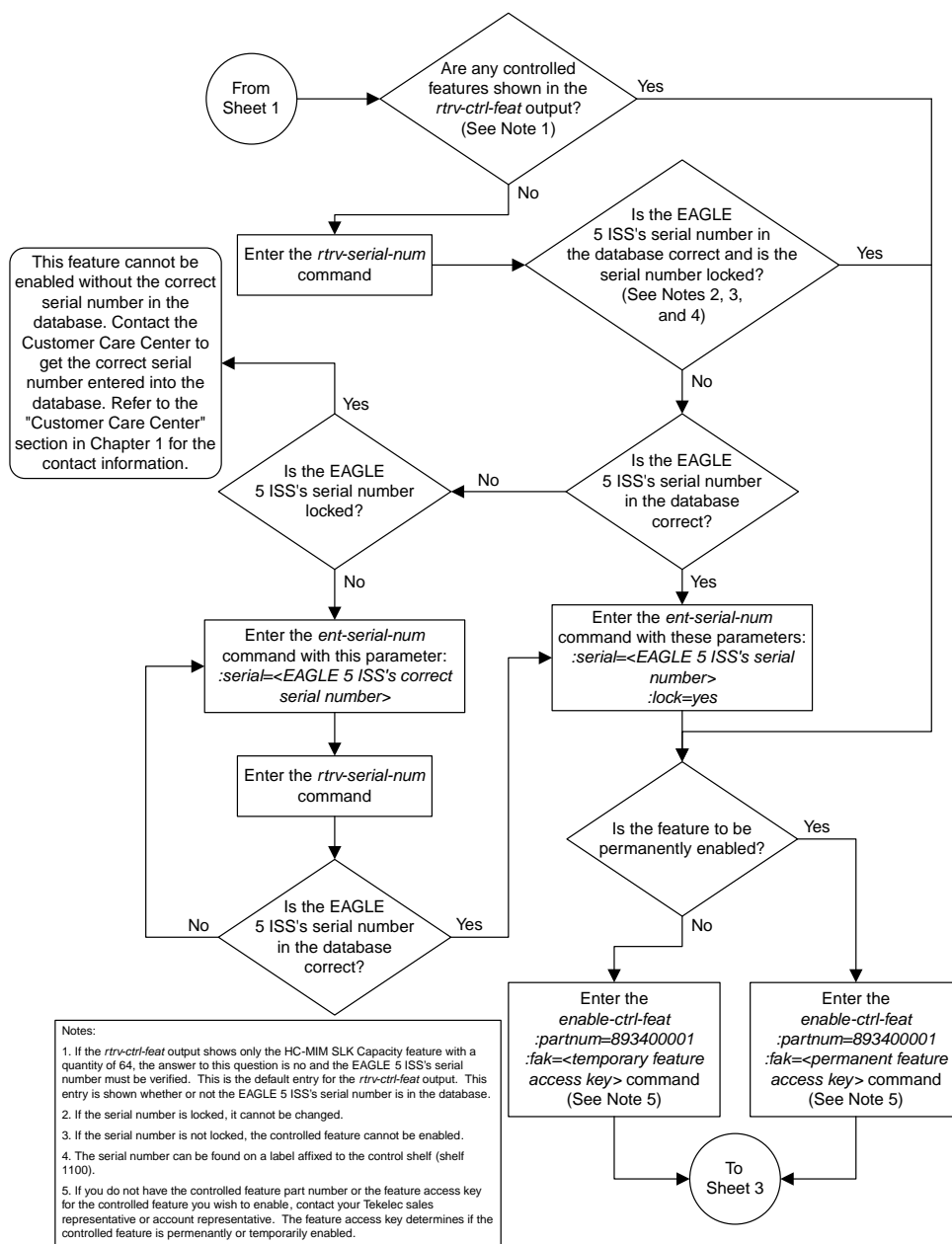




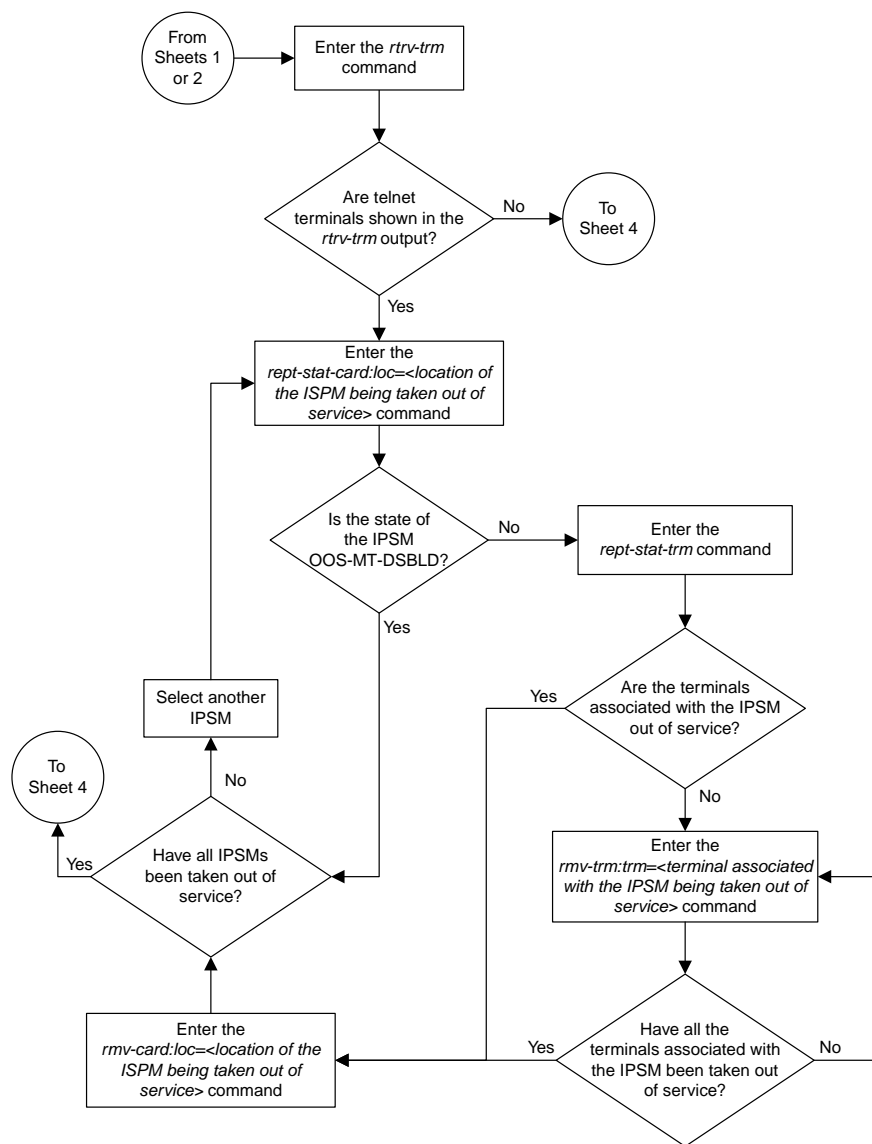
## Activating the Eagle OA&M IP Security Enhancement Controlled Feature



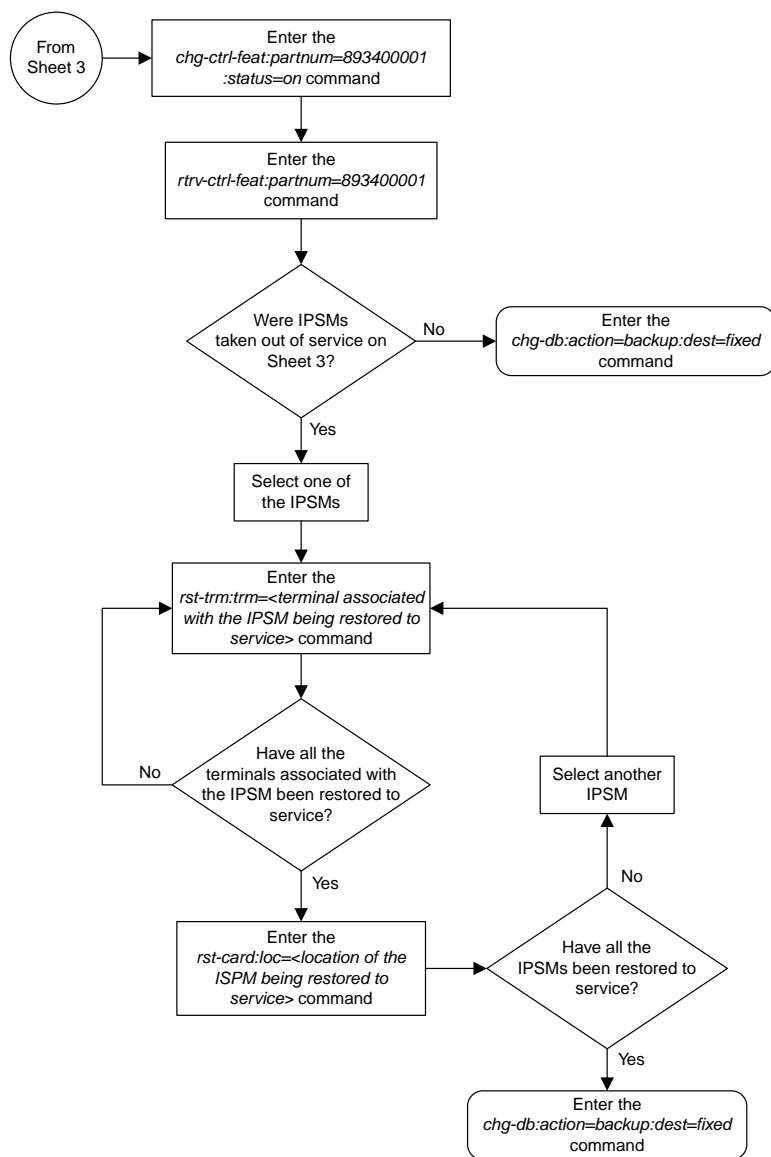
Sheet 1 of 4



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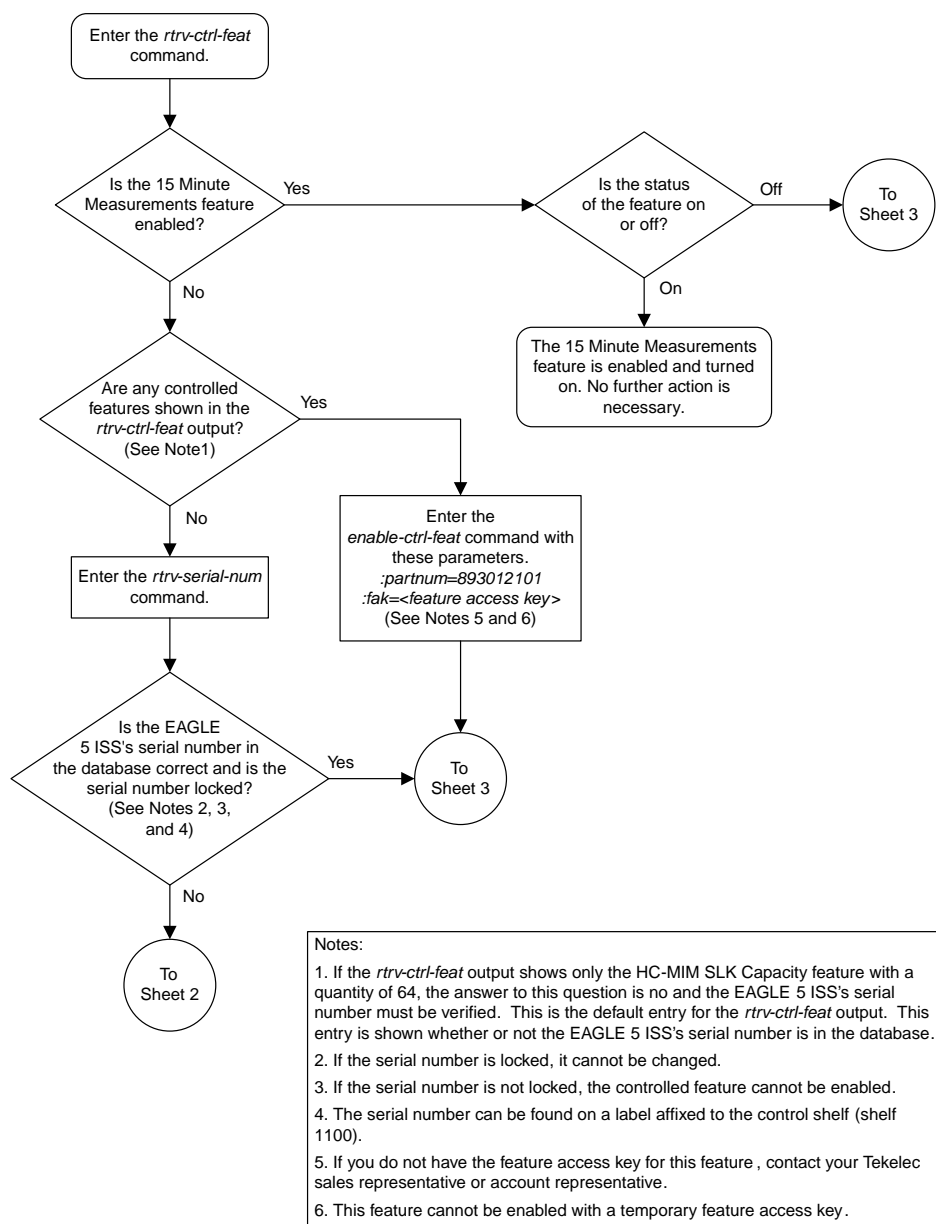


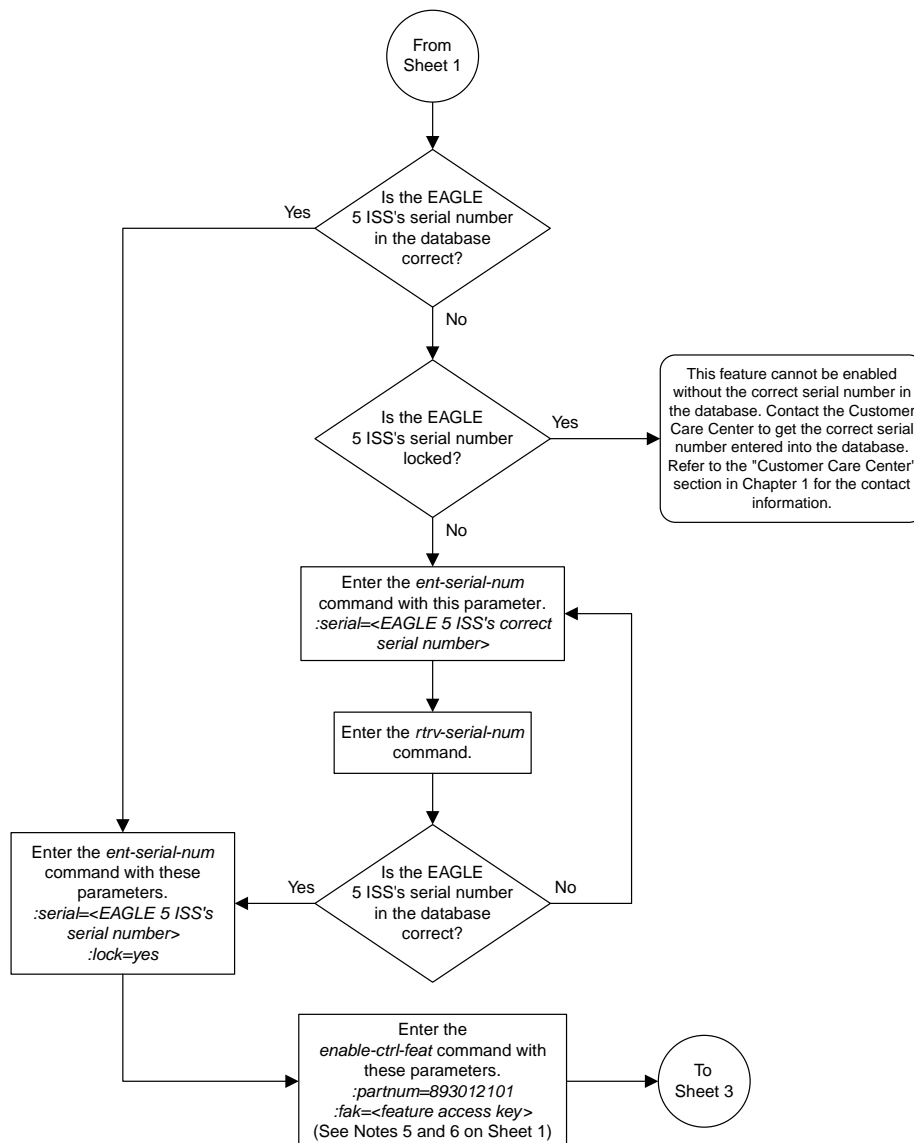
Sheet 3 of 4



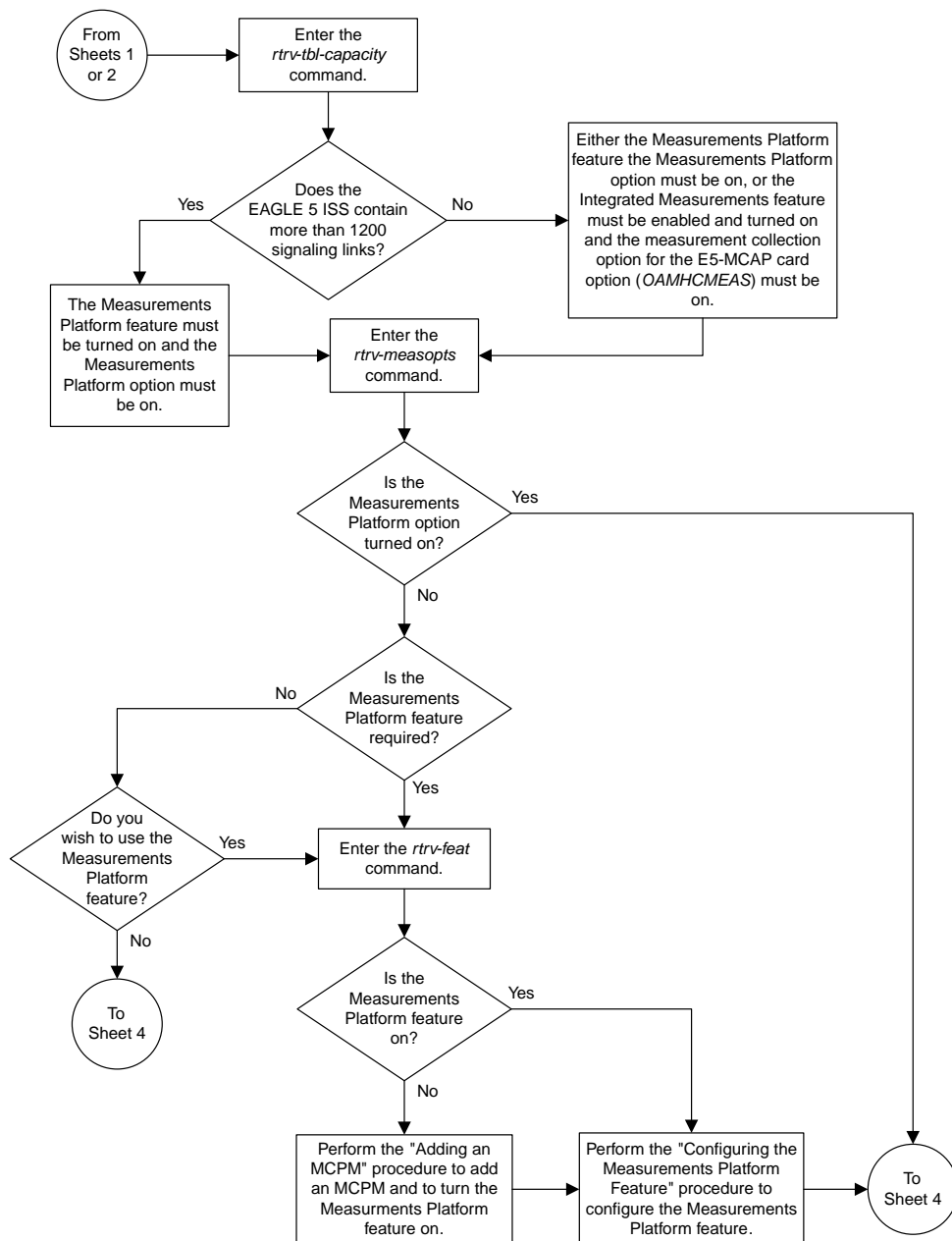
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## Activating the 15 Minute Measurements Controlled Feature



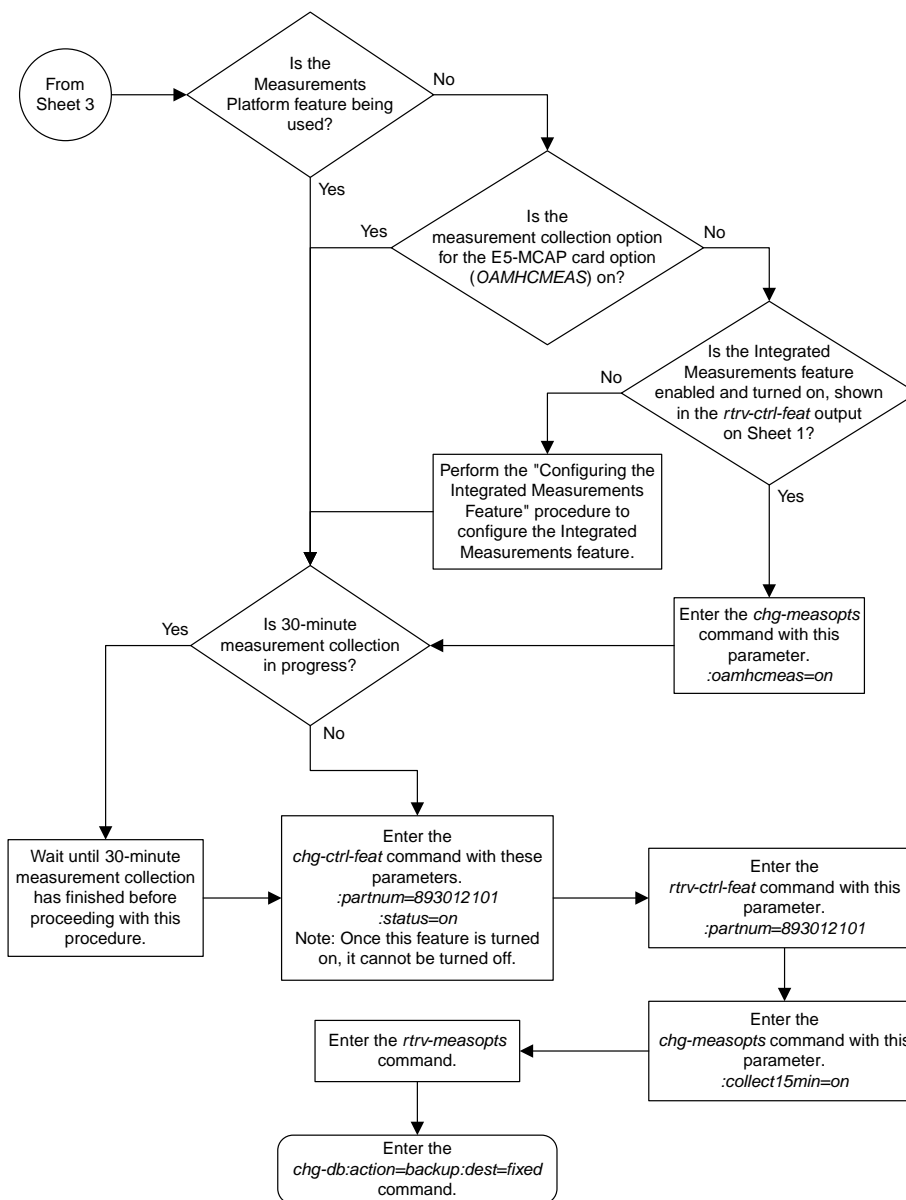


Sheet 2 of 4

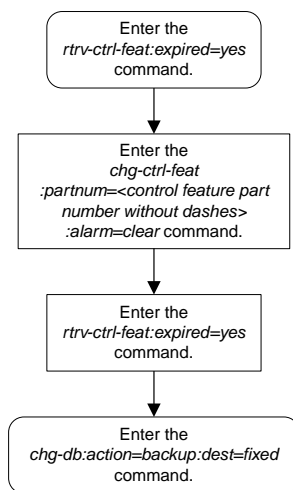


Sheet 3 of 4

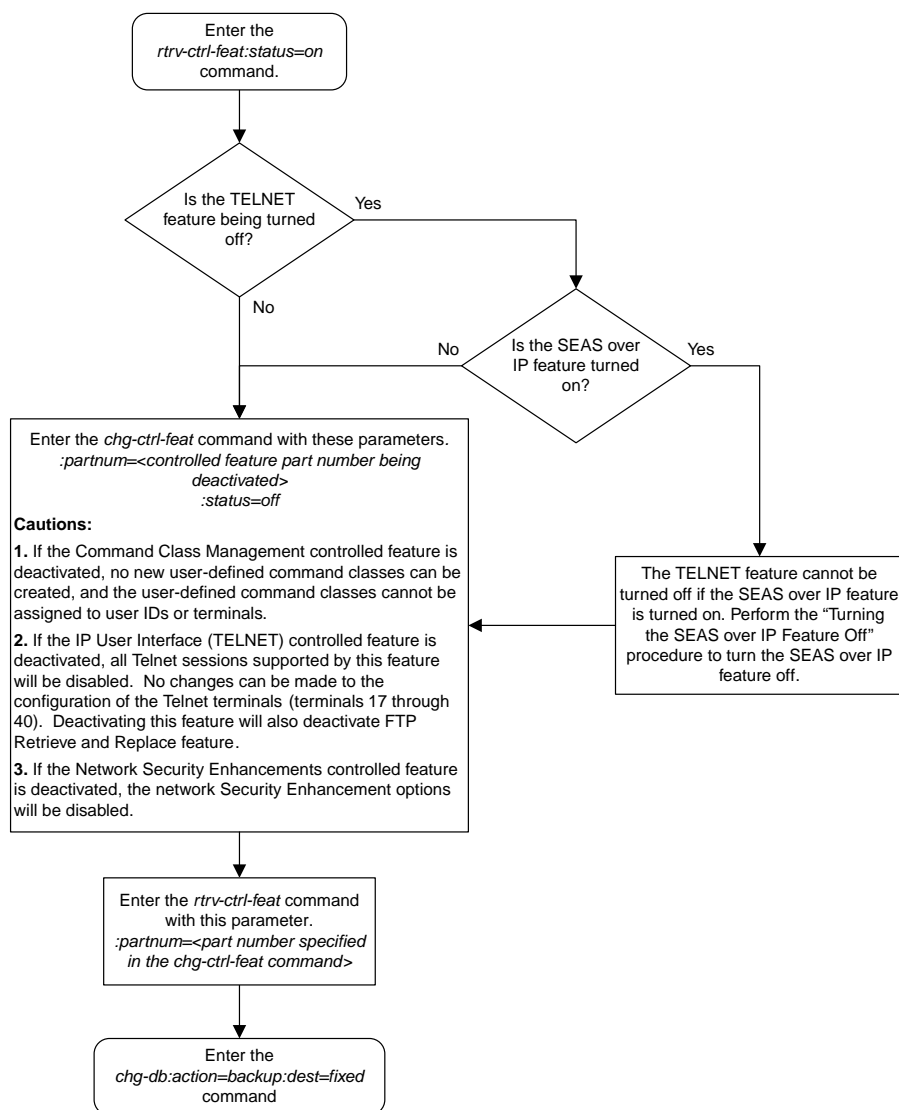




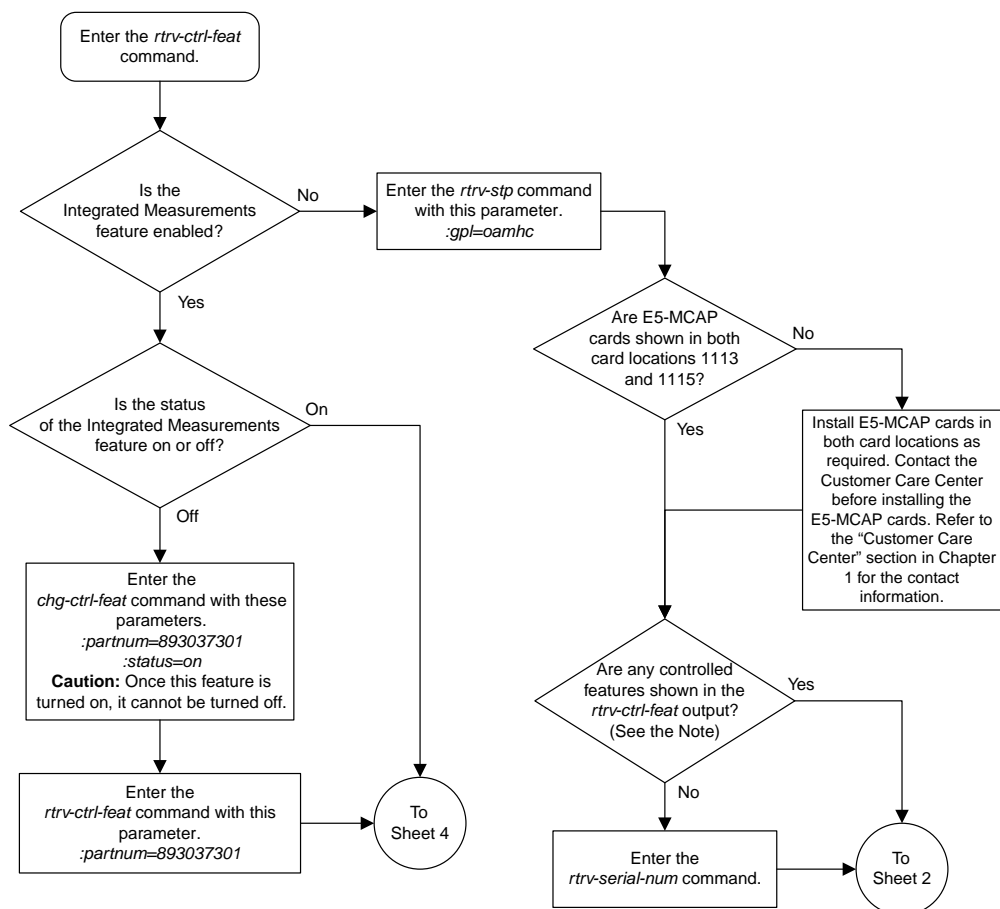
## Clearing a Temporary FAK Alarm



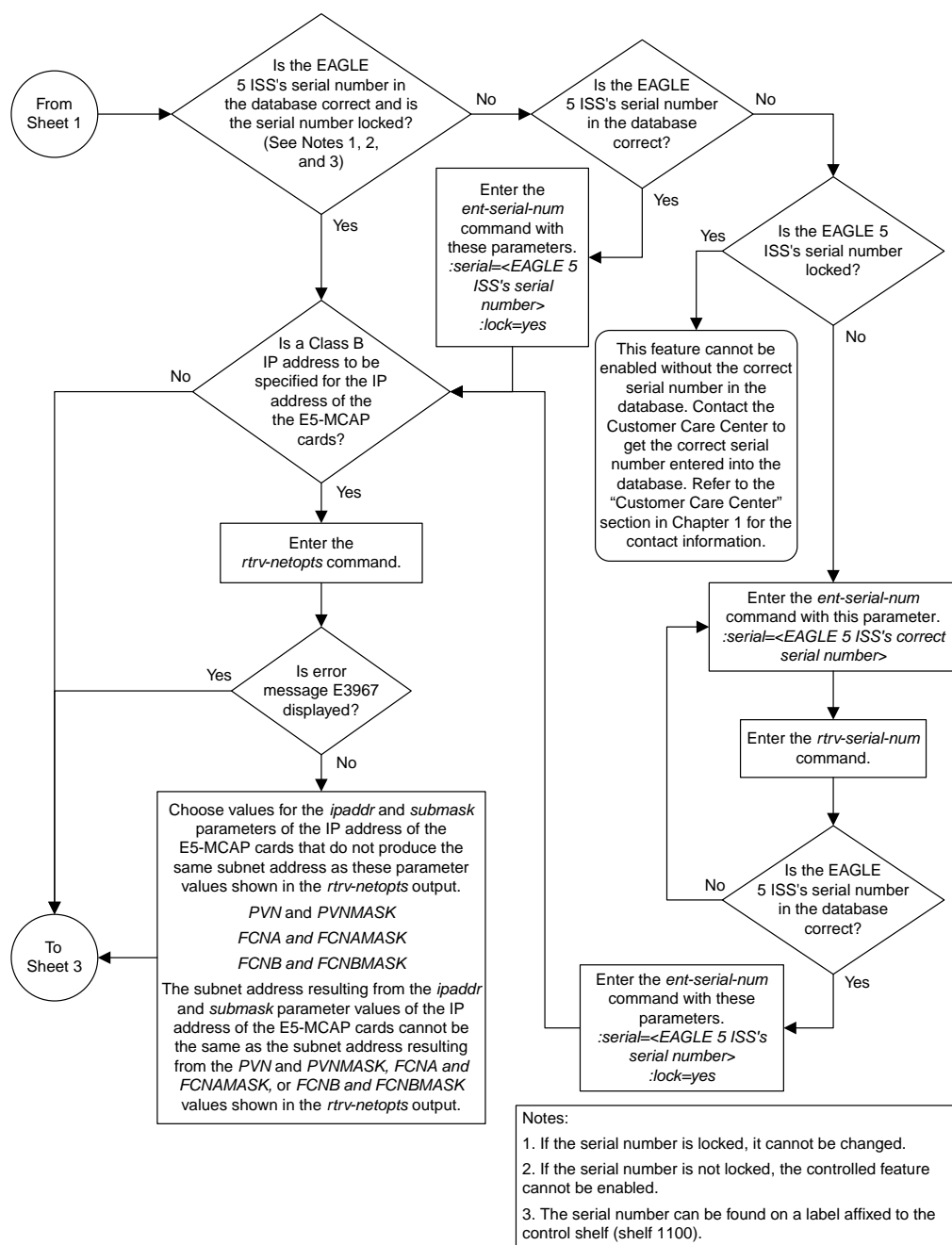
## Deactivating Controlled Features

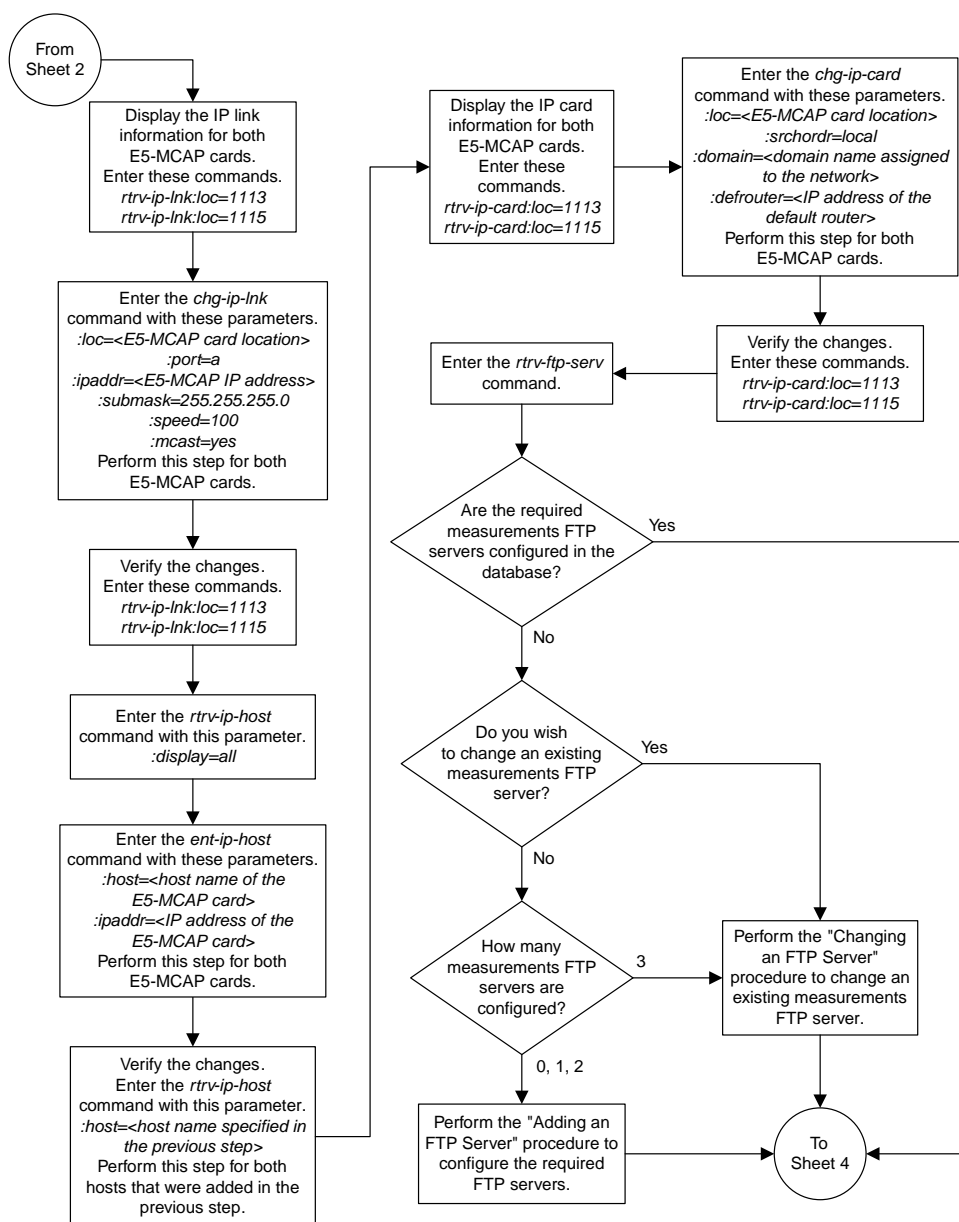


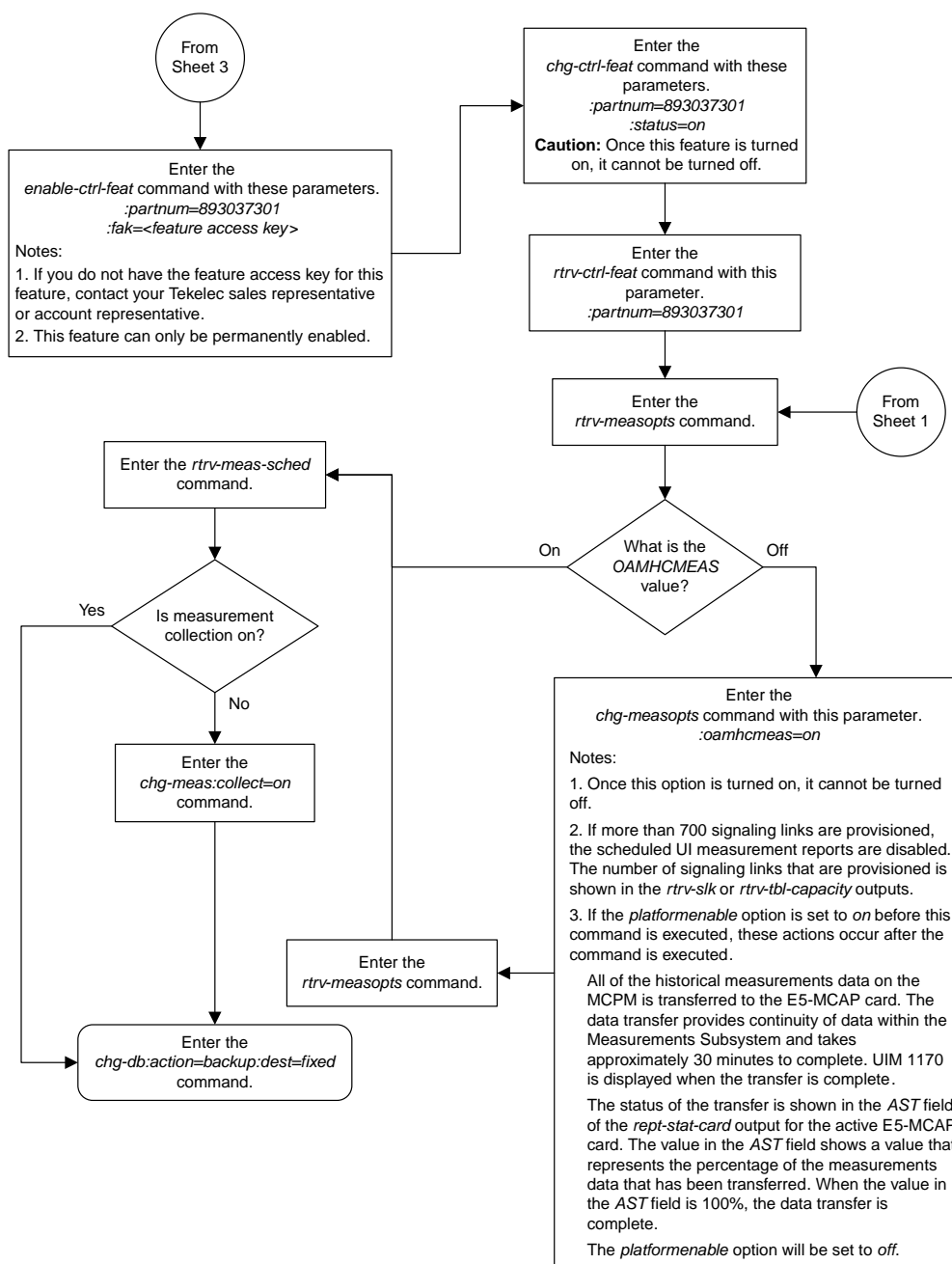
## Configuring the Integrated Measurements Feature



Note: If the *rtrv-ctrl-feat* output shows only the HC -MIM SLK Capacity feature with a quantity of 64, the answer to this question is no and the Eagle 5 ISS's serial number must be verified. This is the default entry for the *rtrv-ctrl-feat* output. This entry is shown whether or not the Eagle 5 ISS's serial number is in the database.







# Chapter 25

## SEAS Over IP Configuration Flowcharts

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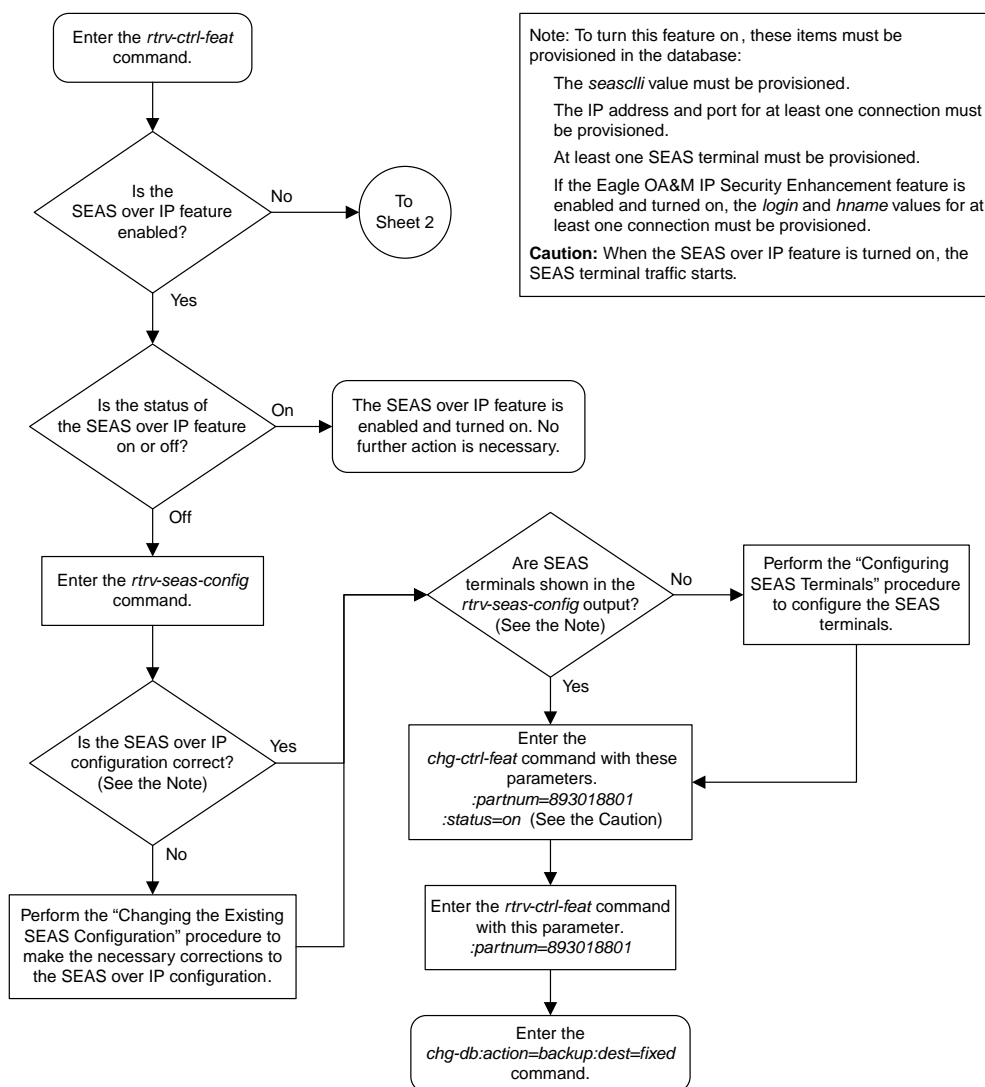
### Topics:

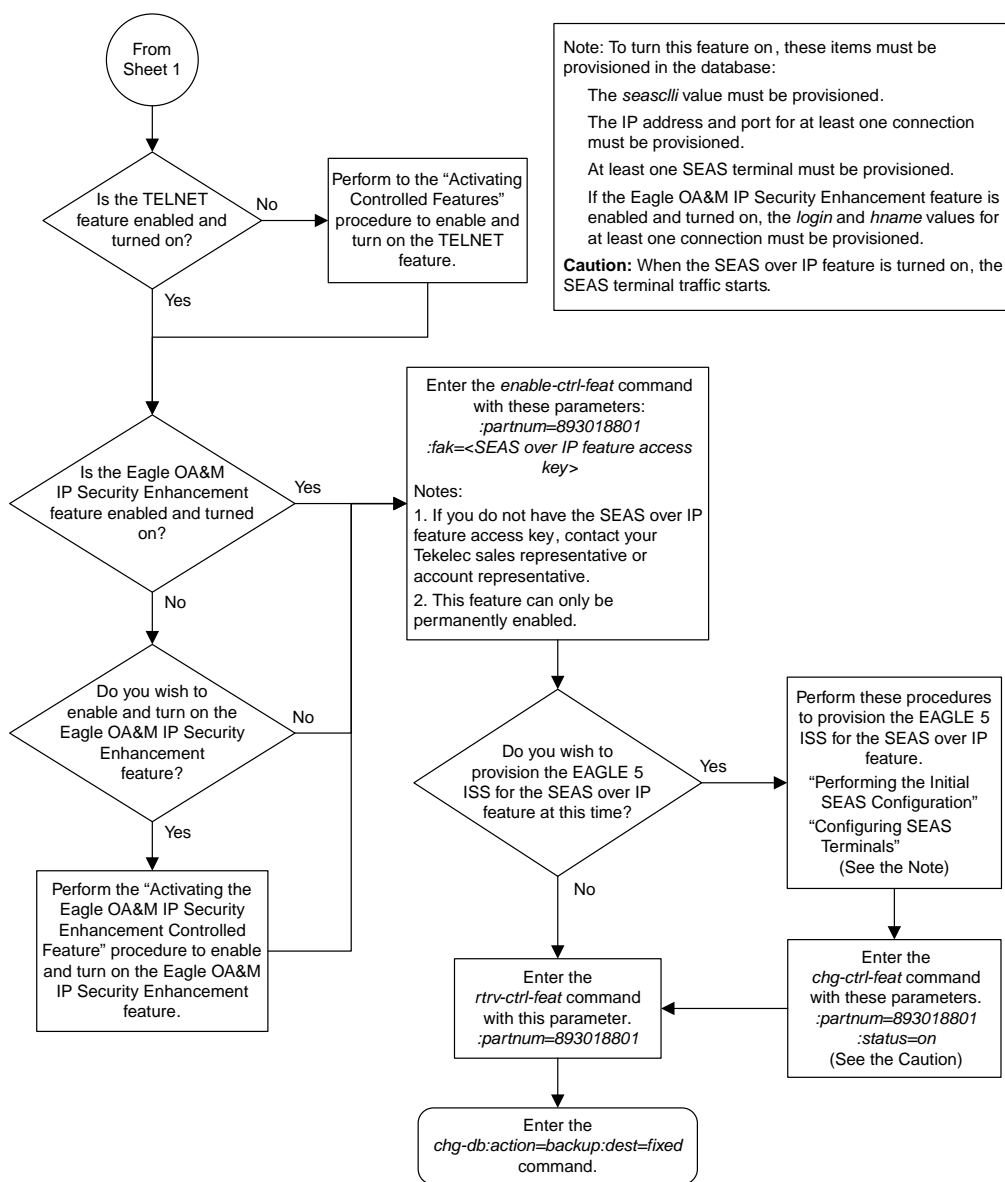
- [Activating the SEAS over IP Feature.....1457](#)
- [Performing the Initial SEAS Configuration...1459](#)
- [Configuring SEAS Terminals.....1461](#)
- [Changing the Existing SEAS Configuration..1464](#)
- [Turning the SEAS Over IP Feature Off.....1467](#)

This chapter contains the flowcharts for the procedures that are used to configure the SEAS over IP feature. These procedures are located in the *Database Administration Manual - System Management*.

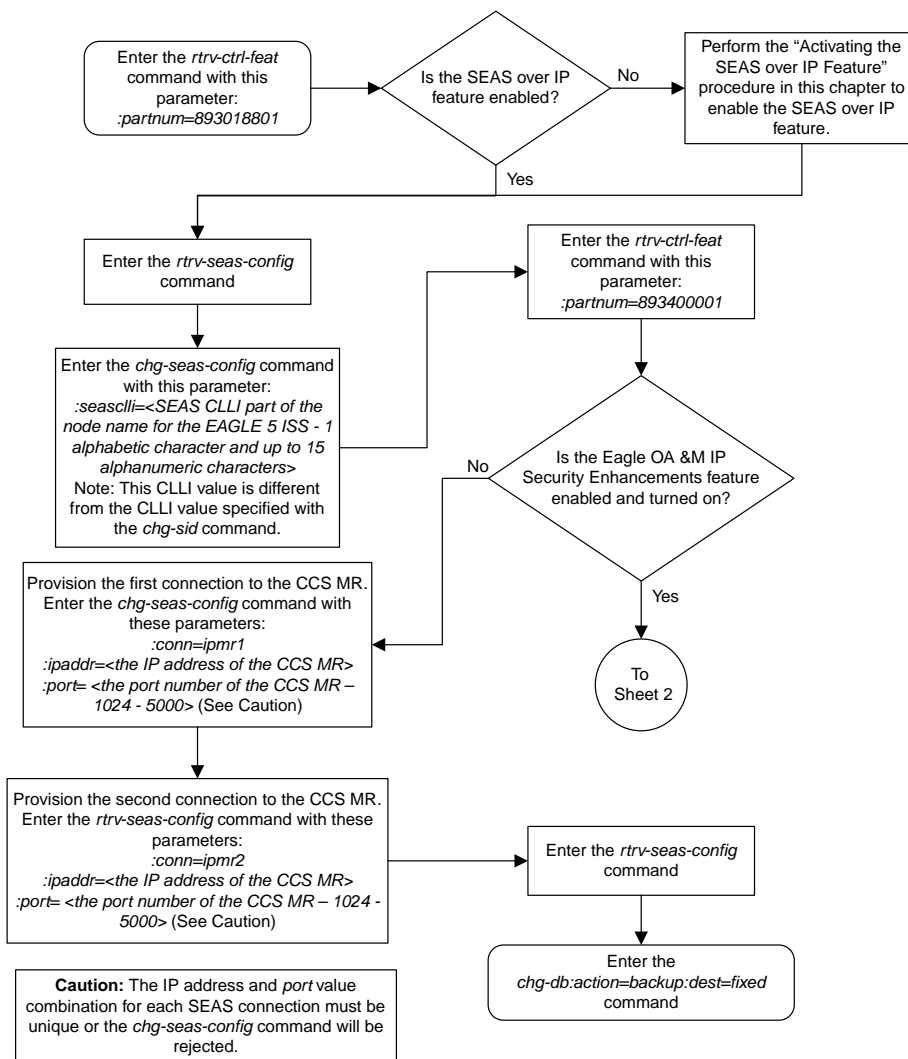


## Activating the SEAS over IP Feature

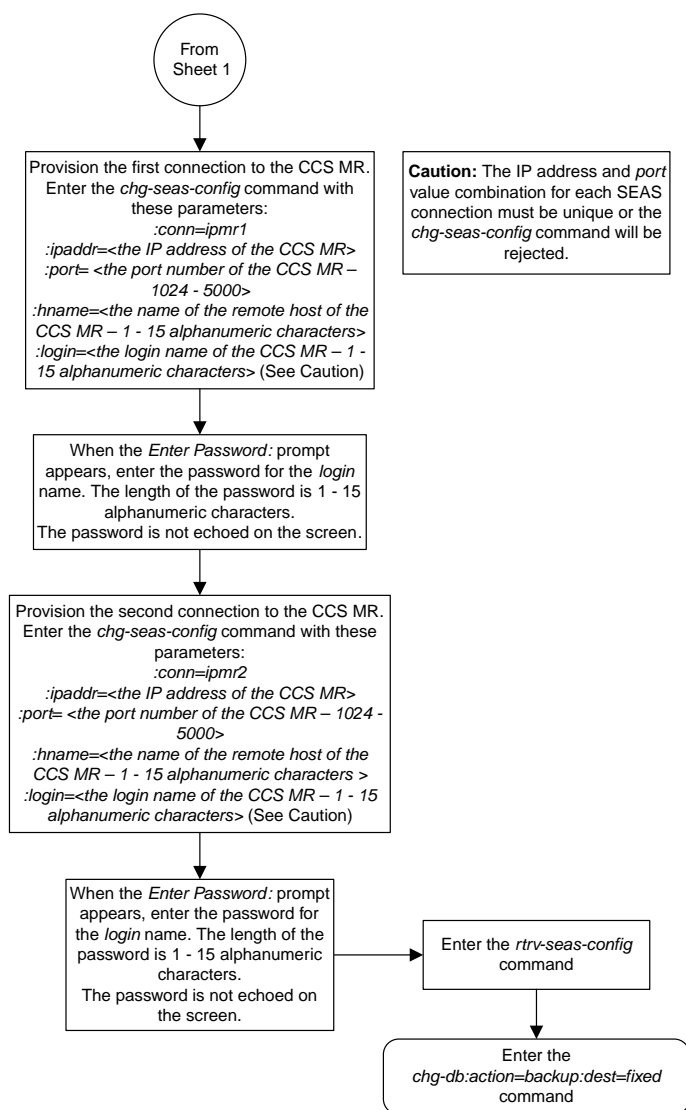




## Performing the Initial SEAS Configuration

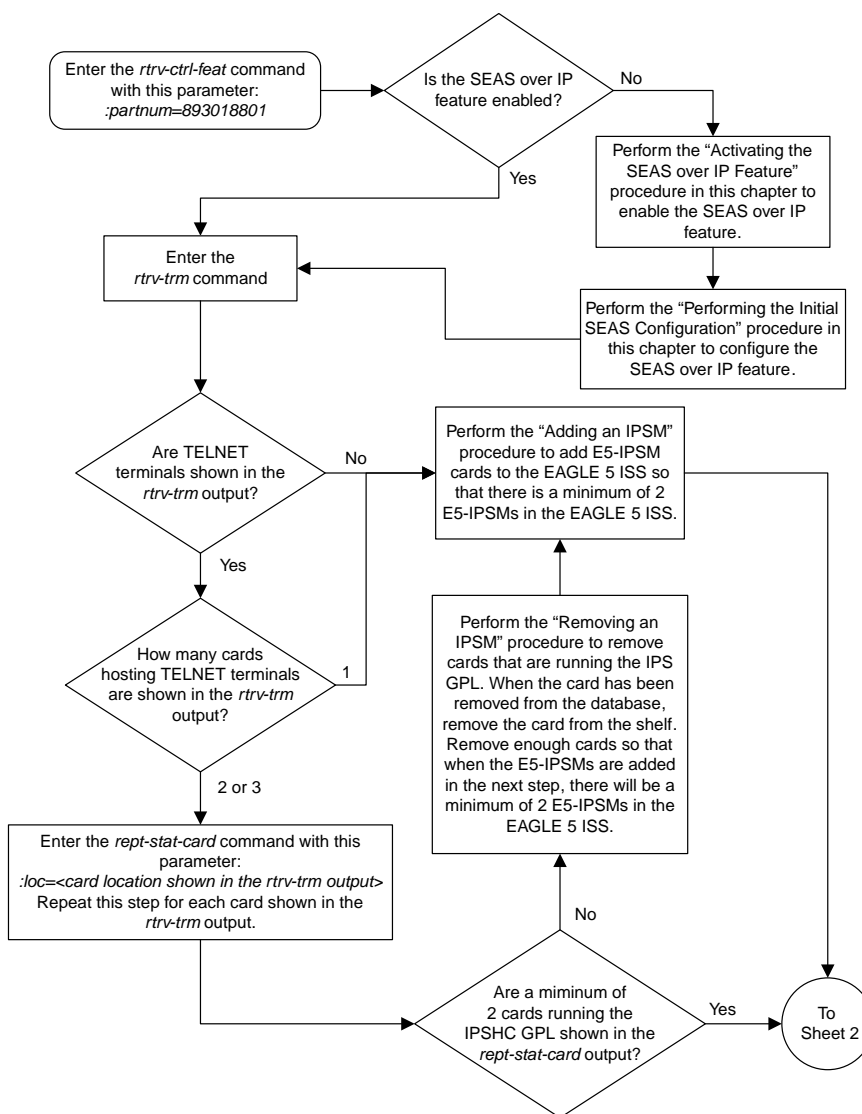


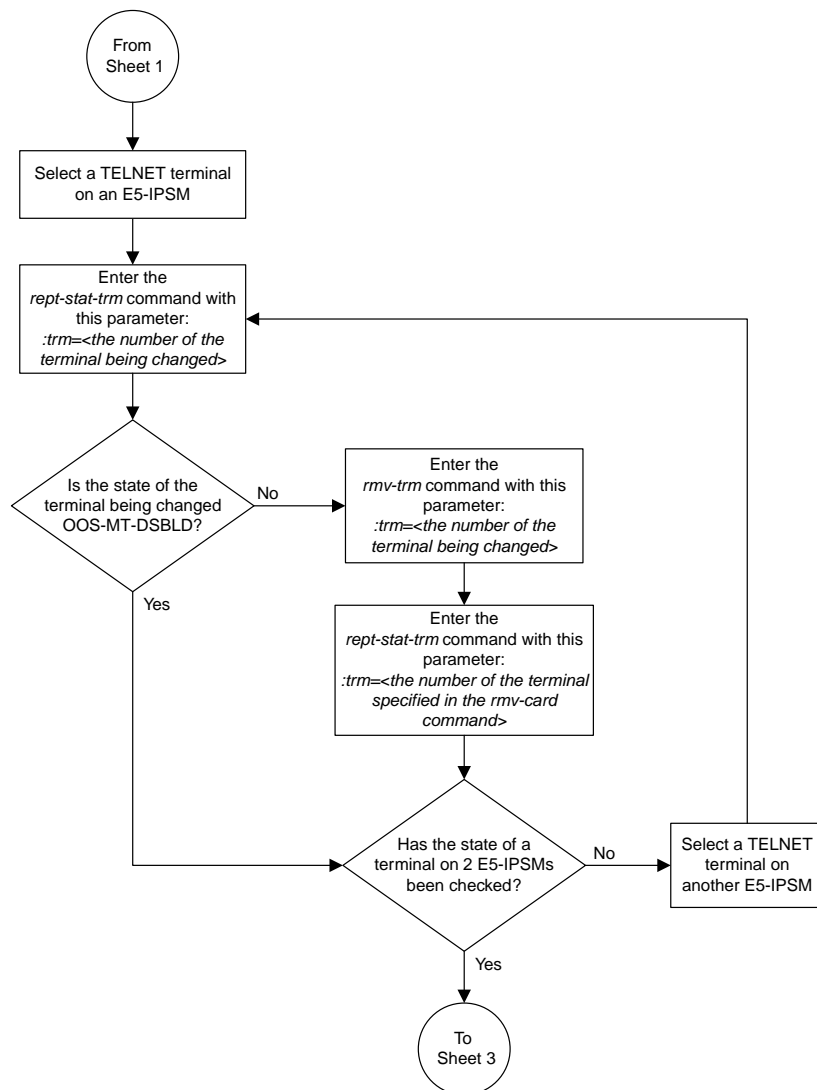
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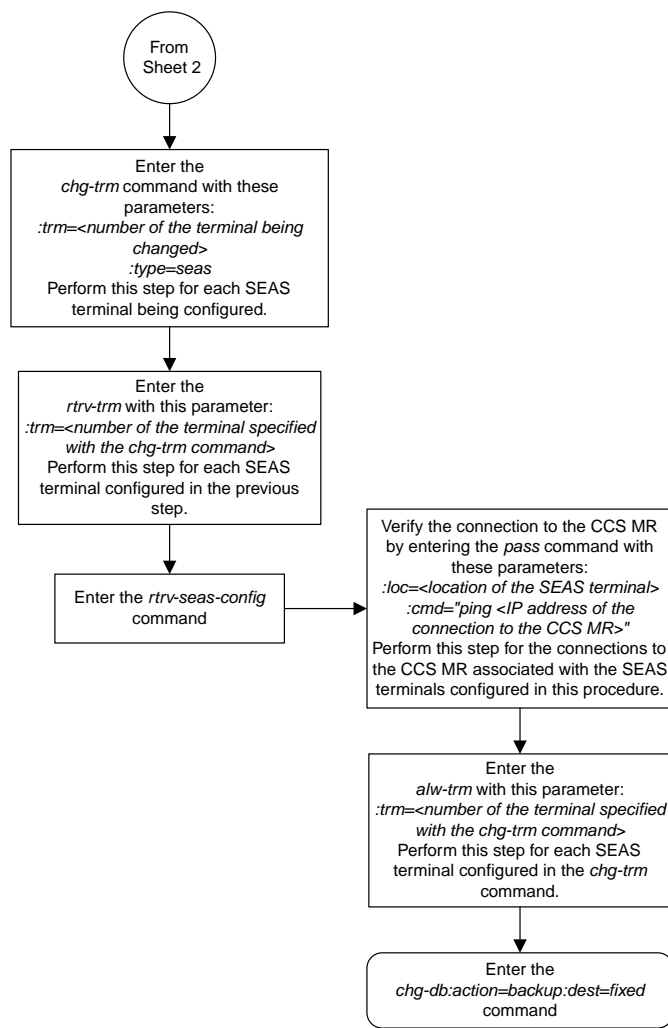
Sheet 2 of 2

## Configuring SEAS Terminals



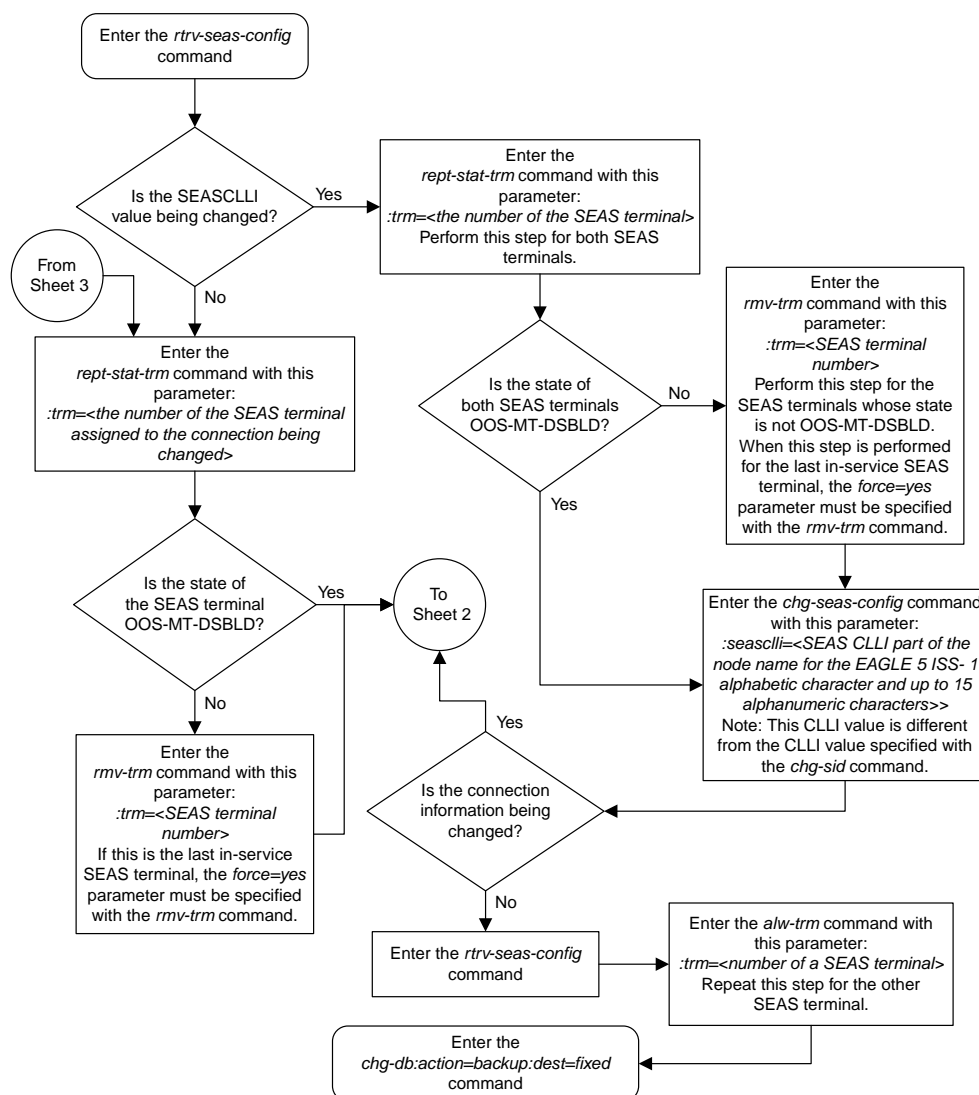


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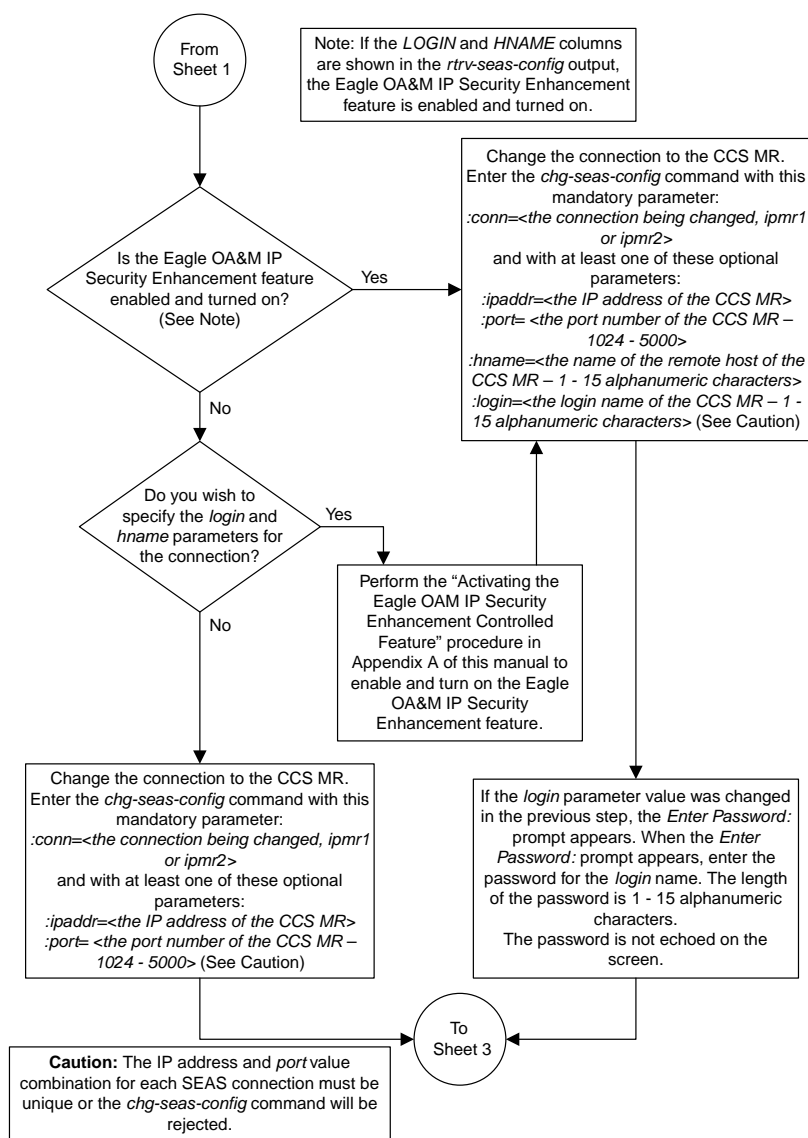
Sheet 3 of 3

## Changing the Existing SEAS Configuration

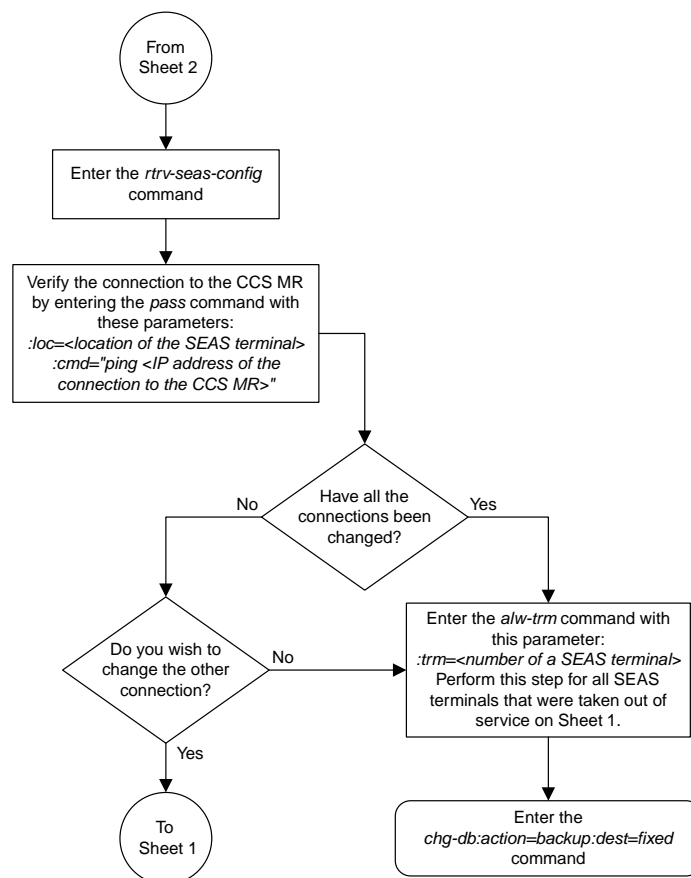


Sheet 1 of 3



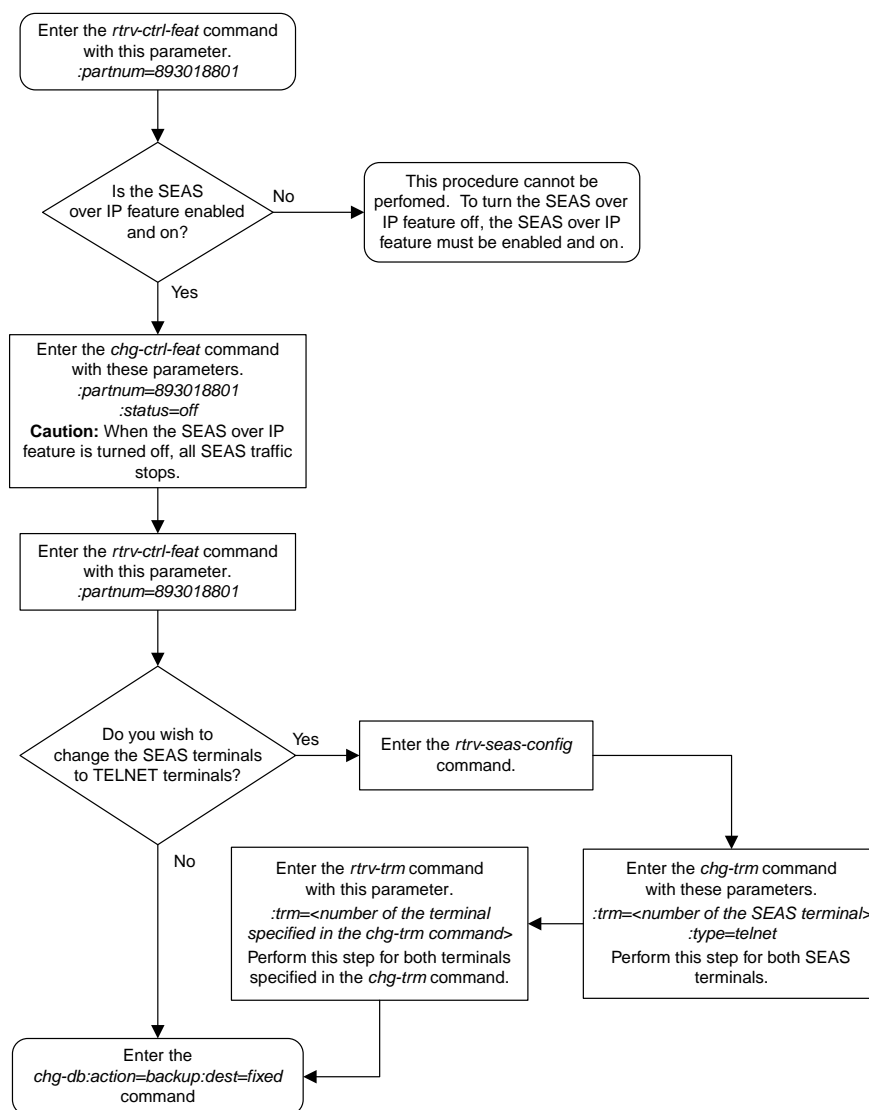


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## Turning the SEAS Over IP Feature Off



# Chapter 26

## Remote Backup and Restore Flowcharts

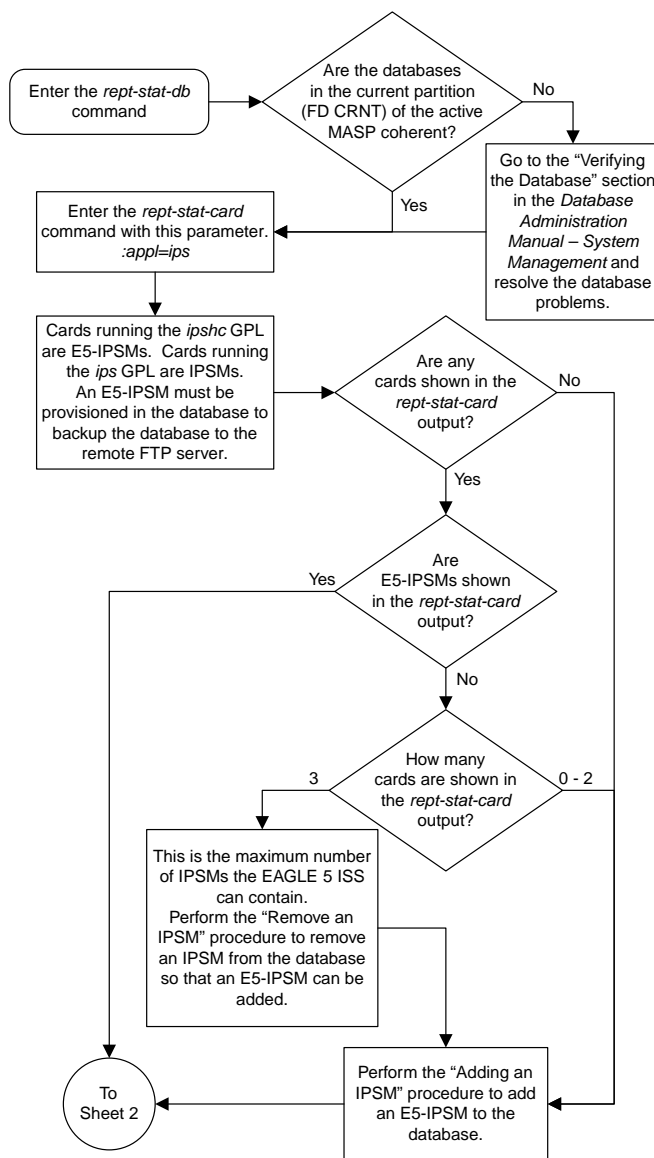
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### Topics:

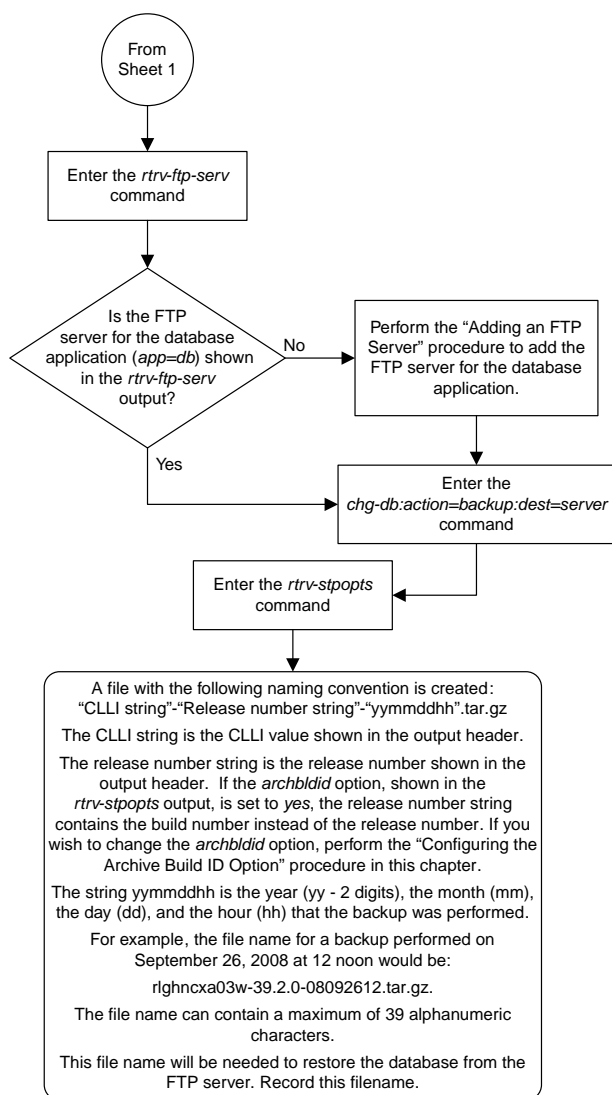
- [\*Making a Backup of the Database to the FTP Server.....1469\*](#)
- [\*Restoring the Database from the FTP Server.1471\*](#)
- [\*Configuring the Archive Build ID Option.....1472\*](#)

This chapter contains the flowcharts for the procedures that are used for backing up the database to the DB FTP server and restoring the database from the DB FTP server. These procedures are located in the *Database Administration Manual - System Management*.

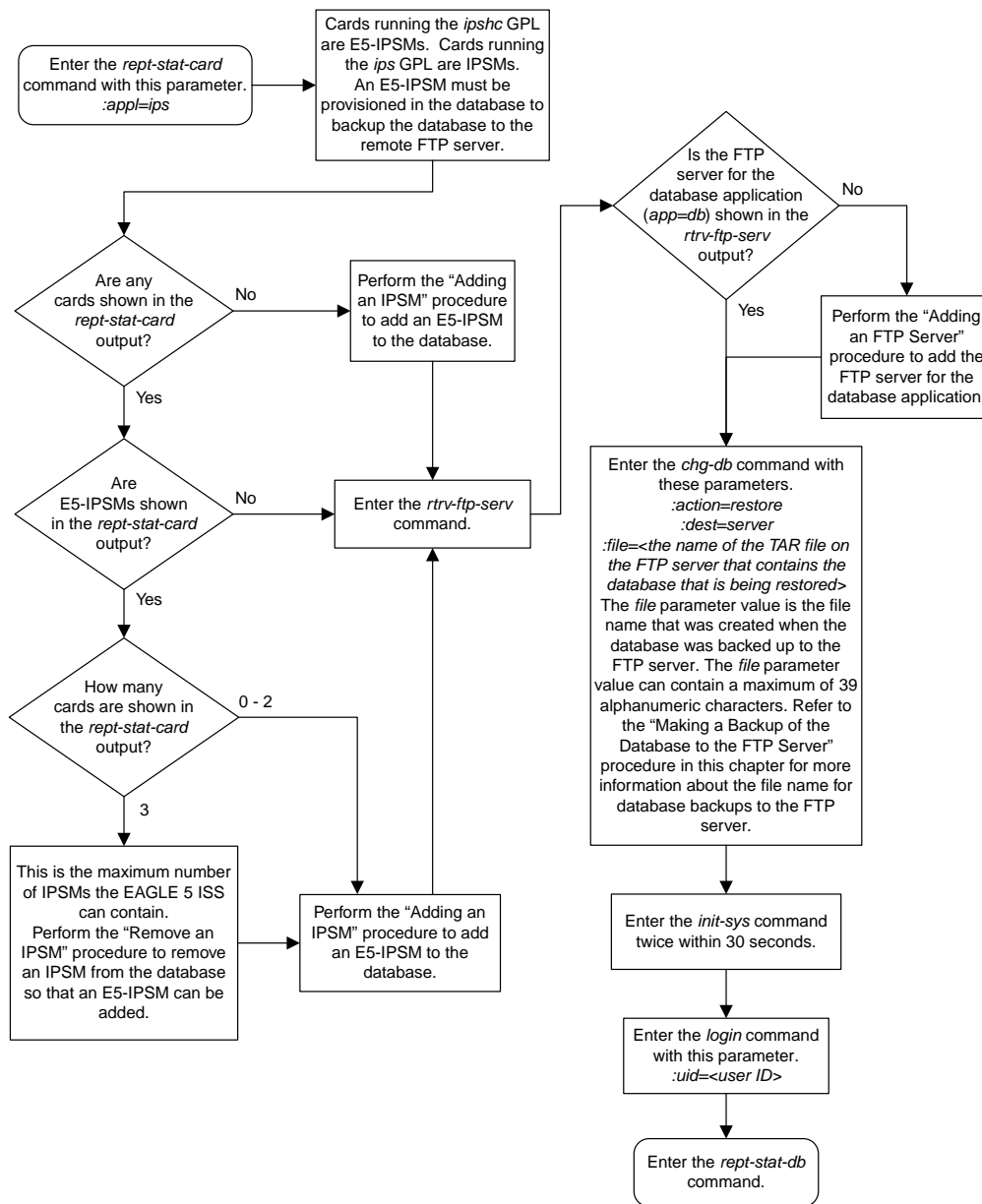
## Making a Backup of the Database to the FTP Server



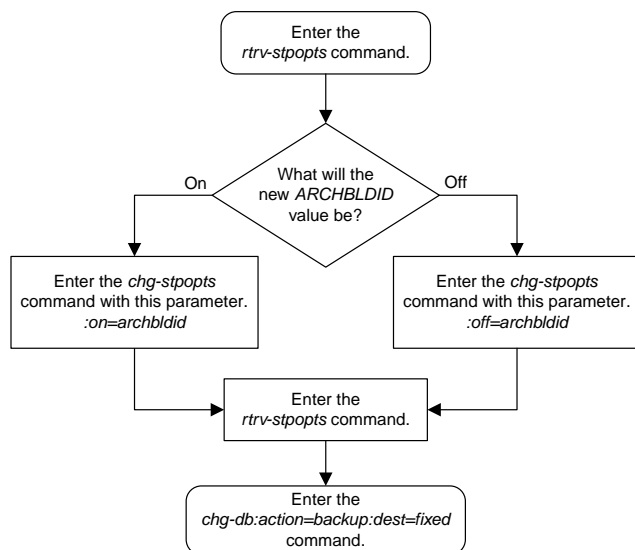
Sheet 1 of 2



## Restoring the Database from the FTP Server



## Configuring the Archive Build ID Option





# Glossary

## A

ATM

Asynchronous Transfer Mode

A packet-oriented transfer mode that uses an asynchronous time division multiplexing technique to multiplex information flow in fixed blocks, called cells.

A high-bandwidth, low-delay switching, and multiplexing technology to support applications that include high-speed data, local area network interconnection, multimedia application and imaging, and residential applications such as video telephony and other information-based services.

## C

control cards

Cards that occupy slots 1113 through 1118 of the control shelf on an EAGLE 5 ISS and perform OAM, TDM, and database functions for the EAGLE 5 ISS. The legacy set consists of the single-slot GPSM-II card running the OAM application and EOAM GPL, the single-slot TDM card, and the dual-slot MDAL card. The E5-based set consists of the dual-slot E5-MASP card (the E5-MCAP module and the E5-TDM module) and the dual-slot E5-MDAL card.

credit card drive

Flash memory credit card-shaped drive used in the flush-mounted USB port on an E5-MCAP card for upgrade; it could be used for disaster recovery.

## E

**E**

E5-MASP card	E5-based dual-slot card that consists of the E5-MCAP module (occupies slot 1113 and slot 1115) and the E5-TDM module (occupies slot 1114 and slot 1116) in an EAGLE 5 ISS control shelf. Used when the E5-MDAL card is used.
E5-MCAP card	The module contains the Communications Processor and Applications Processor and provides connections to the IMT bus. Controls the maintenance and database administration activity and performs both application and communication processing. Runs the OAM application and OAMHC GPL. Occupies slot 1113 and slot 1115 in an EAGLE 5 ISS control shelf. Used when the E5-MDAL card is used. Contains two USB ports.
E5-MDAL card	The E5 MDAL card processes alarm requests, provides general purpose relays, and provides fan control. Occupies slots 1117 and 1118 in an EAGLE 5 ISS Control Shelf. Used with E5-MASP cards. Does NOT contain a drive for removable cartridges.
E5-TDM card	The E5-TDM card provides the EAGLE 5 ISS with 16 ports for user terminals, contains fixed disk storage and distributes Composite Clocks and High Speed Master clocks throughout the EAGLE 5 ISS. Occupies slot 1114 and slot 1116 in an EAGLE 5 ISS Control Shelf. Used when the E5-MDAL card is used.

**F**

**F**

fixed disk drive	Hard drive on the TDM card and the E5-TDM card.
flush-mounted USB port	USB port on the E5-MCAP card; used with credit card flash memory drives for upgrades and could be used for disaster recovery.

**G**

GPL	<p>Generic Program Load</p> <p>Software that allows the various features in the system to work. GPLs and applications are not the same software.</p>
GPSM-II card	<p>General Purpose Service Module II</p> <p>Contains the communications processor and applications processor and provides connections to the Interprocessor Message Transport (IMT) bus. The GPSM-II card can run on the OAM, IPS, or MCP applications.</p> <p>This card runs various GPLs and applications in the EAGLE 5 ISS. As a control card, it runs the OAM application and EOAM GPL. Used when the legacy TDM card and MDAL card are used.</p>

**I**

ISS	Integrated Signaling System
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**L**

latched USB port	On the E5-MCAP card, a USB port with a lockable latch. Used with removable media (flash memory "thumb" drives) to install and back up customer data.
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**M**

**M**

MAS

Maintenance and Administration Subsystem

A set of cards located in the Control Shelf, used to provide a central management point for the EAGLE 5 ISS. The MAS provides user interface, maintenance communication, peripheral services, alarm processing, system disk interface, and measurements using the following three subassemblies: GPSM-II, TDM, and MDAL.

MASP

Maintenance and Administration Subsystem Processor

The Maintenance and Administration Subsystem Processor (MASP) function is a logical pairing of the GPSM-II card and the TDM card. The GPSM-II card is connected to the TDM card by means of an Extended Bus Interface (EBI) local bus.

The MDAL card contains the removable cartridge drive and alarm logic. There is only one MDAL card in the Maintenance and Administration Subsystem (MAS) and it is shared between the two MASPs.

MTP

Message Transfer Part

The levels 1, 2, and 3 of the SS7 protocol that control all the functions necessary to route an SS7 MSU through the network

**R**

removable cartridge

MO cartridge used in the drive on the legacy MDAL card.

**R**

removable cartridge drive

Media drive for removable MO cartridges on the legacy MDAL card.

removable media

Flash memory or “thumb” drives used in the latched USB port on an E5-MCAP card for installation and backup of customer data.

**S**

SS7

Signaling System #7

**T**

TDM

Terminal Disk Module

**U**

USB port

Receptacle for flash memory drives on personal computers. On the E5-MDAL card, a flush-mounted USB port used with credit card flash memory drives for upgrade. On the E5-MCAP card, a latched USB port for use with flash memory “thumb” drives for installation and backup of customer data.