

Oracle Communications ASAP Cartridge for Lucent 5ESS (International)

The *ASAP Cartridge for Lucent 5ESS (International)* meets is an optional software component that enables ASAP to activate ISDN, PSTN, PBX and SCCP services on Lucent 5ESS International Release switch.

Supported Services

The *ASAP Cartridge for Lucent 5ESS (International)* supports the following services:

- **Subscriber (PSTN)**
- **PSTN-PBX**
- **ISDN (ISDN-A)**
- **ISDN-PBX (ISDN – CDEF)**
- **C7-SCCP**

Subscriber (PSTN) Services

The *ASAP Cartridge for Lucent 5ESS(International) Cartridge* supports the following Subscriber services:

Service	Actions & Description
Subscriber Line	<ul style="list-style-type: none"> • Add new subscriber line • Modify an existing subscriber line details • Delete an existing subscriber line • Query an existing subscriber line details.
Services	<ul style="list-style-type: none"> • Add/ Services List associated for a subscriber line • Modify an existing services list associated for a subscriber line • Delete an existing services list associated for a subscriber line • Query existing services list details associated for a subscriber line
Traffic Restrictions	<ul style="list-style-type: none"> • Configure traffic restrictions • Query traffic restrictions details
Call Diversion	<ul style="list-style-type: none"> • Configure call diversions • Query call diversions

Equipment	<ul style="list-style-type: none"> • Modify equipment details • Query equipment details
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PSTN-PBX Services

The ASAP Cartridge for Lucent 5ESS(International) Cartridge supports the following PSTN PBX services:

Service	Actions & Description
PBX Line Group	<ul style="list-style-type: none"> • Add PSTN PBX line group. • Modify an existing PSTN PBX line group details. • Delete an existing PSTN PBX line group. • Query an existing PSTN PBX line group details
PBX Characteristics	<ul style="list-style-type: none"> • Add PSTN PBX characteristics. • Modify an existing PSTN PBX characteristic. • Delete an existing PSTN PBX characteristics. • Query an existing PSTN PBX characteristics.
PBX Line Member	<ul style="list-style-type: none"> • Add PSTN PBX line member. • Modify an existing PSTN PBX line member. • Delete an existing PSTN PBX line member. • Query an existing PSTN PBX line member details.
PBX Line Services List	<ul style="list-style-type: none"> • Add PSTN PBX line services list. • Modify an existing PSTN PBX line services list. • Delete an existing PSTN PBX line services list. • Query an existing PSTN PBX line services list.
PBX Traffic Restrictions	<ul style="list-style-type: none"> • Configure PSTN PBX traffic restrictions. • Query PSTN PBX traffic restrictions.
PBX Call Diversion	<ul style="list-style-type: none"> • Configure PSTN PBX call diversion. • Query PSTN PBX call diversion details.

ISDN (ISDN-A) Services

The ASAP Cartridge for Lucent 5ESS(International) Cartridge supports the following ISDN Subscriber services:

Service	Actions & Description
ISDN Directory Number	<ul style="list-style-type: none"> • Add ISDN directory number • Modify an existing ISDN directory number • Delete an existing ISDN directory number • Query an existing ISDN directory number details
ISDN BRA (Basic Rate Access) Definition.	<ul style="list-style-type: none"> • Modify ISDN basic rate access definition. • Query ISDN basic rate access definition.
ISDN PRA (Primary Rate Access) Definition.	<ul style="list-style-type: none"> • Modify ISDN primary rate access definition. • Query ISDN primary rate access definition.
ISDN Bearer Service Group Assignment	<ul style="list-style-type: none"> • Add ISDN directory number bearer service group assignment. • Modify ISDN directory number bearer service group assignment. • Delete ISDN directory number bearer service group assignment. • Query ISDN directory number bearer service group assignment.
ISDN Group Member	<ul style="list-style-type: none"> • Delete ISDN group member
Digital Trunk	<ul style="list-style-type: none"> • Restore digital trunk • Remove digital trunk
ISDN Service List	<ul style="list-style-type: none"> • Add service list • Modify an existing service list • Query an existing service list details
Call Diversion	<ul style="list-style-type: none"> • Configure call diversion. • Query call diversion
Traffic Restriction	<ul style="list-style-type: none"> • Configure traffic restrictions. • Query traffic restrictions

ISDN PBX(ISDN-CDEF) Services

The ASAP Cartridge for Lucent 5ESS(International) Cartridge supports the following ISDN PBX services:

Service	Actions & Description
ISDN PBX Configuration	<ul style="list-style-type: none"> • Add ISDN PBX configuration. • Modify an existing ISDN PBX configuration. • Delete an existing ISDN PBX configuration. • Query an existing ISDN PBX configuration.
ISDN PBX Bearer Service Group Characteristics	<ul style="list-style-type: none"> • Add ISDN PBX bearer service group characteristics. • Modify existing ISDN PBX bearer service group characteristics. • Delete existing ISDN PBX bearer service group characteristics. • Query existing ISDN PBX bearer service group characteristics details.
ISDN PBX Group	<ul style="list-style-type: none"> • Add ISDN PBX group • Delete an existing ISDN PBX group • Query an existing ISDN PBX group
ISDN PBX Service List	<ul style="list-style-type: none"> • Add ISDN PBX service list. • Modify an existing ISDN PBX service list. • Query an existing ISDN PBX service list.
ISDN PBX Call Diversion	<ul style="list-style-type: none"> • Configure ISDN PBX call diversion. • Query ISDN PBX call diversion.
ISDN PBX Traffic Restriction	<ul style="list-style-type: none"> • Configure ISDN PBX traffic restriction. • Query ISDN PBX traffic restriction.
ISDN PBX Indialing DDI (Direct Dialing-In)	<ul style="list-style-type: none"> • Configure ISDN PBX indialing DDI (Direct Dialing-In) • Query ISDN PBX indialing DDI (Direct Dialing-In)

C7-SCCP Services

The ASAP Cartridge for Lucent 5ESS(International) Cartridge supports the following ISDN PBX services:

Service	Actions & Description
SCCP Global Title	<ul style="list-style-type: none">• Add SCCP global title rule• Delete an existing SCCP global title rule• Query an existing SCCP global title rule• Query SCCP Global Title Translator
SCCP Destination	<ul style="list-style-type: none">• Add primary/backup destination.• Delete an existing primary/backup destination.• Query an existing primary/backup destination details
SCCP Access Point	<ul style="list-style-type: none">• Clear SCCP Access Point• Query SCCP Signalling Point Code
SCCP Calling Party Address	<ul style="list-style-type: none">• Query Services Exchange Address

Cartridge Contents

The *ASAP Cartridge for Lucent 5ESS(International)* includes:

- Common Service Description Layer Commands (CSDLs)
- Atomic Service Description Layer Commands (ASDLs)
- Java methods
- Installation scripts
- Sample work orders
- Cartridge manual

This cartridge can be extended by any of the following:

- Customers
- Systems Integrators
- Oracle Communications Professional Services

The *ASAP Cartridge Development Kit (CDK) for Service Activation* provides guidelines for extending a cartridge.

Technical Specifications

Network Element Hardware & Software Requirements

The *ASAP Cartridge for Lucent 5ESS(International)* is designed to operate with the following hardware and software:

- Lucent 5ESS 13.1 International Release.

Network Element Interface

This cartridge interfaces directly with the Lucent 5ESS 13.1 International Release using X.25 protocol.