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Delta Process for Translation Tables

The delta process determines the development changes that occurred in translation tables over time. You determine the timing of the delta process. You can run the delta process as often as necessary. The process compares the translation tables as they are at the time that you run the process with the translation tables as they were when you last ran the process. The process identifies the changes and indicates to translators or developers any new development in the translation tables that they need to edit.

You must perform setup tasks at the beginning of each J.D. Edwards software release. After you perform the setup, you can run the delta process as often as necessary. You should establish a schedule for running the delta process so that you can keep current on development changes to J.D. Edwards software.

Setting up the Delta Process for Each Release

You must perform the following setup procedures before you run the delta process. These procedures create the appropriate database instances and environments, and populate the data from the previous J.D. Edwards software release. After you finish these setup procedures, you can run the delta process.

You must complete all of the following tasks before you run the delta process for the first time.

Setting Up a Database Instance

Your database administrator must set up a database instance for each compare and language code page set that you use.

The following table lists the possible environments or databases:

Environment	Language Group
T1B9 or T1B7333	Tier I
T2B9 or T2B7333	Tier II
T3B9 or T3B7333	Tier III
WEUB7333	Western European
CEUB7333	Central European
SCHB7333	Simplified Chinese
TCHB7333	Traditional Chinese
JPNB7333	Japanese

KORB7333	Korean
RUSB7333	Russian

Work with your database administrator to set up libraries or database instances, or both, that apply to your current system environments, depending on your operating system (OS) platform and database server.

Note About Setting Up a Database

See *Code Page Character Sets* in the *Delta Process Guide* for character code page information. Each database has specific setup requirements for each code page. Please follow the database administration guidelines for your current release of the database and Open Database Connectivity (ODBC) setup for code pages.

► To set up a database instance

From the System Administration menu (GH9011), choose Database Data Sources.

1. On Machine Search & Select, click your current Machine Name and Data Source for administrating environment data sources in the detail area, and then click Select.
2. On Work With Data Sources, complete the following Query-By-Example line in the detail area and then click Find.
 - Data Source Name
3. In the detail area, click the row for the current data source mapping and then click Copy.
4. On Data Source Revisions, complete the following field and then click OK.
 - Data Source Name
5. Enter the new ODBC information and click OK to deploy the ODBC driver for the new data source.
6. Repeat these steps for all database data sources.

Adding a New Environment

J.D. Edwards recommends that you model the processes outlined in the *System Administration Guide* and the *Configurable Network Computing Guide*, as well as the existing solution used in the J.D. Edwards translation department, when adding new environments.

► To add a new environment

From the System Administration menu (GH9011), choose Object Configuration Manager (OCM).

1. On Machine Search and Select, click the data source mapping environment in the detail area, and then click Select.
2. On Work With Object Mappings, click Add.

3. On Object Mapping Revisions, complete the following fields and click OK:
 - Environment Name
 - Object Type
 - Primary Data Source
 - Data Source Mode
 - Allow QBE
4. Map all the tables listed in this guide to the translation compare environment. All other tables can be mapped according to your standard OCM setup.

Note

You should set up a translation compare environment as a login environment. The code page environment is used only for table mappings and can have one single OCM mapping for the DEFAULT TBLE mapping.

Creating the Environments

You must create the environments needed to run the Delta Process. You can complete these tasks manually using the System Administration tools or using the Translation Tools applications.

► **To use System Administration Tools to create an environment**

From System Administration Environment menu (GH9053), choose Environment Master.

1. On Work With Environments, enter an existing compare environment in the following Query-By-Example line and click Find:
 - Environment Name
2. Click the existing compare environment in the detail area.
3. From the Row menu, choose Copy Environment to duplicate the environment.
4. Complete the following field and then turn on the Copy *Public Records Only option:
 - New Environment
5. Click OK to launch the batch application to copy the current OCM mappings with the *Public records.

Use OCM to modify the mappings of each environment to reflect your enterprise setup and the mapping for the data sources.

6. Repeat this process for all compare environments and code pages that work with languages in the compare environment.

See Also

- For information about modifying mappings, see *Object Configuration Manager* in the *Configurable Network Computing Implementation Guide*

► To use Translation Tools to create an environment

From Environment Administration menu (GH793), choose Create and Compare and Code Page Environment.

1. On the Processing Options form, complete the following:
 - Compare Environment Prefix
 - Release Postfix
2. On Work With Batch Versions - Available Versions, choose the version that you want to run, and then choose Processing Options from the Row menu.
3. On Processing Options, complete the following field:
 - Language Environment Path Code
Enter the name of the path code in which your language environments will reside.
4. Click OK.
5. On Work With Batch Versions - Available Versions, choose the version that you want to run, and then click Select.

On Version Prompting, you can use data selection or data sequencing to further define the version that you are running. The version is set to create all of the environments. You must create the compare environment, but you can use data selection to have the batch process create only those language code-page environments that you need.
6. After completing any data selection or sequencing, on the Version Prompting form, click Submit.
7. On Report Output Destination, choose one of the following buttons and click OK.
 - On Screen
 - To PrinterYou have finished creating your base language environments.
8. Use OCM to modify the mappings of each environment to reflect your enterprise setup.

Note

You must have all of your OCM mappings modified before you run the delta process.

Setting Up User Profiles

Each translator or developer needs to be set up correctly within J.D. Edwards software. The translators have additional setup criteria that indicate the language that they use.

► To set up user profiles for a translator

From the System Administration Tools menu (GH9011), choose User Profiles.

1. On Work With User / Role Profiles, complete either of the following fields and click Find:
 - User / Role
 - Address Number
2. Choose a user and click Select.
3. On User Profile Revisions, choose Translation Pref from the Form menu.
4. On the Translation Preferences form, complete the following field:
 - LanguageYou can enter the translator type, but it is not required.
5. Click OK.
6. On the User Profile Revisions form, enter the language preference for the translator. Some languages require runtime language processing to edit the data.
7. Click OK.
8. Set up the user profiles for each translator.

Adding User Security

Each data source might require user security. User security acts like a proxy that transforms the current user into another user when accessing the data. User security is generally required for language setup of user profiles. A user profile often contains language information that you need to convert characters between code pages. The wrong user profile can cause data corruption or data source connection problems. User profiles must be set up correctly on each database server and in J.D. Edwards software to perform user security.

Before You Begin

- Set up all user profiles.

► To add user security

From the Security Administration menu (GH9052), choose User Security.

1. On Work With User Security, complete the following field and click Find:
 - User ID / Role
2. Add all of the necessary data source connections for each user.
3. Click OK.

4. Repeat this task for each user ID that accesses the data sources setup.

Copying the Data from a Prior Release

You must copy data from a prior release of J.D. Edwards software to the current release. You can perform this process using database administration tools or using a series of batch processes defined as table conversions. Translation Tools has a series of batch processes for copying the compare environment, and another series of batch processes to copy to the language code-page environments. You need to run all of these batch processes.

Note

The connection of the user profile is critical when copying data between code pages. The code page conversion becomes corrupt when users connect to data sources with the wrong user profile. See *Editing User Security* in the *Delta Process Guide* for more information.

Compare Environment Tables

The following tables are from the Compare Environment, which you can access from the Status (Compare Environment) menu (GH7931):

Control Tables

User Defined Code Types (F0004) and Language Status (F00041)

User Defined Codes (F0005) and Language Status (F00051)

Menu Text Override File (F0083) and Language Status (F00831)

Task Master (F9000) and Task Relationships (F9001) and Language Status (F90021)

Variant Description (F9005) and Language Status (F90051)

Variant Detail (F9006) and Language Status (F90061)

Component Definition (F9060)

Workspace Definition (F9061)

Top-Level Navigation Icon Definition (F9062)

Secondary Navigation Definition (F9063)

**Data Dictionary
Tables**

Data Field Display Text (F9202) and Data Dictionary
Row Description Language Status (F92021)

Data Item Alpha Descriptions (F9203) and Data
Dictionary Alpha Description Language Status
(F92031)

Media Objects storage (F00165) and Generic Text
Language Status (F001651)

Pristine Tables

Date Title (F83100) and FASTR Date/Title Language
Status (F831001)

Column Headings (F83110) and FASTR Column
Headings Language Status (F831101)

Favorites Relationships and Properties (F91100) and
Favorites Language Status (F911001)

**Central Object
Tables**

Forms Design Aid Extracted Spec (F79751) and
Forms Design Aid Extracted Text Language Status
(F797501)

Report Design Aid Extracted Spec (F79761) and
Report Design Aid Extracted Spec Language Status
(F797601)

Processing Option Text (F98306) and Processing
Option Text Language Status (F983061)

**Service Pack
Resource Tables** Resource Text Translation Work File (F7920) and
Resource Text Translation Language Status
(F79201)

Translation Tables Language Master (F7901)

Delta Table Inclusion (F7902)

User Overrides Table (F98950)

Control Tables for the Code Page Environments

The following table lists the Code Page environments.

Control Tables User Defined Codes - Alternate Language
Descriptions (F0004D)

User Defined Codes - Alternate Language
Descriptions (F0005D)

Menu Text Override File (F0083)

Task Alternate Descriptions (F9002)

Variant Description Alternate Description (F9005D)

Variant Detail Alternate Description (F9006D)

Component Definition - Alternate Description
(F9060D)

Workspace Definition - Alternate Description
(F9061D)

Top-Level Navigation Icon Definition - Alternate
Description (F9062D)

Secondary Navigation Definition - Alternate
Description (F9063D)

Data Dictionary Tables

Data Field Display Text (F9202)

Data Item Alpha Descriptions (F9203)

Media Objects storage (F00165)

Pristine Tables

Date Title (F83100)

Column Headings (F83110)

Favorites - Alternative Description (F91100D)

Central Object Tables

Forms Design Aid Extracted Text (F79750)

Report Design Aid Extracted Text (F79760)

Processing Option Text (F98306)

Suggestion Table

Translations Suggestions (F7910)

Note

You can copy the Translations Suggestions table (F7910) to preserve existing suggestions or you can generate a new table without any data. You should consider the needs of each translation group when you determine the preloading of this data.

The following table lists the Enterprise Content Manager Compare Environments:

Data Dictionary Tables	Data Field Display Text (F9202) & Data Dictionary Row Description Language Status (F92021)
	Data Item Alpha Descriptions (F9203) & Data Dictionary Alpha Description Language Status (F92031)
	Media Objects storage (F00165) & Generic Text Language Status (F001651)
	Forms Design Aid Extracted Spec. (F79751) & Forms Design Aid Extracted Text Language Status (F797501)
	Report Design Aid Extracted Spec. (F79761) & Report Design Aid Extracted Spec Language Status (F797601)
	Processing Option Text (F98306) & Processing Option Text Language Status (F983061)
Code Page	Media Objects storage table (F00165) is the only table included in the Code Page or workspace.

► **To copy the data from a prior release**

From the Delta Environment Administration menu (GH793), copy the data from both the Compare and Code Page Environments and data sources.

Note

The table mappings in Object Configuration Manager should be based on the standard location, except for the tables in the Content Manager Compare Environment. The tables in the Content Manager Compare Environment should always be mapped to the Compare Environment and the Code Page Environments. The naming convention of the environment and data source should be synonymous.

1. Choose the Compare Environment or Code Page Environment that you want to copy and right-click.
2. Choose Prompt For, and then click Version.
3. On Work With Batch Versions – Available Versions, choose the version that you want to run.
4. From the Row menu, choose Processing Options.
5. On Processing Options, complete the following fields on the Environments tab:
 - From Environment
Enter the language environment name from the prior J.D. Edwards software release.
 - To Environment
Enter the language environment name of the current J.D. Edwards software release.
6. Click the Conversion Process tab and complete the following fields:
 - Conversion Program Name
The system populates this field, but you can overwrite it with the name of any of the language table conversion batch applications.
 - Program Version
The system populates this field, but you can overwrite it with any of the language table conversion batch application versions as long as it applies to the Conversion Program Name.
7. Click OK.
8. On Work With Batch Versions - Available Versions, choose the version that you want to run, and then click Select.
9. On the Version Prompting form, click Submit.
10. On Report Output Destination, choose one of the following options and click OK:
 - On Screen
 - To Printer

You have finished copying production data from the prior J.D. Edwards software release to the current release.

Note

Content Manager uses this same process to track source changes in text. After software developers enter initial glossaries, content developers use the environment and database to track editing changes. The content developers are ultimately responsible for the glossary. The tables required in a Content Manager Compare Environment are a subset of Translation Compare.

Editing the Language Master

The Language Master is an integral part of the Delta Process and Translation Tools. The Delta Process uses the Language Master to define which status records are maintained during the change process. To use all of the necessary tools, you also need code page mapping information and other setup information.

► To edit the Language Master

From the Delta Administration (GH792) menu, choose Language Master.

1. On Translation Tools Language Master, edit the records for the appropriate languages that match the status records in the Compare Environment.

Any languages missing status records or any status record without a Language Master corrupts the database when you run the Delta Process.

During the copy, languages should exist from the data for the previous release.

2. Verify and edit the correct record or records for the following values, and then click OK:

- Code Page

This value comes from UDC H79/CP.

- L
- MS Word Language ID

- Code Page

This value is the code page data source.

Important

Complete all of the preceding tasks before you run the delta process for the first time. You should verify the environments and data sources for accuracy, especially code page conversions for all languages. Ensure that users are able to enter the compare environment and edit changes before running the delta process.

The Delta Process

The Delta Process is a batch application. The following tasks explain how to create the batch version for the delta process (which includes selecting translation tables), run that version, and then debug that version, if necessary.

Working with the Delta Process Translation Tables

This task explains how to choose the translation tables that you want to include in the Delta Process. The Delta Process uses batch versions to group the translation tables. You initially define the batch version in the Translation Tools; this definition indicates the translation tables that you want to include. You also must add the version to the system using the Batch Versions application.

The following translation tables are included in the Delta Process:

- User Defined Codes Types (F0004)
- User Defined Codes (F0005)
- Data Dictionary Glossary (F00165)
- Menu Text (F0083)
- Resource Text Translation (F7920)
- Forms Design Aid Extracted Text (F79750)
- Reports Design Aid Extracted Text (F79760)
- FASTR Date Title (F83100)
- FASTR Column Headings (F83110)
- Task Master (F9000)
- Variant Description (F9005)
- Variant Detail (F9006)
- Component Definition (F9060)
- Workspace Definition (F9061)
- Top-Level Navigation Icon Definition (F9062)
- Secondary Navigation Definition (F9063)
- Favorites Relationships and Properties (F91100)
- Data Field Display Text (F9202)
- Data Item Alpha Descriptions (F9203)
- Processing Option Text (F98306)

See Also

- *Creating a Batch Version* in the *Foundation Guide* for information about creating a batch version

► To add translation tables to the Delta Process

From Delta Process Administration (GH792), choose Delta Inclusion.

1. On Work with Delta Table Inclusions, click Add to create a new version, or click Select to edit an existing version.
2. On Delta Table Inclusion, edit the appropriate tables to be included as part of each version.
3. Complete the following fields:

- Version

Enter the name of a version (for example, XJDE0001).

Note

When you create this version using the Batch Versions application, you need to use this name.

- Delta Source Environment

Enter the name of the environment from which the delta process reads the source files.

- Delta Destination Environment

Enter the name of the environment from which the delta process writes or updates the destination files.

- Delta Include

Enter 1 to include the table or 0 (zero) to exclude the table when you run the delta process.

- Delta Table

Enter the name of a delta table.

4. Click OK.
5. On Work with Delta Table Inclusions, click Find to view the delta tables you added.
6. Add the version using the Batch Versions application. You must use the same version name in the Translation Tools and in the Batch Versions application.

Note

All batch applications working with the delta process use the delta inclusion table information. Data selection for every delta batch application works with the version information defined in the delta inclusion application. Depending on the administrator requirements, you can enable or disable all tables. To add the version, see *Creating a Batch Version* in the *Foundation Guide*.

► To revise translation tables included in the Delta Process

From *Delta Process Administration (GH792)*, choose *Delta Inclusion*.

1. On *Work with Delta Table Inclusions*, click *Find* to view any versions for the delta process.
2. On *Work with Delta Table Inclusions*, choose the delta table that you want to revise, and then click *Select*.
3. On *Delta Table Inclusion*, complete the following field to indicate whether you want to include the delta table the next time you run the delta process:

- *Delta Include*

If you exclude a delta table, the delta process does not run the table. This exclusion does not delete the delta table from the delta process version; it merely disables it. Use the form exits for *Yes* and *No* to quickly change all tables.

4. When you finish including and excluding tables, click *OK*.
5. On *Work with Delta Table Inclusions*, click *Find* to view the revision that you made.
6. To delete a delta table, click a delta table row in the detail area, and then click *Delete*.

Running the Delta Process

This task explains how to verify the delta-process processing options and run the delta process, which is a batch version. You should verify the processing options first, and then run the version.

Note

You should always run the batch application locally. The *Form Design Aid (FDA)* and *Report Design Aid (RDA)* contain binary large objects (BLOB) that can be interpreted only on a Windows client computer.

Before You Begin

- ❑ Complete the setup for the delta process. See *Setting Up the Delta Process for Each Release* in the *Delta Process Guide*.

Standard Procedures for Running the Delta Process

You should complete the following procedures when you run the delta process:

1. Send an announcement message for the scheduled start date and time and the estimated end date and time.
2. Verify the OCM mapping of the source environment and target environment. Incorrect mappings will cause database corruption.
3. Verify that the target environment is the environment into which the delta administrator signed on. Translators will use this same environment.

4. Use the Universal Table Browser (UTB) to verify each data source and table. Data source connection problems might corrupt the database.
5. Begin the delta process at the scheduled time. A delta process might take as long as 10 hours when the compare environment has multiple languages.
6. Make a backup copy of the compare environment. The delta process does not affect any code page data. The delta process compares only source and destination tables, making appropriate source record changes and updating status records in the compare environment.

► **To run the delta process**

From Delta Process Administration (GH792), choose Delta Process Batch Submission.

1. On Work With Batch Versions - Available Versions, in the detail area, click the version that you want to run, and then choose Processing Options from the Row menu.
2. On Processing Options, verify the information in the following fields:
 - **Delta Source Environment**
Enter the name of the environment to override where the delta process reads the source files.
 - **Delta Destination Environment**
Enter the name of the environment to override where the delta process writes or updates the destination files.
 - **Maximum Cache Size**
Enter the maximum size, in megabytes, for your source and destination caches. If the maximum cache size is reached, the delta process stops.
 - **Maximum Consecutive Errors**
Enter the maximum number of consecutive errors that you want the delta process to allow before the process stops. For example, you can have the delta process stop automatically if it processes five errors in a row. However, if five or more errors occur during the process, but they are not consecutive, the delta process continues.
 - **Compare Source and Destination records**
If your delta source and destination records reside on different types of computers, enter 1 in this field to disable the caching capability of the delta process. For example, if your source records reside on an AS/400 and your destination records reside on an HP9000, enter 1 in this field. If you do not disable the caching, the respective caches fill to their maximum cache size, and the delta process stops.

If the source and destination records reside on the same type of computer, such as AS/400s, leave this field blank to allow for caching, which results in faster performance of the delta process.
3. On the Processing Options form, click OK.

4. On the Work With Batch Versions - Available Versions form, in the detail area, choose the version that you want to run, and then click Select.
5. On Version Prompting, click Submit.
If the Processing Options form prompts for editing, click OK and the Report Output Destination form will appear.
6. On Report Output Destination, click one of the following buttons and then click OK:
 - On Screen
 - To Printer

The delta process runs, comparing the source and destination files and identifying any differences between them. The report lists these changes.

7. At the end of the delta process, a secondary synchronized batch process, the System Code Status Record Update program (R79803), starts.

The System Code Status Record Update program updates product or system code information in the status records. The tables containing this information must be mapped to the correct source environment.

The system code tables include the following:

- F9001 Task Relationships
- F9200 Data Item Master
- F9860 Object Librarian Master Table

Note

You can run the System Code Status Record Update program (R79803) at any time. It is not a task menu item. To run it, the delta administrator must start Batch Versions (BV) from the Fast Path and then enter the batch application (R79803), and choose and launch a version. The table selection works with the delta inclusion application information.

Viewing the Progress of the Delta Process

This task explains how to view the progress of the delta process, which includes the status of the process.

► **To view the progress of the delta process**

From Delta Process Administration (GH792), choose Delta Inclusion.

1. On Work with Delta Table Inclusions, click Find to view any versions for the delta process.
2. Review the Status Description field for the following status messages:
 - Unknown Error
Indicates that the delta process has stopped running.

- **Fatal Error**
Indicates that the delta process has stopped running.
- **Minor Error**
Indicates that the delta process has stopped running because the number of errors that occurred consecutively matches or exceeds the value that you entered in the processing option for the maximum number of consecutive errors.
- **Processing**
Indicates that the delta process is still running. This status message continually updates during the delta process.
- **Complete Success**
Indicates that the delta process completed successfully.

Note

With a successful backup copy, users can enter the compare environment to continue working. It is better to have no users in the system, and the translation tools application limits access to data based on the current status of the delta process. In the event of data corruption, the data should be restored from the backup copy.

Using `jde.log`

Use the `jde.log` file to both follow the progress of the delta process and to identify errors that might have occurred. J.D. Edwards software automatically uses `jde.log` to track the progress and any errors of the delta process; no set up is required to use `jde.log`. While the delta process is running, you can access `jde.log` to view the progress.

When viewing `jde.log`, locate any delta process information by searching for the word *delta* or for the B7900022 business function.

The delta keeps a one-to-many relationship between the source records and status records. The language master defines the one-to-many relationship. Any time a status record is missing, the delta attempts to insert all records. An insert failure might inadvertently result from keeping the one-to-many relationship.

Using `jddebug.log`

Use `jddebug.log` to identify process errors that might occur during the delta process. You need to set up `jddebug.log` using the `jde.ini` file if you want to use the log file for debugging the delta process.

Tracking the Status of Each Delta Process

This task explains how to report the changes for each Delta Process. The delta inclusion saves the last historical information by default. You can export this information from the detail area for reporting purposes.

If you need more historical information, you can run the Translation Compare Status Report (R79810) for statistics. You should run this report at the completion of every Delta Process. The report shows record total changes over the compare environment. You can use the report to analyze delta problems and concerns that you might have after you run the Delta Purge and Rebuild Process (R79801) program.

► To run the translation compare status report

From Delta Process Administration (GH792), choose Status Report.

1. In the detail area of Work With Batch Versions – Available Versions, choose the version that matches the table selection for the delta inclusion version, and click Select.
2. On Version Prompting, click Submit.
3. On Processing Options, enter the language selection to limit the size of the report. When the language selection is blank (the default value), all languages in the compare environment print on the report.
4. Click OK.

Using Preview Functionality

Many of the translation tools have a preview feature that is built into the application. The preview feature uses local specifications to get current source and target text changes to show how objects will look with the current delta changes.

You must download specifications to each client machine before processing the preview functionality. The delta process keeps the compare environment synchronized with the objects in a path code, but the delta does not update local machine specifications. Translation Tools has implemented the Advanced Get feature from Object Management Workbench to perform previews.

If the items have changed, Translation Tools automatically gets the specifications based on untranslated status items.

► To use preview functionality

From Translation Delta Process Administration (GH792), choose Delta Inclusion.

1. On Work with Delta Table Inclusions, choose Constants from the Form menu to edit the necessary information for the preview feature.
2. On Delta Constants, complete the following fields:
 - Path Code
OMW Activity Rules must be set up to access the objects in this path code.
 - Release

Enter the current release that matches your path code.

3. Click any of the following options and then click OK:
 - Forms Design Aid (FDA)
 - Report Design Aid (RDA)
 - Processing Options (PO)
 - Data Dictionary (DD)

Note

The options are disabled until you enter a path code and release.

Working with Delta Process Advanced Options

The environments and database contain a very large set of data that could become corrupt. The delta process includes a suite of batch applications to help keep the compare and code page environments intact.

Purging and Rebuilding Delta Tables

When the compare and code page environments are out of synchronization, use the Delta Purge and Rebuild Process (R79801) to identify and fix problems. You should rebuild at the beginning of the translation life cycle, but purge before mastering the software.

The purge process deletes the following types of records:

- Status and language records that are marked for deletion (status = 99).
- Language records that do not have a corresponding status record. This means that the language record is extraneous because, without a corresponding status record, it does not match any of the English records. The translation record has become an orphan.
- All untranslated language records (status = 20). This removes bad translations. Untranslated text is a better result than a bad translation.

The rebuild process performs the following tasks:

- Checks certain status records for missing translation records or untranslated text.
- Compares all status records that are complete (status = 11) for matching language records.
- Changes the status of the corresponding status record to either untranslated (status = 20) or new item (status = 40) for each language record that meets the following conditions:
 - Record does not exist
 - Record is blank
 - Record contains English (you need to set a processing option for this function)

► **To purge and rebuild delta tables**

From the Purge and Rebuild (GH7922) menu, choose Purge and Rebuild Batch Submission.

1. On Work With Batch Versions - Available Versions, choose the Purge and Rebuild version in the detail area and then choose Processing Options from the Row menu.
2. On the Processing Options form, complete the following fields on the Process tab:
 - Language
Enter the language code, such as W for Swedish, for the language records that you want to purge and rebuild.
 - Translation Compare Environment
Enter the compare environment or leave this processing option blank to use the default compare environment. The wrong compare environment can cause corruption in the database.
 - Code Page Environment
Enter the language code page environment or leave this processing option blank to use the default code page environment. The wrong code page environment can cause corruption in the database.
 - Purge
Leave this processing option blank to run the purge process. Enter 1 in this processing option to prevent the purge process from running.
 - Rebuild
Leave this processing option blank to run the rebuild process. Enter 1 in this processing option to prevent the rebuild process from running.
 - Duplicate English
Enter 1 in this processing option to run a process that checks language records for any source English that also appears in the source English records. Any duplicate source English would change the corresponding status record to untranslated (status = 20). Generally, translation memory problems cause English text to appear in translated software, and this process can reset the status appropriately.
3. Click OK.
4. On Work With Batch Versions - Available Versions, in the detail area, choose the version that you want to run, and then click Select.

The data selection is defined by the delta inclusion application.

If the Processing Options form prompts for editing, click OK and the Report Output Destination form will appear.
5. Click one of the following options and then click OK:
 - On Screen
 - To Printer

The batch process runs.

Note

The purge and rebuild process also rebuilds information in the code page records. Tables such as UDC (F0005D), RTT (F7920), and PO (F98306) contain information from the source records. This process fixes translation or mastering issues.

Fixing Status Record Problems

Sometimes, status records are not updated appropriately. These records are often missing the English source and have become orphaned. You can run the Check Status with Text Records program (R79802) to fix these problems. This process runs in the compare environment and works with all language status records that are missing a source record.

► To check delete status with text records

From the Purge and Rebuild menu (GH7922), choose Check Delete Status Batch Submission.

1. On Work With Batch Versions - Available Versions, choose the version in the detail area and choose Processing Options from the Row menu.
2. On the Processing Options form, complete the following processing options and click OK:

- Update Delete Status Records

The report shows totals for the records that will be purged from the system.

- Delete Status

3. On Work With Batch Versions - Available Versions, in the detail area choose the version that you want to run, and then click Select.

The data selection is defined by the delta inclusion application.

If the Processing Options form prompts for editing, click OK and the Report Output Destination form will appear.

4. Click one of the following options and click OK:

- On Screen
- To Printer

The batch process runs.

Enterprise Content Manager Batch Applications

Enterprise Content Manager uses the delta process to track English source changes. The changes can then be edited by developers into a code page or workspace database. A tool in Enterprise Content Manager allows developers to access the data dictionary to edit the delta glossary items. These edits eventually need to be synchronized with the pristine database for the purposes of translating and mastering the software.

► **To update the pristine and compare databases with developer edits**

From the With Delta menu (GH7941), choose Delta Data Synch.

1. On the Processing Options form, complete the following processing options:
 - **Compare Data Source**
This data source contains the status records and the compare source English.
 - **Code Page Data Source**
This data source contains the edits that the developers entered and which need to be updated in the Compare and Destination data sources.
 - **Destination Data Source**
This data source contains the current pristine set of data for the current release of the data dictionary.
 - **Synch by Status**
This option selects the status records to update, so that only edited items will be replaced.
 - **Update Compare Status**
This option updates the status, so that the same records are not continually updated with this process.
2. Click OK.
3. On Report Output Destination, choose one of the following options and click OK:
 - On Screen
 - To PrinterThe batch process runs.

When Enterprise Content Manager is not using the delta process to track changes, a set of non-BLOB FDA (non-Binary Large Object Form Design Aid) data is required to use the token integration tool. The non-BLOB data can be generated from the BLOB specifications in order to allow edits when using token integration in Enterprise Content Manager.

► **To create non-BLOB FDA specifications**

From the Without Delta menu (GH7942), choose FDA Spec Conversion.

1. On the Processing Options form, complete the following processing options:
 - **FDA Spec Source Environment**
This environment contains the path code information of your current FDA BLOB specifications.
 - **FDA Data Destination Environment**
This environment contains the mapping to the compare environment.
 - **Maximum Consecutive Errors**

- From Range – Interactive Application Name.
To limit the size of the non-BLOB specification data, enter a starting application such as Business Unit Master (P0006).
 - Thru Range – Interactive Application Name.
To limit the size of the non-BLOB specification data, enter an ending application such as Purchase Order Entry (P4310).
2. Click OK.
 3. On Report Output Destination, choose one of the following options and click OK:
 - On Screen
 - To Printer

The batch process runs and creates the data that is necessary to use the Token integration tool for Content Manager.

Updating FDA and RDA Tables with Translated Text

This task explains how to update Form Design Aid (FDA) and Report Design Aid (RDA) tables with translated text. J.D. Edwards software stores FDA and RDA tables in the binary large object (BLOB) format. The delta process converts the FDA and RDA text into Unicode, ASCII, or EBCDIC, depending on your system. After translation is complete and before language mastering, the mastering administrator needs to run the batch processes to convert the translation text back into the BLOB format for use within J.D. Edwards software.

► To update FDA and RDA tables with translated text

From the Language Mastering Administration menu (GH7933), choose FDA Blob Update.

1. On Work With Batch Versions - Available Versions, choose the version in the detail area and then choose Processing Options from the Row menu.
 2. On the Processing Options form, complete the following processing options:
 - Translation's Code Page Environment
 - Master's Code Page Environment
 - Language Selection

Enter the language code, such as W for Swedish, for the language records that you want to purge and rebuild.
 3. Click OK.
 4. On Work With Batch Versions - Available Versions, choose the version in the detail area, and then click Select.
 5. On the Version Prompting form, click Submit.
- If the Processing Options form prompts for editing, click OK and the Report Output Destination form will appear.

6. Choose one of the following options and click OK:

- On Screen
- To Printer

The batch process runs.

7. Return to the Language Mastering Administration menu and choose RDA Blob Update.

8. Repeat steps 2 through 6.

Code Page Character Sets

Translation text exists in many forms of character code pages. Some of these code pages include Unicode, ASCII, or EBCDIC, depending upon your system. Unicode has different encoding sets, such as UTF-16, UTF-8, USB-2, and so on. Unicode character code pages are often converted to either ASII or EBCDIC code pages for processing on different platforms.

The character sets for both ASCII and EBCDIC character code pages are shown in the following tables:.

ASCII Code Page Character Sets			
Language	Description	ASCII ID	ASCII Code
AR	Arabic	AR_CP1256	720
C	Czech	EE_CP1250	852
CS	Simplified Chinese	SC_GB	936
CT	Traditional Chinese	TC_BIG5	950
DN	Danish	WE_ISO88591	437
DU	Dutch	WE_ISO88591	437
F	French	WE_ISO88591	437
FN	Finnish	WE_ISO88591	437
G	German	WE_ISO88591	437
GR	Greek	GR_CP1253	737
HU	Hungarian	EE_CP1250	852
I	Italian	WE_ISO88591	437
J	Japanese	JA_SJIS	932
KO	Korean	KO_KSC	949
NO	Norwegian	WE_ISO88591	437
P	Portuguese	WE_ISO88591	437
PO	Polish	EE_CP1250	852
RU	Russian	RS_CP1251	866
S	Spanish	WE_ISO88591	437
TR	Turkish	TK_CP1254	857
W	Swedish	WE_ISO88591	437

EBCDIC Code Page Character Sets			
Language	Description	EBCDIC ID	EBCDIC Code
AR	Arabic	AR_EBCDIC	420
C	Czech	EE_EBCDIC	870
CS	Simplified Chinese	SC_EBCDIC	935
CT	Traditional Chinese	TC_EBCDIC	937
DN	Danish	US_EBCDIC	37
DU	Dutch	US_EBCDIC	37
F	French	US_EBCDIC	37
FN	Finnish	US_EBCDIC	37
G	German	US_EBCDIC	37
GR	Greek	GR_EBCDIC	875
HU	Hungarian	EE_EBCDIC	870
I	Italian	US_EBCDIC	37
J	Japanese	JA_EBCDIC	939
KO	Korean	KO_EBCDIC	933
NO	Norwegian	US_EBCDIC	37
P	Portuguese	US_EBCDIC	37
PO	Polish	EE_EBCDIC	870
RU	Russian	RS_EBCDIC	1025
S	Spanish	US_EBCDIC	37
TR	Turkish	TK_EBCDIC	1026
W	Swedish	US_EBCDIC	37