Sterling Standards Library

Using HIPAA

Version 6.1

Sterling Commerce
An IBM Company

Contents

HIPAA Standards Supported in the Application

HIPAA refers to the federally mandated Health Insurance Portability and Accountability Act. You need a license key to access HIPAA functionality in the application. Contact your Sterling Commerce sales representative for more information.

To use HIPAA in the application, you should be familiar with HIPAA, with using the Map Editor to create and validate translation maps, and with setting up trading partners in the application.

HIPAA level 5 validation includes code lists that are maintained by external suppliers. In order to use Code list for HIPAA Level 5 with the Map Editor, you must obtain them from a third party, translate them into an import format that can be validated by the SI_IE_Resources.xsd schema (a format that the application can understand), and then import them into the application.

The application includes a command line utility that translates and imports HIPAA code lists into the application. There is a Windows (.cmd) and a UNIX (.sh) version of the command line utility. The Map Editor validates against these new code lists.

ANSI X12 Transactions Supported for HIPAA

The application supports the following versions of the industry-standard ANSI X12 transactions for HIPAA. These transactions are listed below.

Transaction	Version
270	004010X092A1, 005010X279
271	004010X092A1, 005010X279
276	004010X093A1, 005010X212
277	004010X093A1, 005010X212
278	004010X094A1, 005010X217
820	004010X061A1, 005010X218
834	004010X095A1, 005010X220
835	004010X091A1, 005010X221
837	004010X096A1, 005010X222, 005010X223A1 (institutional) 004010X097A1, 005010X224A1 (dental) 004010X098A1 (professional)

Code Lists and Validation Supported for HIPAA

The application provides validation of inbound and outbound data based on industry-standard HIPAA rules defined for level 1 through level 6. The following criteria apply:

- The inbound and outbound ANSI X12 ST/SE Transaction Level document envelopes specify the validation level to be used. The validation maps provided with the application contain validations for HIPAA levels 1 through 6, but the trading partner setting controls which validations are actually applied.
- Code lists for HIPAA compliance levels 1 through 4 and level 6 are installed automatically with the application. The Map Editor validates against these code lists.
- Code lists for HIPAA compliance level 5 are maintained by external suppliers and must be obtained and imported into the Map Editor before you can validate against them. After import, the Map Editor validates against these code lists.

Overview of HIPAA Setup in the Application

Note: In the following table, steps 1,5, and 6 are steps for doing HIPAA validation as part of enveloping or deenveloping. Steps 2,3, and 4 are for performing mapping of HIPAA transactions.

Step	Action	Description
1	Optional for HIPAA Level 5 validation only. Add Level 5 code lists to the application.	See *Optional: Adding HIPAA Level 5 Code Lists to the Application* on page 13.
2	Download and install the Map Editor.	In the application, select **Deployment > Maps > Download**.
3	Download and install the HIPAA standards database.	In the application, select **Deployment > Maps > Download EDI Standards** and be sure to select the **HIPAA Standards** check box.
4	In the Map Editor, create a map with an EDI layout from the ANSI X12 standard.	See *Creating a HIPAA Layout from an EDI Standard* on page 9.
5	For the inbound and outbound document envelopes, specify that HIPAA compliance checking should be performed.	See *Changing the HIPAA Validation Level in Envelope Properties* on page 12.
6	For the inbound and outbound document envelopes, specify the HIPAA validation level.	See *Changing the HIPAA Validation Level in Envelope Properties* on page 12.

Creating a HIPAA Layout from an EDI Standard

When you create a new map, you can either manually create an EDI layout or you can use a wizard that creates a layout for you based on an EDI standard. The wizard saves you time and effort and minimizes the risk of having an invalid standard format.

To create a HIPAA layout from an EDI standard:

1. From the Map Editor **File** menu, select **New**.
2. In the **New Map Wizard**, complete the questions in the first window and click **Next**.

   Note: Be sure that **Sterling Integrator** is selected in the **What type of map are you creating** list.

3. If you are translating from EDI, in the Input Format window select **Delimited EDI** and click **Messages** or **Customize** (depending on whether you chose to create a new data format using the standard or syntax). If you are translating from another format, select that format and continue to the next screen.
4. Select the Import code list checkbox, if you want to import code lists from the database and click **Next**.
5. Select the ODBC data source that contains the HIPAA database and click **Next**.

   Note: The default data source name used by Map Editor is **SI HIPAA Standards**.
6. Select the standards agency, version, and transaction set and click **Next**.
7. Click **Finish** to load the transaction set you selected.
8. If you are translating to EDI, in the Output Format window, select **Delimited EDI** and click **Customize**.
9. Select the Import code list checkbox, if you want to import code lists from the database and click **Next**.
10. Select the ODBC data source that contains the HIPAA database and click **Next**.

    Note: The default data source name used by Map Editor is **SI HIPAA Standards**.
11. Select the standards agency, version, and transaction set and click **Next**.
12. Click **Finish**. The Map Editor displays the new map in the Map Editor window.

Maps Generated from the HIPAA Database

Some details about the maps generated from the HIPAA database.

- The code list used for a particular element may be less restrictive than the specification in the implementation guide. The values in the code list are determined as follows (all examples are from the 005010X223A1 version of the 837):
  a. For elements that are the key field for the first segment in a given loop (for example, element 0098 of segment NM1 in loop 1000A), the code list for that element will contain only the single value that is permitted for that element.
  b. Similarly, for elements that are the key field for a given segment in a series of instances of that segment (for example, element 0128 in either of the two REF segments within loop 2010BA), the code list for that element will contain only the single value that is permitted for that element.
  c. For all other elements with code lists, the code list will contain all the **possible values** for that element for **any** instance of that element in the map, regardless of whether or not a value is permitted in that particular instance. For example, the 0066 element of the NM1 segment in the 1000A loop has a code list allowing the values 46, AC, II, MI, PI, XV, and XX even though only the value 46 is permitted for this instance of the 0066 element in the implementation guide. To do the validation according to the HIPAA implementation guide, you should modify the code list in these cases to use only the values specified in the implementation guide.
- For transaction sets with a hierarchical structure (for example, 837), the loop will not be nested in a fashion corresponding to the hierarchical structure. For example, in the 837 transaction set, loops 2000A, 2000B, and 2000C will appear as siblings at the root level of the map. You should modify these loops to nest them according to the HIPAA implementation guide.

HIPAA Map Components in the Map Editor

The following table identifies how the components of a map (groups, segments, and elements for the ANSI X12 standard) are displayed in the Map Editor and work with HIPAA standards to ensure the appropriate validation is performed by the map.

Note: In the Map Editor, press **F1** in any dialog box to display Help.

EDI Map Component	Map Editor Dialog Box where HIPAA validation is indicated	Field and Properties
Group	Group Properties > Looping tab	**Min usage** If a segment is required for HIPAA, the minimum usage is **1**. If a segment is designated as situational for HIPAA, the minimum usage is **0**.
Group	Group Properties > Ordering tab	**Ordering Tag** Used to perform validation on the ordering types to ensure there is a start and end for every defined ordering sequence. For HIPAA X12 transactions it is automatically populated when reading the EDI standard to create a map layout.
EDI Segment	EDI Segment > Looping tab	**Min usage** If a group is required for HIPAA, the minimum usage is **1**. If a segment is designated as situational for HIPAA, the minimum usage is **0**.
EDI Segment	EDI Segment > Ordering tab	**Ordering Tag** Used to perform validation on the ordering types to ensure there is a start and end for every defined ordering sequence. For HIPAA X12 transactions it is automatically populated when reading the EDI standard to create a map layout.
Element	Element Properties > Validation tab	**Mandatory field** For HIPAA, this check box is selected if the element is required (designated as R in the HIPAA standard) and is cleared if the element is designated as situational (S). **Not Used field** For HIPAA, this check box is selected if the element is not to be used. **Note:** Providing a value for a Not Used field in a HIPAA message will cause validation errors on performing compliance checks if the parameter **Throw an error if a field is present but marked as "Not Used"** is selected in the Map Details dialog box.

Changing the HIPAA Validation Level in Envelope Properties

When you are using HIPAA and you create an ANSI X12 envelope (inbound or outbound) at the ST/SE Transaction level, you must:

- ✦ Specify that the HIPAA compliance check is performed
- ✦ Select the HIPAA validation level for the envelope

To specify that the HIPAA compliance check is performed and select the appropriate HIPAA validation level for the envelope:

1. In the application, select **Trading Partner > Document Envelopes > Envelopes**.
2. Under Create (next to New Envelope), click **Go!**
3. On the Envelope Standards page, select **ASC X12** and click **Next**.
4. Select the level of **X12 ST SE** Envelope you want to create (Inbound or Outbound), and click **Next**.
5. On the Base Envelope page, do you want this envelope to inherit properties from a base envelope (if available)?
   - ◆ If Yes, select a base envelope and click **Next**.
   - ◆ If No (you want to create a new envelope), select **Not Applicable** (or **No Base Envelopes Available)** and click **Next**.
6. On the Name page, type a unique name for the envelope and a description or comments, then click **Next**.
7. Complete the properties for the envelope as necessary and click **Next** after each page until you reach the page that specifies **Perform HIPAA compliance check**.

   Note: Required fields are highlighted in blue. If you selected a base envelope, those properties are pre-filled but you can change them as needed. For more information, see the documentation on *ASC X12 Inbound ST/SE Envelope Properties, Transaction Level* or *ASC X12 Outbound ST/SE Envelope Properties, Transaction Level*.
8. For the **Perform HIPAA compliance check** parameter, select **Yes** and then click **Next**.
9. On the HIPAA Validation Level page, select the **HIPAA Validation Level** and click **Next**.

Envelope Field Name	Valid Values
HIPAA Validation Level	◆ Level 4 (including levels 1,2 and 3) ◆ Level 5 (including levels 1,2,3 and 4) ◆ Level 6 (including levels 1,2,3,4 and 5)

10. Complete the properties for the envelope as necessary and click **Next** after each page until you reach the Confirm page.

    Note: Required fields are highlighted in blue. If you selected a base envelope, those properties are pre-filled but you can change them as needed. For more information, see the documentation on *ASC X12 Inbound ST/SE Envelope Properties, Transaction Level* or *ASC X12 Outbound ST/SE Envelope Properties, Transaction Level*.

11. Click **Finish** to add the envelope.

Optional: Adding HIPAA Level 5 Code Lists to the Application

HIPAA level 5 validation includes code lists that are maintained by external suppliers. To use HIPAA level 5 code lists with the Map Editor, you must obtain them from a third party, translate them into a format that can be validated by the SI_IE_Resources.xsd schema (as required by the application), and import them into the application.

The application supplies a command line utility that you use to add the external HIPAA level 5 code lists to the application. Using the utility automatically converts the code lists to the required format. There is a Windows (.cmd) and a UNIX (.sh) version of the command line utility. After the import, the Map Editor validates against these new code lists.

To add a code list:

1. Download or save the code list you want to import to the **tp_import** directory where the application is installed.
2. From a command line, go to the **tp_import** directory.
3. Type the following command to start the conversion and import process, where <map name> is the name of the map to use during translation (without the file extension) and <code list path and filename> is the fully qualified name of the code list to translate, including filename extension, if any:
   - If you are using Windows, **hipaaconvert.cmd [-import] <map name> <code list path and filename>**
   - If you are using UNIX, **hipaaconvert.sh [-import] <map name> <code list path and filename>**

   Do not specify the file extension for the map name when importing a code list—just indicate the base name of the map. Select the appropriate map for the code list that you are importing. See the table *HIPAA Level 5 Code Lists Supported in the Application* on page 14 for more information on the map names.

   The [-import] parameter is optional. You can convert the code list file without importing it. If you do not use the [-import] parameter during conversion, you can import the resulting XML file into the application using the import utility.
4. Once the utility completes, a translation report (hipaaconvert.rpt) and an input file (hipaaconvert.xml) are created. If no translation errors are reported, the code list was successfully generated (and imported if you used the [-import] parameter). A code list will not be imported if there are translation errors.

Note: The code list conversion utility can also be used to run maps without creating a business process.

HIPAA Level 5 Code Lists Supported in the Application

The application supports the following external code lists for HIPAA Level 5. For more information on a specific code list, including the format expected by the application, click the corresponding Application Code List name.

External Code List Name	Application Code List Name	Code List ID	Map Name to be Used
ABA Routing Number	ABARouting	4	ABARouting
Advanced Billing Concepts (ABC) Codes	ABCCodes	843	ABCCodes
Claim Adjustment Reason Code	AdjustmentReason	139	AdjustmentReason
Admission Source Code	AdmissionSource	230	AdmissionSource
Admission Type Code	AdmissionType	231	AdmissionType
Ambulatory Payment Classification	APC	468	APC
Bill Type 1	BillType1	236	BillType1
Bill Type 2	BillType2	236	BillType2
Canadian Financial Institution Branch and Institution Number	CanadianInstitution	91	CanadianInstitution
American Dental Association	CDT	135	CDT
Claim Frequency Type Code	ClaimFrequency	235	ClaimFrequency
Health Care Claim Status Category Code	ClaimStatusCategory	507	ClaimStatusCategory
Health Care Claim Status Code	ClaimStatus	508	ClaimStatus
Centers for Medicare and Medicaid Services Plan ID	CMMSNProviderID	540	Not applicable. Click the application code list name for more details.
Centers for Medicare and Medicaid Services National Provider Identifier	CMMSNProviderID	537	CMMSNProviderID
National Uniform Billing Committee (NUBC) Codes	Condition	132	Condition
Countries, Currencies, and Funds	Countries	5	Countries
Current Procedural Terminology	CPT	133	CPT

External Code List Name	Application Code List Name	Code List ID	Map Name to be Used
Countries, Currencies, and Funds	Currencies	5	Currencies
International Organization for Standardization (Date and Time)	DateTime	94	Not applicable. Click the application code list name for more details.
(DFI) Identification Number	DFI	60	Not applicable. Click the application code list name for more details.
Centers for Medicare and Medicaid Services (CMS) Durable Medical Equipment Regional Carrier (DMERC) Certificate of Medical Necessity (CMN) Forms	DMERCCMN	582	Not applicable. Click the application code list name for more details.
Military Rank and Health Care Service Region	DOD1Rank	DOD1	Not applicable. Click the application code list name for more details.
Paygrade	DOD2Paygrade	DOD2	Not applicable. Click the application code list name for more details.
Eligibility Category	DODEligibility	844	Not applicable. Click the application code list name for more details.
Diagnosis Related Group Number	DRG	229	DRG
D-U-N-S Number	DUNS	16	DUNS
FIPS-55	FIPS55	43	FIPS55
Form Type Codes	FormTypeCodes	656	FormTypeCodes
Government Bill of Lading Office Code	GBLOC	206	Not applicable. Click the application code list name for more details.
Health Industry Number	H1N	121	H1N
Healthcare Common Procedural Coding System	HCPCSCPT	130	HCPCSCPT
Home Infusion EDI Coalition Product/Service Code List	HIEC	513	HIEC
Health Insurance Prospective Payment System Rate Code for Skilled Nursing Facilities	HIPPS	716	HIPPS
International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)	ICD9	131	ICD9

External Code List Name	Application Code List Name	Code List ID	Map Name to be Used
International Classification of Diseases, 10th Revision, Clinical Modification (ICD-10-CM)	ICD10CM	897	ICD10CM
International Classification of Diseases, 10th Revision, Procedure Coding System (ICD-10-PCS)	ICD10PCS	896	ICD10PCS
Country Subdivision	ISO3166	5	Not applicable. Click the application code list name for more details.
Languages (ISO 639)	ISO639	102	ISO639
Logical Observation Identifier Names and Codes	LOINC	663	LOINC
National Association of Insurance Commissioners Code	NAIC	245	NAIC
National Council for Prescription Drug Programs Pharmacy Number	NCPDPProviderID	307	NCPDPProviderID
National Drug Code by Format	NDC10	240	NDC10
National Drug Code by Format	NDC11	240	NDC11
NISO Z39.53 Language Code List	NISOLanguage	457	NISOLanguage
Nature of Injury Code	NOIC	284	Not applicable. Click the application code list name for more details.
National Uniform Billing Committee Codes	Revenue	132	Revenue
National Uniform Billing Committee Codes	Occurrence	132	Occurrence
National Uniform Billing Committee Codes	OccurrenceSpan	132	OccurrenceSpan
Occupational Injury and Illness	OIICM	407	Not applicable. Click the application code list name for more details.
Patient Status Code	PatientStatus	239	PatientStatus
Place of Service Codes for Professional Claims	POS	237	POS

External Code List Name	Application Code List Name	Code List ID	Map Name to be Used
Classification of Race or Ethnicity **Note:** For Race, the different external code lists are stored in the same database in the application.	Race	859	Race
Race or Ethnicity Collection Code **Note:** For Race, the different external code lists are stored in the same database in the application.	Race	860	Race
National Council for Prescription Drug Programs Reject/Payment Codes	Reject	530	Reject
Remittance Advice Remark Codes	RemittanceRemark	411	WPCEDI841
States and Provinces	States	22	States
Society for Worldwide Interbank Financial Telecommunication	SWIFT_Addresses and SWIFT_BaseAddresses	327	◆ SWIFTFIFileToSWIFT_Addresses for SWIFT_Addresses ◆ SWIFTFIFileToSWIFT_BaseAddresses for SWIFT_BaseAddresses
Health Care Provider Taxonomy	Taxonomy	682	WPCEDI841
American Dental Association	ToothNumber	135	ToothNumber
Treatment Codes	TreatmentCodes	359	TreatmentCodes
Universal Postal Codes	UPC	932	UPC
ZIP Code	US_ZIPcode	51	US_ZIPcode
National Uniform Billing Committee Codes	Value	132	Value
Workers Compensation Specific Procedure and Supply Codes	WorkersComp	576	Not applicable. Click the application code list name for more details.

ABARouting

Source

The ABARouting conversion map uses the “RTSUBASE.TXT” table (defined in EPF.doc) available from www.accuitysolutions.com. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is positional and is formatted as follows:

Column	Data-type	Start Position	Maximum Length
MICRRoutingNumber	string	28	9
FractionalRoutingNumber	string	37	11
InstitutionName	string	48	158
ACHMICRRoutingNumber	string	1467	9

Notes

The Routing number can be sent in nine-digit format (ACHMICRRoutingNumber) or fractional format such as the format that is displayed at the top right corner of check (FractionalRoutingNumber). The ABA code list conversion map creates both formats in the code list for each institution. The (InstitutionName) field is the institution name that corresponds with the routing numbers.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

ABCCodes

Source

The ABC conversion map uses the ABC Terminology and Codes Data Files available from ABC Coding Solutions. The long description files in tab-delimited format are used. The files can be found here: http://www.abccodes.com/ali/products_services/pro_description.asp#PROD5. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is variable-length-delimited. There are two columns.

Output

Sender/Receiver ID - ABC Code

Text1 - Long Description

Notes

The fields are linked directly to **OUTPUT** fields.

AdjustmentReason

Source

The AdjustmentReason conversion map uses the Claim Adjustment Reason Codes available from Washington Publishing Company (http://www.wpc-edi.com/content/view/695/1). For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is delimited (one data-type of string with a maximum length of 255 line per code). The only delimiter defined is the segment delimiter carriage return.

Notes

The Claim Adjustment Reason code list uses the WPCEDI841 map.

Each line has a code and a description (separated by spaces). The extended rule finds the space after the code and parses the code and description into temporary fields mapped to the Output side of the map. The lines beginning with “Note:” are ignored.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document.

AdmissionSource

Source

The AdmissionSource conversion map uses the combined comma-delimited files available from National Uniform Billing Committee (NUBC) “Admission_Source” and “Admission_Source_Newborn.” For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is Variable-Length-Delimited. Each row has two columns formatted as follows:

Column	Data-type	Maximum Length
Codes	string	255
Name	string	255

Notes

The fields are linked directly to fields on the Output side of the map.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

AdmissionType

Source

The AdmissionType conversion map uses the comma-delimited file available from NUBC "Admission_Type." For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide.*

Input

The input format is Variable-Length-Delimited. Each row has two columns formatted as follows:

Column	Data-type	Maximum Length
Code	string	255
Name	string	255

Notes

The fields are linked directly to fields on the Output side of the map.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

APC

Source

The Ambulatory Payment Classification conversion map uses the quarterly Addendum A updates available from CMS. These updates are in tab-delimited format. The updates can be found here: http://www.cms.hhs.gov/HospitalOutpatientPPS/AU/list.asp#TopOfPage. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is variable-length-delimited. There are eight columns.

Output

SENDER/RECEIVER ID - APC Group Number

TEXT1 - APC Group Title

Notes

Since some of the records leave off the last tab when the Indicates Change column is not present, a Group and TempRecord combination is used to populate the code list.

BillType1

Source

The BillType1 conversion map uses the comma-delimited file available from National Uniform Billing Committee (NUBC) “Bill_Type_1st_Digit.” For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is Variable-Length-Delimited. Each row has three columns formatted as follows:

Column	Data-type	Maximum Length
Digit	string	1
Code	string	1
Name	string	255

Notes

The fields are linked directly to fields on the Output side of the map.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

BillType2

Source

The BillType2 conversion map uses the combined comma-delimited text files available from National Uniform Billing Commitee (NUBC) “Bill_Type_2nd_Digit_1,” “Bill_Type_2nd_Digit_2,” and “Bill_Type_2nd_Digit_3.” For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is Variable-Length-Delimited. Each row has three columns formatted as follows:

Column	Data-type	Maximum Length
Digit	string	1
Code	string	1
Name	string	255

Notes

The fields are linked directly to fields on the Output side of the map.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

CanadianInstitution

Source

The CanadianInstitution conversion map uses the “INTLROUT.TXT” table (defined in Intl Rout Table Layout.doc) available from www.accuitysolutions.com. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide.*

Input

The input format is positional and formatted as follows:

Column	Data-type	Start Position	Maximum Length
Type	string	30	6
Routing	string	36	20
Suffix	string	56	15

Notes

The Canadian institutions are indicated by “TRNO” in the Type field. An extended rule filters these records and appends the suffix field (if one exists) to the routing number. (Please note that the use of a suffix, however, has mostly been abandoned and a suffix should not contain data.)

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

CDT

Source

The CDT conversion map uses the tab delimited ASCII file that is available from the American Dental Association. You will need to convert the tab-delimited file to the comma-delimited format (CSV).” For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is Variable-Length-Delimited. Each row has four columns formatted as follows:

Column	Data-type	Maximum Length
Code	string	255
Class	string	255
Nomenclature	string	255
Description	string	800

Notes

The extended rule filters out wrapped text lines by searching for the valid dental codes that begin each record (5 characters in column 1 that begin with “D”). The Code and Nomenclature information is copied to a temporary record and mapped to the Output side of the map.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

ClaimFrequency

Source

The ClaimFrequency conversion map uses the comma-delimited file available from NUBC "Bill_Type_3rd_Digit." For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is Variable-Length-Delimited. Each row has two columns formatted as follows:

Column	Data-type	Maximum Length
Code	string	1
Name	string	255

Notes

The fields are linked directly to fields on the Output side of the map.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

ClaimStatusCategory

Source

The ClaimStatusCategory conversion map uses the list available from Washington Publishing Company (http://www.wpc-edi.com/content/view/181/224). For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide.*

Input

The input format is delimited (one data-type of string with a maximum length of 255 line per code). The only delimiter defined is the segment delimiter carriage return.

Notes

The Claim Status Category code list uses the WPCEDI841 map.

Each line has a Code and Description, or a Note. The extended rule contains logic to parse the Code and Description into temporary fields linked to fields on the Output side of the map. There is additional logic to filter the Note lines to a temporary Note field, and to map it to the Code/Description occurrence of the previous line.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

ClaimStatus

Source

The ClaimStatus conversion map uses the list available from Washington Publishing Company (http://www.wpc-edi.com/content/view/181/224). For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide.*

Input

The input format is delimited (one data-type of string with a maximum length of 255 line per code). The only delimiter defined is the segment delimiter carriage return.

Notes

The Claim Status Code code list uses the WPCEDI841 map.

Each line has a Code and Description, or a Note. The extended rule contains logic to parse the Code and Description into temporary fields linked to fields on the Output side of the map. There is additional logic to filter the Note lines to a temporary Note field, and to map it to the Code/Description occurrence of the previous line.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

CMMSNProviderID

Source

The CMMSNProviderID conversion map uses the NPPES Data Dissemination which is a periodic snapshot of the NPI Registry. This file is in CSV format. A description of all the fields in the list can be found here: http://www.cms.hhs.gov/NationalProvIdentStand/06a_DataDissemination.asp. The complete list of NPI files can be found here: http://nppesdata.cms.hhs.gov/cms_NPI_files.html. There is no map for the **Centers for Medicare and Medicaid Services Plan ID**, because it uses the same database as the CMMSNProviderID. PlanIDs are treated as NPIs and stored in NPPES as such. They are part of the NPI code list. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*. For more information about these code lists, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide.*

Input

The input format is variable-length-delimited.

Output

SENDER/RECEIVER ID - NPI Number

TEXT1 - The Organization Name represented by the NPI Number

Notes

The fields are linked directly to OUTPUT fields.

Condition

Source

The Condition conversion map uses the comma-delimited file available from NUBC “Condition_Codes.” For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is Variable-Length-Delimited. Each row has two columns formatted as follows:

Column	Data-type	Maximum Length
Code	string	255
Name	string	255

Notes

The fields are linked directly to fields on the Output side of the map.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

Countries

Source

The Countries conversion map uses the ISO3166 available from ISO (www.iso.org/iso/en/prods-services/iso3166ma/02iso-3166-code-lists/list-en1.html). For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is Variable-Length-Delimited. The only delimiter defined is the segment delimiter carriage return. The lines alternate between Description (data-type of string with a maximum length of 255) and Code (data-type of string with a maximum length of 2).

Notes

Each line of description is followed by a line with a code. The fields are mapped directly to fields on the Output side of the map.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

CPT

Source

The Current Procedural Terminology (CPT) conversion map uses the CPT Data Files available from CMS. The Long Description files in tab-delimited format are used. The files can be found here: http://www.ama-assn.org/ama/pub/physician-resources/solutions-managing-your-practice/coding-billing-insurance/cpt.shtml. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is variable-length-delimited. There are two columns.

Output

SENDER/RECEIVER ID - CPT Code

TEXT1 - Long Description

Notes

The fields are linked directly to Output fields.

Currencies

Source

The Currencies conversion map uses the ISO currencies codelist available from ISO (www.iso.org/iso/en/prods-services/popstds/currencycodeslist.html). For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is Variable-Length-Delimited. Each row has four columns formatted as follows:

Column	Data-type	Maximum Length
Entity	string	255
Currency	string	255
AlphaCode	string	255
NumericCode	string	255

Notes

The extended rule sorts both the AlphaCodes and NumericCodes (when provided) with Currency to temporary records and maps them to fields on the Output side of the map.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

DateTime

No map exists for this code list. This standard does not have a separate code list. You can obtain this standard in PDF format or hard copy. The codes can be manually entered through the code list user interface. For more information about obtaining this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

DFI

No map exists for this code list. This is really three code lists that are used separately: *ABARouting* on page 18, *CanadianInstitution* on page 26, and *SWIFT_Addresses and SWIFT_BaseAddresses* on page 77. The codes can be manually entered through the code list user interface. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

DMERCCMN

No map exists for this code list. The forms are in PDF format. The codes can be manually entered through the code list user interface. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

DOD1Rank

No map exists for this code list. All DOD codes have been moved to PDF files. The codes can be manually entered through the code list user interface. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

DOD2Paygrade

No map exists for this code list. All DOD codes have been moved to PDF files. The codes can be manually entered through the code list user interface. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

DODEligibility

No map exists for this code list. All DOD codes have been moved to PDF files. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

DRG

Source

The DRG conversion map uses the text file from ICD9V19.zip available from CMS http://www.cms.hhs.gov. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is positional and is formatted as follows:

Column	Data-type	Start Position	Maximum Length
Code	string	1	4
Description	string	5	80

Notes

The codes are listed as three-character codes but they can be sent with varying numbers of leading zeros. The extended rule prepends zeros to the beginning of the codes to make them four-character codes, and the same logic is applied in the validation maps.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

DUNS

Source

The DUNS conversion map uses the prospect lists available from D&B's zapdata.com service. These lists are in CSV format. A description of all the fields in the list can be found here: http://www2.zapdata.com/zl/samplereport/index.htm. A sample can be found here: http://www2.zapdata.com/zl/samplereport/samplecsv1.htm. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is variable-length-delimited. There are 103 columns.

Output

SENDER/RECEIVER ID - DUNS Number

TEXT1 - The Business Name represented by the DUNS Number

Notes

The fields are linked directly to Output fields.

FIPS55

Source

The FIPS55 conversion map uses the “All_FIPS55.txt” file (in All_fips55.zip) available from Geographic Names Information System (GNIS), developed by the USGS (http://gnis.usgs.gov/domestic/download_data.htm). This is a very large file and may take a long time to process/view. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is positional and is formatted as follows:

Column	Data-type	Start Position	Maximum Length
FIPSLocation	string	1	7
Description	string	16	52

Notes

The fields are directly linked to fields on the Output side of the map.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

FormTypeCodes

Source

The FormTypeCodes conversion map uses the code lists found in the ACORD RLC & DRI Schematrons. The codes lists are in XSD format. The ACORD RLC & DRI Schematrons can be found here: http://www.acord.org. The XSD used from this pack is: AcordMsgSvcCodeLists_1.5.0.xsd. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is an XSD.

Output

SENDER/RECEIVER ID - document type codes

Notes

The fields are linked directly to OUTPUT fields.

GBLOC

No map exists for this code list. This is referenced in the *HIPAA implementation guide*, but is not used in the validation maps. The codes can be manually entered through the code list user interface. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

H1N

Source

The HIN conversion map uses the format outlined in Distribution File Layout Tab Delimited.doc, which is available from HIBCC. The file can be purchased from HIBCC (www.hibcc.org/HIN/HHApp.pdf.). For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is positional and is formatted as follows:

Column	Data-type	Start Position	Maximum Length
BaseHIN	string	3	9
Name	string	12	35

Notes

The fields are linked directly to fields on the Output side of the map.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

HCPCSCPT

Source

The HCPCSCPT conversion map input format is the combined text files for HCPCS codes and CPT codes.

The HCPCS codes are available from CMS (www.cms.hhs.gov/providers/pufdownload/anhcpcdl.asp) from the file 05anweb.txt (within anhcpc05[1].zip - 2005 Alpha-Numeric HCPCS File link) .

The CPT codes are available for purchase from AMA (https://catalog.ama-assn.org/Catalog/product/product_list.jsp?_requestid=240142&page=rightnav) - the Note has a link to the layout). For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is positional and is formatted as follows:

Column	Data-type	Start Position	Maximum Length
Code	string	1	5
Description	string	5	255

Notes

The extended rule maps the Code and Description to temporary fields mapped to the Output side of the map. There is logic to connect runover description lines in the input by comparing the current Code against the previous Code. If the two Codes match, it is a continuation of the description for the previous line and is therefore the rest of the description is appended to the last temporary field iteration. If the Codes do not match, the translator begins a new code pair in the temporary fields.

There is also logic to parse Description based on the format of the Code/Description positions. If there is not a space after the Code, the information preceding the Description is stripped.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

HIEC

Source

The HIEC conversion map uses the codes listed in codestdv10501a.pdf p110 available from (www.nhianet.org/hiec_issues.htm). There is not a parsable electronic format for the codes, so you need to select columns (without table information), paste them into a spreadsheet, and save them as a .csv file. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is Variable-Length-Delimited. Each row has one string field (maximum length 10) containing the code.

Notes

The extended rule trims any footnote characters from the codes, and maps only the valid five-character codes.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

HIPPS

Source

The HIPPS conversion map uses the HIPPSext.xls file (within the hippsext.zip - link HIPPS Code Master List (saved as .csv)) available from CMS (www.cms.hhs.gov). For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide.*

Input

The input format is Variable-Length-Delimited. Each row has five columns formatted as follows:

Column	Data-type	Maximum Length
Code	string	5
EffectiveDate	string	10
ThroughDate	string	10
PaymentSystem	string	255
Description	string	255

Notes

The Code and Description fields are directly linked to fields on the Output side of the map.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

ICD9

Source

The ICD9 conversion map uses the combined files for diagnostic and surgical codes v22icd9_file1.txt and v22icd9_file2.txt (within v22_icd9[1].zip) available from CMS (www.cms.hhs.gov). For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is positional and is formatted as follows:

Column	Data-type	Start Position	Maximum Length
Code	string	1	5
Description	string	6	255

Notes

The fields are linked directly to fields on the Output side of the map. There is logic on the fields to trim excess “white space,” if necessary.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

ICD10CM

Source

*The ICD10CM conversion map uses the General Equivalence Mapping Files from the CDC. The files can be found here: http://www.cdc.gov/.

Input

The input format is positional and formatted as below:

Column	Data-type	Start Position	Maximum Length
Code	string	1	5
Description	string	6	255

Notes

The fields are linked directly to the OUTPUT fields. There is logic on the fields to trim excess whitespace if necessary. The TempLink in the LinkingRecord group is an empty temporary field that enables the constant rules in the SI_RESOURCES schema.

ICD10PCS

Source

The ICD10PCS conversion map uses the General Equivalence Mapping Files from CMMS. The files can be found here: http://www.cms.hhs.gov. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is positional and formatted as below:

Column	Data-type	Start Position	Maximum Length
Code	string	1	7
Description	string	8	255

Notes

The fields are linked directly to the OUTPUT fields. There is logic on the fields to trim excess whitespace if necessary. The TempLink in the LinkingRecord group is an empty temporary field that enables the constant rules in the SI_RESOURCES schema.

ISO3166

No map exists for this code list, because there is no CSV or tab-delimited list that has been extracted from the ISO 3166-2 database. The codes can be manually entered through the code list user interface. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide.*

ISO639

Source

The ISO639 conversion map uses the ISO639 list available from ISO (http://www.loc.gov/standards/iso639-2). For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is Variable-Length-Delimited and there are no tags. The element delimiter is | and the segment delimiter is carriage return. Each row has five columns formatted as follows:

Column	Data-type	Maximum Length
Alpha3	string	3
Alpha3Alternate	string	3
Alpha2	string	2
EnglishDescription	string	255
FrenchDescription	string	255

Notes

Each record can have an alphanumeric three-character code, an alternate alphanumeric three-character code, and an alphanumeric two-character code. The extended rule logic maps each code to a new Code/Description pair in the temporary record, and the temporary fields are then mapped to fields on the Output side of the map.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

LOINC

Source

The LOINC conversion map uses the Loincdb.txt file (within LOINCtab.zip saved as .csv with notes clipped off) available from the Regenstrief Institute (www.regenstrief.org/loinc/license/). For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is Variable-Length-Delimited (all fields are data-type string with a maximum length of 255). Each row has 60 columns, as follows:

LOINC_NUM
COMPONENT
PROPERTY
TIME_ASPCT
SYSTEM
SCALE_TYP
METHOD_TYP
RELAT_NMS
CLASS
SOURCE
EUCLIDE_CD
ASTM_CD
IUPAC_CD
DT_LAST_CH
CHNG_REAS
CHNG_TYPE
COMMENTS
ANSWERLIST
STATUS,
MAP_TO
SCOPE
SNOWMED_CD
VA_CD

METPATH_CD
HCFA_CD
CDC_CD
NORM_RANGE
EX_US_UNITS
IPCC_UNITS
GPI_CD
REFERENCE
EXACT_CMP_SY
MOLAR_MASS
IUPC_ANLT_CD
CLASSTYPE
FORMULA
MULTUM_CD
DEEDS_CD
CSCQ_FRNCH_NM
CSCQ_GRMN_NM
SPNSH_NM
CSCQ_ITLN_NM
SPECIES
EXMPL_ANSWERS
ACSSYM
MOLEID
BASE_NAME
FINAL
GENE_ID
NAACCR_ID
CODE_TABLE,
SetRoot
PanelElements
SURVEY_QUEST_TEXT
SURVEY_QUEST_SRC
UnitsRequired
SUBMITTED_UNITS

RelatedNames2

SHORTNAME

ORDER_OBS

CDISC_COMMON_TESTS

Notes

The LOINC_NUM and COMPONENT fields are mapped directly to fields on the Output side of the map. The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

NAIC

Source

The NAIC conversion map uses the NAIC codelist available from NAIC. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is Variable-Length-Delimited. Each row has six columns formatted as follows:

Column	Data-type	Minimum Length	Maximum Length
CompanyCode	integer	0	5
GroupCode	integer	0	5
FeinNumber	string		11
CompanyStatus	string		1
StatofDomicile	string		2
CompanyName	string		36

Notes

The CompanyCode and CompanyName fields are mapped directly to fields on the Output side of the map.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

NCPDPProviderID

Source

The NCPDPProviderID conversion map uses the Provider File (Processor Set) Provided by NCPDP (use layout available from http://www.ncpdp.org). For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is positional and is formatted as follows:

Column	Data-type	Start Position	Maximum Length
HeaderTrailer Record (tag 1-7) = "9999999"			
NCPDP	string	1	7
FileID	string	9	1
RecordID	string	11	1
DateCreated	string	13	8
NumberofRecord	string	22	6
Copyright	string	29	100
Filler	string	130	342
Data Record (no tag)			
ProviderID	string	1	3
Name	string	9	35
FillerFields	string	45	427

Notes

The file begins with a Header record and ends with an identical Trailer record, as defined above. The fields from the data record are directly mapped to fields on the Output side of the map.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

NDC10

Source

The NDC10 conversion map uses the NDC database containing the NDC_LISTINGS and NDC_PACKAGES tables. (See NDC_LISTINGSReadme.txt and NDC_PACKAGESReadme.txt files). For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The NDC10 conversion map does not use an input file since the input comes from the database.

Notes

You must run both the NDC_LISTINGS and NDC_PACKAGES Conversion maps to update the database tables before the NDC10 or the NDC11 Conversion maps are used to create the ten-character and eleven-character formatted NDC code lists, respectively.

The NDCQuery is an Inner Join on LBLCODE (the field that cross-references the NDC_LISTINGS and NDC_PACKAGES tables) and selects LBLCODE, PRODCODE, PKGCODE, and TRADENAME from the tables into the Result Set. The extended rule logic concatenates LBLCODE + PRODCODE + PKGCODE to form the ten-character NDC code in the temporary field (formatted as 4-4-2, 5-3-2, or 5-4-1), which is mapped to a field on the Output side of the map. The TRADENAME is the description mapped directly to a field on the Output side of the map.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

NDC Listings

Input

The input format is positional and is formatted as follows:

Column	Data-type	Start Position	Maximum Length
LISTING_SEQ_NO	string	1	10
LBLCODE	string	11	6
PRODCODE	string	17	4
STRENGTH	string	21	10

UNIT	string	31	10
RX_OTC	string	41	1
DOSAGE_FORM	string	42	25
FIRM_SEQ_NO	string	67	7
TRADENAME	string	74	100

Notes

The LISTINGS fields are mapped to a SQL format. The DeleteQuery clears the table, and the NDC_LISTINGS SQL operation updates the NDC_LISTINGS table in the NDC database.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

NDC Packages

Input

The input format is positional and is formatted as follows:

Column	Data-type	Start Position	Maximum Length
LISTING_SEQ_NO	string	1	10
PKGCODE	string	11	2
PACKSIZE	string	13	25
PACKTYPE	string	38	5

Notes

You must run both the NDC_LISTINGS and NDC_PACKAGES Conversion maps to update the database tables before the NDC10 or the NDC11 Conversion maps are used to create the ten-character and eleven-character formatted NDC code lists, respectively.

The PACKAGES fields are mapped to a SQL format. The DeleteQuery clears the table, and the NDC_PACKAGES SQL operation updates the NDC_PACKAGES table in the NDC database.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

NDC11

Source

The NDC11 conversion map uses the NDC database containing the NDC_LISTINGS and NDC_PACKAGES tables. (See NDC_LISTINGSReadme.txt and NDC_PACKAGESReadme.txt files). For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The NDC11 conversion map does not use an input file since the input comes from the database.

Notes

You must run both the NDC_LISTINGS and NDC_PACKAGES Conversion maps to update the database tables before the NDC10 or the NDC11 Conversion maps are used to create the ten-character and eleven-character formatted NDC code lists, respectively.

The NDCQuery is an Inner Join on LBLCODE (the field that cross-references the NDC_LISTINGS and NDC_PACKAGES tables) and selects the LBLCODE, PRODCODE, PKGCODE, and TRADENAME from the tables into the Result Set. The extended rule logic prepends a zero “0” to the LBLCODE if it is < 5 characters, the PRODCODE if it is < 3 characters, or the PKGCODE if it is < 2 characters. The extended rule concatenates the LBLCODE + PRODCODE + PKGCODE to form the 11 character (5-4-2 formatted) NDC code in the temporary field which is mapped to the OUTPUT field. The TRADENAME is the description mapped directly to the OUTPUT.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

NDC Listings

Input

The input format is positional and is formatted as follows:

Column	Data-type	Start Position	Maximum Length
LISTING_SEQ_NO	string	1	10
LBLCODE	string	11	6
PRODCODE	string	17	4
STRENGTH	string	21	10

UNIT	string	31	10
RX_OTC	string	41	1
DOSAGE_FORM	string	42	25
FIRM_SEQ_NO	string	67	7
TRADENAME	string	74	100

Notes

The LISTINGS fields are mapped to a SQL format. The DeleteQuery clears the table, and the NDC_LISTINGS SQL operation updates the NDC_LISTINGS table in the NDC database.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

NDC Packages

Input

The input format is positional and is formatted as follows:

Column	Data-type	Start Position	Maximum Length
LISTING_SEQ_NO	string	1	10
PKGCODE	string	11	2
PACKSIZE	string	13	25
PACKTYPE	string	38	5

Notes

You must run both the NDC_LISTINGS and NDC_PACKAGES Conversion maps to update the database tables before the NDC10 or the NDC11 Conversion maps are used to create the ten-character and eleven-character formatted NDC code lists, respectively.

The PACKAGES fields are mapped to a SQL format. The DeleteQuery clears the table, and the NDC_PACKAGES SQL operation updates the NDC_PACKAGES table in the NDC database.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

NISOLanguage

Source

The NISOLanguage conversion map uses the information on page 13 of the Z39-53.pdf available in the http://www.niso.org/kst/reports/standards/ page. Save each column and append to the last column to create a text file. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is positional and is formatted as follows:

Column	Data-type	Start Position	Maximum Length
Data	string	1	255

Notes

The map reads the all the data as one line to filter runover description lines. The logic parses the Code and the Description to the temporary fields which are mapped to fields on the Output side of the map.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

NOIC

No map exists for this code list. These codes are found in table 8 of the *Call for Detailed Claim Information (DCI) Instruction Manual*. The codes can be manually entered through the code list user interface. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Occurrence

Source

The Occurrence conversion map uses the comma-delimited file “Occurrence” available from NUBC. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is Variable-Length-Delimited. Each row has two columns formatted as follows:

Column	Data-type	Maximum Length
Code	string	255
Name	string	255

Notes

The fields are linked directly to fields on the Output side of the map.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

OccurrenceSpan

Source

The OccurrenceSpan conversion map uses the comma-delimited file “Occurrence_Span” available from NUBC. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide.*

Input

The input format is Variable-Length-Delimited. Each row has two columns formatted as follows:

Column	Data-type	Maximum Length
Code	string	255
Name	string	255

Notes

The fields are linked directly to fields on the Output side of the map.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

OIICM

No map exists for this code list. These codes are found in the Alphabetical Indices at the end of the *Occupational Injury and Illness Classification Manual*. The codes can be manually entered through the code list user interface. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

PatientStatus

Source

The PatientStatus conversion map uses the comma-delimited file “Patient_Status” available from NUBC. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is Variable-Length-Delimited. Each row has two columns formatted as follows:

Column	Data-type	Maximum Length
Code	string	255
Name	string	255

Notes

The fields are linked directly to fields on the Output side of the map.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

POS

Source

The POS conversion map uses the codelist available from CMS (www.cms.hhs.gov/). For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is Variable-Length-Delimited. Each row has three columns formatted as follows:

Column	Data-type	Maximum Length
Code	string	50
Name	string	100
Description	string	650

Notes

The extended rule logic filters out the records in which the Name field is “Unassigned,” and maps the remaining Code and Name data for the remaining records to the temporary fields. The temporary fields are then mapped to fields on the Output side of the map.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

Race

Source

The Race conversion map uses the CDC Race & Ethnicity Code Sets. The files are in Excel format and will need to be converted to CSV format. The files can be found here: http://www.cdc.gov/nedss/datamodels/CDC%20Race%20and%20Ethnicity%20Code%20Sets%20Version%201.0%20in%20Excel%20Spread%20Sheet.XLS. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide.*

Input

The input format is CSV. There are 6 columns.

Output

SENDER ID - Unique Identifier

RECEIVER ID - Hierarchical Code

TEXT1 - Concept

Notes

The fields are linked directly to OUTPUT fields.

Reject

Source

The Reject conversion map uses the NCPDP Data Dictionary p.95 “Appendix F Version 5.0 Reject Codes for Telecommunication Standard” (Manually column select and copy to text file - manually fixing runover descriptions is recommended). For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is positional and is formatted as follows:

Column	Data-type	Start Position	Maximum Length
Code	string	1	3
Description	string	4	255

Notes

The extended rule logic copies the Code and Descriptions to temporary fields which are mapped to fields on the Output side of the map. If a line is a runover from a previous description, it is appended to the description from the last line. The Code field contains logic to strip asterisks from codes, if necessary.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

RemittanceRemark

Source

The WPCEDI841 conversion map uses the 841 transaction set data for Remittance Advice, Taxonomy, Claim Adjustment Reason, Claim Status Codes, or Claim Status Category Codes available for purchase from Washington Publishing Company (www.wpc-edi.com/content/view/473/351/). For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is a Variable-Length-Delimited ASC X12 4010 841 transaction. The 1000_SPI SPI05 element should contain **RemittanceRemark** to indicate the which code list will be sent.

Notes

The Remittance Remark code list uses the WPCEDI841 map. To determine the List Name that matches the code list setting of the HIPAA validation map, the SPI 0791:2 Entity Purpose element contains logic to check for substring cases. Substring cases are copied to a temporary field to be mapped to the LIST_NAME on the Output side of the map. The Code and Description are mapped directly to fields on the Output side of the map.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

Revenue

Source

The Revenue conversion map uses the combined (and sorted) comma-delimited files available from NUBC "RevCode_Major_Categories" and "RevCode_Subcategories." For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide.*

Input

The input format is Variable-Length-Delimited. Each row has four columns formatted as follows:

Column	Data-type	Maximum Length
Code	string	4
Name	string	255
Subcategory	string	1
SubcategoryName	string	255

Notes

The extended rule logic creates a new temporary field for each Code/Name pair. If the Code matches the value from the previous line, it creates another Code/Name pair occurrence which replaces the "X" with the subcategory digit.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

States

Source

The States conversion map uses the list available from USPS (www.usps.com/ncsc/lookups/usps_abbreviations.html - Manually append Outlying areas and Canadian Provinces to states). Each line is terminated with a carriage return. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is Abbreviation (data-type of string with a maximum length of two) followed by a carriage return, and State (data-type of string with a maximum length of 255) followed by carriage return.

Notes

The fields are directly mapped to fields on the Output side of the map.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

SWIFT_Addresses and SWIFT_BaseAddresses

Source

The FI input file is located in the BIC directory of the SWIFTNet release disc. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is variable-length-delimited. There are 19 columns.

Output

SWIFT_Addresses

SENDER ID / RECEIVER ID - 11-digit BIC code

DESCRIPTION – Institution Name

TEXT1 – Subtype Indication

SWIFT_BaseAddresses

SENDER ID / RECEIVER ID - 8-digit BIC code

DESCRIPTION – Institution Name

Notes

For more details on the SWIFT code lists, see the “Maintaining the External Code Lists” section in the SWIFTNet documentation.

Taxonomy

Source

The WPCEDI841 conversion map uses the 841 transaction set data for Remittance Advice, Taxonomy, Claim Adjustment Reason, Claim Status Codes, or Claim Status Category Codes available for purchase from Washington Publishing Company (www.wpc-edi.com/content/view/473/351/). For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is a delimited ASC X12 4010 841 transaction. The 1000_SPI SPI05 element should contain **Taxonomy** to indicate the code list that will be sent.

Notes

The Taxonomy code list uses the WPCEDI841 map.

To determine the List Name that matches the code list settings for the HIPAA validation maps, the SPI 0791:2 Entity Purpose element contains logic to check for substring cases. These substring cases are copied to a temporary field which is then mapped to the LIST_NAME on the Output side of the map. The Code and Description are mapped directly to fields on the Output side of the map.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

ToothNumber

Source

The ToothNumber conversion map uses the comma-delimited file available from ADA (www.ada.org/public/topics/tooth_number.asp (save as .csv)). For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is Variable-Length-Delimited. Each row has two columns formatted as follows:

Column	Data-type	Maximum Length
Code	string	5
Description	string	255

Notes

The fields are linked directly to fields on the Output side of the map.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

TreatmentCodes

Source

The TreatmentCodes conversion map uses the comma-delimited file available from NUBC "Bill_Type_3rd_Digit". For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is Variable-Length-Delimited. Each row has two columns formatted as follows:

Column	Data-type	Maximum Length
Code	string	4
Name	string	255

Notes

The fields are linked directly to fields on the Output side of the map.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

UPC

Source

The Universal Postal Code conversion map uses Universal POST*CODE® DataBase. The database files are in tab-delimited format. Information about the database can be found here: http://www.upu.int/post_code/en/universal_postcode_database.shtml. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is variable-length-delimited. There are 16 columns.

Output

SENDER ID - UPC

RECEIVER_ID - Locality ID

TEXT1 - Province Name

TEXT2 - Name of locality

TEXT3 - Province ID

Notes

Fields without diacritics are used.

US_ZIPcode

Source

The US_Zipcode conversion map uses the ZIP + 4® Product file available from the USPS. The file is in positional format. Information about the product file can be found here: http://www.usps.com/ncsc/addressinfo/zip4.htm. A sample can be found here: http://ribbs.usps.gov/files/addressing/SAMPLES/ZIP4-sam.txt. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is positional. There are 30 columns in the detail record.

Output

SENDER/RECEIVER ID - ZIP and ZIP+4 Code calculated using the low end of the plus 4 range

TEXT1 - Street Name

TEXT2 - Street Suffix

TEXT3 - Address Number (Low)

TEXT4 - Address Secondary Number (Low)

TEXT5 - ZIP Code

TEXT6 - +4 Low End of the Range

TEXT7 - +4 High End of the Range

TEXT8 - Two Digit State Code

TEXT9 - County Number

Notes

The fields are linked directly to the output fields. If the Low and High end numbers are different they indicate the range of valid numbers for that record's address.

Value

Source

The Value conversion map uses the comma-delimited file available from NUBC “Value_Codes.” For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

Input

The input format is Variable-Length-Delimited. Each row has two columns formatted as follows:

Column	Data-type	Maximum Length
Code	string	4
Name	string	255

Notes

The fields are linked directly to fields on the Output side of the map.

The TempLink in the LinkingRecord group is present to ensure that the extended rules (on the Output side of the map) which are responsible for writing out the schema namespaces and the application version attributes for the SI_RESOURCES document element are executed.

WorkersComp

No map exists for this code list. The implementation guide is only available as a hard copy or PDF. The codes can be manually entered through the code list user interface. For more information about this code list, see the *External Code Source section of Washington Publishing HIPAA 005010 Implementation Guide*.

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