Sterling Standards Library

Using HIPAA

Version 5.3

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 (A1) Transactions Supported for HIPAA

The application supports the addenda (A1) versions of the industry-standard ANSI X12 transactions for HIPAA. These transactions are listed below.

Transaction	Version
270	004010X092A1
271	004010X092A1
276	004010X093A1
277	004010X093A1
278	004010X094A1
820	004010X061A1
834	004010X095A1
835	004010X091A1
837	004010X096A1 (institutional) 004010X097A1 (dental) 004010X098A1 (professional)

Additionally, the application supports the following HIPAA 5010 versions:

✦ 005010X203

✦ 005010X212

✦ 005010X217

✦ 005010X218

✦ 005010X220

✦ 005010X221

✦ 005010X222

✦ 005010X223

✦ 005010X224

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

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 8.
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 6.
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 7.
6	For the inbound and outbound document envelopes, specify the HIPAA validation level.	See *Changing the HIPAA Validation Level in Envelope Properties* on page 7.

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. To specify HIPAA, select the **HIPAA Transaction** check box and click **Next**.

5. Select the ODBC data source that contains the standards database and click **Next**.

   Note: The default data source names used by Map Editor are HIPAA Standards and Sterling Integrator 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. To specify HIPAA, select the **HIPAA Transaction** check box and click **Next**.

10. Select the ODBC data source that contains the standards database and click **Next**.

    Note: The default data source names used by Map Editor are HIPAA Standards and Sterling Integrator 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.

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).

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>**

    If your maps are supplied by Sterling Commerce, they are usually located in the **../installed_data/b2b/maps** folder. There is one map for each transaction type. Do not specify the file extension for the map name when importing a code list—just indicate the base name of the map.

    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 External Code List name.

External Code List	Application Code List Name
ABA Routing	ABARouting
Admission Source	AdmissionSource
Admission Type	AdmissionType
Bill Type 1	BillType1
Bill Type 2	BillType2
Canadian Institution	CanadianInstitution
CDT	CDT
Claim Adjustment Reason	AdjustmentReason
Claim Frequency	ClaimFrequency
Claim Status Category	ClaimStatusCategory

External Code List	Application Code List Name
Claim Status Code	ClaimStatus
Condition	Condition
Countries	Countries
Currencies	Currencies
DOD1 Military Rank	DOD1Rank
DOD2 Pay Grade	DOD1RankDOD2PayGrade
DRG	DRG
FIPS55	FIPS55
HCPCS/CPT	HCPCSCPT
Health Industry ID (HIN)	HIN
HIEC (Home Infusion)	HIEC
HIPPS	HIPPS
ICD-9-CM	ICD9
Languages (ISO639)	ISO639
LOINC	LOINC
NABP (NCPDP Provider ID)	NCPDPProviderID
NAIC	NAIC
NDC10	NDC10
NDC11	NDC11
NISO Languages	NISOLanguage
NUBC Revenue	Revenue
Occurrence	Occurrence
Occurrence Span	OccurrenceSpan
Patient Status	PatientStatus
Place of Service (POS)	POS
Reject	Reject
Remittance Remark	RemittanceRemark
States and Outlying	States
Taxonomy	Taxonomy
Tooth Number	ToothNumber
Treatment Codes	TreatmentCodes

External Code List	Application Code List Name
Value	Value

ABA Routing

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.

Admission Source

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.

Admission Type

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.

Bill Type 1

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.

Bill Type 2

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.

Canadian Institution

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

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.

Claim Adjustment Reason

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 **CR**.

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.

Claim Frequency

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.

Claim Status Category

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 **CR**.

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.

Claim Status Code

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 **CR**.

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.

Condition

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

Input

The input format is Variable-Length-Delimited. The only delimiter defined is the segment delimiter **CR**. 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.

Currencies

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.

DOD1 Military Rank

Input

The input format is positional (one line per code). Each line begins at position 1 (data-type of string with a maximum length of 80).

Notes

Each line has a code followed by description (separated by two spaces). The extended rule finds the spaces after the code and parses the code and description into temporary fields mapped to the Output side of the map (the extra descriptions are ignored by the translator).

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.

DOD2 Pay Grade

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 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.

Caution: You need to manually combine the code list generated by DOD2PayGrade with the code list generated from DOD1Rank to create the DOD1RankDOD2PayGrade code list since the field that references DOD2PayGrade also references the DOD1Rank codes.

DRG

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.

FIPS55

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.

HCPCS/CPT

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 (Home Infusion)

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.

Health Industry ID (HIN)

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.

HIPPS

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.

ICD-9-CM

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.

Languages (ISO639)

Input

The input format is Variable-Length-Delimited and there are no tags. The element delimiter is | and the segment delimiter is **CR**. 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

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

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.

NABP (NCPDP Provider ID)

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

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

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.

NISO Languages

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.

NUBC Revenue

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.

Occurrence

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.

Occurrence Span

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.

Patient Status

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.

Place of Service (POS)

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.

Reject

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.

Remittance Remark

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.

States and Outlying

Input

The input format is Abbreviation (data-type of string with a maximum length of 2) followed by **CR**, and State (data-type of string with a maximum length of 255) followed by **CR**.

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.

Taxonomy

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.

Tooth Number

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.

Treatment Codes

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.

Value

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.

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