

TEIS INTERFACES

The Technical Electronic Implementation Subcommittees (TEIS) of the Retail Electric and Retail Gas quadrants have several key deliverables with respect to Quadrant business process books.

In the Business Practices and Processes tab:

- The cross-reference to QEDM and Internet ET Related standards. Note that any technical standards will be included in the QEDM and Internet ET related standards, and no longer in the 'Related Standards' tab one level higher.

Inside each transaction standard (e.g. 1.4.1 Nomination):

- Collaboration with business subcommittees on the Technical Implementation of the Business Process (TIBP)
- Collaboration with business subcommittees on the Sample Paper Transaction
- Collaboration with business subcommittees on the Data Dictionary
- The Code Values Dictionary

Inside each transaction standard's EDI/FF tab:

- Data Element Cross Reference
- Sample X12 Transaction
- X12 Mapping Guidelines
- Transaction Set Tables

This document details the optimal interface between the business subcommittees and the TEIS subcommittees to achieve these goals in a timely manner.

CROSS-REFERENCE TO QEDM AND INTERNET ET RELATED STANDARDS

Led by TEIS

TEIS will lead the effort to cross-reference standards from the Internet ET and QEDM standards. These standards will no longer appear in the higher-level 'Related Standards' tab since this is redundant for technical related standards.

Completed after transaction sub-tabs are completed

Since the transaction sub-tab's may dictate related standards, this work will be done after the each transaction sub-tab is completed.

TECHNICAL IMPLEMENTATION OF BUSINESS PROCESS

(TIBP)

Led by business subcommittee

TEIS will look to the business subcommittees for the initial draft of this document.

Collaboration

TEIS will provide input to the TIBP, but completion of this section remains the responsibility of the business subcommittees.

Process

1. [Receive TIBP draft from business subcommittee owner](#)
2. [Review in RXQ TEIS meeting](#)
3. [Draft changes and approve in RXQ TEIS meeting](#)
4. [Submit to business subcommittee owner](#)

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SAMPLE PAPER TRANSACTION

Led by business subcommittee

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TEIS will look to the business subcommittees for the initial draft of this document.

Collaboration

TEIS will provide input to the sample paper transaction, but completion of this section remains the responsibility of the business subcommittees.

Process

1. Receive SPT draft from business subcommittee owner
2. Review in RXQ TEIS meeting
3. Draft changes and approve in RXQ TEIS meeting
4. Submit to business subcommittee owner

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DATA DICTIONARY

Led by business subcommittee

TEIS will look to the business subcommittees for the initial draft of this document, and for finalization of this section.

Collaboration

TEIS will provide input to the data dictionary, but completion of this section remains the responsibility of the business subcommittees.

Required Information

The TEIS needs the following data dictionary information to complete its deliverables:

- The business name and abbreviation for each data element
- The definition of each data element
- The data group of each data element. The data group defines a group of data elements that are related to each other. For example, charge quantity and charge rate on an invoice would be in the same data group. The data group may also reflect a 'looping' relationship, where a group of data elements repeats in a transaction.
- The Usage of the data element, from the following list of usage codes:
 - o M = Mandatory; must be used
 - o C = Conditional; mandatory when
 - A) Defined conditions are met within the transaction, triggered by the conditional data element's relationship to another data element within the current data dictionary. For example, ??

OR

B) Defined conditions are met within the business process life-cycle. For example, ??

- o BC = Business Conditional; mandatory based on acceptable differences in business practices documented in NAESB standards. For example, 'ESP Account Number' is BC, with condition 'Sent by the ESP in the Enrollment'. BC practices must be communicated to trading partners during setup.
- o MA = Mutually-agreed; used when both sending and receiving party agree on use
- o SO = Sender's option; used at sender's discretion (e.g. Supplier account number in enrollment)
- o NU = Not used; when multiple scenarios are shown for a given transaction
- Narrative of the conditions of usage for the data element if either C or BC.
- Narrative of the list of acceptable flavors if a finite list is expected. (e.g. 'Dual', 'Utility', or 'Supplier' for Party calculating charges/bill on an Invoice). Note

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that TEIS will define the actual Code Values.

Once the transaction sub-tab is complete, TEIS will [complete the remaining elements of the transaction specifications in collaboration with the business subcommittees, including](#) cross reference to the Code Values Dictionary for any elements that have a Code Values table.

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CODE VALUES DICTIONARY

Led by TEIS

TEIS will lead this effort, including responsibility for completion.

Collaboration with business subcommittees

TEIS will look to the business subcommittees for direction with respect to acceptable flavors for the data element. For example in the Invoice, TEIS would like to receive the 'party calculating charges' data element as 'Dual', 'Utility', or 'Supplier', rather than any well-known or popular codes (e.g. DUAL, LDC, ESP).

Where actual codes are required by a business subcommittee, TEIS will look for Quadrant EC approval.

Reference existing body of work and industry/regional standards

TEIS will define the actual Code Values by researching existing bodies of work in the energy industry, in transaction standards (e.g. X12), and other locations.

Since debate is expected and there is no TEIS subcommittee voting structure, Code value dictionaries that do not achieve TEIS consensus will be forwarded to the business process subcommittee from where it originated, or the EC for disposition.

TRANSACTION SUBTABS

Transaction Format Priority

TEIS will look to each Quadrant's EC to define the priority for transaction formats (ie X12, Flat-files, XML).

DATA ELEMENT CROSS REFERENCE

Led by TEIS

TEIS will lead this effort, including responsibility for completion.

SAMPLE ELECTRONIC TRANSACTION

Led by TEIS

TEIS will lead this effort, including responsibility for completion.

May be X12, FF, XML, etc

MAPPING GUIDELINES

Led by TEIS

TEIS will lead this effort, including responsibility for completion.

May be X12, FF, XML, etc

TRANSACTION SET TABLES

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TEIS Transaction Development Worksheet

TEIS has developed a worksheet to initiate, develop and track progress of transactions. The worksheet has the following components:

- Metadata tab: This worksheet has information about the transaction, including the transaction name, what book it will be in, what quadrants use it, what flavors it has (e.g. rate ready versus bill ready), and what standard formats will be developed (e.g. X12, FF, XML, Web, etc). This tab also has the change history.
- Data Dictionary Tab: This tab has a row for each data element of the transaction. See 'Data Dictionary' above.
- Code Values Tab: This tab has a row for each data element flavor. For example:

<u>Data Element</u>	<u>Code Value</u>	<u>Code Value Flavor From Data Dictionary</u>	<u>Code Value Definition</u>
<u>Billing Option</u>		<u>Utility Consolidated</u>	
<u>Billing Option</u>		<u>Supplier Consolidated</u>	
<u>Billing Option</u>		<u>Dual</u>	

For each transaction format developed (e.g. X12, XML, etc), the following tabs will exist:

- [format] Cross Reference (xRef): This tab details the list of data segments cross-referenced to an existing standard (e.g. X12)
- [format] Sample: This tab is a sample of the proposed transaction
- [format] Tables: This tab details any supporting code tables used by the transaction for that format.

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