

## EII Standards Language Adopted December 17, 1998

Revision	#	Language
<b>REVISIONS TO EXISTING STANDARDS</b>		
4.2.7		"Navigational Area" is the term used to describe the area on the left side of the browser display providing links to the Content Area and other navigational links. Navigational Area is not required to be displayed on Customer Activities Web pages where data entry, reporting or inquiry are displayed.
4.2.8		"Content Area" is the term used to describe the area directly to the right of the Navigational Area of the browser display. When the Navigational Area is not displayed the entire browser display is content area.
4.3.2		On time stamping, data leaves control of the originator by the same time (deadline), regardless of mechanism (3rd party service provider time stamp is acceptable) and 15 minutes of communication time should be available to allow accumulation of all transactions to the pipeline. A standard network protocol (TCP/IP) should be in service for direct connect to the pipeline designated site by 4/1/97.
4.3.34		Columns and data fields that would contain data not supported by the Transportation Service Provider should be eliminated on display and/or entry, and left empty on download.
4.3.8		The minimum acceptable protocol should be HTTP. All sending and receiving parties should be capable of sending and receiving using HTTP.
<b>NEW DEFINITIONS</b>		
d1		"Standard Client Configuration" is the term used to describe the configuration that allows simultaneous access to multiple industry Web sites.
d2		"Customer Activities" is the term used to refer to the business function categories relating to Nominations, Flowing Gas, Invoicing, Capacity Release, Contracts and other business functions on industry Web sites.
d3		"GISB EDI/EDM" is the term used to describe ANSI ASC X12 computer-to-computer electronic data interchange of information in files as mapped from the x.4.z GISB standards in the GISB Implementation Guides and communicated between trading partners over the Internet using the GISB Electronic Delivery Mechanism.
d4		"GISB FF/EDM" is the term used to describe a standardized flat file electronic data interchange of information in files as mapped from the x.4.z GISB standards. GISB FF/EDM is communicated between trading partners over the Internet using the GISB Electronic Delivery Mechanism.
d5		"GISB EBB/EDM" is the term used to describe the GISB standardized electronic interchange of information for Customer Activities Web site presentations. GISB EBB/EDM is communicated between trading partners over the Internet using the GISB Electronic Delivery Mechanism for GISB EBB/EDM.
d7		"Header" is the term used to describe the area at the top of the Content Area of the browser display.

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	d8	"Detail" is the term used to describe the area directly below the Header in the Content Area of the browser display.
	d9	"Form" is the term used to describe the portion of the Content Area of the browser display on Customer Activities Web sites used for single transaction entry as well as, optionally, data selection. The Form should be either in the upper portion of the Content Area or, alternatively, a single page linked to the Matrix.
	d10	"Matrix" is the term used to describe the portion of the Content Area of the browser display on the Customer Activities Web sites used to display selected data entered on the Form and, when appropriate, for data entry. The Matrix should be either the lower portion of the Content Area (that area below the Form) or, alternatively, a single page linked to the Form.

**NEW PRINCIPLES**

- p1 Web site standards should not preclude various levels of user response and inter-activity. Minimum levels of user response or inter-activity should be developed.
- p2 Web site standards should not dictate or limit back-end development technology or systems. Industry Web sites should be accessible by a Standard Client Configuration.
- p3 A standardized Web site navigational structure should be developed to provide access to business functions. The hierarchical relationship, structure and order for navigation on the Web site should be established in a standardized manner.
- p4 Additional Informational Postings under Standard No. 4.3.6 which are not yet standardized for Web sites should be communicated over the Internet via a "common look and feel" standardized Web page.
- p5 Customer Activities Web sites should be designed for ease of user interaction.
- p6 There should generally be a one-to-one relationship between data elements used for EDI and/or flat files and the data displayed on Customer Activities Web pages.
- p7 Standard field name descriptors or abbreviations, and navigation and functional screen layouts should be used on all Customer Activities Web pages. There should be no standards for font size, colors, etc. Functional screen layouts should be developed as standards which would divide each transactional screen into separate areas and define which data elements belong in each specific area.
- p8 Information that is constant for the displayed Content Area may be placed in the page Header.
- p9 Data elements that have default values may be placed last to minimize scrolling.
- p10 As a general guideline, the initial phase of each business function category (of a multiple phase implementation) of "common look and feel" for Internet transactions that are not currently standardized should begin subsequent to the implementation of the currently standardized data sets to the Web. This does not preclude the implementation of new standardized data sets as they become available.

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	p11	There is displayed information on Customer Activities Web sites which does not have a comparable data element in EDI; however, the data (e.g. totals, reports, calculations) is derived from other EDI data elements. Provision of such information does not require the development of an EDI data set to accomplish a one-to-one match. However, any Customer Activities Web function should be derivable from information available in EDI data sets.
	p12	When standardized, all elements used in standard EBB/EDM, EDI/EDM and FF/EDM should be defined in the related GISB x.4.z standard.
	p13	For GISB FF/EDM, the content and usage of flat files should reasonably correspond to the GISB data sets used for GISB EDI/EDM.
	p14	If GISB FF/EDM is implemented, flat files should be exchanged via the GISB EDI/EDM site or the Customer Activities Web site.
	p15	Trading partners should maintain redundant connections to the public Internet for GISB EDM Web sites, which include all GISB standardized Internet communication. These redundant connections should be topographically diverse (duality of) paths to minimize the probability of a single point of failure.
	p16	Transportation Service Provider EDM implementations should minimize the number of outbound ports required to be opened on the client-side firewall.
<b>NEW STANDARDS</b>		
	s1	Internet protocols should be used for accessing all industry business functions.
	s2	Web browser interface should use Internet compatible common browser software.
	s3	Industry Web sites should be accessible via the public Internet using common browser software.
	s4	Each implementation of a current proprietary business function category on EBBs should remain available until such time as that business function category is tested and implemented via a Customer Activities Web site.
	s5	Standard navigation should be used to access all business functions on industry Web sites.
	s6	Navigation through the industry Web site menus should be consistent for location and technique.
	s7	The categories and the labels for Customer Activities Web sites should appear, if applicable, in the Navigational Area as follows: <ul style="list-style-type: none"> <li>• Nominations</li> <li>• Flowing Gas</li> <li>• Invoicing</li> <li>• Capacity Release</li> <li>• Contracts</li> <li>• Informational Postings</li> <li>• Site Map</li> </ul> Links supporting Mutually Agreeable categories should precede Informational Postings.

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s8		<p>The sub-categories and the labels for the category of Nominations should appear, if applicable, in the Navigational Area as follows:</p> <ul style="list-style-type: none"> <li>• Nomination</li> <li>• Confirmation</li> <li>• Scheduled Quantity</li> </ul> <p>Links supporting additional sub-categories will follow these links. This does not preclude a further breakdown within each sub-category from being listed in the Navigational Area.</p>
s13		<p>A Customer Activities Web page may display information (data elements and code values) from multiple functionally related EDI data sets (i.e. nominated quantities and scheduled quantities may appear on the same Web screen).</p>
s14		<p>GISB standard code value descriptions should be displayed for code values where appropriate.</p>
s15		<p>The Customer Activities Web Site should include the name, nickname, or name abbreviation of the Transportation Service Provider in the browser title bar. The name of the business function should be displayed in the Header.</p>
s16		<p>Where they exist for the same business function, flat files and EDI should use the same nomenclature for data set names, data element names, code values and/or code value descriptions, abbreviations and message text. Corresponding Web pages should use data set names, data element names, code value descriptions, abbreviations and message text that correspond to those used in flat files and EDI, where they exist.</p>
s17		<p>Totals, when appropriate, should be displayed within the Content Area of the Web page in a manner which distinguishes them from the data.</p>
s18		<p>Where navigation and/or processing functions exist for a Customer Activity, the Content Area should contain navigation in the Header on the left and processing functions in the Header on the right.</p>
s19		<p>Navigation for input data lookups, if provided, should be placed near the field being looked up. Navigation for informational lookups, if provided, should be included in the Header.</p>
s20		<p>GISB Common Codes for entity and location should be available for data validation or selection (viewing) on a Customer Activities Web site and in a standardized downloadable format for use by customers and third party service providers. Cross-references to proprietary codes may be provided on a mutually agreeable basis.</p>

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s21		<p>A Transportation Service Provider (TSP) which determines to provide new features utilizing existing transaction sets via GISB EBB/EDM, for each transaction upon inception of support for such service, should:</p> <ul style="list-style-type: none"> <li>• If GISB EDI/EDM or FF/EDM standards exist for the transaction set, provide the service via EDI/EDM, or FF/EDM or both, utilizing modifications defined by the TSP to the existing file structures;</li> </ul> <p>and,</p> <ul style="list-style-type: none"> <li>• Submit a request for modification or enhancement of the transaction set to GISB including details of the interim EBB/EDM, EDI/EDM and/or FF/EDM implementation.</li> </ul>
s22		Where a Transportation Service Provider (TSP) utilizes a subset of available GISB code values for specific data elements for inbound documents to the TSP, the TSP should make available a list of the supported code values in a download utilizing a GISB electronic format.
s23		<p>With regard to navigational links on Customer Activities Web sites, when using abbreviations, the following should be used:</p> <p>[Please refer to the table in the appendix for the abbreviations]</p>
s24		On the Nominations Web page, data should be organized in the Form in logical groupings. The logical groupings of data are specified in the Nominations Data Dictionary.
s29		Where display information on a Customer Activities Web site is derivable from data provided in a previous upload or download, the information should not be included in the EDI/EDM standards [or FF/EDM standard, for later consideration] that directly correspond to the EBB/EDM Web page being displayed.
s30		The industry should use common codes for location points and legal entities when communicating via EDI/EDM, EBB/EDM and/or FF/EDM. The corresponding common code name should also be used in EBB/EDM.
s31		Customer Activities Web pages should support entry of the maximum length for valid data, however, display can be done in a manner to minimize left to right scrolling.
s32		On Customer Activities Web pages, informational display fields can be displayed with related data.
s33		Providers of Customer Activities Web sites should ensure that the site operates within the guidelines of the "Technical Characteristics of the Client Workstation" described in the Appendix of the Electronic Delivery Mechanism Related Standards Manual. This appendix, listing examples of hardware and software configurations that providers should meet, should be reviewed and updated by the Future Technology Task Force, at a minimum, by the spring of each year and presented to the GISB Executive Committee for adoption by the June meeting of that committee.

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	s34	Access to the Customer Activities Web Site should be protected by HTTP Basic Authentication or similar logon/password mechanism(s). A Customer Activities Web site should typically require a single logon/password pair for each user session.														
	s35	At a minimum, data communications for Customer Activities Web sites should utilize 40-bit encryption. Where possible, 128-bit encryption is strongly recommended.														
	s36	Custom downloadable modules presented by a Customer Activities Web site should be signed by the author. The signatures on these modules should be communicated in advance to Web site users.														
	s37	In the Navigational Area of the Informational Postings Web Site, the navigational link for "Customer Activities" should appear directly above the navigational link for "Site Map."														
	s38	Private network connections to GISB EDM Web sites which include all GISB standardized Internet communication may be at any point on the Transportation Service Provider's (TSP's) firewall boundary at the TSP's discretion on a non-discriminatory access basis. The specific type and speed of these connections should be mutually agreed. It is at the discretion of the TSP on how multiple private network connections should be managed, so long as such management is done on a non-discriminatory access basis. TSPs are not responsible for any additional security exposures when using these private network connections.														
	s39	On Customer Activities Web sites, nominations data entry should be available on the Form and the Transportation Service Provider may also provide for nominations data entry on the Matrix.														
	s40	On the nominations data entry screen, data should be organized in logical groupings as defined in the Data Dictionary. The initial data element should be: <table border="1" data-bbox="440 1333 1096 1564"> <thead> <tr> <th><u>DATA GROUP</u></th> <th><u>INITIAL ELEMENT</u></th> </tr> </thead> <tbody> <tr> <td>Business Entity</td> <td>Transportation Service Provider</td> </tr> <tr> <td>Contracts</td> <td>Service Requester Contract</td> </tr> <tr> <td>Dates</td> <td>Beginning Date</td> </tr> <tr> <td>Receipt</td> <td>Receipt Location</td> </tr> <tr> <td>Delivery</td> <td>Delivery Location</td> </tr> <tr> <td>Transaction Specific</td> <td>Service Provider's Activity Code</td> </tr> </tbody> </table> <p>If the initial element is not present, the next supported data element becomes the initial element for that data group.</p>	<u>DATA GROUP</u>	<u>INITIAL ELEMENT</u>	Business Entity	Transportation Service Provider	Contracts	Service Requester Contract	Dates	Beginning Date	Receipt	Receipt Location	Delivery	Delivery Location	Transaction Specific	Service Provider's Activity Code
<u>DATA GROUP</u>	<u>INITIAL ELEMENT</u>															
Business Entity	Transportation Service Provider															
Contracts	Service Requester Contract															
Dates	Beginning Date															
Receipt	Receipt Location															
Delivery	Delivery Location															
Transaction Specific	Service Provider's Activity Code															
	s41	In the Form area of the nominations data entry screen, the data groups should appear in the following order: Business Entity, Contract, Dates, Receipt, Delivery and Transaction Specific.														
	s42	The Transportation Service Provider's Customer Activities Web Site should include the name, nickname, or name abbreviation of the parent company and/or Transportation Service Provider so that it will appear first in the browser title bar.														

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	s44	When the Form and the Matrix for Customer Activities Web sites are separate Web pages, a subset of the Form may be included by the Transportation Service Provider in the upper Content Area of the Matrix page.
	s45	The nominations data area of Customer Activities Web sites should include a Form and a Matrix. The Form and the Matrix may be combined into one if no left and right scrolling is required to enter a nomination.
	s46	On the nominations data entry screen, fields in the data groups on the Form should appear in the following order: Business Entity Data Group: Transportation Service Provider Service Requester Contracts Data Group: Service Requester Contract Model Type Dates Data Group: Beginning Date Beginning Time Ending Date Ending Time Receipt Data Group: Receipt Location Upstream Contract Identifier Upstream Identifier Code Receipt Quantity Receipt Rank (Priority) Upstream Rank (Priority) Upstream Package ID Delivery Data Group: Delivery Location Downstream Contract Identifier Downstream Identifier Code Delivered Quantity Delivery Rank (Priority) Downstream Rank (Priority) Downstream Package ID Transaction Specific Data Group: Service Provider's Activity Code Transaction Type Package ID Associated Contract Bid Transportation Rate Capacity Type Indicator Deal Type Nominator's Tracking ID

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	s48	A Transportation Service Provider which determines to provide new services which do not utilize existing transaction sets via GISB EBB/EDM, should, prior to implementation, submit a request for standardization to GISB including descriptions of the EBB/EDM, EDI/EDM and, as applicable, FF/EDM implementation.
	s49	On Customer Activities Web sites, information which is not part of the a data dictionary may be displayed.
	s50	On Customer Activities Web sites, the following standard nomenclature should be used for processing functions, when the associated function is supported by the Transportation Service Provider (TSP). TSPs may also support additional processing functions. [Please refer to the table in the appendix for the abbreviations]
	s51	Transportation Service Providers should be limited to the GISB approved list of available TCP ports and UDP ports for EDM implementations included in the Appendix of the Electronic Delivery Mechanism Related Standards Manual under Client Firewall Requirements for Service Provider EDM Implementations.
	s52	Transportation Service Provider EDM implementations should not require any inbound ports to be opened on the client-side firewall.
	s55	Providers of Customer Activities Web sites, at their discretion, may provide alternate views to data and transactions in addition to the GISB basic views (industry common views). The alternate views should not replace GISB basic views and should be offered as separate views, if available. If an alternate view is offered, the GISB basic view should be the default view and clearly labeled as the GISB basic view. Any alternate views must offer the same business result as the basic view and be accessible to all applicable users. The basic views must offer the same business result as the alternate views and be accessible to all applicable users.
	s56	The Content Area of the nominations browser display should provide access to a query or listing of receipt and delivery point location names/common codes from which to pick, in order to populate this data during transaction entry or selection.
	s57	Validation Messages for nominations submitted should contain a comparable level of detail for GISB EBB/EDM and EDI/EDM.
	s58	Data fields used to populate or control population of other fields can be placed before the fields to be populated. If these data elements apply to the entire Content Area they can appear in the Header. If the Transportation Service Provider elects to place such data fields in an order outside of the standardized order, the labels for these data fields should be distinguishable through visual cues from the labels of data elements in the standardized order.
	s62	Each data element which has been submitted for standardization in the GISB process should follow the GISB ordered data elements on the Form within a data group selected by the Transportation Service Provider.

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s63		<p>On the confirmation data entry screen, the data groups should be organized in logical groupings as defined in the Data Dictionary. The initial data element should be:</p> <table border="1"> <thead> <tr> <th><u>DATA GROUP</u></th> <th><u>INITIAL ELEMENT</u></th> </tr> </thead> <tbody> <tr> <td>Business Entity</td> <td>Confirmation Requester</td> </tr> <tr> <td>Contracts</td> <td>Confirmation Service Contract</td> </tr> <tr> <td>Dates</td> <td>Beginning Date</td> </tr> <tr> <td>Location</td> <td>Location</td> </tr> <tr> <td>Transaction Specific</td> <td>Contractual Flow Indicator</td> </tr> </tbody> </table>	<u>DATA GROUP</u>	<u>INITIAL ELEMENT</u>	Business Entity	Confirmation Requester	Contracts	Confirmation Service Contract	Dates	Beginning Date	Location	Location	Transaction Specific	Contractual Flow Indicator
<u>DATA GROUP</u>	<u>INITIAL ELEMENT</u>													
Business Entity	Confirmation Requester													
Contracts	Confirmation Service Contract													
Dates	Beginning Date													
Location	Location													
Transaction Specific	Contractual Flow Indicator													
s64		<p>On the confirmation data entry screen, one of the following confirmation views should be supported:</p> <ul style="list-style-type: none"> <li>Location View</li> <li>Contract View</li> </ul> <p>On the confirmation data entry screen for the location view, the data groups should appear in the following order:</p> <ul style="list-style-type: none"> <li>Business Entity</li> <li>Dates</li> <li>Location</li> <li>Contracts</li> <li>Transaction Specific</li> </ul> <p>On the confirmation data entry screen for the contract view, the data groups should appear in the following order:</p> <ul style="list-style-type: none"> <li>Business Entity</li> <li>Contracts</li> <li>Dates</li> <li>Location</li> <li>Transaction Specific</li> </ul>												
s65		<p>On the Scheduled Quantity Web page, data should be organized in logical groupings. The logical groupings of data are specified in the Scheduled Quantity Data Dictionary.</p>												

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	s68	<p>On the confirmation data entry screen, fields in the data groups should appear in the following order:</p> <p>Business Entity Data Group:</p> <ul style="list-style-type: none"> <li>Confirmation Requester</li> <li>Confirming Party</li> <li>Transaction Identifier</li> </ul> <p>Contracts Data Group:</p> <ul style="list-style-type: none"> <li>Confirmation Service Contract</li> <li>Confirmation Service Identifier Code</li> </ul> <p>Dates Data Group:</p> <ul style="list-style-type: none"> <li>Beginning Date</li> <li>Beginning Time</li> <li>Ending Date</li> <li>Ending Time</li> </ul> <p>Location Data Group:</p> <ul style="list-style-type: none"> <li>Location</li> </ul> <p>Transaction Specific Data Group:</p> <ul style="list-style-type: none"> <li>Contractual Flow Indicator</li> <li>Upstream Identifier/Downstream Identifier Code</li> <li>Upstream Contract/Downstream Contract Identifier</li> <li>Service Requester</li> <li>Service Requester Contract</li> <li>Package ID</li> <li>Quantity</li> <li>Reduction Reason (Confirmation Purposes Only)</li> <li>Receipt Rank (Priority)/ Delivery Rank (Priority)</li> <li>Upstream Package/Downstream Package ID</li> <li>Associated Contract</li> <li>Confirmation Tracking Identifier</li> </ul>

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	s69	<p>On the scheduled quantity Web page, fields in the data groups on the Form should appear in the following order:</p> <p>Business Entity Data Group:  Transportation Service Provider  Service Requester  Statement Date/Time</p> <p>Contracts Data Group:  Service Requester Contract  Model Type</p> <p>Dates Data Group:  Beginning Date  Beginning Time  Ending Date  Ending Time</p> <p>Receipt Data Group:  Receipt Location  Upstream Contract Identifier  Upstream Identifier  Receipt Quantity  Receipt Rank (Priority)  Upstream Package ID</p> <p>Delivery Data Group:  Delivery Location  Downstream Contract Identifier  Downstream Identifier  Delivery Quantity  Delivery Rank (Priority)  Downstream Package ID</p> <p>Transaction Specific Data Group:  Reduction Reason  Service Provider's Activity Code  Transaction Type  Package ID  Associated Contract  Bid Transaction Rate  Capacity Type Indicator  Deal Type  Nominator's Tracking ID  Fuel Quantity</p>
	s70	<p>The scheduled quantity Web page of Customer Activities Web sites should include a Form and a Matrix. The Form and the Matrix may be combined into one if no left and right scrolling is required.</p>

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	s71	<p>On the scheduled quantity for operator Web page, fields in the data groups should appear in the following order:</p> <p>Business Entity Group</p> <p style="padding-left: 40px;">Preparer ID</p> <p style="padding-left: 40px;">Statement Recipient ID</p> <p style="padding-left: 40px;">Statement Date/Time</p> <p>Contracts Data Group</p> <p style="padding-left: 40px;">Confirmation Service Contract</p> <p style="padding-left: 40px;">Confirmation Service Identifier Code</p> <p>Dates Data Group</p> <p style="padding-left: 40px;">Beginning Date</p> <p style="padding-left: 40px;">Beginning Time</p> <p style="padding-left: 40px;">Ending Date</p> <p style="padding-left: 40px;">Ending Time</p> <p>Locations Data Group</p> <p style="padding-left: 40px;">Location</p> <p>Transaction Specific Data Group</p> <p style="padding-left: 40px;">Contractual Flow Indicator</p> <p style="padding-left: 40px;">Upstream Identifier Code/Downstream Identifier Code</p> <p style="padding-left: 40px;">Upstream Contract Identifier/Downstream Contract Identifier</p> <p style="padding-left: 40px;">Service Requester</p> <p style="padding-left: 40px;">Service Requester Contract</p> <p style="padding-left: 40px;">Package ID</p> <p style="padding-left: 40px;">Quantity</p> <p style="padding-left: 40px;">Reduction Reason</p> <p style="padding-left: 40px;">Upstream Package ID/Downstream Package ID</p> <p style="padding-left: 40px;">Confirmation Tracking Identifier</p>

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