

# EDM version 1.6 Revision History

March 9, 2002

## ***Enhancements from Errata 1***

- removed date from top of appendix C
- removed reference to Netscape version 4.06

## ***Enhancements from Errata 2***

- Changed 4.3.16 to:

The documents identified in GISB Standard 4.3.6 should be made available in HTML or RTF format, except with respect to the Index of Customers document which may be displayed in HTML or RTF and which should be downloadable in a defined, tab-delimited ASCII text file, with provisions for title information and footnote capability, as set forth in Code of Federal Regulations Part 284, Section 223. (Reference Order Number 637, Docket No. RM98-10-000, issued February 9, 2000, "Appendix A, Instruction Manual for Electronic Filing of the Index of Customers" issued pursuant to the above referenced order.)'

- Changed 4.3.35 to:

'For the "Index of Customers", the column headings for the web site display for the "Index of Customers" should be displayed in the order provided for in reference Order No. 637, Docket No. RM98-10-000, issued February 9, 2000, "Appendix A, Instruction Manual for Electronic Filing of the Index of Customers" issued June 29, 2000, pursuant to the above referenced order, for those fields identified as "detail fields". In addition, the other "Index of Customers" information not included in the columnar display should be accessible from the columnar display.'

- In Appendix D, Examples of User Workstations Meeting Criteria of Informational Postings Web Site User Characteristics, make the following revisions:
  - Change the last footnote on the page from footnote '3' to footnote '4'.

- In the Executive Summary, subsection 'Open Standards', in the last item in the indented list of components, all letters in 'HTTP' should be capitalized.
- In Appendix C, 'Minimum Technical Characteristics and Guidelines for the Customer Activities Web Site', Footnote 1, insert a single quote at the beginning of the second sentence. There should be single quotes around the word 'Minimum'.

## ***Enhancements from GISB's Response to Sandia***

### **GISB Standard No. 4.3.4 – GISB Standard No. 4.3.4 is proposed to be modified**

**from:**

Transactional data should be retained for at least 24 months for audit purposes.

This data retention requirement only applies to the ability to recover or regenerate electronic records for a period of two years and does not otherwise modify statutory, regulatory, or contractual-record retention requirements.

**to:**

Trading partners should retain transactional data for at least 24 months for audit purposes.

This data retention requirement only applies to the ability to recover or regenerate electronic records for a period of two years and does not otherwise modify statutory, regulatory, or contractual record retention requirements.

### **GISB Standard No. 4.3.6 – GISB Standard No. 4.3.6 is proposed to be modified**

**from:**

By August 1, 1997, Transportation Service Providers should establish a HTML page(s) accessible via the Internet's World Wide Web. The information that is currently provided should be posted as follows:

- 1) Notices (critical notices, operation notices, system wide notices, etc.)
- 2) FERC Order No. 566 affiliated marketer information. (affiliate allocation log, 24 hr. discount posting, etc.)
- 3) Operationally available and unsubscribed capacity
- 4) Index of customers
- 5) Transportation Service Provider's tariff (Terms, conditions and rates), or general terms and conditions.

and

Transportation Service Providers should make all pertinent EBB functions and information available via the Internet or via the technology recommended by GISB within a reasonable amount of time after each such function or information has become standardized as appropriate by GISB.

and

Within a reasonable amount of time, all EBB information, functions and transactions should be achieved via one mode of communications. Information and functions should remain available through existing systems until one mode of communication is available. Implementation time lines for this activity would be determined during the 1997 annual planning activities held in 1996.

**to:**

Transportation Service Providers should establish a HTML page(s) accessible via the Internet. The following information should be posted:

- 1) Notices (critical notices, operation notices, system wide notices, etc.)
- 2) FERC Order No. 566 affiliated marketer information. (affiliate allocation log, 24 hr. discount posting, etc.)
- 3) Operationally available and unsubscribed capacity
- 4) Index of customers
- 5) Transportation Service Provider's tariff (Terms, conditions and rates), or general terms and conditions.

**GISB Standard No. 4.3.8 – GISB Standard No. 4.3.8 is proposed to be modified**

**from:**

The minimum acceptable protocol should be HTTP. All sending and receiving parties should be capable of sending and receiving using HTTP.

**to:**

The minimum acceptable protocol should be HTTP. All sending and receiving parties should be capable of sending and receiving the HTTP versions supported by GISB.

**GISB Standard No. 4.3.10 – GISB Standard No. 4.3.10 is proposed to be modified**

**from:**

The time-stamp should be included in the HTTP response back to the sender of the original HTTP transaction. It is recommended that the server clock generating the time-stamp be synchronized with the National Institute of Standards and Technology (NIST) time in order to mitigate the discrepancies between the clocks of the sender and receiver.

**to:**

The time-stamp should be included in the HTTP response back to the sender of the original HTTP transaction. The server clock generating the time-stamp should be synchronized with the National Institute of Standards and Technology (NIST) time in order to mitigate the discrepancies between the clocks of the sender and receiver.

**GISB Standard No. 4.3.15 – GISB Standard No. 4.3.15 is proposed to be modified**

**from:**

Trading partners should implement all security features (secure authentication, integrity, privacy, and non-repudiation) using a file-based approach via a commercially available implementation of PGP 2.6 or greater (or compatible with PGP 2.6). Trading partners should also implement basic authentication. This should be regarded as an interim solution since this technology is not an open standard. This technology supports all of the above security features while providing independence of choice of Web servers and browsers. Encryption keys should be self-certified and the means of exchange should be specified in the trading partner agreement.

**to:**

Trading partners should implement all security features (secure authentication, integrity, privacy, and non-repudiation) using a file-based approach via a commercially available implementation of PGP 2.6 or greater (or compatible with PGP 2.6). Trading partners should also implement basic authentication. This should be regarded as an interim solution since this technology is not an open standard. This technology supports all of the above security features while providing independence of choice of Web servers and browsers. Encryption keys should be self-certified and the means of exchange should be specified in the trading partner agreement. Encryption keys should have a limited lifetime whose duration is determined by the key's owner. A key's end of life is expressed in the expiration date field contained in each PGP public key. A lifetime of one year or less is recommended.

**GISB Standard No. 4.3.61 – GISB Standard No. 4.3.61 is proposed to be modified**

**from:**

At a minimum, data communications for Customer Activities Web sites should utilize 40-bit encryption. Where possible, 128-bit encryption is recommended.

**to:**

Data communications for Customer Activities Web sites should utilize 128-bit Secure Sockets Layer (SSL) encryption.

**GISB Standard No. 4.3.83 – GISB Standard No. 4.3.83 is proposed to be modified**

**from:**

For Interactive Flat File EDM, 40-bit Secure Sockets Layer (SSL) encryption should be used. Where possible, 128-bit SSL encryption is strongly recommended.

**to:**

For Interactive Flat File EDM, 128-bit Secure Sockets Layer (SSL) encryption should be used.

Added GISB standard 4.3.88

4.3.88 For EDI/EDM, 128-bit Secure Socket Layer (SSL) encryption should be used.

Added principle 4.1.39

4.1.39 Trading Partners should mutually select and utilize a version of the GISB EDM standards under which to operate, unless specified otherwise by government agencies. Trading Partners should also mutually agree to adopt later versions of the GISB EDM standards, as needed, again unless specified otherwise by government agencies.

- Deleted principle 4.1.1
- Deleted principle 4.1.11

CHANGES:

**1. On page 6 of Tab 4, the title**

**from:**

Major functions of the Internet EDM Model covered by the Standards

**to:**

Major functions of Internet EDM covered by the Standards

**2. The text in Tab 3, Executive Summary, p. 1, Open Standards is proposed to be changed**

**from:**

A brief delineation of these components and their relationship to the model are covered at a high level in the Business Process and Practices (Business Process Description) section and in more detail in later sections of this manual.

**to:**

A brief delineation of these components is covered at a high level in the Business Process and Practices (Major functions of Internet EDM covered by the Standards) section and in more detail in later sections.

**3. The section titled "Related Standards", sub-section Hypertext Transfer Protocol (HTTP)" (page 44 of the PDF file) is proposed to be changed**

**from:**

HTTP has been in use by the World-Wide Web global information initiative since 1990. This specification reflects common usage of the protocol referred to as HTTP/1.0.

**to:**

HTTP has been in use by the World-Wide Web global information initiative since 1990. Appendix A of the Electronic Delivery Mechanism Related Standards manual contains a listing of the HTTP version(s) supported by GISB.

- Created a new Appendix "E"
- Moved the portion of pdf page 20 starting at "Allowable TCP ports" through the end of the following paragraph, ending with "Plugins and modules", including the trademark references at the bottom of the page to Appendix E.
- Moved the text on pdf page 21 starting with "\*\*The reservation of 20" and ending with "usage of these ports" to Appendix E.

**5. On PDF page 74, the last paragraph on page 26 of the Frequently Asked Questions is proposed to be modified**

**from:**

Both encryption methods are supported and do not conflict with each other. The use of PGP and X12.58 encryption must be specified in the Trading Partner Agreement.

**to:**

The use of internal encryption such as X12.58 is outside the scope of the GISB encryption standards.

**6. The section titled “Technical Implementation - Interactive FF/EDM” under the sub-title “Security” and heading “Encryption” is proposed to be modified**

**from:**

Encryption

Standard 4.3.83 calls for the use of 40-bit encryption using Secure Socket Layer (SSL) technology. SSL is accomplished by obtaining a certificate from providers and using Web servers capable of using these certificates. The browsers specified in the client configuration standard are known to be able to handle SSL mechanisms. Any pages to be protected with SSL need to be invoked with the HTTPS protocol by using “https” versus “http” as part of the hyperlink (HREF) name. Note that this means using a Fully Qualified versus Relative link name. This, in turn, causes a new DNS lookup from the browser. When the hostname is provided by more than one machine, this may result in the request being sent to a different machine. This would only cause problems where necessary state information is being maintained in the memory of the Web server’s machine.”

**to:**

Encryption

Standard 4.3.83 calls for the use of 128-bit encryption using Secure Socket Layer (SSL) technology. SSL is accomplished by obtaining a certificate from providers and using Web servers capable of using these certificates. The browsers specified in the Standard Client Configuration are known to be able to handle SSL mechanisms. Any pages to be protected with SSL need to be invoked with the HTTPS protocol by using “https” versus “http” as part of the hyperlink (HREF) name. Note that this means using a Fully Qualified versus Relative link name. This, in turn, causes a new DNS lookup from the browser. When the hostname is provided by more than one machine, this may result in the request being sent to a different machine. This would only cause problems where necessary state information is being maintained in the memory of the Web server’s machine.

**7. On PDF page 66, the section titled “SECURITY” under the sub-title “Encryption/Digital Signature” is proposed to be modified**

**from:**

Encryption and signatures are applied to files already translated to a GISB standard data format. (Use of internal encryption such as X12.58 encryption is outside the scope of GISB encryption standards but does not conflict with PGP.).

**to:**

Encryption and signatures are applied to files already translated to a GISB standard data format, and before the data is sent to the batch browser.” (Use of internal encryption such

as X12.58 encryption is outside the scope of GISB encryption standards but does not conflict with PGP.)

**8. On PDF page 68, the section titled “SECURITY” under the sub-title “Security Requirements” under the header “PGP File Encryption”, the following is proposed to be deleted:**

Those companies who wish to conduct business across the Internet in an unsecure fashion may do so by mutual agreement.

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***FTTF changes from April, 2001.***

Changed Appendix E by adding SMTP 25 to allowable ports and combined SSL 443 onto the same line as HTTP.

Changed HTTP protocol from 1.0 to 1.1 in appendix A and section Interactive FF/EDM Security/Authentication.

APPENDIX C changes

Changed the following in Appendix “C” from 12 to 6 months, per the EDM meeting 3/8/02.

Plug-ins (Generally Available (GA) versions within 6 months of such GA versions becoming available)

Changed CPU from 300 to 500

Change RAM from 96 MB to 256 MB

APPENDIX D changes

Removed reference to 7/31/98

Changed RAM from 32 MB to 128 MB

Changed CPU from 90 to 200

Added Windows ME and Linux to Operating Systems

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MADE COPY OF CHANGES AT THIS POINT FOR JoAnn/NAESB  
Called EDM-V16-APPROVED.zip

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## **PROPOSED CHANGES ONLY FROM THIS POINT**

Changes affecting Tab 06 –

Inserted text in data dictionary for XML value within input-format.

Added new element refnum.

Inserted error codes EEDM119, EEDM120 and WEDM104

Inserted refnum into table of Mutually agreed elements.

Added support for OpenPGP to EDM Tab 06 Internet EDI EDM Batch FFEDM on PDF pages:

-24

- 25
- 26
- 31 (also fixed type in first paragraph)
- 32
- 34

Page 14 inserted refnum into example

Page 16 deleted text indicating SSL is not required

Page 20 rephrased to reflect listing of supported ports within Appendix E.

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Changes affecting Tab 4 – Business Process Practices

Page 7 – added text supporting Open PGP within the Security section.

Page 16 – added text to support OpenPGP in 4.3.15

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Changes affecting EDM Tab 02 – Introduction

Removed dates from Appendix titles

Added Appendix E

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Changes affecting Tab 5 – Related Standards

NONE

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Changes affecting Tab 8 – EBB EDM

Changed occurrences of 40 bit to 128 bit SSL

Changes affecting Tab 10 – Appendix

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Inserted description of OpenPGP in Appendix A

Included text supporting OpenPGP in Appendix B