



## Gas Industry Standards Board

1100 Louisiana, Suite 4925, Houston, Texas 77002

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Home Page: www.gisb.org

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**TO:** GISB EDM Subcommittee Participants & Posting for Interested Industry Participants

**FROM:** Jo Ann, Director  
Dick Brooks, Co-Chairman, GISB EDM Subcommittee  
Leigh Spangler, Co-Chairman, GISB EDM Subcommittee

**RE:** Final Minutes from the GISB EDM Subcommittee Meeting

**DATE:** February 14, 2001

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### **GAS INDUSTRY STANDARDS BOARD GISB EDM SUBCOMMITTEE MEETING**

**Conference Call: 9:00 p.m. to 12:00 p.m., February 14, 2001**

#### **FINAL MINUTES**

#### **I. Administrative**

Mr. Spangler welcomed participants. Ms. Garcia read the roll call. Ms. Garcia read the antitrust statement. The agenda after discussion of the procedure the group will follow on voting of the recommendations was adopted unanimously. The draft minutes of September 11, October 31, November 3, and February 9 were adopted with modifications.

#### **II. Sandia Report Action Plan**

Mr. Spangler asked that thanks be conveyed to Ms. Rae McQuade for her work in getting the Action Plan and Priority List together for the group. He stated it was a great deal of work and very well done. Ms. Garcia will relate the groups thanks to Ms. McQuade. The group started the discussion with the High Priority items as identified at the last meeting of the action plan.

- 7.1.5 Encrypt batch processing of request and response messages with SSL.  
After considerable discussion on the difficulty of implementation, Richard Hamilton agreed to identify the current standards that relate to adding SSL to the EDM batch browser mechanism and purpose changes to the standards for the addition of SSL to batch browser EDM and report to the group.
- 7.1.9 Require the use of strong encryption and strong authentication on all transactions.

Whether this item was addressed in 7.1.5 was discussed and whether or not Sandia intended that all transactions required strong encryption and not just those affected by 7.1.5. Terry Lehn volunteered to draft a proposed answer after researching the available information. He will make specific statements regarding both batch and interactive transactions and their proposed security levels.

- 7.1.10 Establish SSL session prior to the HTTP Post process to protect the user ID, password and any header information.

The group concluded that this item is covered with item 7.1.5.



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### 7.1.12 Address message replay in the standard to disallow replay attacks.

This item was identified as one on which GISB should request clarification from Sandia. Discussion of the preparation of a list of items to be discussed with Sandia ensued. It was decided that the group would go through all the items and prepare a list and Sandia would then be contacted and assistance would be requested in understanding the intent and language of the recommendations made by Sandia.

There was discussion of the two kinds of attacks to defend against (deep denial of service attack and a man in the middle attack) and the Sandia recommendation to include a timestamp. The various scenarios possible by these attacks were put forth and the group then identified this item as one they needed more clarification from Sandia on what is thought of as sensitive vs non-sensitive information by them and the industry. Leigh Spangler will write up language of the discussion.

### 7.1.2 Require clients to acquire time-of-day from the server and check that time against their own reference, with notification to the user of discrepancies higher than a specified threshold.

The group agreed that the language in GISB Standard 4.3.10 be changed to make the word "recommended" read "should" to strengthen the language. . The group left open the opportunity for members to propose mechanisms that would further enhance coordination of server clocks.

### 7.1.3 Manage keys with a set expiration date.

A consensus was reached that expiration dates on keys was a good thing and that there was a need to address the issue. Dick Brooks volunteered to write wording for a standard specification.

### 7.1.6 PGP signatures should be required for interactive processing of transactions under SSL encryption protection.

The Sandia recommendation of PGP digital signature and encryption of data contained on the clipboard will be investigated by Terry Lehn and report back to the group at the next meeting.

### 7.1.7 The group concurred on the adoption of 128-bit security as proposed by Sandia. Richard will incorporate this into his proposals for 7.1.5 and 7.1.10

### 7.4.5 The group concurred on the desirability of maintaining versions between trading partners. The group discussed creating a new standard, a principle and/or modification to the GISB TPA as a way of codifying this. Leigh will create verbiage for a proposed principle for the next meeting.

## III. Next Agenda

The next meeting will be a conference call to continue work on the action plan. The next conference call is scheduled for February 28 from 9:00 a.m. to noon central.

## IV. Adjournment

The meeting adjourned at 11:55 p.m.

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### V. Attendees

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<b>Name</b>	<b>Company</b>
<b>SERVICES SEGMENT:</b>	
Dick Brooks	Group 8760
Leigh Spangler	Latitude Technologies
<b>PIPELINE SEGMENT:</b>	
Jim Keisler	Williams Gas Pipeline
Richard Hamilton	Williams Gas Pipeline
Randy Young	Gulf South Pipeline
Terry Lehn	Enron Transportation Services
Radha Manam	CMS
Mike Shahan	Dominion
<b>ADMINISTRATIVE:</b>	
Jo Ann Garcia	GISB