

GISB FTTF Meeting
November 7, 2000
Dynegy – Houston, TX
*** FINAL* Minutes**

- The FTTF meeting was called to order at 9:15, at Dynegy offices in Houston, Tx, by the Chair, Mike Shahan.
- The following were in attendance:
 - Mike Shahan Dominion-PNG
 - Adam Anderson Dominion Transmission
 - Gina McMahan BTU Watch, Inc
 - Therese Hess Enron-Trans Western
 - Pete Whatley Dynegy Marketing & Trading
 - Andy Sicignano Enron North America
 - Terry Lehn Enron – FGT
 - Richard Hamilton Williams Natural Gas
- Mike Shahan read the GISB anti-trust statement.
- The posted agenda was adopted.
- Minutes from the 6/1/2000 FTTF meeting were adopted as corrected.

- **Analysis of Interoperability Survey**
 - Hardware
 - Approximately how many PCs are used in your company to access Customer Activities Websites?
 - Average per responding company was 62, min 0, max 800, median is 20
 - We think we should remove the high and low and then recompute the average
 - Results do show different classes of users (small, medium, large)
 - Approximately how many PCs are used in your company to access Informational Posting Websites?
 - Average per responding company was 68, min 2, max 800
 - We think we should remove the high and low and then recompute the average
 - What percentage of all PCs (within your company) is used to access Customer Activities Websites?
 - Average 32%, min 1%, max 100%
 - This information probably does not give us any relevant information – we don't know if 'other' PCs have the same or different configuration
 - How old are your PCs?
 - 28% < 1 year, 45% 1-2 years, 30% > 2 years

- How often are PCs replaced with new PCs?
 - Average 2.9 years, min 2, max 5
 - This was the expected result – 3 year replacement cycle
 - Because of standard making timing, our standards are about 1.5 years old when published and implemented, therefore, if we propose updates to standards requiring ‘then current configurations’, we should not impact more than 50% of desktops.
- What is the max monitor resolution?
 - 99% 800x600 or higher, 89% 1024x768 or higher
 - We probably don’t want to look at a higher resolution than current (1024x768)
- What is the resolution actually used?
 - 100% 800x600 or higher, 66% 1024x768 or higher
 - Looks like several users are using 800x600 when they could be using 1024x768. Is this by choice or by ignorance?
 - Not many will be using a higher resolution than 1024x768
- What is the processor speed?
 - 45% 166-350, 43% 400-600
 - Processor speed in 6 months?
 - 51% 400-600, 23% >600
 - still ¼ of users are 350 or less
 - substantial movement to more processing power
 - we feel 1.5 recommendation (300) was a good decision and this should be increased for the 1.6 publication
- How much Random Access Memory (RAM) is on your PCs?
 - The categories on this question were not correct on the survey, we are going to ignore the 400-600 category
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	Now	6 months
▪ < 64	25%	14%
▪ 65-96	53%	57%
▪ 97-128	4%	4%
▪ >128	19%	23%

 - Responses seem to suggest that the 96 MB recommendation of 1.5 was a good recommendation
 - Next year’s review should look at increasing this minimum. May want to tell the user to look at OS when making this decision.
- How do you connect to the Internet?
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	Now	6 Months
▪ Direct	98%	11%
▪ Dial-up	91%	13%

 - We are assuming that companies whose answers sum to more than 100% are including normal at work direct connections and work from home dial-ups

- We don't think the results accurately reflect the number of users still using dial-up. Our standards still need to address the need for dial-up connections.
 - What is your typical dialup connect speed?
 - Can't draw any conclusions from responses
- Do you have a redundant (failover) Internet connection?
 - Majority says 'Yes'.
- Are you using any non-PC devices to access Websites? (PDAs, cell phone browsing, web TV, etc.)?
 - Few respondents are using non-PC devices currently, although this number will quadruple in 6 months (4% to 16%)
 - Need to monitor for now (perhaps with XML)
- What operating systems are running on your PCs?
 - Windows 99%
- Which Internet browsers are installed on your PCs?
 - 24% Netscape, 91% IE
 - Although more use IE, there is not a trend of users moving away from Netscape
 - Response does not indicate what is used, just what's installed
 - Versions
 - Most seem to have fairly current versions
- Have you encountered any conflicts with browser versions and/or plug-ins?
 - Yes-15, No-11, Don't Know-5
 - Seems to be a high percentage of respondents experiencing some kind of conflict – We will need some kind of FTTF follow-up on this issue.
 - We will to solicit ideas and/or work papers on this issue
 - We will check with GISB office on the possibility of gathering more detail from the respondents who reported a conflict
 - Some respondents with conflicts, only access 1 site (next question), so conflict is not limited to our industry
- Usage
 - How many different Customer Activity Websites does your average user access?
 - Most users are accessing multiple sites
 - Do your users access multiple Customer Activity Websites and/or Informational Posting Websites at the same time?
 - Majority of users do access CA and IP sites concurrently
 - Most are using same PC to do this concurrent access (does this minimize the conflict issue?)
 - Do you have other interoperability issues or concerns about Customer Activities Websites or Informational Posting Websites?
 - We are not sure what some of these concerns mean. Some responses 'should not be' possible with current standards.

- No clear conclusions can be made from this data.
 - Follow-up would be required to do anything here.
 - Are you planning to upgrade your PCs in the future? If so, when and what will be the new configuration?
 - Seems to confirm data reported in Questions 4 & 5
 - Items for GISB office:
 - Respondents 15 A & B, and 25 A, B & C – were these one survey submitted with multiple companies, or multiple surveys? It appears the response was the same for each question as if the survey was completed, copied, then submitted for different entities. If this is so, then we should only view as 1 response so not to skew the results.
 - We noted a couple clean-up items for the document:
 - Q6 – Part 2, should the 110% for 25A 25B and 25C be 10%? If so, change and recalculate averages.
 - Q18 Part 1 and Part 2, are listed as Q17 Part 2 and Part3
- A brief discussion of EDM's plan for addressing the Sandia report was held.
 - It was noted that FTTF members who have an interest, should participate in the EDM meeting to triage the items in this report.
- The next FTTF meeting will be scheduled after items from the Sandia report have been triaged.
- The FTTF meeting was adjourned at 12:10 PM