

# OEB GDAR EBT Standards Working Group – Transport Protocol Subgroup

Information contained in working group notes represent the views of the individuals participating in the working group only, and in no way reflect official Ontario Energy Board position or opinion.

## Minutes for March 3, 2006 – Draft

### ATTENDEES:

|                    |                         |
|--------------------|-------------------------|
| Darcy Hewgill      | Direct Energy           |
| Moataz Abdellateef | Direct Energy (partial) |
| Bruce Miner        | Direct Energy (partial) |
| Dan Schmelzer      | Enbridge                |
| Ernest Cheng       | Enbridge                |
| Peter Brandrick    | Energy Savings          |
| Adam Berent        | Energy Savings          |
| Latif Nurani       | Energy Savings          |
| Victor Bosyy       | Kitchener Utilities     |
| Dave Robertson     | Union Gas               |
| Vu Pham-Tran       | Union Gas               |
| Dennis Alexander   | Union Gas               |
| Tom Stark          | ExtenSys                |
| Scott Atkins       | SPI                     |
| Barb Robertson     | OEB                     |

### PROTOCOL

| Item                          | Discussion   | Action Items   |
|-------------------------------|--|--|
| 1. Draft Feb 17/06 minutes    | <ul style="list-style-type: none"> <li>Accepted</li> </ul>   |  |
| 2. Comments on draft protocol | <ul style="list-style-type: none"> <li>New draft ver 0.2, including wording on certificates, circulated prior to meeting. Changes were accepted by the group.</li> <li>Comments/revisions proposed will be incorporated into ver 0.3</li> <li>Review of Appendix D on Public Key Management</li> </ul> | <p>Tom Stark<br/>All – to be reviewed for next meeting</p> |

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|  | <ul style="list-style-type: none"> <li>Suggestion that SOPE be considered (helpful if hubs used in future). Group discussed and agreed that it should be considered for the next phase, that is, after the connectivity test. Ernest will provide documentation and/or links for all to review for next meeting.</li> </ul>  | Ernest Chang                     |
|--|--|----------------------------------|
| 3. Scope of Testing  | <ul style="list-style-type: none"> <li>Group discussed in more detail the scope of the testing, and recommended that testing should be done in two phases. The first phase, point to point connectivity, would consist of encryption, decryption, certificates and PGP. This phase would take place during the week of April 3<sup>rd</sup> to 10<sup>th</sup>. A second phase would test the parser, validate against the schemas, and send and accept functional acknowledgements. This phase would need to be done prior to the market testing at the application level at the end of the development cycle. At the successful completion of this 2<sup>nd</sup> phase, the Point implementation would meet the Ontario Gas Distribution Access Rule (GDAR) EBT Transport Protocol Between Points Version 0.3 Standard. Although it was acknowledged that this should be done as soon as possible and no later than 1 month prior to market testing, a firm date has not been agreed to.</li> </ul> |                                  |
| 4. Testing - Exceptions  | <ul style="list-style-type: none"> <li>Kitchener Utilities requested an extension of 3 weeks to allow its testing to be done during the week of April 24, 2006. It was agreed by OESC and DE that they would test with Kitchener during this period. By this time, these vendors would already know that their systems had tested successfully, and the test would be to ensure Kitchener's system meets the standard.</li> </ul>  |                                  |
| <b>CONNECTIVITY TEST PLAN (details as provided by E. Cheng and D. Robertson/D. Alexander/V. Pham-Tran)</b> |  |                                  |
| <b>Item</b>  | <b>Discussion</b>  | <b>Action Items</b>              |
| 1. Contact List  | <ul style="list-style-type: none"> <li>Each Market Participant must identify a Primary Technical Contact (i.e., the person responsible for running the test) including name, phone number and email address. A Secondary Technical Contact and Business Contact(s) may also be provided. Information should be sent to the OEB, <a href="mailto:Barbara.Robertson@oeb.gov.on.ca">Barbara.Robertson@oeb.gov.on.ca</a>, by noon <b>Friday March 10, 2006</b>.</li> <li>The OEB will compile a table, and forward a copy to all Market Participants</li> </ul>  | <p>All</p> <p>Barb Robertson</p> |

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|                                      | by Monday March 13, 2006.   |                           |
| 2. URL/MP ID                         | <ul style="list-style-type: none"> <li>Each Market Participant must provide its URL and Market Participant ID that will be used in the test. (Note: The MP ID is a dummy used for the purposes of the test only.) This information should be sent to the OEB along with the contact information identified above.</li> <li>The OEB will include this information in the contact list table.</li> </ul>  | All<br><br>Barb Robertson |
| 3. Test XML – week of March 20, 2006 | <ul style="list-style-type: none"> <li>It was agreed that the XML document provided by Union Gas would be used (see attachment). The test document will be encrypted with settings as defined in EBT standards and shared along with public keys via email. The purpose is to ensure that all PGP settings are used uniformly.</li> </ul>   | All                       |
| 4. Test 1 – week of March 27, 2006   | <ul style="list-style-type: none"> <li>Verify Public Servers are available. <ul style="list-style-type: none"> <li>static dummy pages available on servers accessible by other participants</li> <li>ping test or navigation test to appropriate URL is sufficient</li> </ul> </li> </ul>   | All                       |
| 5. Test 2 – week of March 27, 2006   | <ul style="list-style-type: none"> <li>Verify Server Certificates are valid. <ul style="list-style-type: none"> <li>CA certificate obtained from a MP should be added to the Trusted Certification Authorities on the Public Server that will be connected to the Recipient Server.</li> <li>Navigate via HTTPS to the Public URL of the Recipient Server <ul style="list-style-type: none"> <li>Server Certificate validated to be from a trusted CA</li> <li>Server Certificate deemed to be valid</li> <li>Server Certificate name matches name of the Public URL</li> </ul> </li> </ul> </li> </ul> | All                       |
| 6. Test 3 – week of April 3, 2006    | <ul style="list-style-type: none"> <li>Connectivity Test using certificates and PGP <ul style="list-style-type: none"> <li>As Sender <ul style="list-style-type: none"> <li>can encrypt test XML with Recipient Public PGP key</li> <li>can sign Test XML with own Private PGP key</li> </ul> </li> <li>As Recipient</li> </ul> </li> </ul>   | All                       |

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|                              |   |                                 |
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|                              | <ul style="list-style-type: none"> <li>▪ can decrypt Test XML with own Private PGP key</li> <li>▪ can decrypt Sender's signature</li> <li>▪ validate that decrypted XML document's Sender information matches the Sender's digital signature</li> <li>▪ NOTE: The Recipient's portion may be done via e-mail messages with the decryption occurring off-line to validate the public key exchange has been successful. E-mail messages should be sent a minimum of two times per day during business hours (proposed 11:30am and 4:00pm).</li> </ul> |                                 |
| <b>NEXT MEETING</b>          |   |                                 |
|                              |   | <b>Action Items &amp; Prime</b> |
| 1. Time and place and agenda | <ul style="list-style-type: none"> <li>• post-April 10, 2006 (date and place to be confirmed)</li> <li>• Review test results</li> <li>• Review changes to Draft Protocol</li> <li>• Review Appendix D of Draft Protocol</li> <li>• Discuss inclusion of SOPE</li> </ul>   | Russ to confirm                 |

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## ATTACHMENT – TEST XML

### Test XML Sample



```
<?xml version="1.0" encoding="UTF-8"?>
<PIPEDocument>
  <MarketParticipantDirectory>
    <Sender>
      <MarketParticipant>
        B2B.MarketParticipantA.com
      </MarketParticipant>
    </Sender>
    <Recipient>
      <MarketParticipant>
        B2B.MarketParticipantB.com
      </MarketParticipant>
    </Recipient>
  </MarketParticipantDirectory>
</PIPEDocument>
```

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