JSON Task Force Meeting

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| **Meeting Date: 11/06/2017** | **Time: 1:00 PM ET** |  | **Conferencing Tool: WebEx** |
| **Conference Call: 319-205-5513 Pass Code: 952016#** | | | |
| **Chair: Michael Morris** | | | |
| **Attendees: Jeff Elliott, Mei Hung, Jim Kelly, Michael Morris, Michael Sessa, Susan McCrackin, Steve Margenau, John Lovell** | | | |
| **Purpose: To plan and recommend PESC strategy for using JSON for data exchange** | | | |

***Next Meeting Agenda:***

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| **Topic #** | **Description** |
|  | Continue looking at XML features to determine if changes are needed:   * Namespaces * xs:list * XML schema numeric types and numeric text (when numbers and when strings) * XML Schema data types: No date type in JSON. Is ISO 8601 subset format appropriate? * Entities * XML comments (<!--comment-->) * XML processing instructions |

***Decisions:***

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| **#** | **Decision** |
|  | xml:lang as recommended by the TAB does not fit our no attribute rule so we need to consider alternatives for identifying foreign language element values. |
|  | PESC needs to re-think its approach to Object relationships to avoid too dep |

***Action Items:***

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| **#** | **Action Items From This Meeting** | **Due Date** | **Person** | **Status** |
|  | Get speaker for JSON-LD presentation |  | John Lovell | In progress |
|  | Need to set up a presentation recording of David since he is in Asia and is not available at meeting time | 10/2/2017 | Michael Morris | On Hold |
|  | Clarify that SPEEDE server must use EDI Header information even if payload is XML or JSON. | 9/18/2017 | Jeff Elliott | In progress |
|  | Send note to ERUG on no attribute rule. | 11/6/2017 | Michael Morris | Done |

***Discussion:***

| **Topic #** | **Description** |
| --- | --- |
|  | Michael Sessa discussed the plan for a technical PESC meeting in SFO on the 16th and 17th of January. |
|  | Since PESC does not have a formal model for linking objects and most of our object relationships are modelled using containment and hierarchy, attributes for reference using XML ID, IDREF, and IDREFS types have not been used. However, this leads to deeply embedded structures that may not accommodate JSON programmers. |
|  | We discussed the tradeoffs with micro-service responses vs larger payloads when propagation times are long (e.g., satellite). John L. explained how JSON programmers preferred parsing JSON that was not too deeply embedded. We discussed how PESC could address this issue. We discussed the trend for web APIs to provide URLs in responses so that a new request could directly reference other service end points without manipulating the URL to help assemble complete sets of data. |