**SAWG Telecon Notes – Monday, 7 Nov 16, @ 0700 Pacific**

Attendees: Huang Yonghui, Ramon Krosley, Lyu Lianqing, Peter Shames, Christian Stangl, Roger Thompson

**Next Telecon Thurs, 1 Dec 16 @ 0700 PST, 1500 UTC, 1600 CET, 2200 China**

1. Agenda review
2. Green Book Outline discussion
3. MOIMS materials revisions (but not data archive)

Agenda for 7 Nov telecon:

* Meeting follow-up and Agenda topic review – 5 mins
* Review SOIS EDS materials – 90 mins
* Discuss SOIS EDS & MOIMS MAL – 20 mins
* Wrap up – 5 mins

Meeting materials are in CWE folder:

http://cwe.ccsds.org/sea/docs/Forms/AllItems.aspx?RootFolder=%2fsea%2fdocs%2fSEA-SA%2fMeeting%20Materials%2f2016%2f2016%20Telecon%20Materials&FolderCTID=&View={50B434A7-BB62-4E03-A971-45271E7C0B86}

**Meeting follow-up**

- The CMC approved the SAWG Application and Support Layer Green Book approach, we have the go-ahead to proceed and the resources

- The CMC approve the “Silver-izing” of several SOIS Magenta Books, this simplified our task, but also complicates it because of the relative prominence of the EDS in the new plans

**SOIS Electronic Data Sheet (EDS) - Ray Krosley**

Features:

* Ray present the set of EDS materials he produced
* It appears that there are two NASA projects experimenting with using the EDS Schema, one at GRC (component device driver generation) and one at JSC (deterministic network spec)
* The EDS types now include: syntax, semantics, namespaces, component interfaces, parameters, and behavior (states and activities)
* Work is progressing on the ability to use the EDS to describe assemblages of components, as in a vehicle manifest and/or mission database
* Components, definitions, and terminology are modular and re-usable
* The Dictionary of Terms (DoT) is used to define re-usable terms and also as the extension mechanism for new terms, as needed
* They have adopted the UML XMI representations of activities and state machines as the means to describe behavior of devices of components

Issues:

* They are still in the process of removing references to DAS, DVS, DES and these cause some confusions in the XML schema
* It because apparent that there are some “well known” assumptions in the schema that assume knowledge of implied, but unstated, relationships having to do with type, semantics, and ordering of elements.
* RK agreed that this may be somewhat confusing and needs to be better specified
* The handling of vehicle manifests and of relationships among components defined in different EDS instances is still being worked out
* ***=> RK to try and provide more information on this topic in the coming weeks***

**MOIMS / SOIS Overlaps**

- Discussed the current understanding of MOIMS / SOIS overlaps, particularly EDS & MAL descriptions of services

- Recognize that this is an issue that needs further, in depth, analysis

- It is understood that Richard Melvin and Sam Cooper are in the best position to be doing this, but it is unclear that they have the direction and funding to carry it out

***=> PS to contact them and discover the situation (Richard, Sam, and Marek)***

- Discussed whether there is a need to have a standard means of describing functional behavior, ala the SOIS EDS activity / state machine specs or whether the MAL interaction patterns are all that is needed. There is a difference of opinion about whether such functional behavior descriptions, aside from protocol exchanges at the interface, are useful and no firm conclusion was reached.

**Future Meetings**

- PS: Green Book outline to be provided before the next telecom, for review. There are some obvious challenges in that the two bodies of standards have very different foci.

- RT: Due to schedule issues data archive materials are likely to only be available after the next telecon