

CESG Spring 2015: items brought to attention of the CMC

CESG Area / WG Overlaps

- **Overlap spread-sheet updated**
 - **Solved**
 - **File transfer**
 - **Wireless vs RFM**
 - **TLM, CMD, RNG services (CSS – MOIMS Agreement)**
 - **Open**
 - **MOC v TTC Network Planning v SSI Planning**
 - **Future Issue. To be co-ordinated between SIS/SEA/CSS/MOIS**
 - **Monitor and Control Recommendations: Spacecraft vs TTC Network**
 - **Future Issue. To be co-ordinated between SIS/SEA/CSS/MOIS**
 - **Architectures vs reference models**
 - **Normal Work - To be addressed in the future Ref Arch WG**
 - **Time Series representations**
 - **Open. Timeline is still a BoF**

Wiki Forum Approach

- Goal is to have a forum where “outside users” (i.e our mission customers) can get WG technical support (CCSDS issues, questions, suggestions for optimisation, etc.) from the experts
 - For every Forum a moderator is needed, regularly updating it
 - Wiki governance has to be agreed
- Survey feedback
 - Wiki shall not duplicate material (CWE, Blog, Wiki, etc.), it shall be updated regularly
 - Does it already exist a SW Q&A package? Will it include FAQs?
 - Support can be onerous (Resources!!!!), but time well spent
 - Great value added if CCSDS provides also a validated implementation and a test bed granting interoperability
 - Different quality and depth across all Wikis (being maintained by different moderators). Common part to be agreed
 - Wikis shall be highly collaborative / truly interactive, with content potentially provided by everyone who has access to them. Is this the case?
 - Wiki should contain (accessible to external users)
 - Presentation material, Conferences papers, Training material, relevant studies performed, SW prototypes pointers, etc.
 - Lack of frequently Outreach Press Releases
- **CESG DECISION**
 - **CESG does not support it. It is impracticable at the present time.**
 - **Leave DTN wiki “as a canary”**

Cloud Based Interoperability

- The CESG has selected as best candidate the SLDS (Space Link Data Security) Extended procedures for a cloud based approach for interoperability testing. This choice is very useful for testing of security solutions at several levels because it removes the need for establishing what amount to "controlled security holes" in various firewalls in order to do testing. This, in itself, should lower the barrier to testing.
- By running this pilot project several current concerns will be addressed:
 - Readiness of prototype SW for a cloud type license
 - cloud resources and its potential performance implications
 - cloud vendors and potential restrictions to work with all CCSDS Agencies
 - Use cases and potential fit for cloud computing
 - Feasibility of an open source repository



Expert Group

- SEA recommends definition of an new CCSDS entity called an "Expert Group", with the following characteristics:
 - Created at request of a WG, SIG, Area, or the CESG itself
 - Creation is approved by the CESG
 - Role is to provide long term curation or management for one or more registries
 - Registries are managed in the SANA, the Expert Group supports SANA operations of the registry as stated in CCSSDS 315x1y0
 - Membership and chair proposed by the creating group and approved by the CESG
 - Membership is required to have expertise in the technical topic that is the subject of the registry
 - Expert Group may be disbanded by the CESG
- There are not expected to be a lot of these Expert Groups and they will be regulated by the CESG. It is expected that any Expert Group will operate using electronic communications such as email or the occasional telecons, as needed. These Expert Groups are not intended to require significant resources nor meeting rooms at bi-annual meetings. The creation and operation of any Expert Group may be described in a charter, but this is TBD.
- **CESG has endorsed the following**
 - **It is a SANA Governance issue, SEA AD to update SANA YB and review it with SSG and CESG**

Missing WG Co-chairs and AD/DAD as WG Chair



CCSDS WG Chairs / Co-Chairs	ASI	CSA	CNES	CNSA	DLR	ESA	FSA	INPE	JAXA	NASA	UKSA	No Co-Chair
Systems Engineering Area									DAD	AD		
D-DOR WG						C						No Co
Security WG										C		No Co
Mission Ops and Info Mgt Svcs Area			DAD			AD						
Navigation WG						DC				C		
Spacecraft Monitor & Control WG						DC				C		
Telerobotics WG										C		No Co
DAI WG			C								DC	
Cross Support Services Area						DAD				AD		
Service Management WG						DC				C		
Cross Support Transfer Services WG			DC			C						
Spacecraft Onboard I/F Svcs Area						AD				DAD		
Application Support Services WG										C	DC	
Wireless WG							DC			C		
Space Link Services Area			DAD			AD						
Space Link Code/Sync WG						C						No Co
Space Link Protocols WG										C		No Co
RF Modulation WG						C				DC		
Space Data Link Layer Security WG			C							DC		
Optical Communication WG						DC				C		
Multispectral & Hyperspectral Data Compression WG										C/DC		
Space Internetworking Services Area					DAD					AD		
CFDP Refresh										C		No Co
Motion Imagery & Applications WG					DC					C		
Voice WG					C		DC					
DTN WG										C		No Co
Number of WG "C"(Chair) or "Co" (C0-Chair)	0	0	5	0	3	12	2	0	2	19	2	45

SEA AD to decide
If DC are needed



MOIMS AD is looking
A TEL DC

SLS AD informed
CESG that no DCs
are needed

SIS AD is looking
For WG DCs

CESG Other Issues

- **SANA Registries**

- Existing registries show some overlaps, gaps, and confusions.
- There are two or three different sets of **"Common XML schema"** 
- There is little in the form of guidance to agencies, areas, working groups or SANA as to what we expect of them.
- **SEA AD will update the SANA YB to reflect the new registry procedures and make the book more procedural in nature** 

- **CCSDS Terminology / Glossary**

- **CESG wants**
 - to preserve terms, but clean them up
 - Publication YB to be updated including a glossary review with updates every 5 years
 - To allow multiple definitions with identifiers
- **CESG will further analyse it during the next webexs**

CESG Other Issues

- **New Excel Table with CESG Participation will be instantiated**

	Spring 15	Webex 1	Webex 2	Fall 15	Webex 3
NP					
WT					
PS					
HT					
MM					
BB					
EB					
MdG					
MS					
RB					
GP					
GM					
KS					
TDC					

How about also recording CESG voting patterns? I believe that a lot of ADs always vote “Abstain” or “Approve unconditionally”, even for documents with many obvious issues. The issue is not just if they show up, but also how they carry out their duties.

- **It will help to monitor participation and avoid past situations**
- **Date CESG Webex 1 on 1st June 2015**