**CCSDS Engineering Steering Group (CESG)**

**Fall 2017 Meeting: Friday, 10th November 2017 ESA/ESTEC, Netherlands**

**Attendees: MdG, BB, WT, PS, HT, SB, JW, GM, MM, GPC, NP, TG, XH,**

**Absent: TdC, EB**

|  |  |
| --- | --- |
| **CESG Discussion on SLS Area Issues** **from the past week**C&S WG new work item for CCSDS 131.0-B has been discussed and there are multiple issues. One is that the proposed MB really must be a Utilization Profile style BB and that this proposed solution is overkill to fix an editorial issue. Further discussions / options are needed within the WG, Area and CESG.RFM and C&S WGs recommended not to produce the draft ACM. GPC will send to the CESG additional detailsPoll is needed to retire CCSDS 131.4-M-1, TM Channel Coding Profiles (Magenta Book, Issue 1, July 2011)CESG approves to reconfirm SLP WG CCSDS 702.1-B-1, IP over CCSDS Space Links (Blue Book, Issue 1, September 2012)CESG agrees with the approach of the MHDC WG to change the title and number of the current project Low-Complexity Near-Lossless Multispectral & Hyperspectral Image Compression including also Issue 2 of 123.0-B-1 There were issues raised with the proposal to require a new, and unprecedented, Blue Book (utilization profile) for forward AOS over TM Sync and Channel Coding instead of just re-inserting the relevant text from the original TM Channel Coding document that explicitly permitted this.**CESG Discussion on SOIS Area Issues from the past week**No issue**CESG Discussion on SIS Area Issues from the past week**MIA WG will not meet in S17 at Gaithersburg due to schedule conflicts. WG will meet the week after in Huntsville, USADTN WG proposes to retire CCSDS 740.0-G-1, Mars Mission Protocol Profiles—Purpose and Rationale (Green Book, Issue 1, July 2008). A poll is needed.**CESG Discussion on CSS Area Issues from the past week** Draft Projects to be produced for Forward / Return CFDP File **CESG Discussion on MOIMS Area Issues from the past week**Comments raised by SEA AD on the lack of even a well described abstract DAI WG Architecture were recognized, but the CESG chose to give them time to mature their concept. NAV HW Message to be demoted to Draft project**CESG Discussion on SEA Area Issues from the past week**SEC WG raised the issue that security is totally absent in the IOAG Service Catalogs except for the presence of SDLS. CESG agrees with this assessment.SA WG raised issue with schedule impacts from members with dual roles and the rate of progress being made on the SOIS architecture.CESG approved the reconfirmation of the CCSDS 352.0-B-1, CCSDS Cryptographic Algorithms (Blue Book, Issue 1, November 2012) and the CCSDS 351.0-M-1, Security Architecture for Space Data Systems (Magenta Book, Issue 1, November 2012)SANA Steering Group (SSG) recommends that the access to the Service Site and Aperture (SSA) registry be opened up. A request is to be made to the IOAG, source of the RF Asset information, to allow open access to at least a part of that information in the SSA. | GPC to send CESG a detailed justification for not implementing ACM MB  |
| **Logistics for CESG / CMC meeting in ESA/ESOC, Germany**The CESG presentation to CMC will be held on Monday 13th November 2017 from 09:30 – 12:30 hrs (CET)i.e, 03:30 – 06:30 hrs ESTi.e . 00:30 – 03:30 hrs PSTRecommendation for area sequence is as followsSEA 09:30 – 10:00 hrsCSS 10:00 – 10:30 hrs SIS 10:30 - 11:00 hrsMOIMS 11:00 – 11:30 hrsSLS 11:30 – 12:00 hrsSOIS 12:00 – 12:30 hrs  |  |
| **IOAG liaison change + Updated IOAG Service Catalogue #1 and #2 + ICPA**CESG has discussed the change of the CCSDS liaison to IOAG, without achieving consensus. CESG has also observed that the on-going poll is misleading in its text.Following options have been discussed:1. To continue with the current status, i.e. CESG Chair is the liaison to the IOAG
2. To have a dual liaison with the CMC Chair leading the strategical and the CESG Chair leading the technical aspects

All Area inputs of SCs will be consolidated in the charts to be presented to the CMC |  |
| **SOIS / SIS Area Future**SIS and SOIS presented their view on its future. CESG has commented on the charts and they have been updated. Both areas have significant areas of future work and it was acknowledged that the skill set and expertise needed in these two areas (network protocols and real time systems) is unique and distinct from that in the other areas. |  |
|  **CESG Poll conditions not yet solved**CESG Chair made an assessment of the conditions raised on all CESG polls since May 2017.The following findings were done:1. **Release for Publication**

There are no issues in general, and only exceptions when conditions were raised. The quality of all books was improved in the last years.CTE notes that some WG books submitted for publication were updated based on other versions of the document and not using the RB master book (Word Version) checked by him before the Review. CTE will deliver also the master copy with changed bars. This is inefficient and makes added work for the CTE to track changes across multiple versions.CCSDS does not have a list of Technical Editors for all books at work.CTE to ask all WG Chairs to provide him all the materials specified in the YB (for RBs and BBs) plus the name of the book Technical Editor.1. **Release for Agency Review**

CESG has agreed the followingPIDs shall be raised for major issues or showstoppers. Editorials / minor issues may be delivered in a pdf and be dealt with during Agency Reviews (WG chairs may have to generate the corresponding RIDs). It was discussed that the real source of problems lies not with the CESG review, but with the quality of documents being submitted by WG and Area to the CESG. |  CTE to send mail to all WG chairs reminding them to include the name of the TE when delivering a RB / BB |
| **CTE Document Queue**CTE will upload the Document Queue on a monthly basi**s.** |  |
| **Documents with due date for R/U/S**The following update has been extracted from the Area reports and will be presented to the CMC |  |
| **Projects with disproportionate delays**The list with its justifications is shown below |  |
| **Mailing List and mapping to CWE login accounts** It is a CMC problem with a strong NASA need.CMC to confirm that a staff sponsored by a member Agency can get a CWE login account even if not participating at any meeting.No rule for how the WG files information in the public or private CWE |  |