**CCSDS CMC Spring 2025 Meeting Minutes**

**17-18 June 2025**

**Laurel, MD**

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| **CESG/CMC Joint Meeting – Tues, 17 June** | | |
| 1300 | 1. Call to Order - Welcome, Opening Remarks    1. Officially Welcome Daniel Fischer (ESA), CESG Chair | S. Asmar |
| 1305 | 1. Introduction of Delegates | Representatives |
| 1310 | 1. Agenda Review and Approval | S. Asmar |
| 1330 | 1. CESG and Area Reports (30 min per Area Report)    1. CESG Chair Introduction & Report    2. Systems Engineering Area Report    3. Cross Support Services Area Report   15 min - Coffee Break   * 1. Space Link Services Area Report   2. Spacecraft Onboard Interface Services Area Report   3. Space Internetworking Services Area Report   4. Mission Operations and Information Management Services Area Report   5. Summary | D. Fischer  & Area Directors |
| 1400 | 1. CESG Report on poll statistics, status of activities, and any other topics of interest to CMC 2. Review CMC Day 2 Meeting Agenda | D. Fischer   CMC Members |
| 1630 | Adjourn |  |

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| **CMC Meeting – Wed, 18 June** | | |
| 0900 | 1. Call to Order - Welcome, Opening Remarks   CMC Attendees: Sami Asmar (NASA-JPL) Mariella Spada (ESA), Yonghui Huang (CNSA) - online, Sylvain Teodomante (CNES), Hiroshi Takeuchi (JAXA) – online, Dmitri Barannikov (Rosmoscosmos), Mauricio Ferreira (INPE), Dorothea Richter (DLR), Joshua Brayford (UKSA),  CESG: Daniel Fischer (ESA), Tim Pham (NASA-JPL), Erik Barkley (NASA-JPL), Clemens Heese (ESA), Simon Singh (NASA), Vinny Ristovski (NASA) online  Shannon Rodriguez (NASA) | S. Asmar |
| 905 | 1. Agency Updates – informal updates from each CMC Member   ESA – MS reported that ESA is preparing their next meeting at Ministerial level planned for November 2025. At this meeting the funding for programmes, current and new, will be decided for the period of 2026-2029. She mentioned some pressure on the standardization budget. The Ministerial results and implications will only be known in 2026.  INPE – MF reported facing budget cuts despite upcoming missions and geo-satellite, also effects to staffing due to budget/hiring freeze. Using CCSDS protocols for ongoing missions.  DLR – DR reported there are Newman Space activities involved with NASA projects, uncertainty due to NASA budget/staffing cuts. Indefinite amount of work contrasting staffing needs.  UKSA – JB reported while there have been positive turning points many have been countered by the budgeting/staffing issues of other agencies. Has own funding for projects secured, projects/missions are prioritized. Contracting 4 more national missions. Lobbying for new standards within contracts. Variety of missions – manufacturing orbital removal. Continuing to send staff to develop standards.  CNES – ST reported there have been executive changes that have resulted in reduction of budget 20%, standardization is a major strategy for CNES, working with ECSS to maintain standards. Reduction of projects overall.  JAXA – HT reported there haven’t been major issues, there has been a gradual reduction in budget but no larger changes. Ongoing standardization efforts and mission related activities, joined w NASA/DLR projects so concerned about what is happening there. DTN efforts are still progressing.  CNSA – YH reported that CNSA is continuing to use CCSDS standards within missions, hoping to make more future contributions. Due to conflict, cannot travel to US for meetings. Translation of CCSDS standards to Mandarin. Standards are in ISO queue – translated standards. Hoping to share summaries of standards efforts.  RSS – DB reported there are many lunar projects occurring, continuing to translate/prepare CCSDS standards to Russian and make available to community, interested in further developments. | CMC Members |
| 930 | 1. ISO SC 13 / SC 14 – official ISO SC 13 minutes to be attached.   List of unpublished documents to review  Action to setup meeting between technical editors, David Giaretta, Jim Lux, and others to begin review of what needs to be transferred over to ISO   1. Resolution Review – no resolutions to review today | S. Asmar/D. Giaretta/A. Massaquoi |
| 1100 | 1. IOAG Liaison Informal Report   NASA scrutinizing IOAG budget as well as CCSDS budget. Lacking direct budget so many often use their own funding. Interop requirements come from IOAG relationship. IOAG Plenary planned for July – Cologne, GE.   1. Yellow Book Developments   Tiger Team will be developing better best practices for entire setup of CCSDS in order to make us more effective and efficient. Proposals due week before Fall Meetings, to be reviewed by CESG and thus produced in the weeks to follow. TT includes Matt Cosby, Jim Lux, and Clemens Heese. Organizational processes to be refined and further developed.   1. Lunar Interoperability Forum Path Forward   Follow up event to LunaNet Interop Forum in May 2022, there is a proposal to host a (Solar) Lunar Interop Forum on the first day of Fall 2025 Technical Plenary in Hamburg. This event will be more of a deep dive and consortium of more technical, industrial parties as well as related WGs, feedback/perspectives to garnered from event. Solar Sys/Mars instead of Lunar focused. Moreso workshop agenda than forum to include related-WGs kicking off technical plenary week. Industry and program buy-in.  Shortened opening activities to shift focus toward workshop. Concept paper is being drafted by CESG Chair and CCSDS Chair. | S. Asmar  S. Asmar/ D. Fischer/C. Heese |
| 1330 | 1. CMC Chair Report & Special Topics/Discussion   6.1 CMC Vacancies and path forward  - ASI Massimo Calabrese – has not been participating, however, says he is still interested in representing Italy within CMC; S. Asmar will contact them.  - CSA – Siamak Tafazoli (sp?) has been repositioned into another role away from CCSDS, awaiting replacement   * KARI, one of CCSDS’ newest member agencies, does not have a CMC representative * KASA invited to officially join CCSDS * Other agencies to consider for invitation:   Australia, Israel, UAE, India, S. Africa  \*\*\*Suggestion to review observer agencies prior to new invitations. (DF) | S. Asmar |
|  | 1. CCSDS Meeting Planning    * Fall 2025 Tech Plenary & CMC (Hamburg, Germany) 15-19 Sept, 22-23 CESG, 23-24 CMC (joint meeting to occur 23 Sept) – website now updated to show actual dates. Timely updates on website for meeting dates suggested by DR, to avoid possible conflicts for booking travel.    * Spring 2026 Tech Plenary & CMC (University of Hawaii) – Honolulu, HI (*proposed*); possible workaround for possible lack of in person attendance in HI, would be to host Tech Plenary via mainland, and only CMC hosted from HI.    * Fall 2026 Tech Plenary & CMC (TBD) – to be determined; if not ASI, then DLR would be next to host meeting activities. Topic to be revisited at CMC Mid Term telecon.   Action: Mariella to contact ASI and ask about CCSDS participation/involvement/hosting requirements.   * + Spring 2027 Tech Plenary – (TBD) – to be determined   + Spring 2027 CMC (TBD) – to be determined   + Fall 2027 Tech Plenary & CMC (TBD) – to be determined | A.Massaquoi/S.Asmar/  D. Fischer |
|  | 1. Secretariat Report    1. Action Items Status    2. IT Project Status | A. Massaquoi  B. Oliver |
|  | 1. CMC Review of Resolutions and Action Items | All |
|  | 1. Schedule for next CMC Mid-Term Telecon  * No telecon needed since scheduling | All |
|  | 1. Additional Topic   Lack of Attendance in certain Working Groups  Suggest there is a review of productive working groups vs lack of participation within working groups.  Action – review active working groups and those whom are not as active, closing some of them or characterizing as dormant according to charter(s).  Limited participation and completion of de facto charter objectives are criteria for reviewing relevance of working groups.  Should there be a minimum criterion added to Yellow Book revamp? | J. Brayford |
| ~1330 | Adjourn |  |