**CCSDS Engineering Steering Group Minutes**

**7 June 2022, 14:00-16:00 UTC  
8 June 2022, 14:00-18:00 UTC**

**Remote Meeting (Teams)**

UTC: 1400

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| Los Angeles: | 0700 | São Jose dos Campos: | 1100 | Moscow: | 1700 |
| Montreal: | 1000 | London: | 1500 | Beijing: | 2200 |
| Washington, DC: | 1000 | Central Europe: | 1600 | Tokyo: | 2300 |

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| **CESG Meeting – Tuesday, 7 June 2022** | | | **Action Item** |
| 1400 UTC | 1. Call to Order - Welcome, Opening Remarks The meeting was called to order and the participants were greeted by CESG chair. | K.-J. Schulz |  |
| 1405 | 1. Roll Call   ☑ Klaus-Juergen Schulz (CESG Chair),  ☑ Timothy Pham (CESG Dep. Chair),  ☑ Tom Gannett (Chief Technical Editor),  □ Mario Merri (MOIMS Area Director) – not attending  R Marc Duhaze (MOIMS Dep. Area Director),  R Ignacio Aguilar Sánchez (SLS Area Director),  R Gilles Moury (SLS Dep. Area Director),  R Jonathan Wilmot (SOIS Area Director),  R Xiongwen He (SOIS Dep. Area Director)  R Erik Barkley (CSS Area Director),  □ Colin Haddow (CSS Dep. Area Director, retiring),  R Holger Dreihahn (CSS Dep. Area Director, new)  R Peter Shames (SEA Area Director),  □ Hiroshi Takeuchi (SEA Dep. Area Director),  R Tomaso de Cola (SIS Area Director),  □ Rodney Grubbs (SIS Dep. Area Director),  R Sami Asmar (CMC General Secretary, here: Observer). | All |  |
| 1410 | 1. Agenda Review and Approval – with 10 mins/presentation foreseen. | K.-J. Schulz |  |
| 1415 | 1. Status of Actions since Fall 2021 Meeting – as per Minutes of Meeting of Fall 2021 |  |  |
| 1420  1420  1445  1503  1525  1540  1555 | 1. Area Reports (10 min each) – uploaded to CWE Folder  * SIS Area report * MOIMS Area report * SLS Area report * SOIS Area report * CSS Area report * SEA Area report | T. de Cola  M. Duhaze  I. Aguilar  J. Wilmot  E. Barkley  P. Shames |  |
| -  1615 | 1. Agenda for Day 2 🡺 agenda item moved to Day 2   adjurn | CESG Chair/All |  |

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| **CESG Meeting – Wednesday, 8 June 2022** | | | **Action Item** |
| 1400 UTC | 1. Call to Order – Welcome / Opening Remarks | K.-J. Schulz |  |
| 1405 | 1. Roll Call   R Klaus-Juergen Schulz (CESG Chair),  R Timothy Pham (CESG Dep. Chair),  R Tom Gannett (Chief Technical Editor),  □ Mario Merri (MOIMS Area Director), R Marc Duhaze (MOIMS Dep.Area Director),  R Ignacio Aguilar Sánchez (SLS Area Director),  □ Gilles Moury (SLS Dep. Area Director),  R Jonathan Wilmot (SOIS Area Director),  R Xiongwen He (SOIS Dep. Area Director),  R Erik Barkley (CSS Area Director),  R Colin Haddow (CSS Dep. Area Director, retiring),  R Holger Dreihahn (CSS Dep. Area Director, new) R Peter Shames (SEA Area Director),  □ Hiroshi Takeuchi (SEA Dep. Area Director),  □ Tomaso de Cola (SIS Area Director),  □ Rodney Grubbs (SIS Dep. Area Director),  R Sami Asmar (CMC General Secretary, here: Observer, joint at  1435 UTC) | All |  |
| 1410 | 1. Agenda Review and Approval | K.-J. Schulz |  |
| 1420 | 1. Other Topics    1. Appointment of new CSSM WG Deputy Chair *The CESG confirms the appointment of Marcin Gnat, DLR*    2. Appointment of RFM WG Chair (D. Lee/NASA) *The CESG confirms the appointment of Denis Lee, NASA*    3. Appointment of RFM Deputy Chair (G. Sessler/ESA) *The CESG confirms the appointment of Gunther Sessler, ESA*    4. Formation of a Cloud Computing BOF in the CSS Area *The CESG recommends to start with a BOF under CSS lead for the development of the charter addressing for high rate SLE and CSTS data delivery and service management to interface into the cloud. The CESG recommends with lower priority a BOF in the SEA for a wider assessment of CCSDS adoption of cloud based service capabilities, including security, for other classes of CCSDS services, such as DTN.*    5. CCSDS success stories *The CESG requests CMC to create statistics by Space Agencies which mission infuse which CCSDS standards. The input structure shall be defined by the CCSDS secretariat (Michael Blackwood resp. his successor). The CCSDS secretariat is also requested to create a CWE folder where the member agencies can file success stories about infusion of CCSDS standards into flight projects.*    6. System management and configuration (FRM, EDS) analysis *The CESG encourages the SIS DTN working group to create the associated functional resources for the blue book pink sheets defining BP v7. Note: If this proves to be successful a systematic application to all protocol blue blooks might be considered.  SANA functional resource model extension (data unit) needs to be agreed.*    7. Magenta book 901.3 – Functional resource model *The CESG recommends not including the additional proposed text.  The CESG finds that the current scoping is adequate as it is limited to ESLT. The CESG recommends a further dedicated discussion on the scoping of MO Services*    8. CCSDS efficiency increase: Waiver for prototype *In accordance with the CCSDS organisation and processes document the granting of the waiver is possible subject to CESG approval.*    9. Terminology expert group *The CESG recommends a dedicated meeting. Peter will prepare the meeting.*    10. OpenISL (Inter Satellites Links) *The CESG recommends a dedicated meeting*. *Klaus-Juergen will invite to this meeting with topic “ISL”, including the CESG members, SIS attendees, (possibly on 5 July at 1600 CEDT, 2 hrs)*    11. Secure network and management *The CESG recommends to wait for the IOAG #25 minutes of meeting and to review the joint ESA/NASA presentation including the SEA attachment that has been provided.* | E. Barkley  I. Aguilar  I. Aguilar  E. Barkley  M. Duhaze  H. Dreihahn  E.Barkley/M.Duhaze  H. Dreihahn  P. Shames  I. Aguilar  P. Shames |  |
|  | 1. CESG topics identified on CESG Day 1 | K.-J. Schulz |  |
|  | 1. CMC Preparation    * *Klaus-Juergen will summarize the CESG discussion,  all in all 12 minutes will be given per area to present* | All |  |
|  | 1. AOB | All |  |
| - 1800 | 1. Minutes of Meeting and preparation of topics for the Report to the CMC   adjurn | CESG Chair/All |  |