



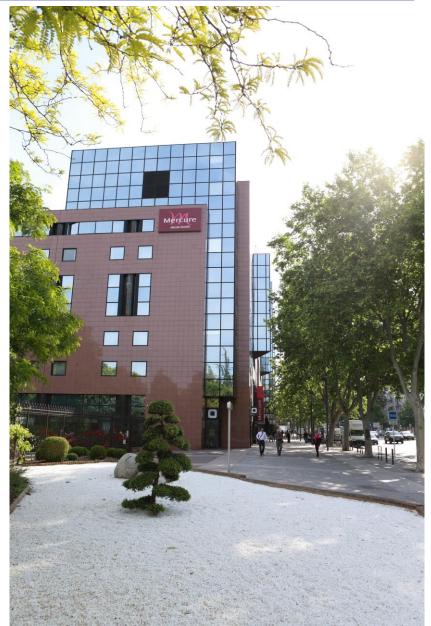
Upcoming Meetings – Fall 2021

Toulouse, France

Hosted by CNES at the Mercure Hotel

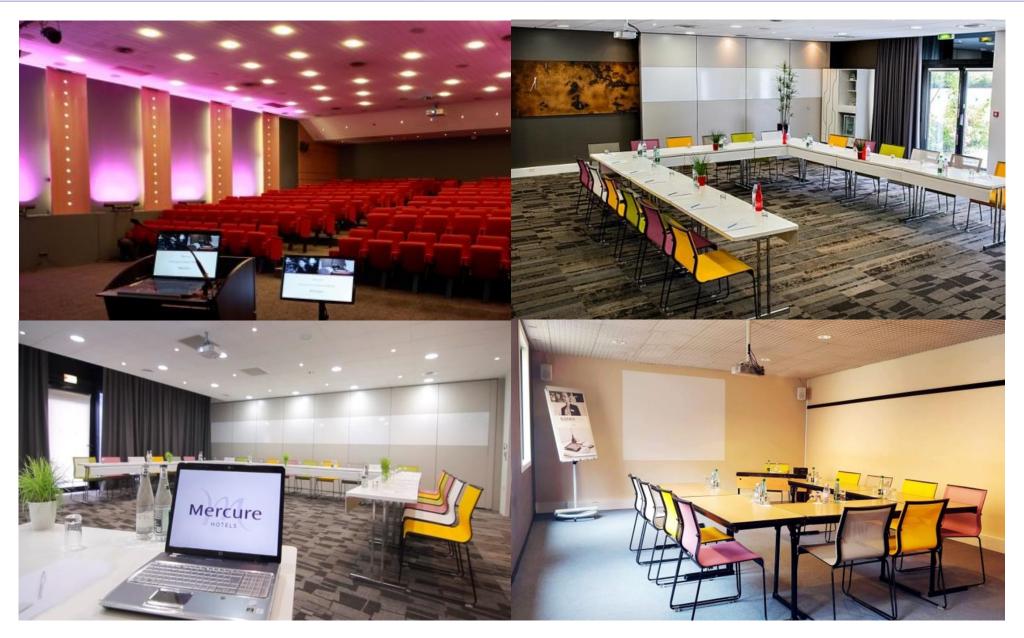
(with additional meeting rooms at the nearby Novotel)

- CCSDS Technical Meetings: 18 to 22 October 2021
 - CESG: 25 October 2021
- CESG+CMC and CMC/ISO meetings: 26 to 28 October 2021
- Registration will be required on the CCSDS web site. Participant badges will be available on site.
- WiFi is available in the hotel including meeting rooms.
- Coffee Breaks will be served in several areas between meeting rooms.
- Lunches will be served at the Mercure hotel: free of charge for registered participants with coupons distributed on registration day.
- Cocktail Receptions will be offered by CNES during both weeks: free of charge for registered participants with coupons distributed on registration day.





Upcoming Meetings – Fall 2021





- Hôtel Mercure Toulouse Centre Compans
- 4 Stars Hôtel 8 Espl. Compans Caffarelli, 31000 Toulouse
- Novotel Toulouse Centre Compans Caffarelli
- 4 Stars Hôtel 5 place Alfonse Jourdain, 31000 Toulouse
- Room rates (2020):
- Week days 110 € including breakfast
- Friday ~ Sunday 90 € including breakfast
- Public parking $13 \in / \text{day.}$

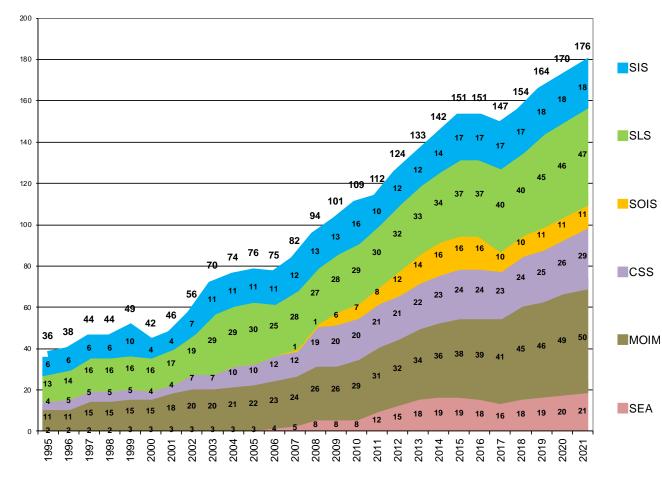


Future Meetings

Date	WG/CMC	Host	Location	Date	Comments
Fall 2021	WG/CESG	CNES	Toulouse, France	18-25 October 2021	5-Day
	CMC/SC13	CNES	Toulouse, France	26-28 October 2021	
Spring 2022	WG/CESG	NASA	Huntsville, Alabama, USA	9-13 May 2022	5-Day
	CMC/SC13	JAXA	Tokyo, Japan	TBD Date	
Fall 2022	WG/CESG	ESA	TBD, hosted by ESTEC	TBD Date	
	CMC/SC13	ESA	TBD	TBD Date	
Spring 2023	WG/CESG	NASA	USA Sao Jose dos Campos,	TBD Date	
	CMC/SC13	INPE	Brazil	TBD Date	
Fall 2023	WG/CESG	UKSA	USA	TBD Date	
	CMC/SC13	UKSA	TBD	TBD Date	
Spring 2024	WG/CESG	NASA	TBD	TBD Date	
	CMC/SC13	ROSCOSMOS	S TBD	TBD Date	
Fall 2024	WG/CESG	ESA	TBD	TBD Date	
	CMC/SC13	ESA	TBD	TBD Date	



Active Publications



Currently Active Publications: 176

Normative (Blue & Magenta): 113 Informative (Green): 63

Downloadable for free from <u>www.ccsds.org</u>

All major pubs since 1982: ~392 (Some were historical mission needs or superseded technologies)

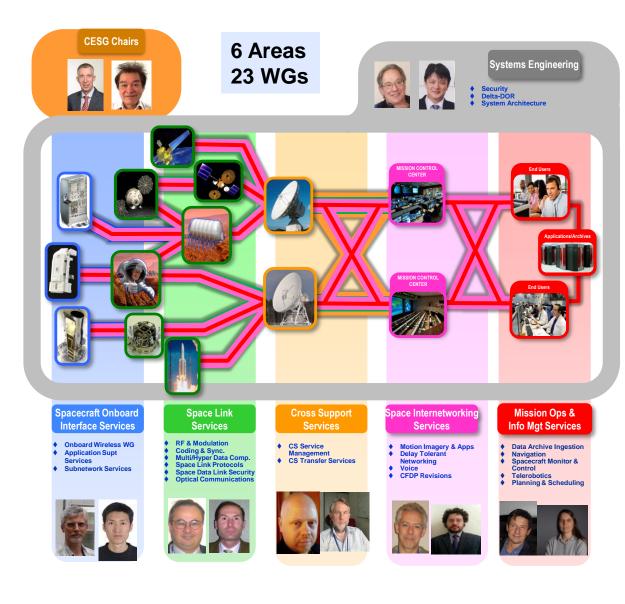


Members of the CESG

CESG Chair

Deputy

Deputy



SE Area Director	Peter Shames
<i>Deputy</i>	<i>Hiroshi Takeuchi</i>
MOIMS Area Director	Mario Merri
Deputy	<i>Marc Duhaz</i> e
CSS Area Director	Erik Barkley
Deputy	<i>Colin Haddow</i>
SLS Area Director	G-P Calzolari / <i>Nom.</i>
<i>Deputy</i>	Gilles Moury
SIS Area Director	Scott Burleigh / <i>Nom.</i>
<i>Deputy</i>	<i>Tomaso de Cola</i>
SOIS Area Director	J. Wilmot

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K.-J. Schulz

Wallace Tai / Nom.



Blue Books – Recommended Standards

- CCSDS 766.1-B-3, Digital Motion Imagery (Blue Book, Issue 3)
- CCSDS 922.3-B-1, Cross Support Transfer Service—Forward Frame Service (Blue Book, Issue 1)
- CCSDS 123.0-B-2 Cor. 3, Technical Corrigendum 3 to CCSDS 123.0-B-2, Issued February 2019
- CCSDS 401.0-B-31, Radio Frequency and Modulation Systems—Part 1: Earth Stations and Spacecraft (Blue Book, Issue 31)
- CCSDS 431.1-B-1, Variable Coded Modulation Protocol (Blue Book, Issue 1)
- CCSDS 921.1-B-2, Cross Support Transfer Service—Specification Framework (Blue Book, Issue 2)

Magenta Books – Recommended Practices

- CCSDS 902.12-M-1, Cross Support Service Management—Common Data Entities (Magenta Book, Issue 1)
- CCSDS 902.13-M-1, Abstract Event Definition (Magenta Book, Issue 1)

Orange Books

• None

Green Books – Informational Reports

• CCSDS 660.0-G-2, XML Telemetric and Command Exchange (XTCE) (Green Book, Issue 2)



Agency Review (split by B,M,G)

- CCSDS 131.3-P-1.1, CCSDS Space Link Protocols over ETSI DVB-S2 Standard (Pink Sheets, Issue 1.1)
- CCSDS 132.0-P-2.1, TM Space Data Link Protocol (Pink Sheets, Issue 2.1)
- CCSDS 232.0-P-3.1, TC Space Data Link Protocol (Pink Sheets, Issue 3.1)
- CCSDS 732.0-P-3.1, AOS Space Data Link Protocol (Proposed Pink Sheets, Issue 3.1)
- CCSDS 732.1-P-1.1, Unified Space Data Link Protocol (Pink Sheets, Issue 1.1)
- CCSDS 883.0-R-1, Spacecraft Onboard Interface Services—High Data Rate Wireless Proximity Network Communications (Red Book, Issue 1)
- CCSDS 401.0-P-31.1, Radio Frequency and Modulation Systems—Part 1: Earth Stations and Spacecraft (Red/Pink Sheets, Issue 31.1)



Approval of new Projects (1)

New Projects of the SEA Area

- Reference Architecture for Space Data Systems (RASDS), revision 2 Magenta Book
- Space Communication Cross Support Architecture Requirements Document, version 2 -Magenta Book

New Projects of the CSS Area

- SPACE LINK EXTENSION Space Link Extension Forward Space Packet Service Specification Issue 4 - Blue Book
- SPACE LINK EXTENSION— FORWARD CLTU SERVICE SPECIFICATION Issue 5 Blue Book
- SPACE LINK EXTENSION—RETURN ALL FRAMES SERVICE SPECIFICATION Issue 5 Blue Book
- SPACE LINK EXTENSION—RETURN CHANNEL FRAMES SERVICE SPECIFICATION Issue 4 -Blue Book
- SPACE LINK EXTENSION—RETURN OPERATIONAL CONTROL FIELDS SERVICE SPECIFICATION Issue 4 - Blue Book



Approval of new Projects (2)

New Projects of the SLS Area

- TC Space Data Link protocol, Issue 4 Blue Book
- Unified Space Data Link Protocol Blue Book Issue 2 Blue Book
- USLP Green Book Version 2 Green Book
- Image Data Compression Issue 3 Green Book

Other

SEA Charter Modification

New Appointments

- Appointment of New Chair for the Coding and Synchronization Working Group (SLS-C&S): Andrea Modenini (ESA)
- Approval a new Deputy WG Chair for SLS-OPT Working Group: Clemens Heese (ESA)
- Approval a new WG Chair & Deputy WG Chair for the Spacecraft Monitor & Control Working Group: WG Chair: Mehran Sarakati, Deputy WG Chair: Scott Reeves (NASA)
- Approval of a new WG Chair for DELTA-DIFFERENTIAL ONE WAY RANGING (DELTA-DOR): Javier de Vicente (ESA)



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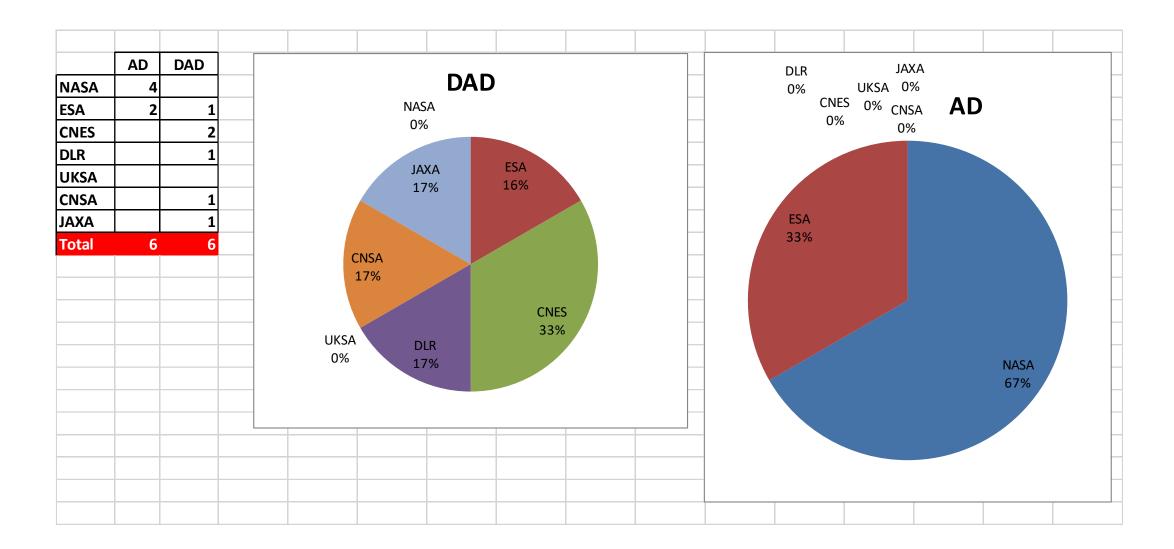
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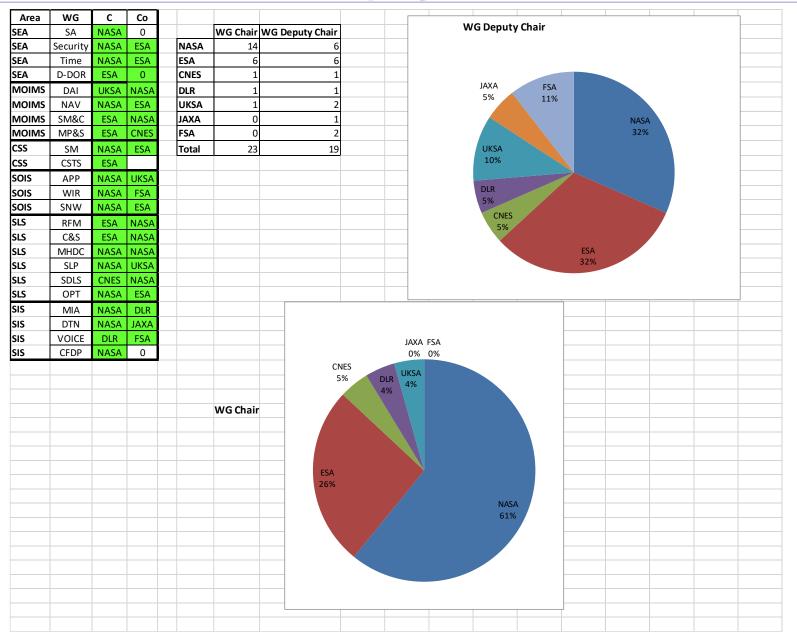


Area Directors / Area Directors Overview





WG Chair / Deputy Chair Overview





Working Group Agendas and Additional Resources

All information about the CCSDS Spring 2021 Meetings can be found on the CCSDS Public Website page: <u>https://public.ccsds.org/meetings/2021Spring/default.aspx</u>

Individual Working Group Agendas may be found on the CCSDS Public Website at: https://public.ccsds.org/meetings/2021Spring/2021SpringAgendas.aspx

To find contact information for each Area Director and Working Group Chair and request a meeting invitation visit the CWE at: <u>https://cwe.ccsds.org/default.aspx</u>.

If you have any questions about the meetings or require any other assistance, please let us know at <u>secretariat@mailman.ccsds.org</u>.



The Secretariat wishes to thank CNES for providing the information on the location of the Fall 2021 CCSDS Meetings.