



# Take me by the hand ...

**A gentle introduction to the CCSDS web site, Collaborative Work Environment (CWE) and Mailman mailing lists**

**Peter Shames**

**CCSDS Systems Engineering Area Director**

# CCSDS Website

<http://www.ccsds.org>

- This is the main CCSDS website, it is open to the public
- It provides open access to CCSDS publications, membership, and history
- There is a signup link for meeting attendance (requires sponsoring agency approval for actual participation)
- Provides access to the CCSDS org structure and public working materials in the Collaborative Work Environment (CWE)



The screenshot shows the CCSDS website homepage. At the top, there is a navigation bar with links: About, Publications, Review Documents, Meetings, Outreach, Participation, Implementations, and Search. Below this is a large banner with the CCSDS logo and the text "Advance." and "The Consultative Committee for Space Data Systems The Official Web Site".

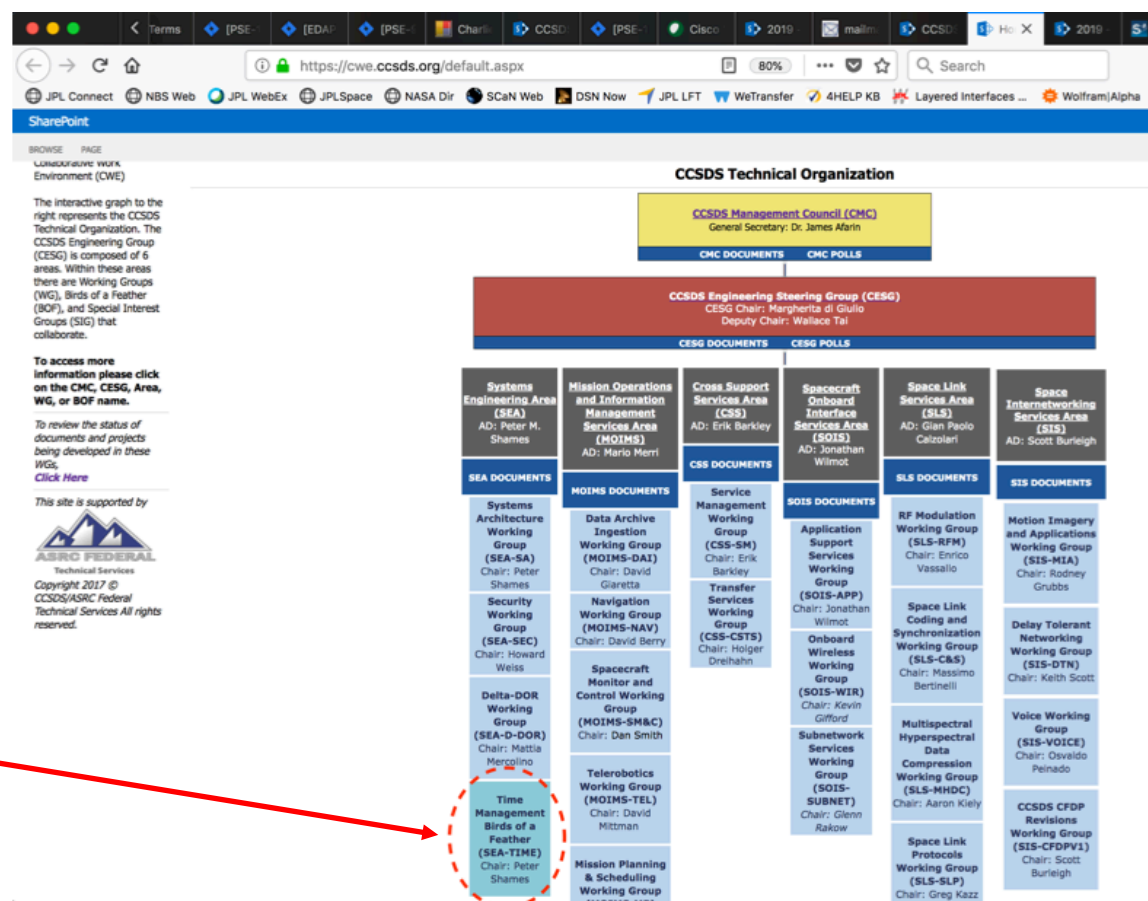
The main content area is divided into several sections:

- Headlines:**
  - 2019 Spring Meetings Registration (December 20, 2018)
  - 2018 Fall Meetings Information (August 6, 2018)
  - New Japanese CCSDS Website (May 02, 2017)
  - CCSDS Approves Conjunction Data Message Standard
  - Adrian Hooke Tribute
  - Recently Released Documents
  - CCSDS Press Releases
- Events:**
  - CCSDS Meetings
  - Conferences
- Number Assignments:**
  - Space Assigned Numbers Authority (SANA)
  - Spacecraft ID
  - Control Authority
- Related Organizations:**
  - Interagency Operations Advisory Group (IOAG)
  - ISO TC20/SC13 Subcommittee Contents

On the right side, there is a "Quick Links" section with a "Sign In here" link and a "CWE" (Collaborative Work Environment) link. Below this is a "Mailman" link and a "BLOG" link. At the bottom, there is a "FAQ" section and a row of logos for member organizations: ESA, CNES, DLR, ESA, JAXA, NASA, and IIV SPACE.

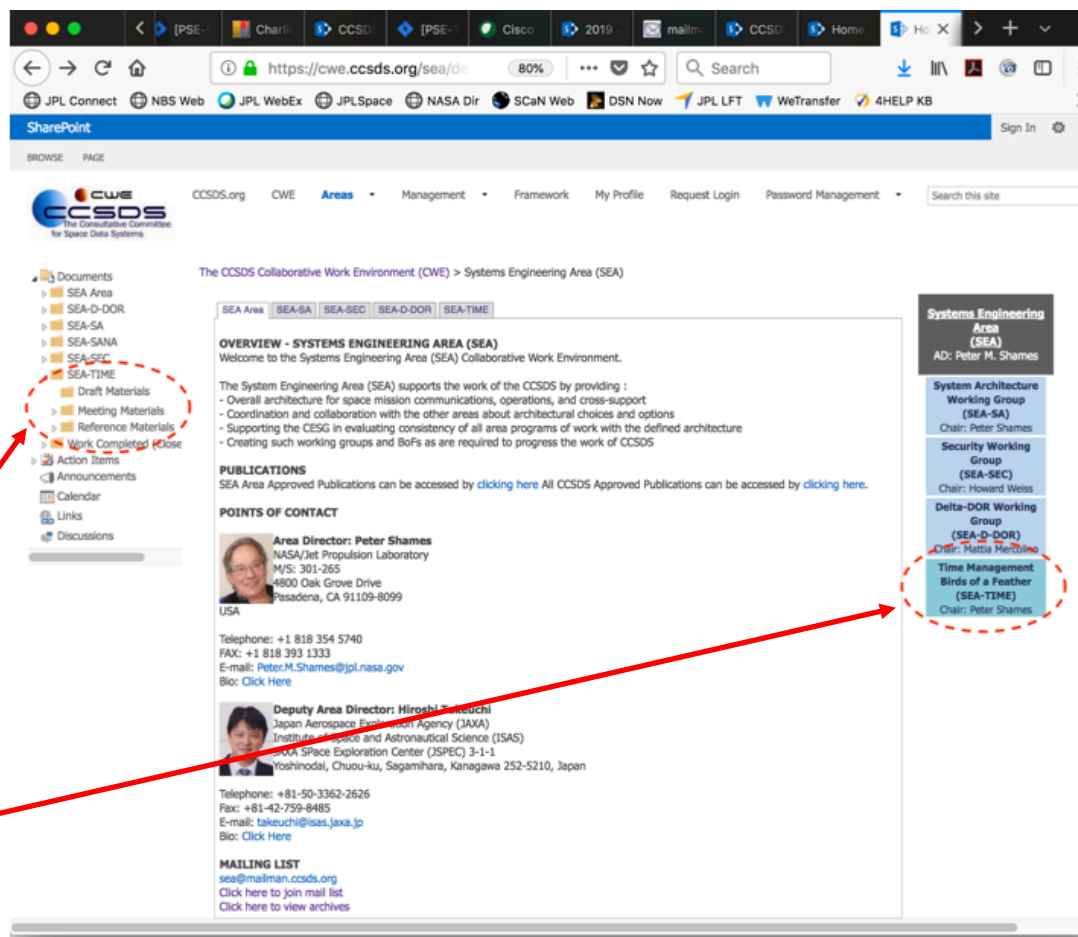
# CWE access to CCSDS Organization

- CWE link on CCSDS main page takes you here
- This is the CCSDS org structure and access to management and technical leadership
- All of the links are hot and will take you to pages for the working organizations
- This link takes you to the Systems Engineering Area (SEA) Time Management Birds of a Feather (BoF)



# Systems Engineering Area (SEA) – main

- SEA Area link on CWE main page takes you here
- This is the whole SEA organization and Working Group structure and access to technical documents
- All of the links are hot and will take you to pages for the materials developed in the working groups
- These links take you to the document folders for the Systems Engineering Area (SEA) Time Management Birds of a Feather (BoF)
- This link takes you to the SEA-TIME BoF CWE pages



The screenshot shows the CCSDS Systems Engineering Area (SEA) website. The left sidebar contains a navigation menu with links to Documents, SEA Area, SEA-D-DOR, SEA-SA, SEA-SANA, SEA-SEC, SEA-TIME, Draft Materials, Meeting Materials, Reference Materials, Work Completed, Action Items, Announcements, Calendar, Links, and Discussions. The main content area is titled "The CCSDS Collaborative Work Environment (CWE) > Systems Engineering Area (SEA)" and includes an overview, publications, and points of contact. The right sidebar lists the Systems Engineering Area (SEA) structure, including the System Architecture Working Group (SEA-SA), Security Working Group (SEA-SEC), Delta-DOR Working Group (SEA-D-DOR), and Time Management Birds of a Feather (SEA-TIME). Red arrows point from the list items to the corresponding links on the website.

**Documents**

- SEA Area
- SEA-D-DOR
- SEA-SA
- SEA-SANA
- SEA-SEC
- SEA-TIME
- Draft Materials
- Meeting Materials
- Reference Materials
- Work Completed
- Action Items
- Announcements
- Calendar
- Links
- Discussions

**The CCSDS Collaborative Work Environment (CWE) > Systems Engineering Area (SEA)**

**OVERVIEW - SYSTEMS ENGINEERING AREA (SEA)**  
Welcome to the Systems Engineering Area (SEA) Collaborative Work Environment.

The System Engineering Area (SEA) supports the work of the CCSDS by providing :

- Overall architecture for space mission communications, operations, and cross-support
- Coordination and collaboration with the other areas about architectural choices and options
- Supporting the CESG in evaluating consistency of all area programs of work with the defined architecture
- Creating such working groups and BoFs as are required to progress the work of CCSDS

**PUBLICATIONS**  
SEA Area Approved Publications can be accessed by [clicking here](#) All CCSDS Approved Publications can be accessed by [clicking here](#).

**POINTS OF CONTACT**

**Area Director: Peter Shames**  
NASA/Jet Propulsion Laboratory  
M/S: 301-265  
4800 Oak Grove Drive  
Pasadena, CA 91109-8099  
USA  
Telephone: +1 818 354 5740  
FAX: +1 818 393 1333  
E-mail: [Peter.M.Shames@jpl.nasa.gov](mailto:Peter.M.Shames@jpl.nasa.gov)  
Bio: [Click Here](#)

**Deputy Area Director: Hiroshi Takeuchi**  
Japan Aerospace Exploration Agency (JAXA)  
Institute of Space and Astronautical Science (ISAS)  
JAXA Space Exploration Center (JSP-EC) 3-1-1  
Yoshinodai, Chuo-ku, Sagami-hara, Kanagawa 252-5210, Japan  
Telephone: +81-50-3362-2626  
Fax: +81-42-759-8485  
E-mail: [takeuchi@isas.jaxa.jp](mailto:takeuchi@isas.jaxa.jp)  
Bio: [Click Here](#)

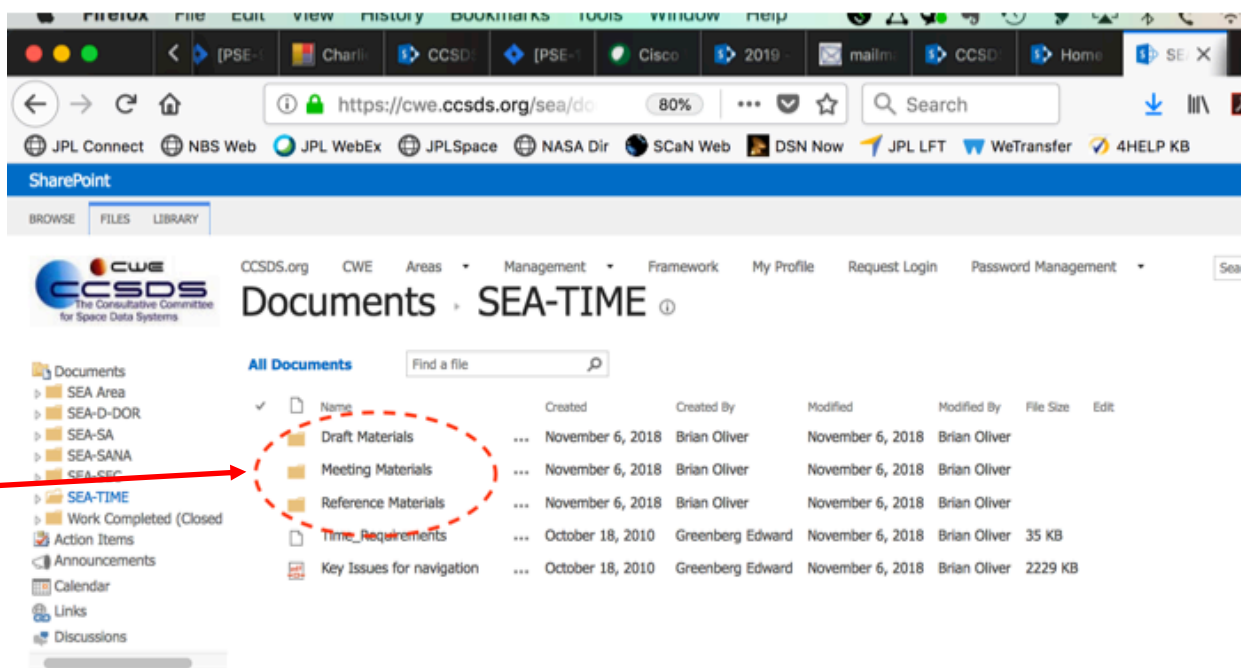
**MAILING LIST**  
[sea@malman.ccsds.org](mailto:sea@malman.ccsds.org)  
[Click here to join mail list](#)  
[Click here to view archives](#)

**Systems Engineering Area (SEA)**  
AD: Peter M. Shames

- System Architecture Working Group (SEA-SA)**  
Chair: Peter Shames
- Security Working Group (SEA-SEC)**  
Chair: Howard Weiss
- Delta-DOR Working Group (SEA-D-DOR)**  
Chair: Mattia Martone
- Time Management Birds of a Feather (SEA-TIME)**  
Chair: Peter Shames

# Systems Engineering Area (SEA) – Time BoF materials

- The document folders on the SEA Area link on the SEA-Time BoF take you here
- This is the whole set of folders for technical and reference documents
- All of the links are hot and will take you to pages for the materials developed in the working groups
- These links hold working drafts, meeting materials, and reference materials
- They are open to the public for reading, but there may also be private folders
- To access private WG folders, or to write into these folders, you must have CWE access





# Request CWE Access

- To request access to the CWE start at the CCSDS main page
- You need CWE access to:
  - Access private WG folders, or to
  - Write into these folders, or to
  - Register for CCSDS meetings
- This link will take you to the registration page
- Registration for CCSDS CWE access requires approval of the sponsoring agency
- Once you have a CWE login it may be entered on this page (See Sign In Here just above the CWE logo), or whenever prompted



The screenshot shows the CCSDS.org website. At the top, there is a navigation bar with links: About, Publications, Review Documents, Meetings, Outreach, Participation, Implementations, and Search. Below this is a large banner with the CCSDS logo and the text "Advance." and "The Consultative Committee for Space Data Systems The Official Web Site".

On the left side, there is a "Headlines" section with links to "2019 Spring Meetings Registration", "2018 Fall Meetings Information", "New Japanese CCSDS Website", "CCSDS Approves Conjunction Data Message Standard", "Adrian Hooke Tribute", "Recently Released Documents", and "CCSDS Press Releases". Below this is an "Events" section with links to "CCSDS Meetings" and "Conferences". Further down is a "Number Assignments" section with links to "Space Assigned Numbers Authority (SANA)", "Spacecraft ID", and "Control Authority". At the bottom of the left sidebar is a "Related Organizations" section with links to "Interagency Operations Advisory Group (IOAG)", "ISO TC20/SC13 Subcommittee Contents", and "Contents".

The main content area features a "Welcome to CCSDS.org" message, followed by a paragraph about the organization's history and mission. Below this is a section titled "Interested in CCSDS?" with a list of links: "Click 'Publications' above to visit the library of CCSDS standards.", "Click 'Review Documents' above to see what documents are currently under CCSDS agency review.", "Click 'CWE' (upper right) to see a map of working groups and access information to contact working group chairs.", "Need some CCSDS Overview material? Click Here", and "Questions you don't see answered on our website? Ask Here".

On the right side, there is a "Quick Links" section with a link to "Sign In here." and a "CWE" logo. Below this is a "Mailman" section with a link to "Sign up for mail lists in technical areas of your expertise. Then engage with Other experts and contribute!". At the bottom right, there is a "BLOG" section with a link to "The CCSDS Blog General Announcements" and an "FAQ" section with a link to "CCSDS FAQs".

A red line points from the "Sign In here." link in the Quick Links section to the "Sign In Here" link in the list of steps on the left.

# Request CCSDS Mailman Access

- To request access to the CCSDS Mailman mailing lists start at the CCSDS main page
- You need Mailman access to:
  - Join CCSDS mailing lists, or to
  - Change your mailing list subscriptions, or to
  - Remove yourself from CCSDS mailing lists
- This link will take you to the Mailman page
- Registration for CCSDS Mailman mailing lists requires approval of the Working Group chair



The screenshot shows the CCSDS.org website. A red arrow points from the text 'This link will take you to the Mailman page' to the 'Mailman' link in the 'Quick Links' section. The website header includes the URL 'https://public.ccsds.org/default.aspx' and a search bar. The main navigation bar contains links: About, Publications, Review Documents, Meetings, Outreach, Participation, Implementations, and Search. The 'Headlines' section lists recent events and news. The 'Events' section lists upcoming meetings and conferences. The 'Number Assignments' section lists space agencies and their assigned numbers. The 'Related Organizations' section lists various space agencies. The 'Quick Links' section includes links for 'Sign In here', 'CWE', 'Mailman', 'BLOG', 'FAQ', and 'CCSDS FAQs'. The 'Mailman' link is highlighted with a red dashed circle and a red arrow pointing to it.



# CCSDS Mailman Mailing lists

<http://mailman.ccsds.org>

- The CCSDS Main page link to Mailman takes you here
- To request access to specific CCSDS Mailman mailing lists click here
- You need Mailman access to:
  - Join CCSDS mailing lists, or to
  - Change your mailing list subscriptions, or to
  - Remove yourself from CCSDS mailing lists

ew History Bookmarks Tools Window Help [PSE-1017] Deter [EDAP-834] D-56 [PSE-976] Prune/ Charlie Site Search CCSDS.org - The CCSDS.org - X

https://mailman.ccsds.org Search

IPL WebEx JPLSpace NASA Dir SCan Web DSN Now JPL LFT WeTransfer 4HELP KB Layered Interfaces ... Wolf

**CCSDS Mailman**

The Consultative Committee for Space Data Systems (CCSDS) Mailman Maillists are e-mail distribution groups that are used by all CCSDS Areas, Working Groups, and Birds of a Feather. Most of the Open CCSDS Maillists are open for participation (approval required) and archive viewing.

**Open CCSDS Maillists**  
- Use this link to access WGs and BOFs that are actively working.

**Completed / Closed CCSDS Maillists**  
- Use this link to access WGs and BOFs that are WORK COMPLETED.

Google Search  
Search Open and Completed / Closed CCSDS Mailman Maillist Archives

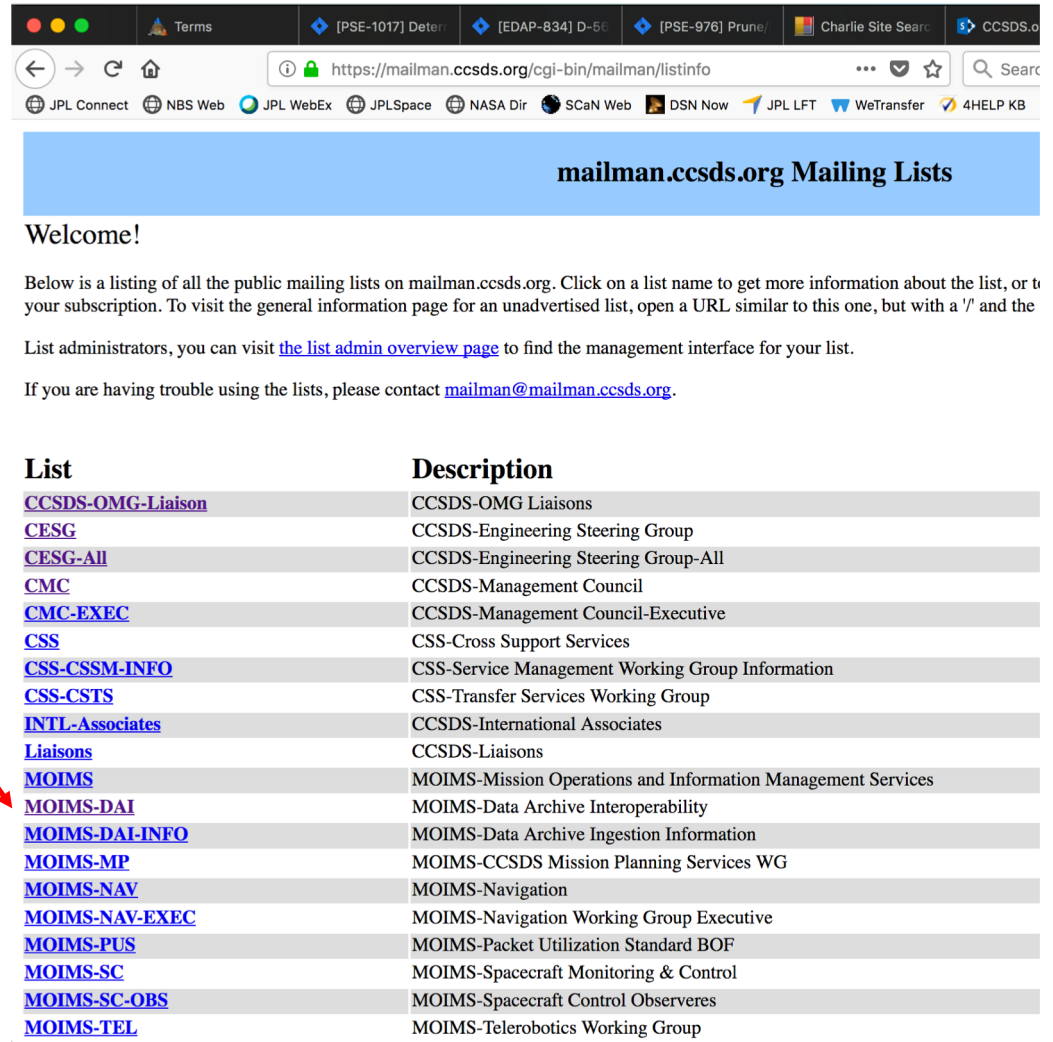
Questions / Support: [techsupport@mailman.ccsds.org](mailto:techsupport@mailman.ccsds.org)

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# CCSDS Mailman List of Mailing lists

- The CCSDS Mailman page takes you to this list of the available lists
- To request access to specific CCSDS Mailman mailing lists click any of these
- You need Mailman access to:
  - Join CCSDS mailing lists, or to
  - Change your mailing list subscriptions, or to
  - Remove yourself from CCSDS mailing lists
- Some mailing lists, such as the management and leadership lists, are managed by CCSDS directly
- Most of the others are open to requests



The screenshot shows the web interface for CCSDS Mailman mailing lists. The browser address bar displays <https://mailman.ccsds.org/cgi-bin/mailman/listinfo>. The page has a blue header with the title "mailman.ccsds.org Mailing Lists". Below the header, a "Welcome!" message is followed by instructions on how to use the list information and how to contact administrators. A table lists various mailing lists with their descriptions. A red arrow points from the text "click any of these" in the left sidebar to the list of links in the table.

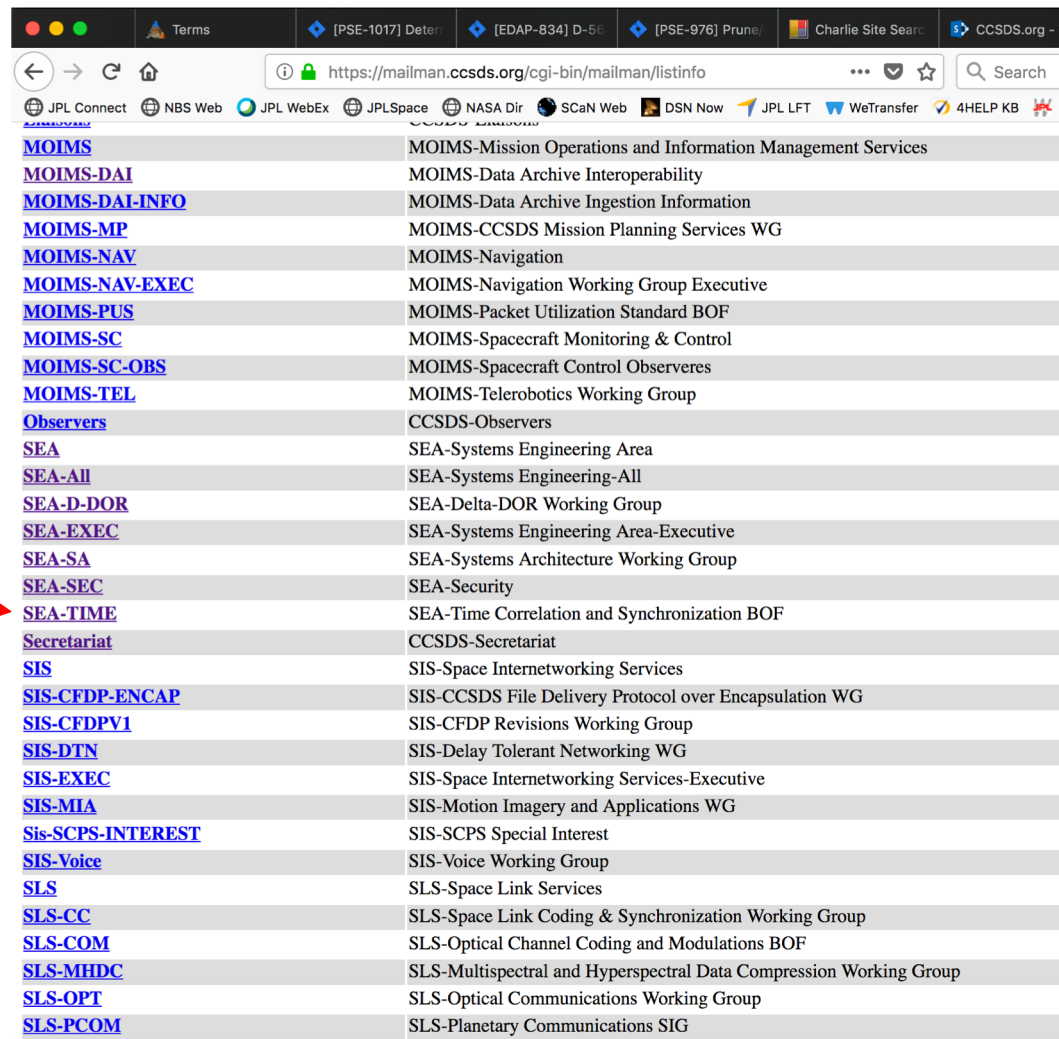
List	Description
<a href="#">CCSDS-OMG-Liaison</a>	CCSDS-OMG Liaisons
<a href="#">CESG</a>	CCSDS-Engineering Steering Group
<a href="#">CESG-All</a>	CCSDS-Engineering Steering Group-All
<a href="#">CMC</a>	CCSDS-Management Council
<a href="#">CMC-EXEC</a>	CCSDS-Management Council-Executive
<a href="#">CSS</a>	CSS-Cross Support Services
<a href="#">CSS-CSSM-INFO</a>	CSS-Service Management Working Group Information
<a href="#">CSS-CSTS</a>	CSS-Transfer Services Working Group
<a href="#">INTL-Associates</a>	CCSDS-International Associates
<a href="#">Liaisons</a>	CCSDS-Liaisons
<a href="#">MOIMS</a>	MOIMS-Mission Operations and Information Management Services
<a href="#">MOIMS-DAI</a>	MOIMS-Data Archive Interoperability
<a href="#">MOIMS-DAI-INFO</a>	MOIMS-Data Archive Ingestion Information
<a href="#">MOIMS-MP</a>	MOIMS-CCSDS Mission Planning Services WG
<a href="#">MOIMS-NAV</a>	MOIMS-Navigation
<a href="#">MOIMS-NAV-EXEC</a>	MOIMS-Navigation Working Group Executive
<a href="#">MOIMS-PUS</a>	MOIMS-Packet Utilization Standard BOF
<a href="#">MOIMS-SC</a>	MOIMS-Spacecraft Monitoring & Control
<a href="#">MOIMS-SC-OBS</a>	MOIMS-Spacecraft Control Observers
<a href="#">MOIMS-TEL</a>	MOIMS-Telerobotics Working Group

# CCSDS Mailman

## List of Mailing lists

### SEA-BoF list

- The CCSDS Mailman page takes you this list of the available lists
- The SEA-Time BoF is here
- Open the link and fill in the request
- All of these lists are managed by the list owner, who is usually the WG chair or Area Director
- They must approve anyone joining the list
- Agency sponsors may be consulted to ensure that participation in any given WG is supported by the agency



<a href="#">MOIMS</a>	MOIMS-Mission Operations and Information Management Services
<a href="#">MOIMS-DAI</a>	MOIMS-Data Archive Interoperability
<a href="#">MOIMS-DAI-INFO</a>	MOIMS-Data Archive Ingestion Information
<a href="#">MOIMS-MP</a>	MOIMS-CCSDS Mission Planning Services WG
<a href="#">MOIMS-NAV</a>	MOIMS-Navigation
<a href="#">MOIMS-NAV-EXEC</a>	MOIMS-Navigation Working Group Executive
<a href="#">MOIMS-PUS</a>	MOIMS-Packet Utilization Standard BOF
<a href="#">MOIMS-SC</a>	MOIMS-Spacecraft Monitoring & Control
<a href="#">MOIMS-SC-OBS</a>	MOIMS-Spacecraft Control Observers
<a href="#">MOIMS-TEL</a>	MOIMS-Telerobotics Working Group
<a href="#">Observers</a>	CCSDS-Observers
<a href="#">SEA</a>	SEA-Systems Engineering Area
<a href="#">SEA-All</a>	SEA-Systems Engineering-All
<a href="#">SEA-D-DOR</a>	SEA-Delta-DOR Working Group
<a href="#">SEA-EXEC</a>	SEA-Systems Engineering Area-Executive
<a href="#">SEA-SA</a>	SEA-Systems Architecture Working Group
<a href="#">SEA-SEC</a>	SEA-Security
<a href="#">SEA-TIME</a>	SEA-Time Correlation and Synchronization BOF
<a href="#">Secretariat</a>	CCSDS-Secretariat
<a href="#">SIS</a>	SIS-Space Internetworking Services
<a href="#">SIS-CFDP-ENCAP</a>	SIS-CCSDS File Delivery Protocol over Encapsulation WG
<a href="#">SIS-CFDPV1</a>	SIS-CFDP Revisions Working Group
<a href="#">SIS-DTN</a>	SIS-Delay Tolerant Networking WG
<a href="#">SIS-EXEC</a>	SIS-Space Internetworking Services-Executive
<a href="#">SIS-MIA</a>	SIS-Motion Imagery and Applications WG
<a href="#">Sis-SCPS-INTEREST</a>	SIS-SCPS Special Interest
<a href="#">SIS-Voice</a>	SIS-Voice Working Group
<a href="#">SLS</a>	SLS-Space Link Services
<a href="#">SLS-CC</a>	SLS-Space Link Coding & Synchronization Working Group
<a href="#">SLS-COM</a>	SLS-Optical Channel Coding and Modulations BOF
<a href="#">SLS-MHDC</a>	SLS-Multispectral and Hyperspectral Data Compression Working Group
<a href="#">SLS-OPT</a>	SLS-Optical Communications Working Group
<a href="#">SLS-PCOM</a>	SLS-Planetary Communications SIG