



CONFERS

FOSTERING THE SATELLITE SERVICING INDUSTRY

...the independent global trade association developing industry-led recommendations for standards and guiding international policies for satellite servicing that contribute to a sustainable, safe, and diverse space economy

About CONFERS

History

The Consortium for Execution of Rendezvous and Servicing Operations (CONFERS) was created by DARPA in October 2017. In October 2022, CONFERS, the independent 501(c)(6) global trade association fostering the satellite servicing industry, was founded.

Dues-based membership is open to participation by stakeholders from the global In-space Servicing, Assembly, and Manufacturing (ISAM), On-Orbit Servicing (OOS) and Rendezvous and Proximity Operations (RPO) community, including supplier and client companies, universities, government agencies and non-profit and not-for-profit organizations.

CONFERS Mission and Vision

Vision: Servicing empowering a robust space economy.

Mission: Develop industry-led standards and guide international policies for servicing that contribute to a sustainable, safe, and diverse space economy.

CONFERS Primary Objectives

- Advocating and promoting satellite servicing, *including but not limited to* maintenance, repair, assembly, manufacturing, and inspection within the space domain extending from low-Earth orbit (LEO) to cislunar orbit and beyond.
- Developing industry-led recommendations for standards that contribute to a sustainable, safe, and diverse space economy.
- Engaging with global governmental legislative and regulatory bodies on policies and oversight of satellite servicing activities.

CONFERS Leader Volunteers

CONFERS is governed by a nine-member Board of Directors and a four-member Executive Committee:

- Joerg Kreisel, CONFERS President, iBOSS GmbH, iBOSS.space US LLC
- Jon Beam, CONFERS Vice President, Rogue Space Systems Corporation
- Brien Flewelling, CONFERS Secretary, ExoAnalytic Solutions, Inc.
- Joseph Anderson, CONFERS Treasurer, Space Logistics, LLC
- Chris Blackerby, CONFERS Immediate Past President, Astroscale Holdings
- David Barnhart, CONFERS Director, Arkisys, Inc.
- Vanessa Clark, CONFERS Director, Atomos Space
- Adam Harris, CONFERS Director, Orbit Fab, Inc.
- Tim Maclay, CONFERS Director, ClearSpace Holding S.A.
- Brian Weeden, CONFERS Director, The Aerospace Corporation
- CONFERS administration is managed by full-time Executive Director Brian Lagana

CONFERS Committees and Task Force

CONFERS activities are planned and executed by volunteer members serving on three Committees and through Task Forces formed as needed.

CONFERS Communications Committee (CCC) is responsible for driving communications and outreach to members, potential customers, and the general public.

Co-chair: Dave Hebert, Astroscale U.S.

CONFERS Policy Committee (CPC) is responsible for informing policy positions and government engagement.

Co-chairs: Brian Weeden, Secure World Foundation; Luc Riesbeck, Astroscale U.S.

CONFERS Technical Committee (CTC) is responsible for advancing technical development of CONFERS best practices and standards, as well as maintenance and continued development of the CONFERS Lexicon and Terminology.

Co-chairs: Ron Birk, The Aerospace Corporation; Stephen Leete, Northrup Grumman

CTC contributed to multiple standards related to satellite servicing:

- **ISO 24330 Rendezvous and Proximity Operations (RPO) and On Orbit Servicing (OOS) – Programmatic Principles and Practices** (Status: Published July 2022)
- **AIAA S-155 (202X) RPO-OOS Spacecraft Fiducial Markers** (in review – projected to be published in 2024)
- **AIAA S-157 (202X) RPO-OOS In-Space Storable Fluid Transfer Interfaces** (finalizing post review comments – projected to be published mid-2024))
- **AIAA S-158 RPO-OOS Free-Flyer Capture** (Approved by the AIAA Standards Steering Committee [SSC] May 5, 2023)

Current CTC Task Forces

Active Debris Remediation Task Force is developing recommendations for technical standards for active debris remediation/removal associated with commercial in space servicing, assembly and manufacturing (ISAM) for operations in LEO to cislunar and beyond.

Chair: Tim Maclay, ClearSpace Holdings, S.A.

AI for ISAM Task Force is developing recommendations for technical standards related to use of trusted artificial intelligence/machine learning in commercial in-space servicing, assembly and manufacturing (ISAM) for operations in LEO to cislunar and beyond.

Chair: Meera Day Towler, Southwest Research Institute (SWRI)

Cryogenic Fluid Transfer Task Force is developing recommendations for on-orbit cryogenic refueling standards. **The task force will have draft recommendations for a standard for cryogenic fluid transfer between space systems completed later in 2024.**

Chair: Dallas Bienhoff, Off-World, Inc.

On-Orbit Servicing Communications Task Force is developing recommendations for on-orbit satellite-to-satellite servicing communications.

Chair: Jeffrey Osbourne, AnySignal, Inc.

Power and Data Task Force is developing recommendations for space data system standards. **The task force will have draft recommendations for best practices, functional requirements, and norms for ISAM power and data interfaces complete during the first quarter of 2024.**

Chair: Victor Nifo, MDA Space

RPO Safety Task Force is developing recommendations for technical standards related to RPO safety in commercial in space servicing, assembly and manufacturing (ISAM) for operations in LEO to cislunar and beyond.

Co-Chairs: David Barnhart and Rahul Rughani, Arkisys, Inc.

CONFERS Membership

CONFERS offers four categories of membership:

Sustaining Member: eligible to serve on the CONFERS Board; voting rights to forward draft standards and other CONFERS publications to the Board for final approval and internal decisions made at the annual General Assembly; participation in CONFERS Committees and Task Forces, workshops and other CONFERS members-only events and activities; and, access to members-only content and services.

Contributing Member: voting rights to forward draft standards and other CONFERS publications to the Board for final approval and internal decisions made at the annual members General Assembly; participation in CONFERS Committees and Task Forces, in-person and virtual workshops, and other CONFERS members-only events and activities; and, access to members-only content and services.

Observer Member: participation in CONFERS Committees and Task Forces, in-person and virtual workshops, and other CONFERS members-only events and activities, and access to members-only content and services.

Government Observer Member: participation in CONFERS Committees and Task Forces, in-person and virtual workshops, and other CONFERS members-only content, events and activities.

Why Belong to CONFERS

- **Networking opportunities** with members, government, and the international community
- **Members-only educational and informational webinars** throughout the year providing exclusive access to leaders from government, industry, academia, and non-profit organizations
- The annual **Global Satellite Servicing Forum & Exhibition** to be held Wednesday, November 13 - Thursday, November 14, 2024 at The Westin Arlington Gateway, Arlington, VA
- **Business enhancement** opportunities
- **Participation in standards and policy development** impacting the global industry through active engagement in CONFERS Committees and Task Forces
- **Organizational leadership opportunities** on the Executive Committee, Board of Directors, Committees, and Task Forces
- **CONFERS digital newsletter** promoting members and delivering the latest industry news, information, and original content
- Membership provides pathways for small and non-traditional companies to **identify opportunities and establish relationships** with government, other members, and the international community

We are CONFERS*...

Sustaining Members

Aerojet Rocketdyne • The Aerospace Corp. • Arkisys, Inc. • Astroscale Holdings
Atomos Space Corp. • BAE Systems, Inc. • ClearSpace Holding SA • ExoAnalytic Solutions, Inc.
iBOSS • Kurs Orbital, Srl. • L3Harris Technologies • Lockheed Martin Corp.
MDA • Maxar • Orbit Fab, Inc. • Quantum Space, LLC • Rogue Space Systems Corporation
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Motiv Space Systems, Inc. • Oceaneering Space Systems • OHB System AG
Orbital Outpost X, Inc. • Redwire Space, Inc. • SCOUT Space, Inc.
Space Infrastructure Foundation, Inc. • Space Machines Company Pty. Ltd.
Starfish Space, Inc. • Ten One Aerospace • True Anomaly, Inc. • Turion Space Corp.

Observer Members

Agile Space Industries • Allocation.Space • Amphenol Canada • AnySignal, Inc.
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Students for the Exploration and Development of Space, USA (SEDS) • Thales Alenia Space
Valor Robotics, LLC

Government Observer Members

German Space Agency at DLR • ICASI
Mexican Space Agency • National Reconnaissance Office
Naval Research Laboratory - Naval Center for Space Technology • PIAP Space

**CONFERS members as of May 13, 2024*

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