



COMMERCIAL SPACEFLIGHT FEDERATION

September Newsletter

WELCOME

Dear <<First Name>>,

I hope you're enjoying the last few weeks of summer. September marks my last month here at CSF; the time spent at the helm of the organization moving the commercial space sector forward has been very rewarding. I've enjoyed working with many of you here in Washington and I look forward to following the industry as it continues to grow. I know CSF will continue to ably serve the industry under the leadership of [Eric Stallmer](#) as its new President.

With NASA's next selection(s) in its Commercial Crew Program (CCP) set to be announced this month, our Policy Highlight focuses on CCP and how competition within the commercial space industry has broad positive implications that go beyond stimulating the continued growth of the industry.

This month's CSF Newsletter spotlights [Qwaltec](#), an Arizona-based Associate Member providing systems engineering, mission readiness, technical training, and program

management services to government and commercial clients.

As always, please feel free to reach out to CSF with questions or comments at sirisha@commercialspaceflight.org and check for our updates on [Facebook](#) and [Twitter](#).

Sincerely,

Michael Lopez-Alegria
President

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 - [*CSF Updates*](#): Provides updates on CSF activities, such as new additions to our membership and CSF staff participation in recent events and conferences
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ABOUT US

The [Commercial Spaceflight Federation](#) (CSF) is the industry organization of leading businesses and organizations working to make commercial human spaceflight a reality. Our mission is to promote the development of commercial human spaceflight, pursue ever higher levels of safety, and share best practices and expertise throughout the industry.

Currently, [over 45 businesses and organizations](#) are CSF members. Executive Members include commercial spaceflight developers, operators, and spaceports. Associate Members include suppliers supporting commercial spaceflight, with recent members

including suppliers of mission support services and suppliers of training, medical, and life-support products and services.

FIND CSF MEMBERS IN YOUR STATE



CSF [member organizations](#) and CSF [research and education mission \(REM\) affiliates](#) span from coast to coast. Click [here](#) for an interactive map of the commercial space organizations in your state!

MEMBER SPOTLIGHT



Qwaltec provides quality systems engineering, mission readiness, technical training, and program management for government and commercial programs. Extensive experience in human spaceflight, combined with commercial and government space systems operations, has given us the insight and adaptability necessary to respond to highly dynamic commercial spaceflight programs.

Leveraging the Past Innovating the Future.

Our certified systems engineers, training experts, and program managers utilize the best practices from our NASA, DoD, and Commercial customers to develop highly effective and cost efficient mission operations plans, training programs and ground systems.

Our dedication to program success goes beyond our contractual agreement. We know that organizations that are trained, operated, and managed well reduce the long-term costs of your project. We continue to adapt our services, as needed, to achieve success for your personnel and ultimately your business. By quickly assimilating ourselves into your organization, we join in the allegiance to your success.

www.qwaltec.com

For more information on Qwaltec, check out their [website](http://www.qwaltec.com).

POLICY HIGHLIGHT

The Commercial Crew Program and the Importance of Competition

With the retirement of the Space Shuttle in 2011, the U.S. was left without a domestic means of transporting astronauts to the International Space Station (ISS). Currently, NASA pays Russia over \$70 million per seat for American astronauts to ride to and from ISS aboard the Soyuz spacecraft. Apart from the steep costs associated with these transactions, current geopolitical complications create added uncertainties about the long-term viability of this scenario. The NASA [Commercial Crew Program](#) (CCP), which began

in 2010, seeks to enable at least one new, domestic alternative for transporting astronauts to ISS.

CCP is a public-private partnership in which NASA utilizes [Space Act Agreements](#) to partner with various companies through three of four phases, ultimately culminating in the operation of one or more commercial crew transport systems with service to the ISS under contract with NASA. Currently nearing the conclusion of its third phase, known as the Commercial Crew Integrated Capability (CCiCap) phase, three companies remain in contention: [Boeing](#), [Sierra Nevada Corporation](#), and [SpaceX](#). In the coming days, NASA must decide which, and how many, of these contenders will receive critical funding in the fourth and final phase of the partnership.

Preserving competition in commercial space transport not only enhances cost and schedule control, but it also provides the U.S. with a more diverse suite of space capabilities. The CCP participants each bring their own unique technologies and strategies, which create options in the event of an issue or supply chain shortfall with a particular system. Thus, selecting more than one company for the final CCP phase will provide the U.S. with increased technological diversity, greater independence, and added assurances for the future.

The uncertainty surrounding the impending CCP contract decision makes encouraging continued competition a top priority for CSF. CSF advocates for the facilitation of competition not only in CCP, but in all applicable public-private partnerships across the commercial space sector. For more information on this CSF policy priority, please contact us at sirisha@commercialspaceflight.org and check the [CSF website](#) for press releases and updates on this and other relevant policy topics.

CSF UPDATES

CSF President Presented on "Commercial Space 101." Michael Lopez-Alegria provided an introduction to the commercial industry before a packed house at the August Space Cafe hosted by the International Space University (ISU) Alumni Association's Washington D.C. chapter. For information on upcoming ISU-DC Space Cafes, check out the [ISU Facebook page](#).

CSF Set to Hold Members Meetings. CSF will hold its semi-annual, closed-door Board and Members Meetings September 9 - 10 at [Cecil Air and Spaceport](#) in Jacksonville, FL.

RECENT INDUSTRY NEWS

July 31 - NASA chose [Arizona State University](#) to [design and operate the camera system](#) for the Mars 2020 mission.

August 1 - [Sierra Nevada Corporation](#) and Lockheed Martin [unveiled](#) the Dream Chaser orbital spacecraft composite airframe.

August 4 - [SpaceX](#) and the state of Texas announced that the company will [build a new spaceport](#) near Brownsville.

August 5 - [MDA Corporation's](#) Space Systems/Loral was selected to [provide a communications satellite](#) to Intelsat as part of the Intelsat 36 program.

August 5 - [SpaceX's](#) Falcon 9 rocket successfully [launched the AsiaSat 8](#) commercial telecommunications satellite into geostationary transfer orbit.

August 5 - [Jacobs](#) received a [Phase 1 contract](#) for the conceptual design of an asteroid capture system for NASA's Asteroid Redirect Mission (ARM).

August 15 - [XCOR](#) and [Midland Development Corporation](#) held a [wall breaking ceremony](#) signifying the kickoff of new renovations to the XCOR facility at Midland Airport.

August 20 - Swedish space company Space Travel Alliance, operating out of [Spaceport Sweden](#), [announced a partnership](#) with the Space Angels Network.

RESOURCES

Consult the following resources for the most up-to-date news and information about the commercial space industry!

Commercial Spaceflight Federation

Visit the [Commercial Spaceflight Federation homepage](#) for the most recent press releases and news stories featuring CSF member organizations.

Spaceflight Now Launch Tracker

Check out the [Spaceflight Now Launch Tracker](#) for the most up-to-date schedule of U.S. government, commercial, and foreign space launches.

SpacePolicyOnline.com

Go to [SpacePolicyOnline](#) for recent news and analysis as well as a comprehensive list of space-related hearings, briefings, and events in the Washington, DC area.

NASA Procurement Information

Consult the [NASA procurement page](#) for a breakdown of NASA spending by state and Congressional district; details include information about SBIR awards, grants, and contracts with universities and businesses.

FAA Office of Commercial Space Transportation (AST)

Head to the [FAA AST website](#) to view launch licenses and procedures as well as relevant legislation governing commercial space.



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