



# Fall Update

Volume 2, Issue 4

## A Message from the Executive Director on Global Issues

In response to an increasingly globalized aviation industry, the Aircraft Certification Service (AIR) is promoting international partnerships to reduce barriers and lead the advancement of aviation safety across geopolitical boundaries. Our strategic plan, the [AIR Blueprint](#), details how AIR will fulfill this vision element by:

- Developing a methodical process to establish, build, and maintain confidence in foreign aviation authorities' certification systems;
- Leveraging mature partners' certification systems and maximizing mutual recognition of certification approvals to minimize inefficient duplication of effort; and
- Promoting knowledge sharing to mature the requirements of foreign safety assurance systems and actively shape global standards.

This issue highlights the recent international activities. To find out more about how AIR plans to strengthen U.S. global leadership through harmonization of rules and effective oversight of safety assurance systems, I encourage you to visit our [AIR Transformation public website](#) or send us your [feedback](#).

- Dorenda D. Baker

## In the News

### New Part 23 Takes Effect



On August 30, 2017, the final rule overhauling [airworthiness standards for general aviation airplanes](#) published in December of 2016 officially went into effect. The FAA expects this rule to enable faster installation of innovative, safety enhancing technologies into small airplanes, while reducing costs for the aviation industry.

The new part 23 promotes regulatory harmonization among FAA foreign partners including EASA (E.U.), TCCA (Canada), and ANAC (Brazil). Harmonization is intended to help minimize certification costs for manufacturers and operators of affected products seeking to certify their products in the global marketplace.

### Expanded Agreement with China



In August, an FAA delegation met with their Civil Aviation Administration of China (CAAC) counterparts in Xi'an, China, to finalize the text of a draft BASA Implementation Procedures for Airworthiness (IPA). FAA and CAAC will meet again in DC at the end of September to prepare the IPA for signature.

For the latest news, visit the [AIR Transformation public website!](#)

## FAA Strengthens Partnership with ANAC in "Next Hot Market"



The FAA delegation gathers with the ANAC DG and ANAC certification management team.

The National Civil Aviation Agency (ANAC) is one of AIR's oldest bilateral partners; a U.S.-Argentina Bilateral Aviation Agreement (BAA) was signed on June 22, 1989. As a result of a Type Certificate (TC) transfer of the new Piper Aircraft PA-25 series airplane to Argentine Lavia, SA in 1998, all related State of Design and continued

airworthiness responsibilities for these aircraft under Annex 8 fall under the purview of this bilateral partner. There are over 500 Piper aircraft on the U.S. registry, and the AIR Validations Tracking System indicates over 60 U.S. design approval holders have applied to ANAC for TC and Supplemental TC (STC) validations in the past 5 to 10 years.

On May 16-17, 2017, the FAA and ANAC co-hosted the 5<sup>th</sup> annual Airworthiness Seminar in Buenos Aires, Argentina to improve communications and collaboration in the South American and Caribbean region. Over 30 aviation officials attended. AIR's primary mission at the seminar was to meet with ANAC to reinvigorate the U.S.-Argentina bilateral relationship and to ascertain the Government of Argentina's interest in establishing a Bilateral Aviation Safety Agreement (BASA) with the associated Implementation Procedures for Airworthiness (IPA). AIR also seized this opportunity to discuss [AIR Transformation](#), the new Part 23 rule that overhauls airworthiness standards for GA aircraft, and Light Sport Aircraft (LSA) initiatives. ANAC Director General Juan Irigoien confirmed Argentina's desire for the U.S. and Argentina to negotiate a BASA to replace the existing BAA. The 2018 seminar will be hosted by the Bolivia Civil Aviation Authority.

The Argentine manufacturing industry is on the rise and the new government has promised to prioritize aviation growth by supporting much-needed deregulation and infrastructure investment, with a goal of more than doubling domestic traffic by 2019. Bloomberg calls Argentina the "next hot market for the airline industry." AIR recognizes Argentina as a viable international partner and will continue strengthening a mutually-beneficial safety relationship in support of the [AIR Blueprint](#).



## Shadow Type Validation Program of the Mitsubishi Regional Jet



FAA STVP members work closely with both Japan Civil Aviation Bureau and Mitsubishi professionals in a Mitsubishi hanger in Nagoya, Japan.

AIR is currently conducting a Shadow Type Validation Program (STVP) project on the Japan Civil Aviation Bureau's (JCAB) certification of the Mitsubishi Regional Jet (MRJ-200). The MRJ is scheduled to enter service in mid-2020 with over 360 orders from U.S. airlines. Eighty percent of the aircraft parts and components will be produced by the U.S. aerospace industry.

The STVP for the Mitsubishi Regional Jet (MRJ) evaluates the JCAB and, in parallel, conducts a validation of the Model MRJ-200 airplane. The FAA enjoys a strong partnership with JCAB on aviation safety and aircraft certification issues. The shadow team for this particular project is comprised of 27 aircraft certification experts from various technical specialties including electrical systems, flight test, cabin safety, propulsion systems, manufacturing inspection, and other disciplines necessary to oversee Transport Category Aircraft.

AIR's manufacturing inspectors are contributing to this effort by shadowing the JCAB and evaluating and validating the production, quality control, and maintenance activities of the MRJ program. This effort determines if the JCAB surveillance and oversight system is sufficiently comparable to a production approval holder in the FAA system. In other words, the STVP supports AIR's strategic vision to share knowledge to mature the requirements of foreign safety assurance systems and actively shape global standards.

Mitsubishi is conducting most of the MRJ flight test activity in the U.S. at Moses Lake, WA, where it currently has 4 flight test aircraft. Mitsubishi also recently flew one of the Moses Lake MRJ's over the Atlantic to Paris for the Paris Air Show. FAA issued Special Flight Authorizations to allow MRJ certification flight testing at Moses Lake and at other U.S. flight test locations. The agency also supported the trans-Atlantic flight to Paris.

## ODA Workshop in China Promotes Knowledge-Sharing and Harmonization

On August 9-10, 2017, an Organization Designation Authorization (ODA) Workshop was held in Beijing, China to enhance global understanding of how ODAs work within the U.S. system and to explain the complex steps and levels of confidence necessary to establish ODAs while maintaining an appropriate level of safety.



Organized by the Civil Aviation Administration of China (CAAC), the U.S.-China Aviation Cooperation Program, and the U.S. Trade and Development Agency, this workshop attracted participants from the FAA and CAAC as well as both the U.S. and Chinese aviation industry (including Boeing, Textron Aviation, GE Aviation, Honeywell, Gulfstream Aerospace Corporation, and Civil Aviation Management Institute of China (CAMIC)).

Each session included a presentation coupled with a dedicated question and answer period to facilitate maximum communication and interaction among participants.

By sharing knowledge in this forum, AIR aimed to promote competence and harmonization of foreign safety systems, while leveraging confidence in effective oversight and safety assurance processes. Ultimately, the goal of these and similar efforts is reduced involvement and less duplicative effort in foreign validations and approvals. Visit the [AIR Blueprint](#) for more information on AIR's strategic vision for strengthening international partnerships.

## Certification Management Team (CMT) Industry Day

Mark your calendars for *September 22, 2017!*



Ottawa, Canada



Questions or comments? Email us at [NATL-AVS-AIR-Communications@faa.gov](mailto:NATL-AVS-AIR-Communications@faa.gov)