

# ATCA Bulletin

Air-Traffic Control Association

January 2013

[www.atca.org](http://www.atca.org)



## ATCA Rings in 2013

Conferences and committees help kick off a new year

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## PRESIDENT'S MESSAGE

By Peter F. Dumont  
President & CEO, Air Traffic Control Association

# 2013 World ATM Congress is the Largest of its Kind

**N**ext month (Feb. 12-14), ATCA will be in Madrid, Spain at the inaugural World ATM Congress (WATMC). We have partnered with the Civil Air Navigation Services Organization (CANSO) to bring the ATM community a conference and exhibition that is for industry, by industry.

It has certainly been a challenge getting here but we are confident that through the support of the over 150 exhibitors and the world's air navigation service providers (ANSFs) that we have put together a world-class event.

The event has become the largest international ATM exhibition in the world. The conference is supported by nothing but top-tier participants, including: Tony Tyler, Michael Huerta, Neil Planzer, Nick Calio, Patrick Ky, Nancy Graham, Todd Donovan, and Bob Poole. These speakers, and others, are exclusive to WATMC.

With such a distinguished speaker lineup (many you will only see in Madrid) and an unmatched exhibition, it is no surprise that registration numbers are indicating the ATM industry recognizes this is a can't-miss event. Not everyone can make all events, so for those of you who won't be able to attend, ATCA will

provide you with the content wrap-up you have come to expect.

With all of this work on WATMC, you may find it hard to believe our small staff is also working on so many other projects. You should be planning to attend the Civil/Military Aviation Conference (CMAC), April 23-24, 2013 in Geneva, Switzerland. The Swiss Air Force, the Federal Office of Civil Aviation (Switzerland), and the International Civil Aviation Organization (ICAO) will support CMAC this year. It is shaping up to be another successful international event. Later in the spring we will have the 2013 Budget Briefing to Industry, the ATCA/FAA/NASA Technical Symposium in Atlantic City, and our 2013 Cyber Security Day, all held in the United States. We are excited to be so busy in 2013 and look forward to providing you so many opportunities throughout the year.

The year has just begun and we have hit the road running. Please take a minute and let us know how we are doing. After all, this is **your** association and we want to be responsive to our members' needs.

ATCA wishes you a Happy New Year – we hope 2013 is bright and busy for all of us. ✈

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Published for



**ATCA**  
Air Traffic Control Association

1101 King Street, Suite 300  
Alexandria, VA 22314  
703-299-2430  
703-299-2437 Fax  
info@atca.org  
[www.atca.org](http://www.atca.org)

Formed in 1956 as a non-profit, professional membership association, ATCA represents the interests of all professionals in the air traffic control industry. Dedicated to the advancement of professionalism and technology of air traffic control, ATCA has grown to represent several thousand individuals and organizations managing and providing ATC services and equipment around the world.

Published by



140 Broadway, 46th Floor  
New York, NY 10005  
Toll-free: 866-953-2189  
Toll-free Fax: 877-565-8557  
[www.lesterpublications.com](http://www.lesterpublications.com)

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**Graphic Designer:** Gayl Punzalan  
**Advertising Sales:**  
Quinn Bogusky: 888-953-2198  
Lori Edmondson: 888-953-2191  
Louise Peterson: 866-953-2183  
**Distribution:** Nikki Manalo

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# ATCA's 2012 Holiday Open House

**T**hank you to all ATCA members and friends who attended the Annual Holiday Open House at ATCA Headquarters in Alexandria, Virginia. We had a packed house this year! We hope you were able to put faces to names, meet a few new friends, and prepare for a relaxing holiday. Best wishes for a safe and prosperous new year in 2013. ✈



## Calendar of Events



**Feb. 12-14, 2013**  
**World ATM Congress**  
 IFEMA – Feria de Madrid  
 Madrid, Spain  
[www.worldatmcongress.org](http://www.worldatmcongress.org)

**April 23-24, 2013**  
**Civil/Military Aviation Conference**  
 Hotel Intercontinental Geneva  
 Geneva, Switzerland  
[www.atca.org/cmacc](http://www.atca.org/cmacc)

**Spring 2013**  
**FAA Budget Briefing to Industry**  
 Washington, D.C. Area

**May 21-23, 2013**  
**ATCA/FAA/NASA**  
**Technical Symposium**  
 Resorts Hotel  
 Atlantic City, N.J.

**June 20, 2013**  
**Cyber Security Day**  
 Arlington, Va.

**Oct. 20-23, 2013**  
**ATCA 58th Annual Conference**  
**and Exposition**  
 Gaylord National Resort &  
 Convention Center  
 National Harbor, Md.

# The Top 5 Things ATCA is Looking Forward to in 2013!

## 1. Setting our sights on Europe

We have been shouting from the rooftops our plans for the inaugural World ATM Congress. The staff has been working hard for all of 2012 (and most of 2011) to put together the 10,000-square meter Exhibit Hall. We have more than 150 companies exhibiting from all over the world and we're excited to bring the best of ATCA to Spain. For more information, check out: [www.worldatmcongress.org](http://www.worldatmcongress.org).

A few short weeks later we will be spending some time near the Swiss Alps in Geneva, Switzerland, organizing the Civil/Military Aviation Conference (CMAC). The conference theme, "Taking the Long View," will feature important topics, including how to impact the efficiency and effectiveness of airports and how to integrate civil and military operations in 2025. For more information, check out: [www.atca.org/cmacc](http://www.atca.org/cmacc).

## 2. The new look of the ATCA Bulletin and The Journal of Air Traffic Control

We are excited to be partnering with Lester Publications for new and improved publications! Lester wowed ATCA with a more visual and modern redesign *The Journal of Air Traffic Control* (and the *Bulletin* you are currently reading), and they are excited to work with our members and us.

"*The Journal of Air Traffic Control* has incredibly relevant content and we want to make the visual elements match its written quality," said Lester Publications' Director of Business Development, Connie Lester. "With all of the challenges facing the moderniza-

tion of air traffic control, Lester is proud to help ATCA with one of its main communications with its members."

If you are interested in advertising in *The Journal of Air Traffic Control* or the *ATCA Bulletin*, please see the media kit for more information:

<http://bit.ly/ATCAKit>.

## 3. Our new Membership Manager

Please give a warm welcome to ATCA's new Membership Manager, Tim Wagner. Tim joins us with years of experience in association membership. He will be working to directly with members to make sure all of their needs are met and will be working to support and expand ATCA's membership. Tune into February's *Bulletin* to see Tim's spotlight! Until then, send him a welcoming email at [Tim.Wagner@atca.org](mailto:Tim.Wagner@atca.org).

## 4. Focusing on the ATCA Scholarship Fund

Last year, the ATCA Scholarship Fund was able to give more than \$75,000 to deserving scholars. The silent auction at ATCA's 57th Annual Conference and Exposition helped garner some of that sum. ATCA is looking forward to coming up with new and creative ways to help the scholarship fund raise money and give out even more scholarships in 2013!



## 5. Improving economic recovery for our members and partners worldwide

The last few years have been difficult for our members and business partners alike. In 2013, ATCA is looking forward to continued financial recovery and a stable world economy. ✈



# Considering Joining an ATCA Committee?

**M**embers in good standing are invited to show their interest in committee involvement. Below is a primer on what each committee does and where you can get involved – whether it's submitting an article, suggesting a session topic or helping comb through the many deserving ATCA scholarship applicants.

The association is strong thanks to its members, so get involved!

**Conference committees:** Members of conference committees give input on session topics and speakers, as well as help coordinate the panel content and logistics, which drive the atmosphere of the event.

Conference committees exist for the following events:

- ATCA/FAA/NASA Technical Symposium
- ATCA's Aviation Cyber Day Symposium
- ATCA 58th Annual Conference & Exposition

If you are interested in joining a conference committee, please email Paul Planzer, [Paul.Planzer@atca.org](mailto:Paul.Planzer@atca.org), or call 703-299-2430 x 305.

**Membership Committee:** The goal of this committee is to develop and execute plans to increase and maintain membership levels with particular attention to attracting new individuals. The committee also focuses on acquiring new corporate members and enhancing the level of ATCA membership and participation of existing corporate and institutional members.

If you are interested in joining the Membership Committee, please email Tim Wagner, [Tim.Wagner@atca.org](mailto:Tim.Wagner@atca.org) or call 703-299-2430 x 314.

**Awards Committee:** Responsible for soliciting nominations for each of the categories of awards, reviewing the nominations and carefully determining the winner in each category. The committee strives to increase the number and quality of nominations for the awards and raise the profile of this program. The committee is also responsible for developing the presentation materials and program for the awards ceremony at the ATCA Annual Conference and Exposition.

**Scholarship Committee:** Responsible for reviewing the applicants for each designated category of scholarship, determining the awardees and the amount for each award based on the criteria of the individual scholarship categories. The committee also develops the presentation materials and program content for the scholarship awards ceremony held at the ATCA Annual Conference and Exposition.

If you are interested in joining the **Awards** or **Scholarship** Committees, please email [Brian.Courter@atca.org](mailto:Brian.Courter@atca.org) or call 703-299-2430 x 311.

**Publications Committee:** Members of the Publications Committee oversee and guide the ongoing publication activities of the association, including *The Journal of Air Traffic Control* and other materials pertaining to the science and safety of air traffic control. The committee also develops innovative strategies for increasing the relevance, quality and accessibility of ATCA publications.

If you are interested in joining the Publications Committee, please email [Marion.Brophy@atca.org](mailto:Marion.Brophy@atca.org) or call 703-299-2430 x 308. ✈



Taking the Long View

2013 Civil/Military Aviation Conference

23-24 April, 2013 + Geneva, Switzerland

 **ATCA**  
Air Traffic Control Association

Organized by the Air Traffic Control Association  
supported by the Swiss Air Force and the  
Federal Office of Civil Aviation (Switzerland)

# We'll See You in Madrid!

## ¡Nos vemos en Madrid!



The World ATM Congress will celebrate its inaugural show in Spain's capital city, Madrid. The significance of such is wide-ranging, as multiple implications have molded the city's singular personality. The diversity of Madrid's neighborhoods and buildings informs the city's role in political and economic spheres. And its historic monuments stand as icons of a city that has wielded administrative power for more than four centuries. Madrid is not only a beautiful city with cafes and terraces, but you will also find streets of shopping with exclusive markets. Some of the world's most exciting museums can be visited in what is called the Triangle of Art. You can find it all in the European Union's third largest city.

While we will all be in Spain for advancing the state of ATM, please don't leave without experiencing some of Madrid's magic. Beautiful weather,

delicious food, world-renowned museums, exciting sporting events, and culture await. On our must-visit list is the Prado Museum, the Royal Palace,

Santiago Bernabéu Stadium, and Rastro Flea Market – while making time to stop for tapas, experience some Flamenco dancing and, of course, the nightlife! ✈



## World ATM Congress 2013

Operated by CANSO in association with ATCA

Going to World ATM Congress?

Stay in Madrid's Best Hotels

Get the most out of your networking.  
Stay where the attendees are.

Choose from three regions in Spain's capital city.

Book through World ATM Congress and  
receive exclusive amenities



12-14 February 2013 Madrid, Spain Book now at  
[www.worldatmcongress.org/BookYourRoom](http://www.worldatmcongress.org/BookYourRoom)

PHOTOS: E.M. PROMOCIÓN DE MADRID, S.A.

# Indra Implements Uruguay's National Network for Controller-Pilot Voice Communications over IP

On Nov. 12, commercial flight TAM8023 established its communications with the air traffic control center of Carrasco in Montevideo, Uruguay, with the use of this digital system. This was the test flight during which the IP communications network was officially validated to start its operations.

Its deployment followed the requirements and regulations established by EUROCAE (ED-137), the entity responsible for the standardization of civil aeronautical equipment and the International Civil Aviation Organization (ICAO). Indra has been a member of the EUROCAE (WG-67) work group, which established the IP communications standards since its creation.

The implementation of this system is a milestone in the history of air navigation. This is the first time that land-air communications in a country between the pilot and controller will not be based



**indra**

on analog systems. Likewise, the new architecture will guarantee the future interoperability of the systems adopted in other countries, facilitating the coordination of air operations.

To this end, the Dirección Nacional de Aviación Civil e Infraestructura Aeronáutica (DINACIA) has become the first air navigation service provider that has started using the new generation of systems based on IP technology, which will replace today's existing systems. Indra has become the first technological provider to implement this communications network.

Indra's solution can be used to establish high-quality voice communications with the absence of noise and interference while improving their

availability and reliability. In addition, it replaces the connections used by an IP connection until now, making the system more cost-effective and efficient.

The network deployed by Indra includes the transmission systems designed by Park Air Systems UK at the stations of Carrasco, Colonia, Cardona, Salto, Tacuarembó, Melo, Santa Clara and San Antonio. All of these sites are managed by Indra's Digital Communications System, which is fully integrated with the air traffic management automation system. Such integration represents an important advantage to air traffic controllers.

With this IP communication network, DINACIA has reached their goal of having a single primary frequency and another secondary frequency for the entire FIR, thus obtaining aircraft communications at lower levels than before. ✈

## FRAMaK Project Pioneers Large-Scale Free Routing

Starting in the Maastricht Upper Area Control Centre (MUAC) airspace, 103 direct routes are now linked with direct routes in the Karlsruhe area, creating a large-scale free routing airspace over Belgium, most of Germany, Luxembourg and the Netherlands. At the same time, MUAC will be extending the availability of 83 direct routes to 24 hours, bringing the total number of direct routes now available in the MUAC airspace at weekends and weekdays to 405.

This milestone is the first tangible achievement of the Free Route Airspace Maastricht and Karlsruhe (FRAMaK) project, a program of SESAR Solutions Demonstrations to deliver concrete, innovative solutions that generate benefits for all air transport stakeholders. In particular, FRAMaK aims to offer cross-border direct routes in the busy and complex core area of Europe, essentially doing away with inefficient route connections caused by the boundary between the areas of responsibility of MUAC and Karlsruhe for those aircraft operators taking advantage of the new, direct routes. In 2011, there were more than 770,000 flights that crossed the border between the two centers. On top of introducing direct cross-border routes, FRAMaK will also demonstrate the feasibility of user-preferred

routings, allowing aircraft operators to fly the most efficient routes, for example to exploit jet streams for fuel efficiency or to avoid areas of turbulence.

FRAMaK is made up of a consortium of airspace users and ANSPs – MUAC, the Karlsruhe Upper Area Control Centre and Lufthansa – in a two-year contract with the SESAR Joint Undertaking (SJU). The benefits of SESAR solutions aim at reducing ATM unit costs, reducing environmental impact, increasing the quality of service and enabling an increase in capacity.

With this significant development, MUAC and Karlsruhe, along with their aircraft operating partners, are making considerable progress toward the Functional Airspace Block Europe Central (FABEC)'s ambition of implementing and operating a large-scale free route airspace in the high-density core of Europe. ✈



# ATCA

Air Traffic Control Association

The ATCA Bulletin (ISSN 0402-1977) is published monthly by the Air Traffic Control Association.  
Periodical postage paid at Alexandria, VA. \$5.00 of annual dues are allocated for the publication of the ATCA Bulletin.  
POSTMASTER: Send address changes to ATCA BULLETIN, 1101 King Street, Suite 300, Alexandria, VA 22314.

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Alexandria, VA 22314  
Suite 300  
1101 King Street

Air Traffic Control Association  
**ATCA**

