

Competition for the Sky 2008



“Managing the Competing Demands within the National Airspace System”

September 30, 2008 – Tuesday, Day 1

KEYNOTE SESSIONS: Marking & Lighting/Wind Turbines & Long Range Radars
General Session Moderator: George Heckert, CGH Technologies, Inc.

**Grand Ballroom A will be the location for all General Sessions.*

8:00 AM **Welcome and Opening Remarks by Randy H. Walker, Chairman of Airport Council International (ACI) North America – Director of Clark County Department of Aviation**

TOPIC 1

MARKING AND LIGHTING: The FAA’s primary tool for obstruction avoidance during visual flight is to mark and light the obstruction; however a recommendation is synonymous with an FAA Determination of “No Hazard”. Many issues regarding lights in the NAS and their effect on Migratory Birds, Wind Turbine Lighting configurations, community “Light” pollution and pilot conspicuity has put into question some of the FAA’s long-standing practices. This topic will investigate some of these issues as well as discuss new trends and technologies that the FAA is investigating.

8:20 AM **FAA Marking and Lighting Mission**

8:35 AM **Wind Turbine Lighting Study**

8:50 AM **Migratory Birds (how lighting effects birds), Michigan State University**

9:05 AM **Marking and Lighting New Trends**

9:20 AM **Lights Out / NOTAMS**

9:35 AM **PANEL DISCUSSION with Q/A**

9:50 AM **BREAK**

TOPIC 2

WIND TURBINES / LONG RANGE RADARS: This Topic will examine the growing pressure placed on one of the Nation’s diminishing natural resources, the airspace, and how wind energy is fueling this pressure. Airspace is limited and there’s no end in sight to the wind energy’s build-out of this growing alternative energy sector. Industry experts will detail the actual and potential conflicts between the National Airspace System (NAS), general aviation, and wind energy. Included in this discussion is the pressure faced on our Department of Defense (DOD) and Department of Homeland Security (DHS) missions.

Conversely, NAS requirements place a burden on the wind turbine industry as they attempt to locate sites that would not conflict with airspace. Special emphasis will be placed on highlighting the various solutions wind energy has proposed and the “success stories” where these two competing demands have learned to share the same resource.

10:25 AM **FAA Aeronautical Studies – Wind Turbine Process**

10:40 AM **Long Range Radar/ NEXRAD (USAF)**

10:55 AM **Long Range Radar Technical Discussion**

11:10 AM **Wind Turbines and the effects on NAVAIDS**

11:25 AM **PANEL DISCUSSION with Q/A**

11:40 AM **BREAK**

KEYNOTE LUNCH SPEAKER

12:00 noon

Special Sponsor Keynote Speaker

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EDUCATIONAL TRACK SESSIONS – From 1:30 PM – 4:00 PM

**BREAK will be at 2:30 pm – 3:00 pm*

SESSION 1 1:30 PM – 2:30 PM

Track 1 **Migratory Birds, Michigan State University**

An in depth examination on how migratory birds are impacted by the competing demands in the NAS. Wildlife, telecommunications, wind turbine and airspace specialists are brought together to demonstrate the newest scientific research, discuss as well as answer questions on the various issues and potential solutions that will make the NAS safer for the avian community!

Track 2 **Wind Turbines Site Selection**

The need for renewable energy sources in America is undeniable. However, wind energy requires years of planning and preparation to find suitable locations to develop. By the time a location is identified and the financing is secured, one of the last hurdles before actual construction is to conduct an FAA Aeronautical Study (AS). All too often, development plans are jeopardized by difficult issues resulting from the AS that have few mitigation solutions.

Wind energy and the aviation community must find ways to share the nation's airspace. Join industry leaders and voice your opinion on this subject to assist the FAA in developing processes to accomplish this important collaborative goal.

Track 3 **The Obstruction Evaluation/Airport Airspace Analysis (iOE/AAA[®]) External Site Explained**

Moderated and demonstrated by the developers of this system, CGH Technologies, Inc., participants will learn the ins-and-outs of interfacing with the FAA's internet site.

Topics covered will be - e-filing FAA Forms 7460-1 and 7460-2, FAA Notice Criteria, case tracking, downloading and searching, and communicating with the FAA's Obstruction Evaluation Team Specialists. Time will be allowed for making your suggestions and voicing your concerns in an effort to improve the efficiency of the site.

**This Track will be available in Session 2.*

Track 4 **FAA's iOE/AAA[®] Internal Program**

Participants will gain an insider's look at the FAA's responsibilities in evaluating an obstruction to air navigation and the technologies utilized as well as the collaboration required to arrive at a Determination.

Moderated and demonstrated by the developers and users of the iOE/AAA[®] system, this Track will provide an honest and transparent look into the Aeronautical Study process.

**This Track will be available in Session 2.*

Track 5 **Airport Council International (ACI)**

Airports Council International is the only global trade representative of the world's airports. ACI represents airports interests with Governments and international organizations such as ICAO, develops standards, policies and recommended practices for airports and provides information and training opportunities to raise standards around the world. Airports are a pillar of international air transport. To adequately safeguard their interests and their influence, the global airport industry needs a strong voice. ACI is that voice.

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SESSION 2 3:00 PM – 4:00 PM

Track 1

FAA Marking and Lighting Options

Join the leading Marking and Lighting manufactures, installers, and innovators as they provide a detailed explanation on the FAA's requirements and demonstration of the various options to accomplish those requirements. This Track will provide a close examination of the Obstruction Collision Avoidance System (OCAS) that the FAA is researching to approve for use in the NAS.

Track 2

Wind Turbines Effects on Radar

Participate in the definitive discussion on the conflict between wind turbines and our Nation's Radar surveillance systems. Industry leaders and government officials will detail the conflicts, current research, and potential mitigation solutions to this growing problem.

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Track 5

Airport Obstruction Standards Committee (AOSC)

In the mission to harmonizing the FAA airport obstruction policies, AOSC is charged with developing a transition strategy to guide the application of obstruction standards for airports and operations. The AOSC serves as the vehicle transforming outdated, inconsistent obstruction standards practices to future policy that optimally balances operational safety, effectiveness, and economic benefit.

**BREAK will be at 4:00 pm – 4:30 pm*

Ballrooms A, B, C, D, and E will be the location for all track sessions, which seat up to 100 people auditorium style with internet connection, microphones, podium, projectors and screens. Exhibit area will be located in Ballroom F. Moderators will be identified for all track sessions.

WRAP-UP SESSIONS – From 4:30 PM – 5:00 PM

**Grand Ballroom A will be the location for the Wrap-up Session – moderated by George Heckert, CGH Technologies, Inc.*