



ARSAG INTERNATIONAL

THE AERIAL REFUELING SYSTEMS ADVISORY GROUP

Newsletter

January '09

ARSAG '09

7 - 9 APRIL
BALLY'S LAS VEGAS

The annual conference of the Aerial Refueling Systems Advisory Group (ARSAG International) will be held in April at Bally's Las Vegas. The conference general assembly will convene at 0830 on Tuesday, 7 April.

The conference will include briefings, important addresses by general officers, break-out meetings, guest speakers, discussions and exhibits. The agenda includes special focus group break-outs on Wednesday afternoon. An Exhibitors' Reception on Tuesday evening will highlight the displays presented by aerospace industry and military organizations. On Monday, 6 April, the ARSAG Workshop / DOD Joint Standardization Board (JSB) for Aerial Refueling Systems will meet. Special meetings for ARSAG Panel Chairs and Steering Group and for briefers will be held on Monday. Tentatively, a tour at Nellis AFB, the home of the USAF Thunderbirds, is scheduled.

ARSAG '09 offers:

- military and industry delegates;
- DoD Joint Standardization Board (JSB);
- distinguished key-note and guest speakers;
- timely briefings and reports;
- interactive discussions, question & answer sessions
- break-out meetings for special topics;
- first-class conference & hotel facilities; and
- interesting and informative exhibits.

A draft agenda is attached. This agenda will be completed during the Planning Meeting, 22 January of ARSAG Steering Group and Panel Chairs.

This year's conference comes at a challenging time for both aerospace industry and military organizations. The aim of the ARSAG '09 conference is to offer an efficient, cost effective method to facilitate the valuable work of these organizations as they meet the tests of today's environment.

Ready to Fly

F-22 Raptor pilot, Capt. Brandon Zeurcher, performs pre-flight functions Jan. 14 on the runway at Kadena Air Base, Japan. Six F-22s arrived Jan. 10 as part of a three-month deployment in support of U.S. Pacific Command's security obligations in the region. (U.S. Air Force photo/Senior Airman Clay Lancaster)



Note from the Chairman

"Interoperability –“Key to Progress” That is our ARSAG '09 Conference Theme and that is what we are charged to do. Interoperability is not just another buzz word. It is one of the lifeline factors that makes aerial refueling a true international standard that we all know and use so effectively. The specifications and standards currently in work will do nothing less than improve and enhance our systems and procedures.

I never tire of dumping platitudes and issuing thanks for jobs well done to our panel leadership, briefers and ARSAG Workshop and JSB Working Groups for their untiring efforts and outstanding results. The folks at the OSD Defense Standardization Office recognize all this and give us high, high marks. You members of the ARSAG technical working core can take another bow - - you've earned it. You make things better and life easier in forging together the Industry builder and the Military user.

The Panels and Working Groups will be putting the finishing touches on several documents and projects in the Winter Meeting in January and at ARSAG '09 in Las Vegas. You will be getting a thorough report of all this progress in the general membership sessions. And you will have the grand privilege of hearing from many of our most senior military and industry leaders on the roles of our Allied tanker and airlift forces around the world. It is all well worth the price of admission as we say. I look forward to seeing you there in April.

Martin L. Vukich, Chairman, ARSAG International

ARSAG '09 Hotel Reservation Information

Bally's Las Vegas

3645 Las Vegas Blvd South
Las Vegas, NV 89109

ARSAG '09 conference attendees will make hotel reservations directly with Bally's. You may call the hotel at 1-800-358-8777 or 702 967-4111 on or before 6 March 2009.

You must identify yourself as part of the Aerial Refueling Group to receive the special group rate of \$124 per night.

All reservations must be guaranteed with a deposit for the first night's guestroom and tax charge. If reservation is guaranteed to a credit card, a first night's guestroom and tax charge, per guestroom, will be billed immediately to the cardholder's account.

Bally's allows individual attendees the right to cancel their guestroom reservations without penalty up to seventy-two (72) hours prior to the attendees' scheduled arrival date. Check-in time is 4:00 PM and check-out time is 11:00 AM. Any departures after 11:00 AM are subject to the full day charge.

Tankers: From a Question Mark to today's fight

by Gen. Arthur J. Lichte
Air Mobility Command Commander

SCOTT AIR FORCE BASE, Ill. (AFNS) -- Air refueling operations continue to be amazing aerial feats, especially for people who witness the process for the first time.

For Air Mobility Command Airmen, we consider it simply part of what we do but, in reality, it is quite remarkable to have two aircraft meeting less than 50 feet apart at more than 20,000 feet above the ground traveling at speeds close to 400 miles per hour while a tanker replenishes another aircraft with the fuel necessary to continue the mission.

The amazement is even greater when one considers the first major air refueling operation happened 80 years ago when the Question Mark, a tri-engined Fokker C-2 aircraft with a crew of five, climbed into the southern California sky Jan. 1, 1929.

Over the next seven days, the crew kept the aircraft airborne through air refueling from two three-man crews operating Douglas C-1 single-engine transports that had been transformed into tankers with the addition of two 150-gallon tanks to off-load fuel.

Combined, those historic tankers made 43 takeoffs and landings to deliver 5,660 gallons of fuel, 245 gallons of engine oil, storage batteries, spare parts, tools, food, clothing and mail during the Question Mark's 150-hour and 40-minute operation.

Today's tanker fleet continues to play the vital role of sustaining

operations. Tankers underwrite our nation's ability to project power. Aircraft extend our reach to deliver the clenched fist of U.S. power to our adversaries, or the open hand of assistance to people in need.

Without tankers, our combat aircraft cannot reach their targets. Without tankers, our resupply aircraft and humanitarian relief materials cannot always reach their destinations. Without tankers, we cannot move our wounded warriors non-stop from the battlefield to the U.S. for the medical care they need.

As a nation, we're overdue on building new tankers. We must make delivery of this capability a high priority for our nation. We simply must get on with it. We're working hard to ensure Air Mobility Command is ready when the next effort begins to choose the industry partner to build our next-generation tanker.

I can understand how the group of Airmen felt at the beginning of the New Year 80 years ago. Their thoughts were likely focused on how to not only successfully demonstrate the air-refueling capability, but also make people aware of its potential significant military contributions.

Today, the question isn't how critical is the tanker to our warfighters and our national security. We know the need for a tanker is critical; it's a capability our nation simply cannot do without.

Mobility Airmen provide global air mobility -- the right effects at the right place at the right time. I look forward to a successful 2009.

Air Guard to host three KC-135 associate wings

by Lt. Col. Ellen Krenke
National Guard Bureau

ARLINGTON, Va., -- Three Air National Guard KC-135 Stratotanker wings will become active associate units beginning this summer, Air Force officials here announced Dec. 10.

Active-duty Airmen will be assigned to the 117th Air Refueling Wing in Birmingham, Ala., the 126th Air Refueling Wing at Scott Air Force Base, Ill., and the 157th Air Refueling Wing at Pease Air National Guard Base, N.H. They will begin reporting in July 2009, and the three active associations are expected to be fully operational by September 2011.

Under these associate organizations, the Air Guard wing will act as the host organization. "New Hampshire's northeast coast location and very high quality of life make it an ideal location for the active-duty Airmen to train in and operate the KC-135," said Maj. Gen. Kenneth Clark, the New Hampshire National Guard adjutant general who is also a rated KC-135 pilot.

The assigned aircrew, maintenance and support personnel will work side-by-side with Guard members flying and maintaining the Air Guard's fleet of aircraft to accomplish the wing's missions including contingency deployments such as operations Iraqi Freedom, Enduring Freedom and Noble Eagle.

All three units already have participated in these operations. Members of the 157th ARW deployed 768 Airmen to locations throughout the United States and the world in the past year. They are instrumental in the Northeast Tanker Task Force trans-Atlantic air bridge that supplies millions of pounds of fuel annually to in-flight military aircraft.

In addition to its federal mission, these units have also responded to domestic crises, including Hurricane Katrina.

In June, the Illinois governor ordered members of the 126th ARW to state active duty to support the Illinois Guard's flood control mission. More than 330 unit members patrolled levees, sandbagged and provided security to flood-ravaged towns on a 24-hour basis.

In September, the 126th completed its transition from the KC-135E to KC-135R aircraft.

The 117th ARW has roots to a flying squadron that was founded in Birmingham and federally recognized in 1922. It is one of the oldest active Air Guard flying units in the country. "The Air National Guard and Air Force have always trained together and deployed together," said Capt. Angela Rogers, a 117th ARW spokeswoman. "This initiative will close the gap and now allow us the opportunity to also work day to day together."

Air Mobility Command officials at Scott AFB will maintain administrative control of the active-duty Airmen. Air Force officials said the associated unit construct will provide greater day-to-day mission capability in the three wings through an increase in full-time manning. (continued on Page 3)

ONLINE ARSAG '09 CONFERENCE REGISTRATION IS OPEN AT
www.arsaginc.com

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"Total force integration builds on state and regional capabilities, thereby increasing economic efficiencies and enhancing the Air Force's ability to defend the homeland against emerging threats and respond to natural disasters," said Gen. Craig R. McKinley, the chief of the National Guard Bureau.

Such associations also generate efficiencies by sharing resources and reducing duplication of effort, increasing overall air refueling capability, and preserving a corporate body of knowledge. They also help to improve aircrew and maintenance expertise by capitalizing on the long-term experience of Air National Guard members.

"Partnering with regular Air Force counterparts is a win-win for the Air Force," said Maj. Gen. Emmett Titshaw, acting director of the Air National Guard. "It allows our highly experienced citizen-Airmen to share their knowledge and experience with their regular Air Force teammates, and it provides the regular Air Force KC-135 force with additional opportunities for training and deployments.

"The war on terrorism has been a total force fight all along," he said. "By combining regular Air Force and Air National Guard Airmen and resources, the total force provides tailorable units with unparalleled responsiveness and global reach."

ARSAG '09 Conference Registration is open at: www.arsaginc.com

Lining up for contact!

A B-52 Stratofortress from Minot Air Force Base, N.D. moves into position to receive fuel Jan. 9 from a KC-135 Stratotanker over the Pacific Ocean during an exercise. The B-52 is deployed to Andersen Air Force Base, Guam. (U.S. Air Force photo/Master Sgt. Kevin J. Gruenwald)



During a combat air patrol mission, an F-15 Eagle piloted by Capt. Matt Buckner receives fuel from a KC-135 Stratotanker assigned to the Pennsylvania Air National Guard's 171st Air Refueling Wing Oct. 7 over Washington D.C. The mission was in support of Operation Noble Eagle. Capt. Buckner is assigned to the 71st Fighter Squadron at Langley Air Force Base, Va. (U.S. Air Force photo/Staff Sgt. Samuel Rogers)

ARSAG CALENDAR

• **22 January '09**

Winter Planning Meeting for ARSAG Panel Chairs and Steering Group

Rosen Centre Hotel, Orlando Florida

• **23 & 24 January '09**

DOD Joint Standardization Board (JSB) for Aerial Refueling Systems & ARSAG Workshop

Rosen Centre Hotel, Orlando Florida

• **7 - 9 April '09**

ARSAG '09 Annual Conference

Bally's, Las Vegas

Contact ARSAG at: ARSAG International, P.O. Box 340638, Beavercreek OH 45434-0638; Ph: 937 431-8106; Fax: 937 431-8103, Cell: 937 760-7407; E-mail: arsaginc@earthlink.net; Web: www.arsaginc.com

ARSAG WINTER MEETING

**Rosen Centre Hotel
Orlando**

Thursday, 22 Jan - Saturday, 24 Jan

Thursday, 22 January:

Planning Meeting for ARSAG Panel Chairs and Steering Group

Friday and Saturday, 23 and 24 January:

DOD Joint Standardization Board (JSB) and ARSAG Workshop will meet.

The Rosen CENTRE Hotel is located at 9840 International Drive in Orlando, Florida.

The hotel is holding rooms for ARSAG Winter Meeting attendees at the rate of \$133.

For reservations call: 407 996-9840 or 800 204-7234.

Mention "Aerial Refueling Systems Advisory Group" to get the ARSAG rate. (The room rate is equal to the US government per diem rate.)

Thank you for staying at the Rosen Centre; your stay helps ARSAG keep its costs low and charge no fee for the Winter Meeting. Winter Meeting agendas may be found on Page 2.

Please note: The Rosen CENTRE Hotel is located adjacent to the Rosen PLAZA Hotel, the site of ARSAG '08. The Rosen CENTRE Hotel is one of three Rosen properties in the area.

Peaceful beginning



A lone F-16 Fighting Falcon from the U.S. Air Force Thunderbirds flies against the sunrise. The demonstration squadron has recently released its 2009 schedule. (U.S. Air Force photo/Kemberly Dawn Groue)

**ARSAG '09
Planning Meeting
Steering Group and Panel Chairs
Thursday, 22 January '09
Agenda**

Rosen CENTRE Hotel, Orlando

- 0800 Registration
0830 Introductions
Dex Kalt
- 0845 Review Meeting Minutes '08
Gomer Custer
- 0900 ARSAG '09 Site Review
Gomer Custer
- 0915 ARSAG Int. Operating Guidelines Presentation
Dex Kalt
- 0930 Panel Chair and Steering Group Confirmation
Dex Kalt
- 0935 ARSAG '09 Agenda Outline
Dex Kalt
- 1000 Break
- 1030 Review of Steering Group Status Reports
Wg Cdr Adrian Hayward
- 1040 Review of briefing requests
Dex Kalt
- 1050 Presentation of Draft Panel Agendas
*Lead Panel Chairs**
- Operations
Col Stuart Shaw, AMC 22 OG/CD
- System Design
Thomas Cavallaro, NAVAIR
- Interoperability Procedures & Documentation
Wg Cdr Adrian Hayward, NATO
- Reliability and Maintainability
Gary Mott, USAF / OC-ALC
- Test & Evaluation
Steve McLaughlin, NAVAIR
- Lighting and Markings
Maj Angel Canales, NATO
- Advanced Concepts
Farhad Choudhury, NAVAIR
- Industry
Wally Averill, Lockheed Martin
- Studies and Analysis
Allan Haenisch, Alion/SAF/AQ
- Training
Russ Hunter, CSC
- Safety
*Maj Scott Nichol森, US Navy Safety Center
Lt Col Jeff Smith, USAF Safety Center*
- 1130 Lunch
- 1230 Coordinate Briefings
Panel Chairs and Steering Group
- 1330 Finalize draft agenda
Panel Chairs
- 1400 Review and update Charters
- 1445 Identify departing members, nominations for award recipients
- 1515 Break
- 1545 Briefing submission instructions and briefing release clearance guidance
*Dave Sly
Dex Kalt*
- 1600 ARSAG '09 plans and suggestions
Gomer Custer
- 1615 DOD Joint Standardization Board for Aerial Refueling Systems / ARSAG Workshop Agenda Review
*Mark Burket
Dex Kalt*
- 1630 Adjourn

* Chairmanship of each panel is shared among several co-chairs

**ARSAG '09
DOD Joint Standardization Board (JSB) and
ARSAG Workshop
Friday, 23 Jan – Saturday 24 Jan. '09
Agenda**

Rosen CENTRE Hotel, Orlando

Friday, 23 Jan 09

- 0800 Registration and Introductions
- 0805 Minutes/Actions Review 18, 19, 20 Nov 08
*Mark Burket
Dex Kalt*
- 0830 Guidance for ARSAG Workshop / JSB and Overall Project Review
Dex Kalt
- 0900 Status Review, Completed and In-Process Documents
Group Leads
- 0930 Groups Breakout Meeting
- Group 1:** Harry Slusher, Boeing
Study STANAG 7191 & Guide Preparation
*Javier Yague, EADS
Jim French, Parker
Jim Reinholdt, Eaton
Rob Tipton, Lockheed Martin
Lance Cutler, Boeing
Mark Burket, USAF ASC/ENFA*
- Group 3:** Gordon Parry, MOD UK
Lighting, Formation and Markings
(Review Final Draft for Standardized Drogue Status Lights Document, Initiate AR Lighting Guide Document)
*Maj Angel Canales, NATO
Klaus-Dietrich Flade, Airbus
David Seaton, MOD, UK
Julian Chang, Boeing
Guido Mueller, German Flt. Test Center*
- Group 4:** Farhad Choudhury, NAVAIR
Maintenance Guide Document Review
(Continue Adding Lessons Learned to 1st Draft Document)
(Contingent Upon OC-ALC Participation)
- Group 5:** Tom Swiderek, Omega Air
ARSAG Recommendations & Clearance Processes
*Wg Cdr Adrian Hayward, NATO
Wg Cdr Martin Walsh, AMC/A3
Major James Pena, AMC/A3
Kevin Spradling, USTRANSCOM
MSgt Michael Cox, USTRANSCOM
Jennifer Ingmire, NAVAIR
Mark Burket, ASC/ENFA
Lt Col Jan Rump, GAF, ACC
Doreen Behmke, NAVAIR
Lt Col Philip Frazetta, USTRANSCOM*
- Briefing USTRANSCOM Office
- Group 6:** Steve McLaughlin, NAVAIR
1) Drogue Impact Test
*Chris Mouskis, Cobham
Bob Najaka, Arizona Paratroque
Bryan Edmondson, Cobham
Harald Hampp, GAF
Charles Coolidge, EADS NA*
- 2) Pressure Definitions and Terms
- 1300 Groups Continue
- 1630 Adjourn for day
- Saturday, 24 Jan 09**
- 0830 Group Leads Report Project Status and Resolve Substantive Changes
Group Leads
- 1030 Groups Reassemble & Prepare Meeting Minutes Identify Documents Ready for Distribution, Review Determine Next Meeting Agenda
Group Leads
- 1300 Adjourn

A R S A G ' 0 9

The Annual Conference of the Aerial Refueling Systems Advisory Group International

Bally's Las Vegas

7 - 9 April

"INTEROPERABILITY – KEY TO PROGRESS"

DRAFT AGENDA, 12 Jan 2009

<i>Day / Time</i>	<i>Event / Presentation</i>	<i>Speaker / Organization/Chair</i>
Sunday, 5 April		
1600 - 2000	Conference Registration	
0930 - 1700	NATO Meeting	Wg Cdr Adrian Hayward, NATO
Monday, 6 April		
0700 - 1700	Conference Registration	
1000 - 1600	European Airlift Center Meeting	
0800	ARSAG Workshop / DOD Joint Standardization Board (JSB) for Aerial Refueling Standardization	Mark Burket, ASC/ENFA, JSB Chairman; Dex Kalt , ARSAG Exec. Dir.
0800	Introductions, Review November '08 / January '09 Meeting Minutes	
0830	Review Projects Status	
0900	Individual Groups Meet	
1130	Working Lunch	
1230	Group Leads Present / Discuss Projects Status	
1315	Introduce New Projects: Scheduling and Projects for Next ARSAG Workshop / JSB Meeting	
1330	Adjourn ARSAG Workshop / JSB Meeting	
1400 - 1530	Steering Group Meeting	
1600 - 1800	Briefers and Panel Chairs Meeting	
Tuesday, 7 April		
0700	Conference Registration	
0830	ARSAG '08 General Assembly Convenes	
0830 - 0835	Introductions	
0835 - 0840	Welcome to ARSAG '09	Brig Gen Stephen Hoog, Nellis AFB *
0840 - 0845	ARSAG '09 Agenda Preview	
0845 - 0915	Keynote Speaker	General Arthur J. Lichte, AMC
0915 - 0935	Guest Speaker	Lt Gen George Trautman, III, USMC *
0935 - 0945	NATO Report	
0945	Break	
1015 - 1150	International Reports	
	Australia	
	Canada	
	France	
	Germany	
	Israel	
	India	
	Japan	
	Kingdom of Saudi Arabia	
	Norway	
	Spain	
1200 – 1330	Luncheon, Sponsored, Guest Speakers TBA	
1330 - 1345	Awards (ARSAG Founders Award, Departing Members Recognition, etc.)	
1345 – 1410	International Reports Continued	
	Sweden	
	The Netherlands	
	Turkey	
	United Kingdom	
1410 - 1500	US Military Reports	
	Army	
	Air Force	
	AFSOC	
	Navy / Marines	
	Air National Guard	
	Air Force Reserves	
1500	Break	
1530 - 1545	US Air Force Safety Center	Maj General Frederick Roggero, USAF Safety Center Lt Col Jeff Smith, USAF Safety Center
1545 – 1630	Safety Panel Reports	Center Major Scott Nichol森, USN Safety Center
1630 - 1700	ARSAG Workshops / DOD Joint Standardization Board (JSB) Report	
1700	Adjourn	
1800 - 2100	Exhibitors' Reception	

<i>Day / Time</i>	<i>Event / Presentation</i>	<i>Speaker / Organization/Chair</i>
Wednesday, 9 April		
0800 - 0815	Operations, Guest Speaker	Maj General Michael C. Gould, USTRANSCOM
0815	Operations Session	
0815 - 0915	Operational Requirements Panel	Col Stuart Shaw, AMC
0915 - 1015	Training Panel	Russ Hunter, CSC
1015	Break	
1045	Operations Sessions, continued	
1045 - 1145	Interoperability Panel -- Clearance Process	Wg Cdr Adrian Hayward, NATO
1145	Luncheon, Sponsored, Guest Speaker	
1315	Reconvene General Session	
1315 - 1330	Guest Speaker	Maj Gen Michael Lynch, ACC/CR *
	Research and Development Session	
1330 - 1430	Studies and Analysis Panel	Michael Kennedy, Rand; Andrew Bennett, LMCO Lt Gen Donald C. Wurster, AFSOC/CV *
1430 - 1445	Guest Speaker	
1445	Break	
1515	Focus Groups	
	Four Parallel Sessions, Selected Topics Based on Requests from Military and Industry	
1700	Adjourn	
Thursday, 10 April		
0800	Research and Development Session	
	Industry Panel	Wally Averill, Lockheed Martin
0930	Break	
1000	Advanced Concepts Panel	Farhad Choudhury, NAVAIR
1100	Lunch	
1230	Technical Session	
	System Design Panel	Thomas Cavallaro, NAVAIR
	Test and Evaluation Panel	Steve McLaughlin, NAVAIR
1400	Break	1500
1430	Technical Session , continued	
	Lighting, Formation, Markings Panel	Maj Angel Canales, NATO
	Reliability and Maintainability Panel	T.B.D., OC/ALC
1615	Focus Group Re-Cap	
1645	Conference Wrap-Up	
1700	Adjourn	

Friday, 11 April

Tour Nellis AFB, Thunderbirds (Tentative)

* Speaker Unconfirmed

ARSAG CONFERENCE REGISTRATION
IS OPEN AT WWW.ARSAGINC.COM

ARSAG '09 EXHIBITS

The exhibits mounted by aerospace industry and military organizations are an informative and exciting part of every ARSAG conference week.

The Pacific Ballroom at Bally's offers an attractive and convenient setting for exhibitors to display their wares, highlight their organizations' activities and interact with conference delegates.

Exhibits will be set up on Monday, 6 April. The Exhibits Grand Opening at 0730 on Tuesday morning, 7 April, will feature morning refreshments. The exhibits will be open through the conference.

Conference morning and afternoon refreshments and the Tuesday and Wednesday sponsored luncheons will be served in the exhibit ballroom.

A highlight of the conference week is the **EXHIBITORS' RECEPTION** on Tuesday evening in the exhibit ballroom. Conference delegates and their guests enjoy hot and cold hors d'oeuvres and beverages while they meet exhibitors. Contact Janet Kalt at arsaginc@earthlink.net; 937 431-8106 or 937 760-7407 to register for your ARSAG '09 exhibit.

Information regarding shipment, warehousing, rental of display furnishings is available at: www.freemanco.com

From the Desk of the Executive Director

In a 17 December memorandum, General Duncan J. McNabb, commander of U.S. Transportation Command, has shared his intent as the Department of Defense's Distribution Process Owner.

ARSAG requires a method for distribution of its operational recommendations. We have recognized the extraordinary potentialities of a relationship between USTRANSCOM and ARSAG; we have been working together during the past several months to forge a collaborative relationship.

When ARSAG representatives attended and briefed USTRANSCOM's Global Aerial Refueling Conference (GARC) at Scott AFB in October, we met individuals there, including Major General Frederick Roggero, Lt Col Philip Frazetta, Maj James Pena and MSgt Michael Cox who expressed positive views regarding the possibility of our two organizations working toward common goals. Major General Michael C. Gould, Director of Operations and Plans, U.S. Transportation Command, Scott Air Force Base has authorized members of his organization to participate in the January ARSAG Winter Meeting and in the ARSAG '09 conference in April, and he has accepted our invitation to address the conference.

Dexter H. Kalt, ARSAG Executive Director