



ARSAG 2019

Charlotte, North Carolina

9 - 11 April

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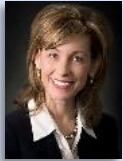
ARSAG Calendar of Events



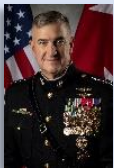
ARSAG International is honored to welcome

ARSAG 2019 KEYNOTE and GUEST SPEAKERS

Keynote Speakers



Leanne Caret is Executive Vice President of The Boeing Company and President and Chief Executive Officer of Defense, Space & Security (BDS). She is a member of Boeing's Executive Council. Named BDS president and CEO in February 2016, Caret leads the \$21 billion business that provides integrated solutions to meet the needs of defense, government, space, intelligence and security customers in the United States and around the world. Countries with a major BDS presence include Australia, the United Kingdom, India and Saudi Arabia.



General Glenn M. Walters, United States Marine Corps, Citadel Class of 1979, returned to his alma mater after serving 39 years as an officer and test pilot in the Marines. Prior to his arrival, he served as the 34th Assistant Commandant of the Marine Corps, the Corps' second-highest ranking officer. As Assistant Commandant, Walters oversaw approximately 184,000 active duty and 38,000 reserve Marines and a \$42 billion budget. His duties included representing the Marine Corps at the Department of Defense and leading decisions about defense policy and resourcing in alignment with the National Defense Strategy.

Guest Speakers



Lieutenant General Giovanni K. Tuck is the Director for Logistics, Joint Staff, the Pentagon. As the J4, he integrates logistics planning and execution in support of global operations and assists the Chairman of the Joint Chiefs of Staff in fulfilling his responsibilities as the principal military advisor to the President and Secretary of Defense. Prior to his current assignment, Lt. General Tuck was the Commander, 18th Air Force, Scott AFB, Illinois. Lt. General Tuck graduated from Southwest Texas State University in 1987 with a Bachelor of Science degree. He is a command pilot with more than 4,800 flying hours.



General Raymond E. Johns, Jr., USAF Ret. is Co-CEO, President, Government & Manufacturing of FlightSafety International. General Johns was formerly Commander, Air Mobility Command, Scott Air Force Base, Ill. Air Mobility Command's mission is to provide rapid, global mobility and sustainment for America's armed forces. Prior to assuming his current position, General Johns also served as Deputy Chief of Staff for Strategic Plans and Programs, Headquarters U.S. Air Force, Washington, D.C., where he developed, integrated, evaluated and analyzed the U.S. Air Force Future Years Defense Program.



Roberto I. Guerrero, a member of the Senior Executive Service, is the Deputy Assistant Secretary of the Air Force for Operational Energy, Office of the Assistant Secretary of the Air Force for Installations, Environment and Energy, Arlington, Va. Mr. Guerrero is responsible for providing oversight and direction for the formulation, review and execution of plans, policies and programs for the Air Force's operational energy bill in support of its global mission. Mr. Guerrero earned his commission as an ensign in the Navy through Aviation Officer Candidate School in 1988 and received his wings as a Naval Aviator in 1989. In 2000, Mr. Guerrero was selected for inter-service transfer to the Air Force.



Major General Laurent Marboeuf, Commander, European Air Transport Command (EATC), Eindhoven Air Base, The Netherlands. Maj General Marboeuf was formerly Commander of Air Mobility and Support Brigade at the Air Forces Command, Bordeaux-Merignac, Deputy Head of the joint Permanent Secretariat of the Aeronautics Maintenance Repair Overhaul at the French Air Force Air Staff, Paris. He has been awarded the Officer of the Legion of Honor and Officer in the National Order of Merit.



ARSAG 2019

9 – 11 April

Charlotte, North Carolina

AGENDA

Monday, 8 April

0800 – 1700 Registration, Check-in, Badging
1715 Briefers' Meeting, for Presenters & Panel Chairs

Tuesday, 9 April

0700 Exhibits Grand Opening

Check-in, Badging

0800 Welcome, Introductions

Lt Gen John B. Sams, Jr. USAF, Ret.
ARSAG Chairman, Chief Executive Officer

0810 Keynote Address

Leanne Caret, President, CEO Boeing
Defense, Space & Security

0900 International Military Status Reports

Dion Polman, EDA, Moderator

NATO IS/DINATO AIRCOM

EDA

JAPCC/NATO AARWG

MMF

MCCE

Australia

France

Germany

Dion Polman

Col Edwin Markie

Lt Col Guenter Koch

Lt Col Gianluca D'Angelo

Gp Capt Steven Pesce

Maj Francois Gilbert

Lt Col Ralf Becker

0950 Coffee, Exhibits & Networking

1020 Israel

Italy

Japan

The Netherlands

United Kingdom

Contract Aerial Refueling

Col Luca Tonello

Maj Tomoki Oshiro

Lt Col Andy Van Alphen

Flt Lt Steve Margetts

Tom Swiderek, Omega Air

1200 Luncheon

Guest Speaker

James Burgess, Boeing

1305 ARSAG Awards

1335 Keynote Address

General Glenn M. Walters, USMC, Ret.
President, The Citadel,
Former Assistant Commandant USMC

1425 Coffee, Exhibits, Networking

1455 United States Military Status Reports

USN/USMC

US ARMY

USAF/AMC

USAF Reserves

Moderator: Lt Col James Blech, USAF TRANSCOM
Farhad Choudhury, NAVAIR, JSB Chair

1530 United States Military Safety Reports

AMC Safety

US Navy

International

Moderator: Lt Col Walt Borja, AMC

Lt Col Walt Borja, AMC

LCDR Harland Hendricks, NAVAIR

Tuesday, 9 April, continued

- 1600 **ARSAG Workshop / JSB Report**
Document Process, Initiation to Publication
Recently Published ARSAG Documents
Introductions
In-Work ARSAG Documents Status Reports
- 1645 Adjourn
- 1800 **Exhibitors' Reception**

Farhad Choudhury, NAVAIR, JSB Chair

David Benson, AFLCMC/EZFA, JSB Deputy Chair
ARSAG Workshop/JSB Document Managers

Wednesday, 10 April

- 0700 Exhibits Open, Registration, Check-in, Badging
0800 Introductions
- 0805 **Guest Speaker**
0835 **Operations Panel**
0840 KC-46 Not Your Grandfather's Tanker
0850 KC-46 Capabilities Brief
0900 A330 MRTT "Phenix" Entry into Service
0910 A400M Tanker: 2 Crew Concept
0920 KC-135 RTIC (Real Time Information in the Cockpit)
0930 Q & A
0935 Coffee, Exhibits, Networking
1000 **Training Panel**
1005 Pilot Training Next
1015 KC-46 Training Squadron Update
1025 Weapons School Update
1035 Aircrew Training
1045 Improved Performance through Improved Training
1055 Q & A
1100 **Interoperability Panel**
1105 Update on Certification Specifications
1115 Panel Discussions
- 1145 Q & A
1150 **Luncheon**
Guest Speakers
- 1250 **ARSAG Awards**
1320 **Reliability & Maintainability Panel**
1325 KC-46 MX, Designed with the MX Person in Mind
1335 Condition Based Maintenance Evolution - Future
1345 Innovative Engine Wash - Technology & Impact
1355 FR300 Hose Reel Upgrade
- 1405 Q & A
1410 **Keynote Speaker**
- 1440 Coffee, Exhibits, Networking
1520 **Guest Speaker**

Lt Gen John B. Sams, Jr. USAF, Ret.
ARSAG Chairman, Chief Executive Officer
Lt Gen Giovanni K. Tuck, USAF, Joint Staff, J4
Col Gregory (Happy) Gilmour, 315 AW/CC
Col Kevin Rainey, 931 ARW OG/CC
Col Kevin Rainey, 931 ARW OG/CC
Maj Francois Gilbert, French Air Force
Ignacio Lombo, Airbus
Bobby Fowler, David Fountain, Collins Aerospace

Lt Col Justin Capper, 54 ARS/CC
Lt Col Paul Vicars, PTN
Lt Col Brent Toth, 56 ARS/CC
Maj William Dowd, 509 ARS/CC
Alvaro Abraldes, VP, Training CASS
Paul Langholz, Collins Aerospace

Col Ed Markie, JAPCC
Maj Kees Verburg, RNLAF
David Benson, AFLCMC/EZFA
Maj Kees Verburg, RNLAF
James Payne, NAVAIR
Gp Capt Steve Pesce, RAAF

Ioannis Papachristofilou &
Ignacio Lombo, Airbus Defence and Space

Greg Twyford, Boeing
Col Kevin Rainey, 931 ARW OG/CC
John Maggiore, Boeing
Jorge Saenz, AeroCore Technologies
James Kemmitt / Steve Schroeder /
Colin Slater, Cobham Mission Systems

General Raymond E. Johns, Jr., USAF, Ret.
Co-CEO, FlightSafety International

Roberto I. Guerrero, Deputy Assistant Secretary
Air Force (Operational Energy) SAF/IEEN

Meeting Rooms

Plenary Sessions: Symphony Ballroom 4 – 7
Exhibits, Coffee/Networking, Reception, Luncheons: Carolina Ballroom

Wednesday, 10 April, continued

1550	System Design Panel	Tom Cavallaro, NAVAIR
1555	A3R: Automatic Air-to-Air Refueling	Juan Cabrera, Airbus
1605	Wideband HF Communications	Richard Hayden, ASB Avionics
1615	KC-46 Boom Aerial Refueling System Design	Justin Hatcher, Boeing
1625	Hose Reel Variable Displacement Drive System	Asher Bartov, Federal Industries
1635	Q & A	
1640	Test & Evaluation Panel	Chris Nickell, NAVAIR
1645	Receiver Simulator Tool, Flight Test Findings	Guillermo Ortiz, USAF 418 th Flight Test Squadron
1655	Airbus Flight Test Update	Ignacio Lombo, Airbus
1705	Boom Signal Coil Issues, Flight Test Resolution	Thien AnHoang, French MoD Flight Test Center
1715	KC-46 Flight Test Optimization Lessons	Jonathan Latall, Boeing
1725	Q & A	
1730	Adjourn	

Thursday, 11 April

0800	Introductions	Lt Gen John B. Sams, Jr. USAF, Ret. ARSAG Chairman, Chief Executive Officer
0805	Guest Speaker	Maj Gen Laurent Marboeuf, FAF Commander, European Air Transport Command
0835	Advanced Concepts Panel	Farhad Choudhury, NAVAIR
0840	MQ-25 Overview	CDR Michael Kline, NAVAIR; Skyler Myrick, Boeing
0900	Automated Aerial Refueling Scheduling	TBD
0910	Defensya Boomerang	Alberto Adarve, Defensya
0920	Q & A	
0925	Studies & Analysis Panel	Tom Swiderek, Omega Air
0930	Aerial Refueling Model	Carl Lude, OSD CAPE
0940	Q & A	
0955	Break	
1010	Industry Panel	Tom Swiderek, Omega Air
1020	AirTanker Update – 2019	Mick Soul/Geoff Winterbottom, AirTanker
1030	Air-to-Air Refueling Solutions by Airbus	Jeronimo Amador, Airbus
1040	The Use of Modeling to Supplement Flight Test	James Kemmitt, Cobham Mission Systems
1050	Defensive Aids Systems for Multi-Mission Tankers	Roberto Scotto di Vettimo/Andrea Usai, Elettronica
1100	KC-130 Improved Refueling Pod Flight Tests	Mike Bandak, Northstar
1110	Boeing Tankers – Past, Present and Future	Pam Valdez, Boeing
1120	Q & A	
1125	Wrap-up	Lt Gen John B. Sams, Jr. USAF, Ret. ARSAG Chairman, Chief Executive Officer
1135	Plenary Session Adjourns	
1300	ARSAG Steering Group Meeting	Dex Kalt, ARSAG Executive Director
1400	Focus Topic Seminar	
1400	AFRL Research on Automation in Aerial Refueling	Ba Nguyen, AFRL/RQQC
1600	Adjourn	

Auxiliary Meeting

Monday, 8 April

0800	NATO/JAPCC Meeting, by invitation	Col Edwin Markie, JAPCC
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Plenary Sessions: Symphony Ballroom 4 – 7
Steering Group: Governors 5/6

Exhibits, Coffee/Networking: Carolina Ballroom
Focus Topic Seminar: Symphony

Meeting Rooms



ARSAG 2019 AWARDS

FOUNDERS AWARD

Chief Master Sergeant Greg Oveson, USAF, Ret.

Chief MSgt Greg Oveson was the first Secretary of the Aerial Refueling Systems Advisory Group (ARSAG) and hosted the first ARSAG meetings in 1978. He was instrumental in the founding of ARSAG within HQ Strategic Air Command (SAC), leading to the international organization it is today.

Greg Oveson enlisted in the United States Air Force July 29, 1954. Soon, he was a trained boom operator and acting First Sergeant of the 41 AREFS at Griffiss AFB. He went on to HQ SAC where he was the MAJCOM Manager of Aerial Refueling Systems Acquisition.

Greg is this year's 2019 recipient of the ARSAG Founders Award in recognition of his special contributions to ARSAG and to aerial refueling. Among his accomplishments while ARSAG Secretary, he sponsored an ARSAG recommendation for requiring dual aerial refueling capability on all future general support tankers. With the help of the US Navy and SAC, the ARSAG recommendation was adopted in a new DOD policy that was initiated by the Department of the Air Force and the Department of the Navy on 10 July 1981.

Greg played a major role in implementing and obtaining SAC support of service testing of the high-flow-rate pumping system, the tail mounted floodlight on the KC-135 and KC-10, and the KC-10 lighting test program. He worked with ARSAG in support of a tanker aircraft independent hose reel drogue refueling system that improved SAC's capability to support Navy, Marine and NATO operational requirements.

Chief MSgt Oveson was there at ARSAG's inception. Dexter Kalt often spoke of Greg's forward thinking and commanding presence as factors in his ability to get things done. We all are indebted to Greg for his work as a leader in aerial refuelling development, and service to the Aerial Refueling Systems Advisory Group.

EXCEPTIONAL SERVICE TO AERIAL REFUELING

Air-to-Air Refueling Section, Joint Air Power Competence Centre

The AAR Section of the Joint Air Power Competence Centre based in Kalkar Germany is presented with the ARSAG award for exceptional service to Aerial Refueling for their continuous efforts to increase AAR interoperability within NATO and beyond.

The JAPCC AAR Section is the custodian of all the NATO AAR Allied Tactical Publications, STANAGs and Standards Related Documents (SRDs). JAPCC representatives have chaired ARSAG's Interoperability Procedures and Documentation Panel and served as Co-Lead of ARSAG's Clearance Processes and Procedures Working Group.

As a key player for AAR Procedures, the JAPCC AAR Section, led by Colonel (S) Edwin Markie, organized several Table Top Exercises to increase awareness on Technical and Operational Compatibility Assessment and also ensured the new version of the ATP 3.3.4.2 was ratified. The highly experienced, dedicated and professional team of JAPCC's AAR Section spares no efforts in active contributions to improving the operational interoperability of aerial refueling and the further development of the worldwide aerial refueling procedures and practices.

JAPCC as an organization is to be NATO's catalyst for the improvement and transformation of Joint Air and Space Power, delivering effective solutions through independent thought and analysis. The Air to Air Refueling Section certainly leads this effort now, and into the future.

Colonel Gregory (Happy) Gilmour

Col Greg "Happy" Gilmour brings exceptional expertise and unique experience to the aerial refueling community from his 33+ year career in the United States Navy and the United States Air Force Reserve. Col Gilmour started his service to ARSAG in 2012 and since day one has been the Chair of the Operations Panel, ensuring valuable and informative sessions to the aerial refueling community at large.

Col Gilmour has been an operational aerial refueling pilot, both tanker and receiver, for 20 years serving in many key leadership positions. In these positions, he has been responsible for helping to train the next generation of aerial refueling pilots and crews in both receiver and tanker operations. Col Gilmour has commanded at every level: Squadron, Group, and Wing including commanding a combat squadron in Operation Iraqi Freedom. He has always championed for better training, better systems, and better integration between all US and Allied forces.

As Commander of the 916th Air Refueling Wing, Col Gilmour was responsible for consolidating and improving one of the first associate units combining a regular Air Force aerial refueling squadron into his Reserve wing. The results of his efforts were not only a large increase in capability and aircraft utilization but also an outstanding record and example of how the total US Air Force can and should work together. During his time in this position, Col Gilmour was the lead advocate for new and improved aerial refueling tactics, systems, and training.

In his current role as Commander of the 315th Airlift Wing, Col Gilmour continues his record of excellence and service to aerial refueling. As the commander of receiver-capable C-17s, he has continually sought out opportunities to improve the relationship and understanding of aerial refueling concepts and operations between the receiver and tanker communities. His wing is one of two C-17 units authorized to fly aerial refueling missions on the new KC-46 aircraft. These efforts will define the operational parameters for all units to follow.

For Col Gilmour's long and distinguished service and passion for aerial refueling, he has been awarded ARSAG's Exceptional Service to Aerial Refueling Award.



EXCEPTIONAL SERVICE TO ARSAG

James W. Reinholdt

James W. Reinholdt has a long and distinguished history of exceptional service to ARSAG and the International aerial refueling community. An engineer of outstanding skills and performance, his work and his mark can be found on virtually every component of the fuel systems of the fleets of military tankers and receiver aircraft in use throughout the world.

Long associated with the major Industrial designers and manufacturers of aerial refueling systems and components, he has been a major force for over twenty years in ARSAG in refining these systems and integrating them throughout the United States, NATO, and Allied Air Forces. He has been responsible for conceptual designs and development for several components of aerial refueling systems.

Jim served as Lead Fuel System Engineer for the EADS-CASA Advanced Refueling Boom System for the A330 MRTT and was responsible for the qualification and certification of all aerial refueling system components for the KC-46A Pegasus. He designed a new advanced boom nozzle incorporating independent disconnect system and a new pump with a constant outlet pressure. He holds two patents on these components. Jim is an engineer of distinction and a valuable contributor to ARSAG. It is with tremendous pride that we honor him for his exceptional service to ARSAG!

Thomas Coggeshall

Thomas C. Coggeshall has been awarded the Exceptional Service to ARSAG award for his dedicated and distinguished service over the last 23 years. During this time, Thomas has accepted continually higher levels of responsibility and has become the backbone of ARSAG daily operations.

While Thomas may have started this journey because of his love of everything aviation and his desire to serve, he has grown his role into something that no one would have ever imagined. Thomas is key and essential to every aspect of ARSAG: from the JSB, to Board meetings, to annual meetings, and daily business operations. Thomas is quite literally the face of ARSAG. He single-handedly researched, planned, and executed our website redesign and refresh, saving ARSAG countless dollars and frustration each year. He personally maintains and updates the website on an almost daily basis and is responsible for the accuracy of all information published. Thomas also maintains all ARSAG computer and media equipment. In short, if ARSAG had a Chief Technology Officer, he would be it.

Thomas manages the process for defining where we will hold our annual meetings and workshops. While the Board makes the final decision based on the recommendation of the site selection team, Thomas works with our contractor to identify viable cities and manages the proposal process from the various hotels. He does the majority of the negotiations and over the years has been able to reduce the mandatory food and beverage spend to historic lows. Thomas is the primary point of contact with the hotel as well as the show vendor.

On the financial side, Thomas is both the Accounts Receivable and the Accounts Payable departments. He manages the booth and individual registration process for all three meetings as well as manages the Corporate sponsorship program.

No one person knows as much about the day-to-day operations of ARSAG as does Thomas. He is the backbone of this organization and if ARSAG was an NFL team, Thomas Coggeshall would be designated our Franchise Player. It is with tremendous pride we honor Thomas Coggeshall with this Exceptional Service to ARSAG Award.

Dion Polman

As a long-standing member of the European Defense Agency (EDA), Dion Polman has been involved in and made great contributions to ARSAG and in several ARSAG Workshop / JSB Working Groups. Since an ARSAG meeting had not been held outside the United States for many years, it was suggested by Dion that an ARSAG JSB Workshop in Brussels, Belgium, could encourage greater European participation. As a result, the 10-11 September 2018 ARSAG Workshop / JSB was held in Brussels in coordination with EDA's Air to Air Refueling Conference on 12 September. ARSAG's Chairman/Chief Executive Officer moderated both meetings.

Dion's vision for the advantages of a jointly-held meeting and his excellent planning resulted in a highly successful event. ARSAG meeting attendees were invited to attend the EDA Air to Air Refueling Conference with speakers from the very highest levels in Europe such as the Belgian Minister of Defense; EDA Chief Executive; Assistant Secretary General NATO Defense Investment; Commander of EATC and many others.

Dion has consistently been willing to contribute to ARSAG and its work. His leadership and his positive representation of a European viewpoint have been extraordinarily beneficial. Dion's positive attitude, professionalism and energy are contagious in any ARSAG Panel and Workshop Group where he is active. It gives ARSAG International great pleasure to recognize Dion Polman as one of this years' recipients of the Exceptional Service to ARSAG Award!



Thank you to ARSAG 2019 supporters:

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ARSAG INTERNATIONAL

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Gomer C. Custer
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Greg Bagwell
Air Marshal, RAF, Ret.
Cobham

Gregory M Pasfield
WGCDR, RAAF
Gaylestone Aerospace

Alex Thagard
Lt Colonel USAF, Ret.
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Thomas Swiderek
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Richard Raiford
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Jeffrey Bernhard
CAPT USN, Ret.
Collins Aerospace
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Stephen Matthews
Cobham Mission Systems
(Alternate Member)

Ulick McEvaddy
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Colonel, USAF, Ret.
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Steven A. Roser
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Elbit Systems of America

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John J. Gomez
Colonel, USAF, Ret.
Pratt & Whitney, Military Engines

James A. (Slim) Morgan
Colonel, USAF, Ret.
GE Aviation
ARSAG Chief Financial Officer

Allan E. Haenisch
Aerospace Consultant

Richard K. "Keith" Traster
Colonel, USAF, Ret.
FlightSafety International

Charles H. Coolidge, Jr.
Lieutenant General, USAF, Ret.
Airbus Defence and Space
(Alternate Member)

Stan Skavdal
GE Aviation
(Alternate Member)

Bruce LaCharite
FlightSafety International
(Alternate Member)

Martin L. Vukich
Chairman Emeritus
ARSAG Board of Directors

Advisors to the Board:

Dexter H. Kalt
ARSAG Founder, Executive Director

Farhad H. Choudhury
NAVAIR
JSB Chairman

David Benson
USAF AFLCMC/EZFA
JSB Deputy Chairman

Mark A. Pillar
Major General, USAFR, Ret
Aerospace Consultant

Janet Kalt
ARSAG Administration Manager

Lloyd R. Thomas
OSD DSPO
DOD Joint Standardization Board

Kenneth D. Lewis, Jr.
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Jerry Martinez
Major General, USAF, HQ AMC/A3

Thomas Cavallaro
NAVAIR

Javier Yague
Airbus Defence and Space

Robert P. Tipton
Lockheed Martin

Edwin J. Markie, Jr.
Colonel USAF, JAPCC, NATO AARWG

Thomas Coggeshall
ARSAG Operations Manager

Mark A. Shelly
Aerospace Consultant



ARSAG STEERING GROUP

Australia	FLTLT Nic Barnes
Belgium	Maj Bert Thurman
Brazil	Lt Col Sergio Mourao Mello
Canada	Maj Gary Giacomuzzo
France	LTC Michael Kestemont
Germany	Lt Col Thomas Loweg
Israel	Maj Eran Stroul
Italy	Lt Col Giuseppe Addesa
Kingdom of Saudi Arabia	Maj Fahad Suliman
Singapore	LTC Ian Tan Eng Keong
Spain	Maj C. E. Domenech Salvador
Sweden	Capt Fredrik Bergstrom
The Netherlands	Maj Andy van Alphen
Turkey	Capt Esref Sayil
United Kingdom	Sqn Ldr Gordon Parry
European Defence Agency	Dion Polman
Movement Coordination Centre Europe	Lt Col Mauro Del Giudice
USAF HQ AMC/A5QT	TBD
US Army, AED	Nathan Fulks
US Marine Corps	TBD
US Naval Safety Center	LCDR John Lynch
US Navy, OPNAV	Maj Adam Jeppe
AF/A5RM	Lt Col Steven T. Gibson
AETC 54 ARS/CC	Lt Col Justin Capper
US Air Force Safety Center	Maj William Covert
NAVAIR	Farhad Choudhury
US Air Force Reserves	Col Greg (Happy) Gilmour
USAF AFLCMC/EZFA	David Benson
NATO JAPCC	Col Edwin Markie
AMC/A3	Lt Col Greg Auerbach
HQ AFSOC/A5RM	Lt Col Michael Millward
AFLCMC/WKDAB	TBD
USTRANSCOM	Richard Simms
Contract Aerial Refueling	Tom Swiderek
ARSAG Secretary	Gomer Custer
ARSAG Executive Director	Dex Kalt



ARSAG PANELS / PANEL CHAIRS

Operations

Col Greg (Happy) Gilmour, 916 ARW/CC

Lt Col Ed Schierberl, AMC/A30
Richard Simms, USTRANSCOM
Capt Evan Shields, Canadian Forces
Slim Morgan, GE Aviation
Chris Hargett, 505th CTS
Glenn Hanbey, Boeing

System Design

Thomas Cavallaro, NAVAIR

Jim Turner, Products Support, Inc.
Joshua Tokarz, AFLCMC/EZFA
Derek Ferwerda, NAVAIR
Harry Slusher, Boeing
Ted Dinh, Parker Hannifin
Javier Yague Lopez, Airbus
Matthew Latham, Parker Hannifin
Nathan Fulks, US Army
Mark Shelly, Consultant
Andy Tilley, Icon Polymer
Mark Burket, AFLCMC/EZFA

Interoperability Procedures & Documentation

Col Edwin Markie, NATO, JAPCC

David Benson, AFLCMC/EZFA
Lt Col Greg Auerbach, HQ AMC/A3
Richard Simms, USTRANSCOM
Lt Col Mauro Del Guidice, ITAF (MCCE)
Jessica Graham, AFLCNC/WKE
Lt Col Christoph Thoben, USAF HQ ACC/A3TV
Dion Polman, European Defence Agency
Tom Swiderek, Omega Air
Geoff Winterbottom, AirTanker
Kees Verburg, RNLAf
Laurent Donnet, SkyTech
Greg Pasfield, Gaylestone Aerospace

Training

Lt Col Justin Capper, AETC 54 ARS/CC

Jacob Benscoter, CASS/ADSI MRTT Training

Test & Evaluation

Christopher Nickell, NAVAIR

T. J. Pitsor, AFLCMC/EZFA
Lt Col Federico Fedele, Italian AF
Abby Perraut, AFLCMC/WISV
Jamie Smith, AFMC 773 TS/ENFM
Frank Finkelstein, Northrop Grumman
Sean Martin, Boeing
Patrick J. Statham, Eaton

Advanced Concepts

Farhad Choudhury, NAVAIR

Ba Nguyen, AFRL/RQQC
Steve McLaughlin, NAVAIR
Antonio Cano-Gonzales, Airbus Military
James Clayton, Boeing
Ken Klar, Cobham Mission Equipment
Terry Schmuck, Boeing

Reliability & Maintainability

Greg Twyford, Boeing

Wes Durant, AFLCMC
Ken McCain, Northrop Grumman
Kenny Koontz, Boeing
John Gomez, Pratt & Whitney
Scott Yerxa, Boeing
Maj Andrew Nye, AFLCMC/WKDA
TBD, AFMC 550 ACSS/DO
Timothy Wee, Cobham
Mike Bandak, Northstar
Orlando Chiarello, Secondo Mona

Industry / Studies & Analysis

Tom Swiderek, Omega Air

Bruno Martinez, Airbus
Steve Perry, Boeing

Safety

Lt Col Ed Schierberl, AF-RE

Paul Pillar, Boeing
Lt Col Walt Borja, AMC
TBD, US Navy Safety Center
TBD, USAF Safety Center



ARSAG CHARTER

Scope:

The Aerial Refueling Systems Advisory Group (ARSAG) is a joint military-industry professional organization formed to provide a single inter-service and international agency to advise on aerial refueling system matters. It will serve as a coordinating/advisory body for the resolution of existing deficiencies in tanker and receiver aerial refueling systems and for the development and implementation of improvements to these systems. All efforts of this group are to assist engineering, development, testing, support and operating agencies. The group will not usurp the authority of any of these agencies, organizations or countries.

Authority:

Approval of this charter will be the authority for the formation and operation of the Aerial Refueling Systems Advisory Group. ARSAG is formally chartered by the Department of Defense as the DOD Joint Standardization Board (JSB) for Aerial Refueling Systems as prescribed by DOD 4140.24-M.

Objective:

To influence achievement of the most favorable balance of performance and cost in aerial refueling systems, resulting in the highest degree of compatibility, capability and interoperability to the total tanker/receiver fleets.



ARSAG INTERNATIONAL CALENDAR OF EVENTS

2019	
ARSAG Workshop /JSB Meeting 10 – 12 September	<i>Holiday Inn</i> Dayton (Fairborn) Ohio
2020	
Winter Meeting Planning Meeting for Panel Chairs ARSAG Workshop / JSB Meeting 4 – 6 February	<i>Holiday Inn</i> Dayton (Fairborn) Ohio
ARSAG 2020 21 - 23 April	<i>Renaissance Hotel</i> Cleveland, Ohio

ARSAG 2019

ADDENDA

Tuesday, 9 April

1530 United States Military Safety Reports

AMC Safety
US Navy, USMC
International

Moderator: Lt Col Walt Borja, AMC

Lt Col Walt Borja, AMC

LTCOL Glen J Reukema, NAVSAFECEN

Focus Topic Seminar

Thursday, 11 April

1400 hrs

Symphony 1 Meeting Room

AFRL Research on Automation in Aerial Refueling

- Introduction
- AFRL Refueling Automation Research
Presenter : Mr. Dan Schreiter
- Automated Aerial Refueling Using Visual RelNav Preliminary 2019 Flight Test Result
Presenter: Dr. Scott Nykl
- Multi Sensor Relative Navigation for RPV AAR
Presenter : Mr. PD Weber



ARSAG INTERNATIONAL
Aerial Refueling Systems Advisory Group

Serving the Aerial Refueling Community Since 1978

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