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# Defence Aviation Safety 2024

**2nd - 3rd October 2024
Hilton London Kensington, London, United Kingdom**

### Day One - 2nd October 2024

#### 8.00 Registration & Coffee

#### 8.50 Chair's Opening Remarks

**Air Commodore Sam Sansome,** Inspector of Safety, RAF Safety Centre, **Royal Air Force**

#### 9.00 DE&S and Advancing UK Defence Aerospace Safety

* DE&S – Providing aerospace operational capability whilst managing risk to people and platforms
* Fixed-wing and rotary-wing safety assurance and airworthiness
* Utilising AI, automation and data analytics for air safety
* UAV integration, airworthiness and certification updates
* Working with industry to promote risk reporting and safety development

**Mr Keith Bethell,** Director General Air, **DE&S, UK MoD**

#### 9.30 Always Rising Again — Delivering Safe and Innovative Training for RAF Personnel

* Developing the risk management concept for RAF training
* Safety challenges to flight and ground personnel training
* Key technologies which are enhancing the future of safe flight training
* Future requirements to enhance safety assurance within training

**Air Commodore Rob Caine,** Head of Flying Training, **Directorate of Flying Training, No. 22 Group, Royal Air Force**

#### 10.00 Session Reserved for Sponsor

#### 10.30 Morning Coffee

#### 11.00 Swift to Attack…Safely

* Measuring safety across Number 1 Group operations
* Managing risk and mid-air collisions
* Evolving the safety training of Number 1 Group personnel
* Future improvements and requirements

**Air Commodore Howard Edwards,** Combat Air Force Commander, No. 1 Group, **Royal Air Force**

#### 11.30 Promoting Competence & Safety for German Military Aviation

* The role of the Fight Safety Department in delivering German air superiority through increased safety
* Flight safety inspections and investigations – successes and challenges
* Safety considerations for the integration and operation of military UAS in the Bundeswehr
* Cooperation between the Flight Safety Department and industry in promoting efficient and effective platform service delivery

**Brigadier General Armin Havenith,** Commander, Aviation Safety Department, **German Air Force**

#### 12.00 U.S. Army Combat Readiness Center — Enabling Readiness Through Risk Management

* Preserving U.S. Army readiness through analysis, training, and the development of systems to prevent accidental loss.
* Fostering a safety culture to prevent injury, occupational illness, and mishap losses, by increasing situational awareness, continuously applying the risk management process, and enforcing standards.
* Updates on recent safety training exercises, and a look at future priorities/focus areas.

**Brigadier General Jonathan Bryom,** Director of Army Safety/Commanding General, **U.S. Army Combat Readiness Center**
**Command Sergeant Major Jeann P. Alcedo,** , **U.S. Army Combat Readiness Center**

#### 12.30 Networking Lunch

#### 1.30 Session Reserved for Sponsor - Robin Radar Systems

#### 2.00 US Air Force Safety Center 2024 Strategic Plan: Increase Combat Power Through Risk Management, Training, and Analysis

* Exploiting the latest technology and professional expertise to analyze mishaps and operational trends
* Ensuring the USAF Safety enterprise is trained, agile, and ready to integrate new operational concepts
* Progress update on achieving the six safety goals identified in the 2024 Strategic Plan

**Colonel Michael Thomas,** Deputy Chief of Safety, **U.S. Department of the Air Force**

#### 2.30 Delivering Safe Air Superiority

* Command Overview
* Mishap Prevention Program
* The Future

**Colonel Jesse S. Doyle,** Director Air Safety, **Air Combat Command, USAF**

#### 3.00 Panel Discussion: US Military Flight Safety — Strategies, Challenges and Innovations

* What are the most effective strategies currently being employed to enhance military flight safety for US military organisations?
* What are the primary challenges faced by US military forces in maintaining high standards of flight safety?
* How can technological innovations and advancements contribute to improving flight safety in US military aviation?

#### Moderator: Air Commodore Sam Sansome, Inspector of Safety, RAF Safety Centre, Royal Air Force Brigadier General Jonathan Bryom, Director of Army Safety/Commanding General, U.S. Army Combat Readiness Center Colonel Michael Thomas, Deputy Chief of Safety, U.S. Department of the Air Force Colonel Jesse S. Doyle, Director Air Safety, Air Combat Command, USAF Colonel Everett Good, Director, CMC Safety Division, United States Marine Corps Captain (N) Mike Hoskins, Director, Aviation Safety Programs, Naval Safety Command, US Navy

#### 3.30 Afternoon Tea

#### 4.00 Session Reserved for Sponsor

#### 4.30 Enabling Aviation Readiness for the US Navy Warfighter

* Success stories from US Navy aviation safety initiatives
* Aviation training and maintenance management
* Optimising the Risk Management Information (RMI) Initiative as a safety capability
* Future priorities for US naval aviation safety

#### Captain (N) Mike Hoskins, Director, Aviation Safety Programs, Naval Safety Command, US Navy

#### 5.00 Chair's Closing Remarks and Close of Day One

**Air Commodore Sam Sansome,** Inspector of Safety, RAF Safety Centre, **Royal Air Force**

# Defence Aviation Safety 2024

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### Day Two - 3rd October 2024

#### 8.15 Registration & Coffee

#### 8.50 Chair's Opening Remarks

**Air Commodore Sam Sansome,** Inspector of Safety, RAF Safety Centre, **Royal Air Force**

#### 9.00 RAF Safety Centre — Enhancing the Future of Aviation Safety Management

* Key safety updates from the Centre
* Adapting to the changing operating environment
* Hazard Identification and Risk Management
* Future aspirations for RAF safety management

**Air Commodore Sam Sansome,** Inspector of Safety, RAF Safety Centre, **Royal Air Force**

#### 9.30 Capability First, Safety Always — Enabling Operational Readiness for Australian Military Aircraft

* An overview of the Australian Defence Aviation Safety Program (DASP)
* Key upcoming programs within the DASA Aviation Safety Policy Roadmap – Including the DASR SMS changes
* Incident reporting and accident investigations – Successes and challenges
* Airworthiness and certification priorities and future requirements

**Air Commodore Joseph Medved,** Director General, Defence Aviation Safety Authority DASA, **Royal Australian Air Force**

#### 10.00 Session Reserved for Sponsor

#### 10.30 Morning Coffee

#### 11.00 Human Factors: Bridging the Gap Between Humans and Technology

* Human Factors of Flight-deck Automation
* Automation Philosophy and its developments
* The impact of cockpit automation on crew coordination and communication
* Unveiling the Power of Human Factors in Safety Management
* The 6th generation challenges

**Brigadier General Roberto Di Marco,** Chief of the Italian Flight Safety Inspectorate ItAF ISV, **Italian Air Force**

#### 11.30 Advancing Military Flight Safety for Spanish Air and Space Force Operations

* Enhancing safety culture within Spanish Air Force training and operations
* Reducing flight accidents through risk reporting and training
* Aviation safety successes and challenges for the Spanish Air Force Aviation
* Future Developments and Software Implementations

**Colonel Enrique Fernandez Ambel,** Flight Safety Section Chief, **Spanish Air and Space Force**

#### 12.00 Ensuring Safety at the Forefront of Future Swedish Air Operations

* Enhancing safe Agile Base Employment for global operations
* Future safety priorities for the Swedish Air Force

**Lieutenant Colonel Per Hard af Segerstad,** Director Air Safety, **Swedish Armed Forces**

#### 12.30 Networking Lunch

#### 1.30 Enhancing the USMC's Aviation Combat Readiness Through Risk Management

* Aviation Safety priorities for the USMC from the CMC Safety Division
* Fostering a culture of force preservation and enhancement through safety
* Successes from aviation safety initiatives led by the CMC Safety Division
* Risk Management and reporting requirements for UMSC aviation
* Safety considerations for introducing UAVs into USMC operations

**Colonel Everett Good,** Director, CMC Safety Division, **United States Marine Corps**

#### 2.00 Establishment of the MHTC - First Year of Operation

* An overview of the MHTC activity
* Analysis of the results
* Next steps for interoperability and standardization
* Future priorities for the MHTC
* The Portuguese Perspective

**Colonel Jorge Inacio,** Commander, **Multinational Helicopter Training Centre (MHTC)**

#### 2.30 Panel Discussion: Adapting to the Digital Age in Aviation Safety

* How are safety organisations utilising new technologies such as AI and data analytics to move towards predictive flight safety?
* What are the key challenges and opportunities in implementing Unmanned Traffic Management (UTM) and Advanced Air Mobility (AAM) systems for improved electronic conspicuity?
* What emerging technologies have the potential to significantly impact and enhance defence aviation safety in the near future?

**Air Commodore Sam Sansome,** Inspector of Safety, RAF Safety Centre, **Royal Air Force**
**Brigadier General Roberto Di Marco,** Chief of the Italian Flight Safety Inspectorate ItAF ISV, **Italian Air Force**
**Brigadier General Jonathan Bryom,** Director of Army Safety/Commanding General, **U.S. Army Combat Readiness Center**

#### 3.00 Afternoon Tea

#### 3.30 Session Reserved for Sponsor

#### 4.00 Thinking Airworthiness in Wartime

* Key updates on NATO airworthiness
* Challenges to airworthiness during wartime
* Future requirements for continuing airworthiness to maintain effective military operations

**Mr Stéphane Coperet,** Officer Airworthiness & Certification, **NATO**

#### 4.30 Chair's Closing Remarks and Close of Day Two

**Air Commodore Sam Sansome,** Inspector of Safety, RAF Safety Centre, **Royal Air Force**

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