**Defence Aviation Safety**

**Day One | Monday 29th April 2019**

### KEYNOTE AVIATION SAFETY BRIEFINGS

**9.00 Senior RAF Keynote Address**

#### German implementation of a Total System Approach to Safety in Air Operations
- The German MAA Approach to safety
- DLR and German Armed Forces projects to find new and innovative safety process
- Cyber resilience technologies emerging to defeat the threat and keep military aircraft safe

*Major General Gunter Katz, Director General, German Military Aviation Authority*

**10.00 Session Reserved For Lead Sponsor**

#### The Royal Air Force Safety Centre: Assuring Air System Safety For Maximum Capability and Delivery
- RAF Safety Management Systems
- Managing new and aging aircraft
- Creating a safety culture across the Royal Air Force
- Using data for future safety improvements across the Royal Air Force

*Air Commodore Mark Jeffery, Head of RAF Safety Centre, Royal Air Force*

**11.00 Morning Coffee**

### ROTARY SAFETY-OPERATIONS AND EQUIPMENT MANAGEMENT

**11.30 Managing Complex And Varied Rotary Operations Whilst Ensuring Safety**
- How JHC manage safety cases and priorities
- Delivering rotary support for the UK armed forces: why safety must be front of mind for all operations
- Engineering and maintenance considerations for platform turnaround and rapid deployment

*Rear Admiral Jon Pentreath, Commander, Joint Helicopter Command, Army Head Quarters*

**12.00 Session Reserved For Gold Sponsor**

#### DELS Strategies to Ensure Safe Operations of UK Helicopter Platforms
- Creating a safety culture across DELS
- Optimising airworthiness through a more effective certification process
- Safety standards and metrics
- Ensuring all platforms are mission ready and at full operational capacity

*Air Vice Marshal Graham Russell, Director Helicopters, DELS UK MoD*

**1.00 Networking Lunch**

### OPERATIONAL SUPERIORITY AND SAFETY PRIORITIES

**2.00 Typhoon Force: Delivering Air Superiority and Combat Effectiveness Whilst Ensuring Safety**
- The role the Typhoon force plays in supporting UK operations at home and abroad
- Enabling complex deployment of air assets across a global network
- Keeping safety front of mind when delivering air power through fast-jet and ISR platforms
- Feedback from recent combat operations and how these are driving future safety considerations

*Air Commodore Mark Chappell, Typhoon Force Commander, Royal Air Force*

**2.30 Maximising Combat Operations Whilst Maintaining Airworthiness and Safety**
- Ensuring a rapidly deployable and agile USMC Aviation Capability
- Airworthiness priorities and standards
- Keep safety in mind when developing next generation aviation capability

*Brigadier General Bradford J Gering, Assistant Deputy Commandant Aviation, US Marine Corps*

**3.00 Ensuring Combat-Ready Forces For Rapid Deployment**
- Why safety must remain the number one priority of the US Air Force
- Examining challenges to air safety in the modern battlefield:
  - Overcoming Cyber Threats
  - UAS and Counter UAS strategies
  - The Rise of urban warfare
- Weapon Systems Safety
- Working with allied forces to improve mutual recognition of platforms and systems

*Colonel Steven G. Owen, Director of Safety for Air Combat Command, ACC, US Air Force*

**3.30 Afternoon Tea**

### MAXIMISING AIRWORTHINESS

**4.00 Ensuring Airworthiness UK MoD Platforms and Systems**
- Creating a safety-first culture at DE&S
- Engineering priorities to keep platforms rapidly deployable and airworthy
- Through life support safety certification
- Enhancing capability through risk avoidance and safety processes
- Working with Industrial Partners for safety assurance

*Mr. Timothy Rowntree, Director Safety & Environment, Quality and Technology, DE&S UK MoD*

**4.30 Maximising Aviation Safety and Military Air Worthiness Across the french Armed Forces**
- The DSAE’s supervisory and regulatory role within civil and state aviation
- Improving Mutual Recognition to reduce the certification process and deliver aircraft into service faster
- Using data and evidence to drive future safety
- Future plans to improve the integration of new aircraft into the fleet

*Brigadier General Laurent Aubigny, Director State Aviation Authority, French Armed Forces*

### SAFETY FOR UAS

**5.00 How to conciliate operational and safety requirements – The NATO Global Hawk AGS Case**
- Colonel Filippo Trigilo, (Italian Air Force) Vice Directorate, Technical, 1st Office Chief – Airworthiness Directorate For Air Armaments And The Airworthiness (Daac), Italian Ministry Of Defence

**5.30 US Navy UAS Safety Priorities**
- The rise of UAS in Naval Operations across the US Navy
- Regulatory and certification requirements
- Implementing new UAE platforms- MQ-8 Fire Scout, RQ-20 Puma, RQ-21 Blackjack, RQ-26 Aerostar platforms

*Rear Admiral Mark Leavitt, Commander, US Navy Safety Center*

**6.00 Chairman’s Closing Remarks and Close of Day One**

*Lieutenant General Richard Felton CBE, Director General Defence Safety Authority, UK MoD*
Day Two | Tuesday 30th April 2019

Defence Aviation Safety

1.00 Networking Lunch

1.30 INTERNATIONAL LEADERSHIP PERSPECTIVES

11.00 The Royal Norwegian Air Force’s Safety Priorities
- Safety ownership and governance across the Norwegian Air Force
- Maintenance and engineering safety standards
- Certification and onboarding of the F-35
- The need for leadership create a strong safety culture

Brigadier General Rolf Folland, Norwegian Air Force

11.30 Strengthening Certification Processes To Ensure Successful Airworthiness Of Key Aviation Programmes And Platforms
- The roles and responsibilities of the Defence Aviation Safety Authority
- Working with fast Jet, Fixed Wing and Rotary Platforms
- Certifying UAS platforms
- The need for enhanced mutual recognition of allied used air platforms

Air Commodore Jason Agius, Director General - Defence Aviation Safety Authority, Royal Australian Air Force

12.00 Session Reserved For Gold Sponsor

12.30 Challenges for Improved Aviation Safety Across the Netherlands Armed Forces
- The thin line between operational necessity and breaking the rules
- To report, or not to report… how just is our culture?
- Changing the culture of safety through leadership
- Future plans and focus for the Military Aviation Authority NLD

Air Commodore Jan-Paul Apon, Director Military Aviation Authority, Royal Netherlands Air Force

MILITARY AVIATION AUTHORITY PROGRAMME UPDATES

2.00 Roles and responsibilities of the Swedish MAA and the certification process of JAS39 Gripen E
- Safety priorities for Fast Jet, Fixed Wing and Rotary Platforms
- Examples of aviation safety cases
- Certification procedures for the JAS39 Gripen E
- Creating a safety culture for future air mission planning

Colonel Anders Janson, Head of Aviation Safety, Swedish Armed Forces Headquarters

2.30 Performance, Safety and Interoperability of Air Platforms and Systems
- Establishing safety standards and requirements of the Finnish Armed Forces Air platforms and systems
- Interoperability between the Civil and Military Aviation
- Example of certification and compliance
- Safety Culture challenges

Colonel Kimmo Norlaja, Director, Military Aviation Authority, Finnish Armed Forces

3.00 Military Aviation Airworthiness For The Czech Armed Forces
- Structure and Responsibilities of the Czech Republic’s MMA
- Accident investigation and management
- Certification and mutual recognition of new platforms and aviation air systems
- An update on MATC successes for joint safety and training requirements

Colonel Lubomir Sitta, MAA CZE Director, Military Aviation Authority of the Czech Republic

3.30 Afternoon Tea

STRATEGIC AIR LIFT CAPABILITY AND NATO

4.00 Safe Strategic Air Lift For Operations Of The German Bundeswehr
- Military (MCCE and EATC) as well as commercial companies providing capabilities
- Major requirements and procedures (Customs, Air freight security, Dangerous goods) to ensure Strategic Air Lift
- Challenges in a multinational environment

Lieutenant Colonel Harald Struzyna, Head of Department Heavy Lift Transport, Logistikzentrum Der Bundeswehr

4.30 Implementing the NATO Airworthiness Policy (NAWP)
- Presentation of the NAWP
- Implementation of the NAWP
- NATO Recognition Process (NRP)
- Action Plan
- Actual Implementation

Richard Dutiez, Armament & Aerospace Capabilities Directorate, NATO HQ

5.00 Chairman’s Closing Remarks and Close of Day Two

Lieutenant General Richard Felton CBE, Director General Defence Safety Authority, UK MoD