

**09:00 Welcome & Chairman's Opening Remarks**

**Group Captain Mark Manwaring, Commander, Joint Air Land Organisation, HQ Air Command, Royal Air Force**

**Air Land Integration Session****09:15 – AOC 1 Group Keynote Presentation**

**Air Vice Marshal Harvey Smyth OBE DFC MA, Air Officer Commanding 1 Group, Royal Air Force**

No 1 Group coordinates all of the RAF's frontline, fast-jet force elements and the Intelligence Surveillance, Targeting and Reconnaissance (ISTAR) work. The Group has to ensure the RAF stays one step ahead in an uncertain world. The presentation will focus on Peer/Near Peer Adversary and CAS in a Contested Urban Environment.

**10:00 – Air-Land C2 in Europe- USAFE TACP Perspective**

**Colonel Jay "Riva" Reeves, 4th Air Support Operations Group, United States Air Force**

- Intro: 4 ASOG (Air Support Operations Group)
- Delivering joint fires
  - Opportunities defined
  - JTAC to JFAC
  - Airspace & Fires deconfliction
- 4 ASOG Efforts
  - Air Support Operations Center (ASOC) & AOCCs
  - Fight Tonight Capability
  - Integration with NATO and eFP Countries
- Discussion

**10:30 – Coffee****11:00 – CAS in contested environments, a credible option?**

**Lt Col Julien Dezemery, Doctrine and Transverse studies, Air Warfare Centre, French Air Force**

- Contested Environments - What are we talking about?
- Joint Force Commander priorities, & impact on Air Power apportionment
- Needs of Surface Operations – what the supported commander wants!
- Airpower employability – what the supporting commander may deliver!
- Convergence
- Conclusion

**11:30 – JFAC to JTAC and the Black Hole in Between (the Joint Air/Land Command and Control System)**

Wg Cdr Neil Bishop - Commanding Officer UK ASOS

The thrust of the presentation will be the apparent emphasis from Defence on the two ends of the C2 spectrum and the associated lack of coherency with regards to the essential elements in between.

**12:00 - JTAC Simulation in a collective environment**

**Bill Dunn, President and David Bolduc, CEO, QuantaDyn Corporation**

**12:30 – Lunch****14:00 – Air Support to Defence Operational Training (ASDOT)**

**Commander Martin Barlow Royal Navy, Air Support to Defence Operational Training Requirements Manager, HQ Air Command (Air Capability)**

- Programme overview.
- Necessity for change.
- Early engagement with Industry and Partner Nations.
- Key benefits for UK JTAC and ALI training.
- Potential future developments.

**14:30 –Using image geo-registration for targeting and situational awareness.**

**Tommy Hulton, Senior Director Business Development, Vricon**

Vricon offers high-accuracy 3D data for decision makers. Data is provided globally, based on your areas of interest. The process uses commercial satellite imagery and does not require ground control points. Vricon serves the entire professional geospatial market, with an initial focus on defense, security, and infrastructure. Vricon's technology enables imagery content to accurately represent all visible objects on the earth in 3D, and the products provide customers with unmatched value and utility, superior coverage relative to aerial-derived elevation models, and superior fidelity and availability relative to other satellite-derived models.

**15:00 – FasTAK**

**Gareth Thomas MBE, European BD Manager, Joint Fires, Rockwell Collins UK**

- Solving the Big Picture Joint Fires problem
- Digitally Aided CAS/Fires
- Data Link processing, Configuration options, Power and Data Management

**15:30 – Tea/Coffee****16:00 – Reaper/Protector ISTAR Programme**

Sqn Ldr Bryn Williams, SO2 Protector, ISTAR HQ, Royal Air Force

- Programme overview
- UK CAA certification
- Training hours to support JTAC training
- Sentinel & Rivet Joint

**16:30 – Panel Discussion – The Contested Environment**

- What is the contested environment?
- Operating in a Comms/GPS denied environment
- Operating in a hostile air defence environment
- C2 and Rear brief comms links – How far?
- The desired effects from air.

**17:15 – Day one wash up. Conference Adjourns****17:15 – 19:00 – Drinks/Social among exhibits**

**09:00 Chairman's Opening Remarks**

**Group Captain Mark Manwaring, Chief of Staff, Joint Air Land Organisation, HQ Air Command, Royal Air Force**

**JTAC & CAS Session****09:00 - Future Development of UK Close Air Support**

**Wg Cdr Jason Wells, SO1 Equipment Capability, JALO**

- New UK DACAS course overview
- VMF capability in support of collective training in UK and Kenya
- Digital JARN in BOLD QUEST
- JTAC transition to SATURN once Havequick II sunsets
- UK roadmap to fully Link 16 capability by 2027

**09:45 - Digital Interoperability with APASS and precision targeting**

**David "Manny" Ramsey, DPSS Technical Director, NAVAIR, US Navy**

The brief will cover the top level of who DPSS is (Digital Precision Strike Suite Team), and will talk a little history of PSS-SOF and how we got to where we are with two main product lines now.

- DIEEE (Digital Imagery Exploitation Engine), our Window product line that integrates the DOD's only approved Collateral Damage Estimation software (DCIDE) as a module in DIEEE. DIEEE also is NGA validated for several mensuration capabilities and was recently selected by the US Airforce as the Advanced Targeting Tool suite of record.
- KILSWITCH our baseline Android software is also NGA validated with PSS-SOF Mobile imbedded inside, to allow dismounted operators to generate precision coordinates either with stereo pairs or with PFI (Precision Fires Images). Two offshoot derivations of KILSWITCH are the FMS and SOF version called APASS (Android Precision Assault Strike Suite) which had many additional features like DACAS capabilities integrated with Staudertech's MJECL software, and the USMC Infantry Program of Record version called MAGTF Common Handheld (MCH).

**10:30 – Coffee****11:00 – Air NG JTAC Simulation Program**

**Mr Ronald Kornreich, Program Manager Simulation Systems, US Air National Guard**

The presentation will describe the latest generation of immersive simulation system used to train US Air National Guard JTAC's.

**11:45 – UK F-35B Lightning in the Air-Surface/CAS environment.**

Lt Cdr Adam Hogg, XO, 617 Sqn

- The UK Lightning Force
- Air-Gnd Capabilities
- Communications
- Close Air Support role
- Electronic Warfare

**12:30 – Lunch****14:00 – Green Flag West Tactical Trends**

**Lt Col Adam Markel, 549th Combat Training Squadron Commander, USAF**

The briefing will cover a short background on what Green Flag exercise is, and the tactical deficiencies and challenges observed in MCO/CDO CAS.

**14:45 – The United States Marine Corps CAS program**

**Lt Col Thomas Lee, Headquarters Marine Corps, Marine Aviation, Aviation Weapons and Requirements Branch**

- USMC TACP Overview
- USMC TACP Advocacy and Training Requirements
- Contract Close Air Support
- Simulation
- TACP Suite and Digital Interoperability
- MAGTF Training Approach

**15:30 – Polish CAS Program**

**Lt Col Jarosław Neffe, Commander TACP Training Center, Polish Air Force University**

- Program overview
- JTAC Initial Qualification Course
- SIM-VE and SIM-LE in JTAC Training

**16:15 – Closing remarks/summary**

**Gp Capt Mark Manwaring, Commander, Joint Air Land Organisation**

**16:30 Conference Closes**