Milsatcoms Conference Programme

Friday 5th March 2021

09.00	Virtual Platform open for participants to log-on, complete their profile and familiarise themselves with the platform. Meeting hub will be open to schedule meetings with colleagues and sponsors. Meetings can take place on the platform from 9am to 18.00 from Monday 8th March to Friday 12th March.

Tuesday, 9 March 2021

13:45	**IET & Chairman's welcome and introduction** **Dave Davis MBE**, Technical Director, **ST Engineering iDirect,** UK
	Milsatcom landscape
14:00	**MoD Keynote** **Captain David Moody**, **MoD UK Strategic Command,** UK
14:30	**The Role of Satellite Communications in the Digital Backbone: A Communications Services Convergence View** - BT's use of space in delivering communications services to meet customer's critical business needs - Future trends - Potential implications for the MOD's digital backbone. **Justin Hodges,** Senior Specialist, Major Government**, BT**
15:00	**Networking and exhibition** 1. Break-out room – **Dave Moody and Justin Hodges available for additional Q&A** 2. Break-out room - **Space Based Assured PNT – Should a Commercial Market Determine its Own Future? Discussion moderated by Ian Annett,** Deputy CEO for Project Delivery**, UK Space Agency** 3. **Smart AI matched networking 2 people video chats for 2 minutes**
15.20	**Break and exhibition**
	Defining your space strategy
15:30	**Delivering certainty in an uncertain world: the path to growth and sustainability in military satcom** **Nick Shave**, Vice President, Strategic Programmes, **Inmarsat Global Government,** UK
16:00	**Evolving landscape of milsatcom and what can be learnt from enterprise and consumer solutions** - Emerging behaviours and technologies - Futureproofing your business capabilities - Industry best practices and procedures

	Neil Fraser, Director – Defence and Space Programmes, **NSSLGlobal Ltd,** UK
16.30	**Technology and Partnerships: Driving Innovation** **Richard Budd,** Head of Secure Communications UK & US, **Airbus Defence and Space**
16:40	**Networking and exhibition** 1. Break-out room – **Nick Shave and Neil Fraser available for additional Q&A** 2. Break-out room **– Technology and Partnerships: Driving Innovation – Richard Budd available for Q&A** 3. **Smart AI matched networking 2 people video chats for 2 minutes**
17:00	**Close**

Wednesday, 10 March 2021

13.45	**Chairman's welcome** **Kevin Shaw,** SKYNET 6 Programme Director**, MOD UK Strategic Command,** UK
14:00	**Building scalable, resilient and innovative infrastructures** - What are the space and ground segments to consider for new infrastructure? - Overcoming the challenges around security and bandwidth - Upcoming projects and solutions **Mike Rudd**, Head of Telecommunications Strategy, **UK Space Agency,** UK
14:30	**Deliver, Innovate, Prosper for the UK** **Richard Budd,** Head of Secure Communications UK & US, **Airbus Defence and Space**
14.40	**Isotropic**
15:10	**Networking and exhibition** 1. Break-out room **– Mike Rudd available for additional Q&A** 2. Break-out room **– Richard Budd available for additional Q&A** 3. Break-out room **– Isotropic available for additional Q&A** 4. **Smart AI matched networking 2 people video chats for 2 minutes**
15:30	**Break and exhibition**
Overcoming space threats	
15.40	**Mitigating the impact of extreme weather and dynamic space environment on satellite communication** - Understanding the ever-changing space environment - Mitigation for satellite communications - New developments in space weather sensing and monitoring **Gemma Attrill,** Principal Scientist**,** Space Environment Project Technical Authority and Space Weather Lead, **Dstl,** UK
16.10	**Overcoming security challenges through Space Situational Awareness** - Regulations and SST guidelines across Europe - Mitigating the risks of collisions by effectively monitoring and avoiding debris - Lessons learned from the current debris removal missions **Serge Plattard,** Deputy Director**, Space Domain, UCL,** UK

16:40	**Networking and exhibition**
	1. Break-out room – **Gemma Attrill and Serge Plattard available for additional Q&A**
	2. **Smart AI matched networking 2 people video chats for 2 minutes**
17.10	**Close**

Thursday, 11 March 2021

13.45	**Chairman's welcome** **John Parkinson,** General Manager**, SES Defence,** UK
	Industry trends
14:00	**Emerging markets and challenges for the milsatcom industry** **Ian Annett**, Deputy CEO for Project Delivery, **UK Space Agency,** UK
14:30	**What secondary payloads makes sense for a military comsat?** - Going beyond the information exchange requirements of the war fighter - Assessing the novel secondary payload capabilities - Providing these capabilities without major, expensive modifications to either the satellite platform or its communications payload **Stuart Eves,** Director, **SJe Space**, UK
15:00	**Networking and exhibition** 1. Break-out room **- Ian Annett and Stuart Eves available for additional Q&A** 2. Break-out room **- Space debris: Setting a framework for clear policy options. Discussion moderated by Serge Plattard,** Deputy Director, **Space Domain, UCL** 3. Break-out room **- The role of industry and academia in supporting innovation and development for cutting edge defence applications**. **Discussion moderated by David Dean,** Senior Principal Engineer, **DSTL** 4. **Smart AI matched networking 2 people video chats for 2 minutes**
15:20	**Break**
15:30	**Changing times and how to deliver Service Management in a smarter, more agile, user friendly and flexible way.** - The GovSat-1 satellite, state-of-the-art technology - Delivering services in a smart(er) way - everything you always wanted to know but were too afraid to ask - Adapting to a new age of mobility and data hungry applications **Russ Hogan,** Service Operations Manager, **GovSat**
16:00	**The Convergence of Terrestrial and Space Communications for Mission Critical Networks** - Review the current use cases for satellite communications in 4G LTE and 5G mission critical networks - Consider future applications for further enhancing the digital backbone **Andy Sutton**, Principal Network Architect, **BT**
16:30	**Networking and exhibition**

	1. Break-out room – **Russ Hogan and Andy Sutton available for additional Q&A**
	2. **Smart AI matched networking 2 people video chats for 2 minutes**
17:00	**Close**

Friday, 12 March 2021

13:45	**Chairman's welcome** **Dave Davis MBE,** Technical Director, **ST Engineering iDirect,** UK
	Upcoming technologies
14:00	**Turning tides for milsatcoms** - Hybrid threats and emerging technologies - Impact of digital transformation and 5G on satellite communication - Artificial intelligence and cognitive electronic warfare systems **Ralph Thiele,** President, **EuroDefense,** Germany
14:30	**Exploiting Mega-constellations for Hybrid Positioning and Connectivity** - Characteristics of Mega-constellations and associated waveforms - System Concepts for High Accuracy, High Resilience timing and positioning - Deployment considerations for in-theatre hybrid connectivity and positioning **Paul Febvre,** CTO, **Satellite Applications Catapult,** UK
15:00	**Networking and exhibition** 1. Break-out room – **Ralph Thiele and Paul Febvre available for additional Q&A** 2. Break-out room - **What is the right balance between Sovereign, Commercial, and Allied capacity/capability to meet future military SATCOM requirements in the evolving threat environment? Discussion moderated by Nick Shave,** Vice President, Strategic Programmes**, Inmarsat Global Government,** UK 3. **Smart AI matched networking 2 people video chats for 2 minutes**
15:20	**Break**
15:30	**The future of satellite terminals - technology trends for small terminals** - Analysing the industry shift towards very small aperture terminal (VSAT) - Man-Portable Data Terminals for rapid deployment - Trends in technology for small terminals **Jon Godfrey,** General Manager**, Paradigm Communications Systems,** UK
16:00	**Proliferated LEO architectures and Milsatcom use cases** - What is Proliferated-LEO and what problems does it fix in a Milsatcom architecture - How is P-LEO going to change the way defence users procure satcom as a service - How do Starlink and OneWeb differ and what services users might expect to see in 2021 **Dylan Browne,** Head of Government, **OneWeb,** UK
16:30	**Additional Questions Jon Godfrey and Dylan Browne**
16:40	**Participant engagement/gamification prize and closing remarks**