



Conference Programme

8 June 2020

08:30	Registration and refreshments
Milsatcom landscape	
09:00	IET & Chairman's welcome and introduction <i>Dave Davis, MBE, Technical Director, VT iDirect</i>
09:10	MoD Keynote : Analysing the space landscape and how is Brexit impacting the UK's space industry? <i>Senior Representative, MoD</i>
09:50	Case study by Airbus: challenges and opportunities for the Milsatcom industry
10:30	Refreshments and networking
Defining your space strategy	
11:00	Delivering certainty in an uncertain world: the path to growth and sustainability in military satcom <i>Nick Shave, Vice President, Strategic Programmes, Inmarsat Global Government</i>
11:40	Evolving landscape of milsatcom and what can be learnt from enterprise and consumer solutions <ul style="list-style-type: none"> - Emerging behaviours and technologies - Futureproofing your business capabilities - Industry best practices and procedures <i>Neil Fraser, Director – Defence and Space Programmes, NSSLGlobal Ltd</i>
12:20	Lunch and exhibition
13:20	Building scalable, resilient and innovative infrastructures for milsatcom <ul style="list-style-type: none"> - What are the space and ground segments to consider for new infrastructure? - Overcoming the challenges around security and bandwidth - Upcoming projects and solutions <i>Mike Rudd, Head of Telecommunications Strategy, UK Space Agency</i>

14:00	<p>What secondary payloads makes sense for a military comsat?</p> <ul style="list-style-type: none"> - 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 <p><i>Stuart Eves, Director, SJe Space</i></p>
14:40	Refreshments and networking
Overcoming space threats	
15.10	<p>Mitigating the impact of extreme weather and dynamic space environment on satellite communication</p> <ul style="list-style-type: none"> - Understanding the ever-changing space environment - Mitigation for satellite communications - New developments in space weather sensing and monitoring <p><i>Gemma Attrill, Principal Scientist, Space Environment Project Technical Authority and Space Weather Lead, Dstl</i></p>
16.10	<p>Overcoming security challenges through Space Situational Awareness</p> <ul style="list-style-type: none"> - 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 <p><i>Serge Plattard, Deputy Director, Space Domain, UCL</i></p>
16:50	Close of Day One
17.00	Networking Drinks

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09:00	<p>Chairman's opening</p> <p><i>Dave Davis, MBE, Technical Director, VT iDirect</i></p>
Industry trends	
09:05	<p>Mobile Milsatcom applications – all you need to know!</p> <ul style="list-style-type: none"> - Mobile applications on a high throughput and new military satellite - Looking at land, air and maritime mobile applications - Case studies and lessons learned <p><i>Paul Wells, Vice President Government Satellite Communications, GovSat</i></p>
09:45	<p>Emerging trend and challenges for the global milsatcom industry</p> <p><i>Ian Annett, Deputy CEO for Project Delivery, UK Space Agency</i></p>
10:25	Refreshments and networking
11:00	<p>Utilising satellite communication for disaster relief and capacity building</p> <ul style="list-style-type: none"> - Building communication networks in extrema conditions

	<ul style="list-style-type: none"> - Satellite communications for mobilising support and resources - Future humanitarian missions and case studies <p><i>Chris Lyon, Head of Tech & Innovation, Team Rubicon</i></p>
11.40	<p>Overview of Dstl's satcom research and development</p> <ul style="list-style-type: none"> - The Milsatcom Umbrella Support Project (phase 2) - Approaches to undertaking future demand analysis - Priorities for future SATCOM technology development - The role of the private sector in supporting defence requirements - Future SATCOM concepts <p><i>David Dean, Senior Principal Engineer, Dstl</i></p>
	Upcoming technologies
12:20	<p>Assessing the disruptive technologies for milsatcom</p> <ul style="list-style-type: none"> - Hybrid threats and emerging technologies - Impact of digital transformation and 5G on satellite communication - Artificial intelligence and cognitive electronic warfare systems <p><i>Ralph Thiele, President, EuroDefense</i></p>
13:00	Lunch and exhibition
14:00	<p>Synthetic Swarm Satellite Systems and what they mean for the 21st century milsatcom</p> <ul style="list-style-type: none"> - Principles and applications for swarm technologies - Risk mitigation for future physical space threats through swarm systems - Upcoming launches and lessons learned <p><i>Paul Febvre, CTO, Satellite Applications Catapult</i></p>
14:40	<p>Technology trends for small terminals</p> <ul style="list-style-type: none"> - Analysing the industry shift towards very small aperture terminal (VSAT) - Man-Portable Data Terminal (MSAT) for rapid deployment - Trends in antenna technology for small terminals <p><i>Chris Dalton, Director of Product Management, Vislink</i></p>
15.20	Chairman's Closing Remarks
15.30	Close of Conference