

# Virtual Defence Communication Systems

Building an integrated communication network architecture to optimise defence response

Online → Wednesday, 26 May 2021 | 11:00am AEST

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## Agenda Overview

**Robust communications systems underpin defence operations across land, sea and sky.**

As well as improving mission effectiveness and incident response, defence communications systems provide reliable, timely and secure information flows, situational awareness and weapons system engagement. They provide critical support to deployed personnel in the army, navy, air force and beyond.

In an evolving operational environment, integrated communication network architecture is essential. However, with emerging technologies, changing priorities and capabilities, communications systems must be reassessed to provide unwavering support to defence operations.

Public Sector Network's **Defence Communication Systems virtual event** will assemble local and international defence information experts from across the defence force to showcase integrated networks and information system technologies. By sharing

## Who Attends?

**Chiefs/Directors/Heads/Managers of:**

Enterprise | Information | CDomain Architect | Network Operations | Critical Systems | Critical Infrastructure

## Speakers



**John O'Callaghan**

Defence Industry Advocate,  
Defence Victoria



**Andreas Hutzenlaub**

Service Line Chief (acting), Network and IT Infrastructure  
NATO Communications and Information Agency (NCIA)



**Shane Fairweather**

First Assistant Secretary of Helicopter Systems Division, Capability Acquisition and Sustainment Group (CASG),  
Department of Defence



**Aude Vignelles**

Chief Technology Officer,  
Australian Space Agency



**Mike Gallagher**

Director, Defence NSW,  
Treasury NSW



**Dr Sylvie Perreau**

Research Leader Contested Communications, Defence Science and Technology Group (DST),  
Department of Defence



**Dr Keyurkumar Patel**

SO2 AF CIS Capability Management,  
Royal Australian Air Force (RAAF)

## Reasons to Attend

Explore real world case studies from local and international defence experts, and gain implementable strategies to secure communication systems in your own agency



Establish connections to best build holistically integrated systems, equipping CIS operators with infrastructure to enable timely and effective defence response



Gain insights into the latest communication system technologies, trends and skills transforming defence response, and explore their potential application in various contexts



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11:00am	PSN Welcome
11:10am	Chair Opening <b>John O'Callaghan</b> , <i>Defence Industry Advocate</i> , Defence Victoria
11:20am	International Keynote <b>The Firefly Project: Using Deployable Communications and Informations System (DCIS) to connect static and deployed users in NATO-led operations</b> <ul style="list-style-type: none"> <li>Exploring how NCI Agency is helping to deliver eight DCIS Points of Presence (DPOP) to support the small and medium headquarters of the NATO Response Force (NRF)</li> <li>Supporting communications between deployed forces, NATO commands, applications and information services through a secure, modular, scalable, deployable and sustainable communications system</li> <li>Interoperating Firefly DPOPs with the current generation of th DCIS to provide Fedrated Mission Networking (FMN) connectivity to Nations and partners, enabling effective communication on moperations, missions and exercises</li> </ul> <p><b>Andreas Hutzenlaub</b>, <i>Service Line Chief (acting), Network and IT Infrastructure</i>, NATO Communications and Information Agency (NCIA)</p>
11:35am	Partner Session
11:50am	Government Keynote <b>Using space technologies to support defence communications across land, sea and sky</b> <ul style="list-style-type: none"> <li>Establishing an advanced an innovative defence communications system for the ADF by using satellites to enable communications over long and remote distances and difficult terrain</li> <li>Growing capabilities across the six focus segments of the Communications Technologies and Services Roadmap 2021-2030, including Low Earth orbit (LEO) satellite services, optical ground stations, hybrid RF-optical and other emerging technologies</li> </ul> <p><b>Aude Vignelles</b>, <i>Chief Technology Officer</i>, Australian Space Agency</p>
12:05pm	Partner Session

12:20pm	Government Keynote <b>Embracing complex systems in defence communications</b> <ul style="list-style-type: none"> <li>Showcasing the ADF's Aviation Mission System (AMS) - a newly developed communications system that is interoperable with Defence's Joint Mission Planning System</li> <li>Exploring how the AMS has been used to overcome complex programmatic, commercial, technical, operational and behavioural challenges (specifically in in the Armed Reconnaissance Helicopter and Multi Role Helicopter) <b>and harness cross-sector collaboration in systems design and development</b></li> </ul> <p><b>Shane Fairweather</b>, <i>First Assistant Secretary of Helicopter Systems Division, Capability Acquisition and Sustainment Group (CASG)</i>, Department of Defence</p>
12:35pm	Refreshment Break
12:40pm	Panel Discussion <b>Next generation communication system management: Skills, technologies and training</b> <ul style="list-style-type: none"> <li>Visualising the future of defence communications, including anticipated changes in enabling technology and back-end capabilities</li> <li>Leveraging cross-sector collaboration and new technologies to establish future networks that are automated, resilient and mobile</li> </ul> <p><b>Mike Gallagher</b>, <i>Director, Defence NSW</i>, NSW Treasury <b>Dr Sylvie Perreau</b>, <i>Research Leader Contested Communications, Defence Science and Technology Group (DST)</i>, Department of Defence <b>Dr Keyurkumar Patel</b>, <i>SO2 AF CIS Capability Management</i>, Royal Australian Air Force (RAAF)</p>
01:10pm	End of event

Partners →

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