



Australian Government
Department of Defence
Capability Acquisition and
Sustainment Group

Joint Data Network Sub-Program – Industry Brief

Tactical Data Link (TDL) Summit and MILCIS Conference – Canberra

12-15 November 2018

CASG/Host – Adam Purtell

JCG/Host – COL Dan Hartigan



1	Opening Address and Welcome	Mr Adam Purtell (PD JDN PO, CASG)
	JDN Scope	COL Dan Hartigan (DJC2, JCG)
3	JDN Capability Challenges	COL Dan Hartigan (DJC2, JCG)
	Schedule and Govt approvals	COL Dan Hartigan (DJC2, JCG)
5	Probity	Ms Carmel Boyd (Chief Contracting Officer (CCO), CASG)
	Market Research & Collaboration	Mr Adam Purtell (PD JDN PO, CASG)
	Questions to discuss	
	Other Industry Engagement	Mr Adam Purtell, PM MTNS-P, CASG)
8	Close	Mr Adam Purtell, PM MTNS-P, CASG)

Adam Purtell: Director Joint Data Network (JDN) Sub-Program, CASG

Industry briefings are part of the Commonwealth smart buyer strategy to engage industry to successfully deliver and sustain the Joint Data Network (formerly Multi Tactical Data Link Network (MTN)) Sub-Program capability

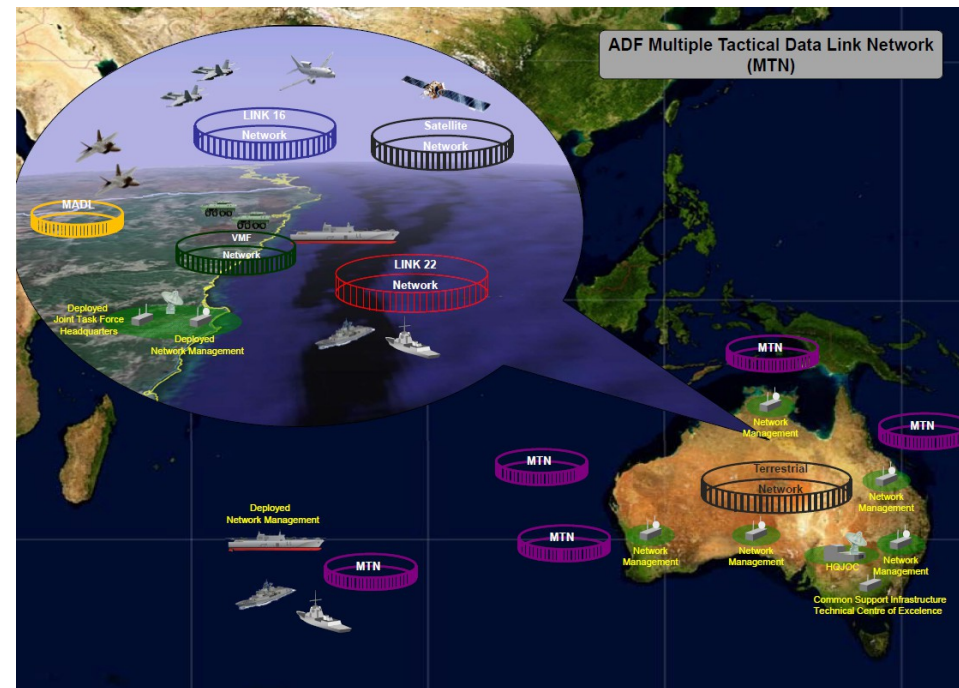
- Provide industry with an understanding of the Commonwealth's capability needs, broad timeline and commercial strategies allowing industry to better prepare for future procurement processes
- Allow the Commonwealth to understand industry capabilities and relevant constraints
- Allow the Commonwealth to identify and refine potential capability options/solutions and explore opportunities to maximise Australian Industry content
- Commonwealth looking to engage with strategic partners over long period

Colonel Dan Hartigan, Director Joint C2, JCG

- Development of the ADF's Joint Data Network (JDN Sub-Program) capabilities will contribute to achieving a better integrated Joint Force. This enables planning to evolve the ADF's data network capabilities as new systems are introduced and as Fifth generation platforms transition into service.
- The program will modernise and better support the ADF's communication between units and provide commanders with greater situation awareness when managing key operations.
- Further development of the JDN Sub-Program is aimed at providing support and protection to joint allied forces deployed on multinational operations.
- There are limited major systems providers for JDN materiel, however industry capacity to provide sustainment, operational support, and training will be explored.

JDN Sub-Program

- Capability
 - MTN network management system & Network Coverage
 - Implement Link 22
 - Implement Link 16 upgrades
 - Enhance IBS
 - Joint Network Integration Centre (JNIC)
- Industry Involvement
 - In-country OEM and OEM Support
 - Test and integration (JNIC)
 - Capability Support (Workforce)



- The JDN is an essential enabling capability implemented on a number of platforms across the ADF to ensure data exchange on operations
- Integration of the Joint Force is challenging
- Integration with Coalition is critical
- C2 integration: define standards → plug 'n' play → pub/sub

JDN Sub-Program – Capability Timelines

- Government approval in 2019
- Joint Data Network progress update to Government - subsequent updates every 2-3 years
- Require MTN network management system & Network Coverage capability Final Operational Capability by end of 2024
 - Coverage and connectivity
- Platforms, deployable and mobile elements
 - Link 16 – 2022
 - Link 22 – 2023
- Indicatively an improved network Initial Operational Capability by end of 2022

JDN Sub-Program – Funding

- Acquisition Budget - \$500m-1.0B (high end of the band)
- Sustainment - \$1.0-1.5B (low end of the band)

Ms Carmel Boyd – Commercial Adviser

Probity

Avoiding real or perceived conflicts of interest is actively managed by Defence

Forward Planning

- Very early stage in the program – **no down select or exclusion at this stage**
- Questions from industry about what they can do – never too early to start planning

Best Practice

- Each involvement by a contractor in a project is reviewed on a case by case basis
 - significance of work,
 - managing conflicts of interest - including Chinese Walls, and
 - any real or perceived advantage.
- Eligibility for participation in any future procurement is governed by the conditions of participation relating to that procurement and cannot be pre-determined in advance of that procurement by another project.

Industry Cooperation

- All of us collaborating and cooperating, not just Industry / Defence but Industry / Industry
- Help us manage conflicts and information in a way that facilitates (not obstructs) projects

Industry Engagement

- Industry Brief is first step in Commonwealth engagement with industry
- Market research – the Commonwealth wants to explore art of the possible
- Interested in hearing from all industry participants who can add value
- Information gathered during one-on-one sessions will be shared (as agreed)

Market research

- No procurement process commenced
- No representation or guarantee of future work
- Understand suitable approaches for the delivery and sustainment of the currently planned Capability Elements
- Ensure commercial flexibility to allow for the timely delivery and sustainment of the JDN capability as it evolves to meet future needs

Maximising your opportunity to contribute to this capability?

- Open – need to be able to work together
- Speed – short, contained, fail-fast-and-learn Proof of Concept
- COTS – faster, value-for-money, less risk, not reinventing
- Functional requirements, not detailed specs – to allow innovation
- Clear improvement to Australian Industry Capability
- Lessons Learnt from past projects
 - To be a smart buyer, we need to better understand market before attempting any large solicitation for delivery and sustainment of capability.
 - Maintain contractual control of those things we are accountable for.

Consider

- What suggestions do you have for **streamlining delivery** of the JDN programmatic effect? Noting the complexities of platform integration with embedded platform integrators.
- What suggestions do you have for **managing configuration** of the JDN across the many platform types/comms systems?
- What suggestions do you have for **evolving** the JDN capability in line with rapid technology change to meet **emerging technologies**?
- How could we tailor the solicitation process to enable industry partners to offer a **complete solution** across the life of the capability? Where do we use PSI v MC v vendor specific (or other) approaches?
- Where are the opportunities for growing **Australian Industry Capability**?
- Where are the **opportunities for innovation** in the JDN space?
- Solution elements are constrained by US FMS/DCS & ITARS. How do we best factor this into our overall commercial and partnership arrangement(s)?

TDL Related Conferences and Fora

- Defence will continue to represent at these activities
- Opportunities to provide updates on our industry engagement plans as they evolve as well as allowing Defence to understand where industry is headed

Avalon Air Show

- JDN PO expect to have a stand and undertake a more detailed Industry Brief
- AUSTENDER will advise, but expect that Avalon may benefit from more senior industry presence to maximise the value of your participation
- Defence will continue to engage using existing mechanisms

Extant Projects/Products/Sustainment

- Existing contractual mechanisms and products will continue for current systems.
- New build systems may introduce/replace products.

Above the Line Partner

- Team Downer (Critical Systems Branch Major Service Provider) is our above the line partner for the JDN Program

Closing comments

- JDN is a key capability and high priority for Defence
- Defence seeking long term partnership with industry, including maximising AIC
- Defence exploring options to establish the appropriate commercial arrangements
- Industry Briefs/RFI to provide key information upon which Defence will make key decisions
- Defence will use AUSTENDER and applicable industry publications/fora to release information



For more information:

Joint Capability Group

and

CASG JDN Program Office

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