

## **Fact Sheet – SATCOM Acceptance Testing and Future SATCOM Capability Concept Development**

- Background:** In support of a more holistic (cross DOTMLPFI) approach to SATCOM capability development, it is necessary to conduct acceptance testing of capabilities (predominantly ‘M’ solutions) nearing completion or already in development because of on-going CAPDEV projects (CP 5A0030 and CP 9A0130) within the broader context of DOT\_LPFI requirements. Additionally, future SATCOM capability development is underway and operational requirements are in development. Pulling together technical system project deliverables with DOT\_LPFI requirements is the focus of the Future SATCOM Capability Concept. As a result, this campaign of experimentation includes acceptance testing, requirements definition/verification and solution exploration.
- Mission:** This series of events will allow for an established structure of acceptance testing criteria and tested capabilities in support of cross-DOTMLPFI requirements. This includes supporting the transition from the previous Materiel Solution-focused process to new Capability Development processes and potential areas of future SATCOM capability development. Additionally, the activities will make use of verified requirements to explore potential solutions that may contribute to concept development and included in analysis of alternatives.
- Milestones:**
- Phase 1: This discovery event will define and verify operational acceptance criteria for use in cross-DOTMLPFI SATCOM capability development. Additionally, the event will achieve concurrence among stakeholders on the priority of acceptance testing and future SATCOM capability development work as they pertain to cross-DOTMLPF requirements.
- Phase 2: This discovery event will build from the Phase 1 event to define and verify operational acceptance criteria in cross-DOTMLPFI SATCOM capability development to include an anti-jamming capability. The event will achieve concurrence among stakeholders on the priority of acceptance testing and future SATCOM capability development work as they pertain to cross-DOTMLPF requirements.
- Phase 3: This activity will build from the previous events and examine the requirements from an operational perspective of a NATO NCS use case in a computer assisted exercise/command post exercise (CAX/CPX). The event will take advantage of the community of actors to begin exploring solutions pertaining to SATCOM operational requirements to support development of the Future SATCOM Capability Concept.
- Headquarters:** NATO Allied Command Transformation, Operational Experimentation Branch

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