

NATO Allied Command Transformation

Trident Juncture 2018 (TRJE18)



Fact Sheet – In Field-Additive Manufacturing

- TRJE18 Mission:** TRJE18 provides an environment for existing or new capabilities to be tested, refined, and further developed. By coordinating and integrating experiments from NATO entities and Nations into TRJE18, we seek to allow the best experimental results without placing exercise objectives at risk. Allied Command Transformation Operational Experimentation has assigned a TRJE18 Venue Coordinator since the number of TRJE18 experiments now exceeds 20 activities, ranging from discovery to validation.
- Experiment Description:** The experiment will demonstrate in-field additive manufacturing at a mature state with high end equipment. Interoperability and cooperation with United States Marine Corps facility and crew will provide the possibility to share knowledge.
- The aim of this experiment is to validate and demonstrate a concept where container-based units, in concert with unmanned aircraft for transport of parts, serve ground forces with “just in time” delivery of spare parts and modifications of existing parts or systems to better serve mission solving, and in-field product development.
- The TRJE18 Opportunity:** TRJE18 offers a platform to demonstrate an added tool for future sourcing of critical components and systems. Additionally, the proposed Additive Manufacturing concept may support development and agile solutions based on new threats, tactics and environmental needs.
- Categories:** Live Exercise
- Milestone:** Jun 2018 - Coalition Warrior Interoperability Exercise
25 Oct – 7 Nov 2018 – Live Exercise Execution
Post TRJE18 Experiment - Report for the data collected from the exercise which can be used as a basis for a future CAD database containing printable spare parts available for in-field production
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NATO Transnet Experimenting in Exercises

<https://portal.transnet.act.nato.int/Pages/home.aspx>

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