

NATO Allied Command Transformation

Trident Juncture 2018 (TRJE18)



Fact Sheet – Unmanned Platforms for Force and Base Protection

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:	<p>The Unmanned Platforms for Force and Base Protection is a concept and technology validation experiment. The project team will demonstrate a set-up where unattended ground sensors, shot detection sensors and camera-based sensors are fused and report to a unified user interface on the Command and Control system.</p> <p>The project team will demonstrate a set-up where unattended ground sensors, shot detection sensors and camera-based sensors are fused and report to a unified user interface on the Command and Control system. The activity will incorporate unmanned ground, air and surface systems in the sensor package. Remotely operated weapon stations will be operated both as sensors and as weapon platforms to engage enemy threats.</p> <p>The aim of this experiment is to improve situational awareness of the base defence crew and reduce the number or required personnel for adequate protection.</p>
The TRJE18 Opportunity:	TRJE18 offers an ideal environment and platform to test and validate cooperation between manned and unmanned platforms to accurately validate the concept and product under test.
Categories:	Live Exercise
Milestone:	Feb 2018 – Site Survey Jul 2018 - TRJE18 Final Coordination Conference 25 Oct – 7 Nov 2018 – Live Exercise Execution Nov 2018 - Final Experiment Report summarizing the experiences from using the various systems and identify areas where the system can be improved Nov 2018 - Build on the successful use in the field experiment of a Concept Development and Experimentation of protection of an Air Force base using Unmanned Air Vehicle and Unmanned Ground Vehicle and include Unmanned Surface Vehicle

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