

NATO Allied Command Transformation Operational Experimentation (OPEX)



2020 Fact Sheet – Autonomous Last Mile Resupply

- Background:** As part of the Military Use of Autonomy, Automation and Robotics (MUAAR) LOE, the Autonomous Last Mile Resupply experiment will attempt to demonstrate the autonomous requirements for triggering, launch, and delivery of specific munitions to specific personnel in a field-firing environment. Use of dedicated coloured submunition rounds will visually demonstrate the accuracy and reliability of an autonomous (pilotless) drone in take-off, flight, location of, and delivery to a specified target in open terrain – with no external assistance. If a success the experiment data will be passed to both Allied Command Transformation Logistics and Medical branches for further development.
- Mission:** Autonomous delivery of specified payload to specified individuals under field conditions.
- Experiment Category:** Multinational Capability Campaign Development (MCCD) *Discovery* experiment
- Milestones:** Contract award - 29 Jun 2020
Initial Concept Demonstrator – Jul 2020
DV Day demonstration – Aug/Sep 2020
- Headquarters:** NATO Allied Command Transformation
Joint Force Development Directorate
Operational Experimentation Branch
- OPEX:** OPEX is the intersection between Operators and Innovation. OPEX plans, designs, conducts, and analyses experiments in support of new concepts and capabilities development. Visit www.act.nato.int/opex-pressroom for more information, or visit us online at the CDE365 Website located on [NATO's Transformation Network](#).
- OPEX Point of Contact:** LTC Michael Atkinson, Michael.atkinson@act.nato.int, +1-757-747-4155
- NATO HQ STRATCOM:** This experiment aligns under the 2020 NATO Communication Strategy pillar of *NATO Protects*.
- NATO ACT STRATCOM:** This experiment contributes to SACT's 2020 Objective #1- *Support NATO's operations and increase operability and readiness*, and Objective #3 – *Preserve the Edge of NATO's Military Instrument of Power over our potential adversaries*.

July 2020

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