

NATO Allied Command Transformation Operational Experimentation



Fact Sheet: Military Uses of Artificial Intelligence, Automation, and Robotics (MUAAR)

Background: The **Multinational Capability Development Campaign (MCDC)** series is an initiative led by the United States designed to collaboratively develop and assess concepts and capabilities to address the challenges associated with conducting joint, multinational and coalition operations.

Capability relevance: Artificial Intelligence, Automation, and Robotics (AA&R) has the potential to be the “fourth offset” or revolutionary means of conducting offensive and defensive operations and asymmetrically compensating for a disadvantage. It is widely accepted that the nation, or alliance, leading in AA&R will have a significant advantage over competitors.

Capability/Deliverable: The project will investigate uses for AA&R in competitive areas such as the electromagnetic spectrum, integrated air & missile defense, logistics, and the space, cyberspace, air, land and maritime domains. It will look at barriers to implementation/integration of AA&R capabilities and strategies to overcome those barriers.

The project aims to provide a compendium of current/future military tasks, functions, etc. that could benefit from a blend of AA&R capabilities. It will conduct an estimate of which tasks, functions, etc. are currently poised to benefit and which would produce the largest payback in terms of efficiency, cost-savings, lethality, etc.

NATO ACT involvement: Co-Lead.

Headquarters: NATO Allied Command Transformation, Operational Experimentation Branch

Internet Portal: Visit us on [CDE365 website](#) located on NATO’s Transformation Network (TRANSNET). To access, register here: <https://portal.transnet.act.nato.int/Pages/home.aspx>.

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