

Fact Sheet – Experimenting in Exercises (EiE)

Background:

Supreme Allied Commander Transformation (SACT) has determined that NATO and national exercises are potential laboratories within which operational experimentation can also take place. Exercises have always provided opportunities for the training and certification of forces and headquarters staff, and now ACT enables NATO to obtain even more benefit by using exercises to host experiments. Experimenting in Exercises (EiE) brings NATO's operational component together with the Alliance's experimenters; this union enables new concepts and capabilities to be tested rigorously in realistic environments and conditions. Exercises are expensive events. By carefully incorporating experiments, the Alliance and nations are able to obtain a greater return on investment.

EiE is a team effort involving close cooperation between HQ SACT's Operational Experimentation (OPEX) Branch, exercise planners, the Joint Warfare Centre, and the Joint Force Training Centre.

Mission:

EiE plans, designs, and conducts, analyses and reports on experiments within exercises while avoiding any detriment to the training and certification objectives of the exercising commanders and their forces.

Milestones:

Identification of experiment proposals that could benefit from being in an exercise; Identification of potential exercises; and participation in pre-exercise planning steps to integrate activities and manage risk. The 2020 experiments will take place within:

LOYAL LEDA 20:

- Evaluation of capabilities of the Ammunition Management Information System (AMIS)
- Space in support of operations
- Proof of Concept using the Data Farming Services Demonstrator (limited objective)

STEADFAST JUPITER JACKAL 20:

- Human Considerations in Artificial Intelligence (AI) for Command & Control (ANTICIPE)
- Space Support in NATO Operations (SSO)
- Operational Logistic Chain Management (OLCM)
- SOF C2 CIS
- Integration of AGS intelligence collection, exploitation, and dissemination capabilities (NAGSF)
- Human Security Implementation
- Theatre Management of Medical resources and Coordination with Civilian Healthcare experiment
- Collaborative Resilience

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](#).

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NATO HQ STRATCOM: Experimenting in Exercises aligns under the 2020 NATO Communications Strategy pillar of *NATO Protects, NATO Unites, and NATO Strengthens*.

NATO ACT STRATCOM: Experimenting in Exercises contributes to SACT's 2020 Objective #3 - *Preserve the edge of NATO's military instrument of power over our potential adversary*, and Objective #4 - *Exploit the benefits of cooperation*.

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