



AxS Focus Area



Study of the Role of Autonomous Systems in Gaining Operational Access (AxS FA) is one of seven lines of effort in the 21 member Multinational Capability Development Campaign (MCDC) 2013-2014

PROJECT TEAM

LEAD: NATO
 AUSTRIA
 CZECH REPUBLIC
 FINLAND
 POLAND
 SWITZERLAND
 UNITED KINGDOM
 UNITED STATES OF AMERICA

Any Nation or Organisation interested in participating in the campaign is encouraged to contact the MCDC Secretariat at: mcdc_secretariat@apan.org

Problem Statement

In order to facilitate Combined Operational Access (COA), coalitions need to improve awareness and understanding of AxS, promote interoperability and provide guidance for the development of, use of and defense against, AxS.

Approach

TYPOLOGICAL ANALYSIS OF AUTONOMY
 A STUDY OF LEGAL, HUMAN, TECHNICAL AND OPERATIONAL IMPLICATIONS OF INCREASING AUTONOMY IN SYSTEMS, CONDUCTED IN THE CONTEXT OF ARMED CONFLICT AND HUMANITARIAN OPERATION SCENARIOS

Schedule

- 23—27 SEP '13 WS1 Typology (USA)
 - 28—30 JAN '14 Seminar/Discovery LOE (USA)
 - 24—27 MAR '14 WS2 Project Coordination (CHE)
 - 09—13 JUN '14 WS3 Product Development (CZE)
 - 22—26 SEP '14 WS/LOE Product Testing (POL)
- and regular web based video teleconferences

Users

- POLICY MAKERS
- DOCTRINE DEVELOPERS
- DEFENSE PLANNERS AND CAPABILITY DEVELOPERS
- OPERATIONAL PLANNERS
- INDUSTRY
- ACADEMIA

IMPACT

Promoted interoperability, improved awareness and understanding of the upcoming autonomy in systems, which may become central to modern warfare and in the transformation of armed forces.

Deliverables

POLICY GUIDANCE FOR DEVELOPMENT AND USE OF SYSTEMS WITH AUTONOMOUS CAPABILITIES (xSAC)

The document will provide evidence-based considerations of implications for defense and operational planning, xSAC development, acquisition, testing, certifying, fielding, and training. It will follow the DOTMLPFI model to facilitate future doctrine development.
 The Policy Guidance will be accompanied by the project proceedings and a research publication capturing detailed results of the studies.