

NATO STANDARDISATION

AEP-105 / STANAG 4817

BASIC INFORMATION

Requestor/Customer:

NATO Unmanned System Initiative (MUSI)



Project Team:

Lead Entity/Nation:



Data:

Start Date:
01 JAN 2019

End Date:
UFN

COE CSW POCs:

CDR DEU N P. Küster
Ext.: 6109

Executive Description

STANAG 4817 will cover the Allied Engineering Publication (AEP) 105 - FRAMEWORK ARCHITECTURE FOR A MULTI DOMAIN UNMANNED CONTROL SYSTEM (*working title*), which will define service, data format, and behavioral requirements of a common control system. The custodian for AEP-105 / STANAG 4817 are the USA.

Execution / Project Status

The work to establish the NATO Standard AEP-105, which was commenced under the Joint Capability Group Unmanned Aircraft Systems (JCG UAS) in APR 2018, was transferred to the sponsorship of MUSI on APR 2019.

In AUG 2021 the Custodian Nation did a stock take on the development process and placed the management of the NATO Standard development with Naval Sea Systems Command, along with appropriate funding.

In MAR 2022, on a re-baselining meeting of the Custodian Support Team and a community of Allied Nations, it was decided to produce a NATO Standard that drives a federated approach using standardised messaging between control systems utilised by each nation. As such, it should provide an overarching standard for interoperability of Unmanned Systems planning and shared awareness, leveraging experimentation within REP(MUS)* and other Operational Experimentation (OPEX) opportunities.

*Robotic Experimentation and Prototyping augmented by Maritime Unmanned Systems

Completion

COE CSW supports the Custodian Nation (USA) by developing the NATO Standard AEP-105, covered by STANAG 4817.