

Key JDARTS Features

Collaborative, networked environment for Joint, capability-based Defence Planning.

JDARTS Capability Assignment Logic consolidates output from detailed operational analysis and simulation studies with expert military assessments by NATO Defence Planners.

Provides integrated federation of complementary applications for scenario-based analysis.

Flexible, fully customizable and adaptive to national requirements.

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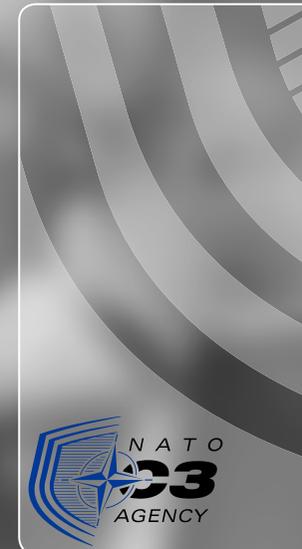
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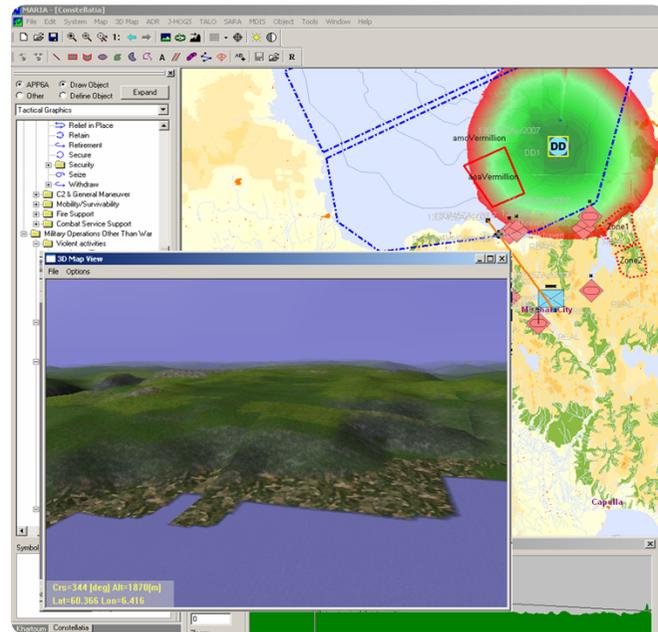
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JDARTS



The NC3A Joint Defence Planning Analysis and Requirements Toolset (JDARTS) is an integrated federation of software applications developed to support NATO and national capability-based Defence Planning.

JDARTS provides the Alliance with a unique and powerful analytical toolset. Capability requirements can be identified, quantified and subsequently compared against the spectrum of capabilities available to NATO.



Integrated Scenario Development and Analysis

By supporting the identification of capability requirements and shortfalls within the NATO Defence Planning Process, JDARTS has made a major contribution to the on-going transformation of NATO.

JDARTS Components

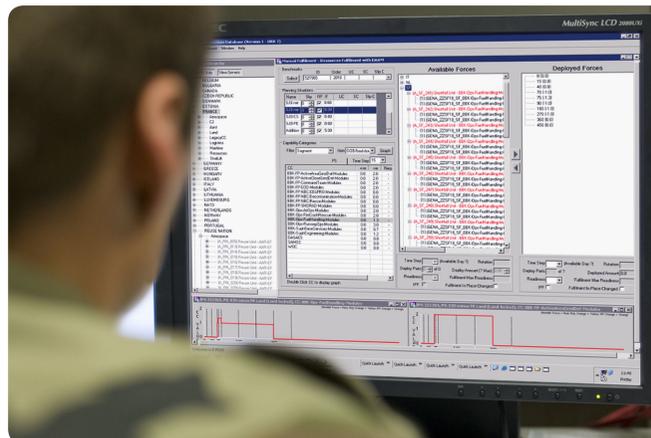
The JDARTS toolset consists of 6 major functional components:

The Defence Planning Mission Study Tool (D-MIST) to support Joint, capability-based Mission Task Analysis (Military Estimate and Task Decomposition) for representative Mission Types and



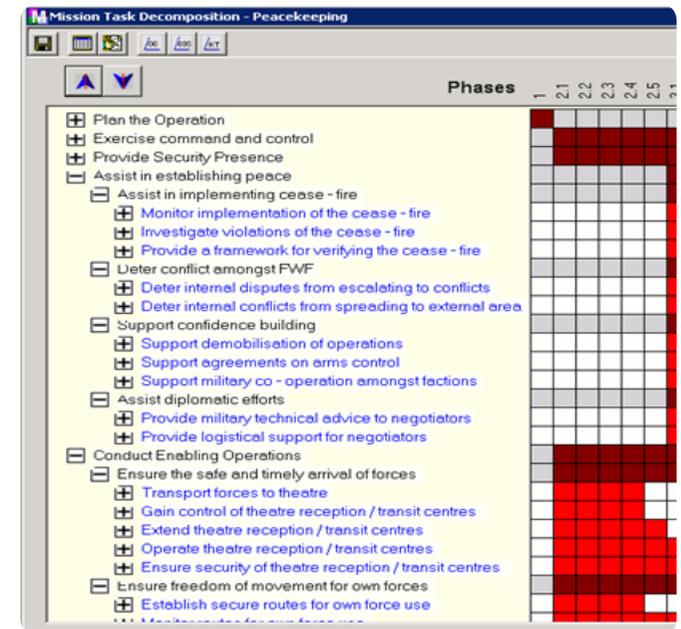
Planning Situations. D-MIST supports development of a clear audit trail between the identification of capability requirements and the relevant military estimate. The tool allows the user to develop Planning Situation (scenario) descriptions in a structured textual template, augmented by maps and graphics. From the detailed military analysis, the mission is decomposed in a hierarchical structure, identifying the mandate, operational objectives, and finally all required and implied tasks for an operation.

The Defence Planning Scenario Generation (D-SIGN) application, providing a map-based interface for the generation and development of operational scenarios or Planning Situations.



D-SIGN is implemented as an add-in to an advanced mapping and geospatial analysis tool. The user has full access to the sophisticated GIS features inherent in the parent application, including terrain profile analysis, radar and line of sight calculation and 3-D mapping and fly throughs.

The Defence Planning Capability Assignment Logic Calculator (D-CALC) for the specification and execution of Capability Assignment Logic.



D-MIST Strategy-to-Task Analysis

The Defence Planning Requirements & Unit Matching (D-RUM) for unit capability pre-processing and automatic comparison optimisation for the generation of force pool requirements

A shared data environment, the Central Data Repository (CDR).