

Trials & Experimentation Management

Coordinate trials. Validate assessments.
Accelerate decisions.



Challenge:

Trials and experimentation are hard to coordinate and scale.



Impact:

Results are difficult to analyze, compare, and reuse.



Exonaut delivers:

Integrated planning, execution, observations and analysis.



Outcome:

Turns trials into evidence for capability and procurement decisions.

Key Features

Portfolio Overview

for visibility and task management

Provide a consolidated view of all trials and experimentation activities, including events, timelines, objectives, and tasks.

Event Planner

for coordinated program management

Organize trials and experimentation within structured campaigns and multi-year programs according to capability development priorities.

Event Designer

for objective-driven experimentation

Define intent, hypotheses, objectives, and evaluation criteria, that link activities to outcomes and capability questions.

Event Execution

for consistent data capture

Coordinate execution and capture structured data from observers, operators, and systems across distributed environments.

Analysis

for decision-ready insight

Analyze collected data using visualization and AI-supported tools to evaluate performance, compare treatments, and identify outcomes.

Reporting

for structured and rapid output generation

Generate standardized reports, findings, and recommendations from evidence and analysis.

Asset Catalogue

for consistent capability tracking

Maintain structured records of systems, platforms, and capabilities under evaluation across events and campaigns.

Knowledge Repository

for continuous evidence exploitation

Store, search, and reuse validated outputs, reports, and insights across trials and experimentation.

Why it matters

Trials and experimentation must enable armed forces to test, learn, and adapt at pace, but fragmented approaches limit coordination and reduce their value. Exonaut capabilities turn experimentation into a structured, repeatable process, generating objective evidence, reducing duplication, and accelerating decision-making across capability, procurement, and readiness, while enabling insights to be securely shared with partners.

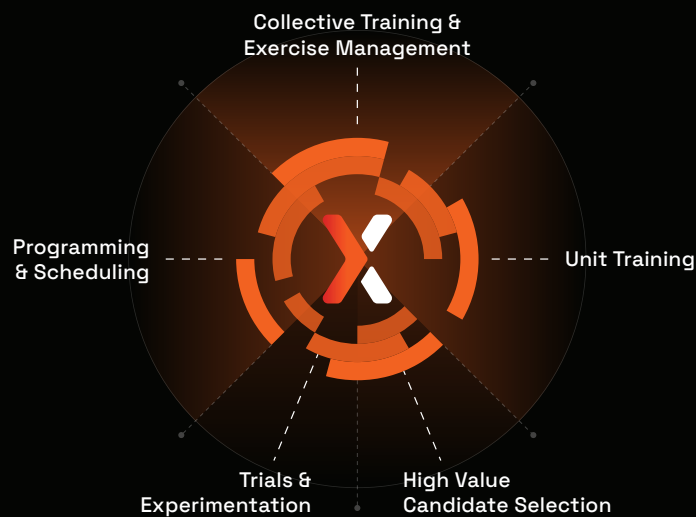
NATO Trials & Experimentation (Project TALOS)

Background NATO wanted to accelerate capability development by improving how trials and experimentation activities were planned, executed, and exploited across the Alliance. As the number of events increased, a more structured and collaborative approach was required.

Challenge Deliver a user-friendly, NATO-ready solution to design, plan, and evaluate trials and experimentation. The system should connect strategic and tactical levels, align activities centrally over a five-year horizon, and enable real-time observation capture, analysis, and secure sharing of lessons to inform capability development across the Alliance.

Result Exonaut is a centralised digital platform for trials and experimentation activity that supports Project TALOS. It connects planning, design, execution, and analysis within a single environment. Activities are aligned across a coordinated multi-year programme, with real-time data capture and AI-supported analysis generating structured, defensible evidence.

This improves visibility and long-term planning, reduces duplication, and enables faster, evidence-based decision-making, while building a reusable knowledge base to support ongoing capability development across the Alliance.



EXONAUT

The Global Standard for Training & Exercise Management

Trials & Experimentation Management is a part of the Exonaut Platform, which connects headquarters, training centers and regiments in one integrated system for planning, design, execution, analysis and exploitation of training and exercises.



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ONE

Platform for planning, training, validating & building readiness