A Demonstration of Distributed Experimentation on "Blue Force Tracking"

Introduction

EDA is developing innovative approaches for the experimentation, testing and validation of operational capabilities. Within EDA's Captech ESM3 "Experimentation area", a study is currently progressing on distributed experimentation (EU Distributed Experimentation Laboratory - EUDEL). This study will be supported through the operational demonstration of a Blue Force Tracking (BFT) capability.

This work is also closely linked to EDA activities on Defence Test and Evaluation Base (DTEB) and the business case and requirements being developed for experimentation, test and validation. These efforts seek to highlight the benefits of collaboration and prove the technical maturity of a distributed *EUDEL* capability.

EU-Interoperability

The principal outcome from the BFT experimentation (March to June 2013) is the demonstration of infrastructure to support a distributed EU architecture for technical capability development. Also, the practical tools and methods applied will show how a pooling and sharing approach to national experimentation across EU is achievable. In turn this will enable more affordable and efficient R&T or capability development.

Blue Force Tracking Operational Benefits

From an operational perspective, the demonstration will show how an efficient Blue Force Tracking capability needs to have dynamic position of each tactical actor, and how data can be collected and illustrated on a Common Operational Picture (as seen below). The *EU-DEL* environment shows how new technical solutions, standards and associated doctrines can be quickly evaluated and developed.

EU Distributed Experimentation Laboratory (EUDEL) - Demonstration