

2018 NATO MODELLING AND SIMULATION GROUP SYMPOSIUM

C2SIM in CWIX: Distributed Development and Testing for Multinational Interoperability

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Introduction and Relevance

Technical Activities in the NATO MSG have conducted a sustained effort to develop a standards-based capability for coalitions to interoperate their national command and control (C2) and simulation systems collectively. This form of multinational interoperability can have a great impact on the effectiveness of coalition military operations.

Rationale

The technical basis for C2SIM is the second generation of SISO standards for C2-simulation interoperation. This is being built by converging first generation capabilities (MSDL and C-BML) in a way that is designed to be extensible to many domains. The second generation must be tested before it is standardized; the experience gained also will be needed for a STANAG and other required interoperability such as Federated Mission Networking spiral 4.

Methods and Results

MSG-145 has stimulated development of a 24x7 demonstration and testing capability called the C2SIM Sandbox and is using it to conduct demonstrations at multiple events where C2SIM is exposed to military operators, culminating in CWIX. The paper will describe the testing achieved at CWIX 2018 and the role of the C2SIM Sandbox in its development.

Conclusions

C2SIM must have compelling tests to provide confidence.

Statement

There are no restrictions regarding presentation of the paper described above or its publication in the Meeting Proceedings.