

Supreme Allied Commander Transformation



C⁴ Interoperability in NATO Transformation

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Problem Statement

- **Information identification, management, and dissemination is difficult and unsynchronized a situation in which the Commander cannot achieve Decision Superiority.**
- **Military operations today consist of multiple un-integrated networks (Mission, Coalition, National, Functional) which do not share common security framework.**
- **Our adversaries are increasingly “net-enabled”, operating as terrorist groups or insurgencies, loosely coupled with ideological motivations.**

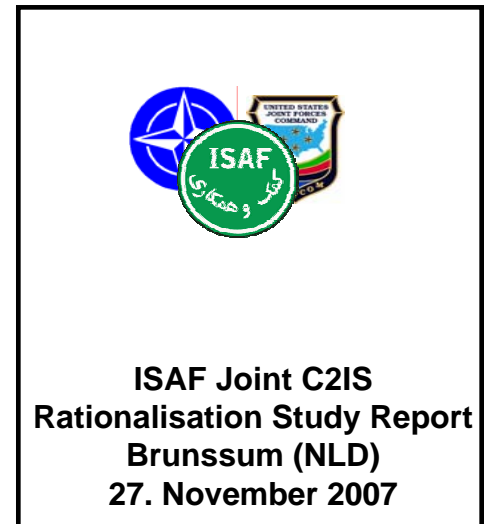
Interoperability in NATO

Interoperability: The ability of systems, units, or forces to provide services to an accept services from other systems, units, or forces and to use the services so exchanged to enable them to operate effectively together.

- NATO Dictionary, 2007

ISAF Command and Control

- **November 2007 report based on Theatre assessment**
 - **Abundance of disparate C² systems**
 - **Limited system interoperability**
 - **No non-governmental interoperability**
- **Need identified for Common Operational Picture (COP) for Situational Awareness**
- **Lack of Interoperability impacts effectiveness**
 - **Decreased Situational Awareness**
 - **Inability to rapidly deconflict operations/activities**
 - **Inefficiencies in support functions (i.e. Logistics)**



ACT- Enabling Interoperability

- **Development of Standards**
 - **De Jure**
 - Standard NATO Agreements (STANAGS)
 - Allied Communications Publications (ACP)
 - **De Facto**
 - Network Centric Operations Industry Consortium (NCOIC)

- **Development, Testing and Integration**
 - Coalition Warfighter Interoperability Demonstration (CWID)
 - ISAF C⁴ Enhanced Capability (ICECAP)
 - Information Exchange Gateways A thru D (IEG)

- **Operational Testing and Integration**
 - NATO Response Force (NRF)
 - Operational Units (ISAF/KFOR)

Future Initiatives

- **Integrated Testing and Integration**
- **Accelerated Fielding**
- **Private/Public Partnerships**
- **Integrated Operations and Transformation**
- **Comprehensive Approach to Command and Control**

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