

Interoperability (IO) Assurance

Datasheet

SyntheSys has considerable experience in the field of Communication and Information System (CIS) interoperability development and assurance, and has worked with the United Kingdom (UK) Ministry of Defence (MOD) in the interpretation and application of policy to acquisition projects and formulating strategies and plans to assure in-service interoperability across all Defence Lines of Development (DLoDs).

SyntheSys' experience in Interoperability Assurance measures includes:

Interoperability Support

- Interoperability Requirements, including Information Exchange Requirements (IERS)
- Compliance with MOD policy (Joint Service Publications (JSPs))
- Information architectures
- Verification and validation
- System of Systems approach, reflecting project system's role and capability within national and coalition joint environment

Interoperability Strategy

Support to UK MOD in drafting and maturing project CIS Interoperability Strategy:

- Interoperability Requirement Capture
- Policy Compliance
- Boundary Management
- Governance
- Risk Management
- Delivery

Interoperability Maturity Model (IOMM)

- Ongoing monitoring of project's progress in implementing good CIS interoperability practice across all DLoDs
- Assessment based on:
 - Systems engineering experience
 - Knowledge of defence policies and standards
 - Lessons learned

Network Integration

Complete familiarity with MOD initiatives and enablers for NEC, including:

- Joint Network Integration Strategy (JNIS)
- Coalition Capability Definition Framework (CCDF)
- Integration using Defence Test and Reference Facility
- Architecture analysis

About SyntheSys

SyntheSys provides defence systems, training, systems and software engineering and technical management services over a spectrum of different industry sectors. Along with distinct support and consultancy services, our innovative product range makes us first choice provider for both large and small organisations. Established in 1988, the company focus is on fusing technical expertise with intuitive software applications to solve common industry challenges.

