



SOSCOE/System Of Systems Common  
Operating Environment



**PROVEN MIDDLEWARE  
MILITARY GRADE, COMMERCIAL READY**

# SOSCOE

## System Of Systems Common Operating Environment

SOSCOE is the middleware between netcentric application services and the network.

### Infrastructure Solutions For Tactical Challenges:

- Cyber Security
- Quality of Service (QoS)
- Ad-hoc radio link quality
- Interoperability

### Key Features:

- Secure communications over bandwidth constrained, ad-hoc communications networks
- Vertical and horizontal flow of command and control messaging and situational awareness as appropriate
- Interoperability with external systems
- Collaboration via instant messaging or whiteboard
- Individual “role based access” changes and unit reconfiguration “on the fly”
- Discoverable services allow remote processing, scalability and fault tolerance
- A uniform network configuration capability for the entire system of systems

### Composable Product Lines:

- Communications Core: offers service discovery and communications
- System Management: handles start up, shut down, and fault tolerance
- Interoperability: connects SOSCOE-based systems with legacy and enterprise systems
- Collaboration: offers communications via chat and whiteboard
- Workflow Automation/Policy: allows service orchestration and policy-based computing
- Information and Knowledge Services: Offers sophisticated information services such as search and agent framework.

### Three editions exist to cover a variety of tactical needs:

- Standard Edition: for larger computing platforms
- Real Time Edition: for deterministic computing
- Micro Edition: for highly-embedded systems and sensors



### SOSCOE Provides Software Developers:

- Common components and tools for rapid command and control software development
- Documentation and industry standard interfaces to support software development
- Abstracts command and control software from technical evolution of the hardware via standardized Application Program Interfaces (API)
- Extensive training, documentation, customer support, and help desk