

Statement of Objectives (SOO)
For
Live Training Transformation (LTT)/One Semi-Automated Force (OneSAF)
Integration and Development Environment (IDE)

Final Draft - 6 November 2000

1.0 Integration and Development Environment (IDE) Background:

Both the Live Training Transformation (LTT) and the One Semi-Automated Force (OneSAF) programs are embarking upon Product Line development projects. Each program has requirements for an Integration and Development Environment (IDE) that is controlled and managed by an entity that is not tied to the actual development and integration contract(s). Both programs are managed within STRICOM – LTT by the Project Manager for Training Devices (PM TRADE) and OneSAF by the Product Manager for OneSAF, who reports to the Project Manager for Warfighters' Simulation (PM WARSIM). These PMs have agreed that it will be more cost effective for the Government if the programs pool their resources to establish an IDE that can accommodate both programs, wherein they will share the costs for administration and common infrastructure. Furthermore, LTT and OneSAF each have the requirement to interoperate with the other program's systems, so collocating will improve the opportunity for collaborative development and sharing common components.

The IDE will provide an environment for both the LTT and OneSAF Integrated Product Teams (IPTs) to design, develop, integrate and test the components that will comprise their Product Lines. These IPTs are comprised of personnel from multiple contractor organizations, several Government agencies and offices, and academia. The IDE will include physical space, Automated Data Processing (ADP) equipment, network infrastructure, system and software engineering tools, and other various assets and associated services necessary for these IPTs to perform their duties, both mission oriented and administrative.

2.0 Task Order Objectives:

The scope of this Task Order (TO) includes the IDE requirements unique to the LTT and OneSAF programs, as well as those that are common to both. Each program will separately fund their unique IDE requirements, and will share the cost of the common requirements. Should this arrangement be altered by the Government PMs in the future, this TO may still apply to each program individually. The objectives for this TO apply to both programs individually and collectively. The TO objectives are intended to cover the life cycle of the IDE for both programs.

2.1 Establish the IDE.

- a. Establish the IDE at a location near STRICOM Headquarters.
- b. Coordinate with both the LTT and OneSAF teams to document and address IDE requirements unique to each program and common to both.
- c. Establish a management and administrative plan for the IDE.
- d. Equip the IDE to meet the needs of the LTT and OneSAF IPTs.

2.2 Operate the IDE.

- a. Provide total turn-key operational support for the IDE, to include reception, administration, security, maintenance, and cleaning.
- b. Manage all IDE assets and provide property accountability.
- c. Respond to, plan for and manage implementation of Government change requests within the IDE.

2.3 Disestablish the IDE.

- a. Disestablish the IDE for one or both of the LTT and OneSAF IPTs when and if they determine that it is no longer required.
- b. Dispose of all IDE property and materials in a manner consistent with public law and Government regulation and policy.
- c. If directed by the Government, transition the IDE to another contractor or organization.

3.0 Technical Objectives:

3.1 IDE assets and technical services.

Design, develop, integrate, deliver, implement and maintain the LTT/OneSAF IDE to support all design, development, test and integration efforts.

- a. Provide and maintain ADP equipment, computer networking infrastructure, system and software engineering tools, audio-visual, telecommunications and general office equipment in response to the IPTs' defined requirements. The IDE ADP must be compatible with the STRICOM ADP environment.
- b. Provide system and network administrative services for all IDE assets.
- c. Provide training and help-desk support to IPT members on the use of the IDE equipment and tools.
- d. Enable technology insertion as currently available commercial products mature and new commercial products become available in the future.

3.2 Configuration Management.

Implement and utilize a Configuration Management (CM) system that establishes configuration identification, configuration control, configuration status accounting and configuration verification and audit. Apply this CM system to items identified by the LTT and OneSAF IPTs, such as development hardware and software environments, developmental baselines, etc. Provide CM administrative support to the LTT and OneSAF Configuration Control Boards (CCBs).

3.2 Collaborative development objectives.

Enable personnel from multiple organizations to participate collaboratively in IDE activities by providing the means for them to share information within and outside the IDE electronically regardless of their location.

4.0 Program Objectives:

4.1 Working Relationships.

Implement and utilize Associate Contractor Agreements (ACA) with all LTT and OneSAF contractors. Support inclusion of all product design, development, and integration/test products efforts into the LTT and OneSAF baselines regardless of the origin of those products. Establish reasonable means for individual contractor organizations to protect their company proprietary information and assets within the IDE. Establish procedures for bringing new IPT members or new technology or hardware into the IDE. Establish procedures to accommodate the departure of IPT members from the team and the removal of technology or hardware when they are no longer needed.

4.2 Security

Implement and utilize the DOD Information Technology Security Certification and Accreditation Process (DITSCAP) for automation information systems, networks, and sites in the Department of Defense. Refer to DODD 5200.40.

4.3 Overhead.

Establish aggressive and proactive goals to minimize program overhead.

4.4 Support both IPTs.

Administrate the common assets shared by the LTT and OneSAF IPTs within the IDE to ensure conflicts between the IPTs are avoided whenever possible and quickly resolved when they do occur.