

Automated Commercial Environment—Requirements Recommendation

Date:	September 5, 2001
Number:	ITD-HL-007
Requestor:	ITDS Sub-Committee
Customs Co-Chair:	Allison Suliveras
Trade Co-Chair:	Sandra Scott, Tom Anastasi

Requirement

High Level Systems and Support Issues: ITDS must articulate systems (IT) design criteria to meet the needs of the USCS (ACE), all the PGAs, and the Trade Community stakeholders. For more detailed description, see High Level requirement ITD-HL-008.

Business Need

The ACE/ITDS system will serve as a single trade data information pool and a related applications development environment between Government Agencies and the Public and Private Sectors. It will provide an integrated and dynamic Government-wide system for the collection, management, use and dissemination of international trade data. This central data layer, will link consumers in a federated manner where consumer-wide semantics are established and enforced, thus eliminating data mis-interpretations, errors and non-compliance.

Technical Need

High level technical needs include the following:

Each user will require device-independent and customizable access with the ability to update through standard protocols using the following interfaces:

- An asynchronous interface between the data pool and its unique (existing) mid and backend (legacy) systems.
- A synchronous interface for on-line, near real-time access to trade data.
- Seamless data exchange with other users.

Individual user capability to control its trade data published within this environment in terms of access and use. A data delivery capability to consumers not part of the ACE/ITDS system.

A means to enforce consumer wide and specific compliance rules.

A means for role based specialized access to system data.

Provide a means to version logical sets of information for auditing purposes and/or provide historical views of the information based on historical activity.

The ability to develop applications within the system's platform architecture

Physical and operational redundancies built in, to eliminate the impact of localized malfunctions within the system.

Full 24x7 Systems Administration, User and operations Help Desk facilities

System compliance with US Government security standards and guidelines in respect of:

Communication/Network, Physical site, Application, Data and Hardware

Benefits

General benefits that will accrue to users and stakeholders include the following:

- Reduced costs for both the Private and Government sectors
- Improved enforcement and compliance of Government Agency requirements
- More rapid and accurate G2G and B2G transaction completion
- Elimination of many of the problems with the current trade processing environment
- Flexibility in the development of transactional applications to meet the needs of the Private and Government sectors.

Risks

Risks associated with the implementation of the proposed system are as follows:

- Failure to adequately identify and address the needs of all users and stakeholders
- Failure to implement advanced development technologies and methodologies to implement US Government quality standards and guidelines
- Any initiative to separate the systems solutions for ACE and ITDS
- Systems security and performance aspects are contained in separate documents

Related Subcommittees

ACE Subcommittee

Priority: **Critical** **High** **Medium** **Low**

Customs Use Only

Approved

Not Approved

supplementary Evaluation Required