



U.S. Customs and
Border Protection

Automated Export Processing Update

**ACE SOFTWARE DEVELOPER SESSION
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Automated Export Processing Goals

- ▶ Establish a single automated processing platform for all export commodity, manifest, licensing and other government agencies processing needs for all modes of transportation (air, rail, sea and truck).
- ▶ Work with Census and the Bureau of Industry and Security (BIS) to support the President's National Export Initiative and Export Control Reform (ECR) Initiative
- ▶ Work with the Trade Support Network (TSN) through the Automated Export Task Group (MMM, ITDS, Export Committee) and other trade groups to determine export trade user requirements.
- ▶ Work with the Participating Government Agencies (PGAs) through the ITDS board and other partnerships to identify PGA export user requirements for licenses, permits and data collections.



AES Re-Engineering

CBP has set the following goals for the AES Re-engineering/Manifest Baseline development effort:

- Reduce cost to CBP, Partner Government Agencies (PGAs) and the trade community.
- Improve the facilitation of the movement of export shipments through the supply chain.
- Improve the enforcement capabilities of CBP in exports to help ensure high risk shipments are identified and issues resolved prior to export.
- Integrate export processing with existing ACE functionality such as the ACE Multi Modal Manifest (MMM), Document Imaging System (DIS), and Interoperability Web Services (IWS).



AES Re-Engineering

These goals will be accomplished through the following development:

- Replacing the legacy AES mainframe system with a modern IT platform conforming to the CBP Enterprise Technical Architecture that will drive down operating and future development cost.
- Replacing manual or paper based processing in exports for licensing, manifest and notifications with electronic processing to better facilitate movement of compliant shipments and identification of high risk shipments.
- Implementing a single window view for CBP with the re-engineered AES that allows the user to view all commodity, enforcement, licensing and findings data from a single application.
- Leveraging recent ACE functionality development on imports to provide a means in exports for additional services for CBP, PGAs and the trade.



AES Enhancements

- The reengineered AES will include the following enhancements for Census Bureau regulatory changes:
 - Post-departure filing times changed from ten to five calendar days from the date of exportation
 - Added Ultimate Consignee Type
 - Added License Value
 - Foreign Trade Zone Identifier increased from five to seven alphanumeric characters

- The Advanced Export Information (AEI) pilot for filing limited mandatory data elements pre-departure and remaining data elements five days post-departure (this is a revised option 3 process to provide certain trade members the ability to file the commodity data with a limited set of data pre-departure) will be included in the AES development.



AES Enhancements (continued)

- Advanced Export Information (AEI) pilot for filing of 11 mandatory data elements pre-departure and remaining data elements filed five days post departure (this is a revised option 3 process to provide certain trade members the ability to file the commodity data with a limited set of data).
- The AES development team is also working to identify additional PGAs license types, data elements, DIS submissions and other functionality to include as possible pilots in the reengineered system.
- The AES development team is also working closely with the Air and Rail groups to identify electronic export manifest filing functionality.



AES – Current Status

Four increments make up the AES Re-engineering/Manifest Baseline project:

- Increment 1 - Trade Electronic Data Interchange (EDI) – **Completed January 2013**
- Increment 2 – CBP User Interface, Enforcement – **Completed April 2013**
- Increment 3 – User Interface, Inbound and Outbound data feeds – July 2013
- Increment 4 – Findings and outstanding system enhancements – September 2013



AES Re-Engineering Sprint Process

6 sprints = 1 Increment

Increment I	Trade EDI Interface	January 2013
Increment II	User Interface, Enforcement	April 2013
Increment III	User Interface, Inbound data feeds, outbound data extracts	July 2013
Increment IV	Findings, Outstanding system enhancements	September 2013

Phased Capability Rollout

Phase I	Load Historical Data	August 2013
Phase II	Run re-engineered AES in parallel with legacy AES and retire mainframe user-interface	September 2013
Phase III	Migrate CBP users from legacy AES, and retire mainframe user-interface	November 2013
Phase IV	Migrate trade users from legacy AES, and retire mainframe trade interface	December 2013 /January 2014



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