Automated Commercial Environment (ACE) and Exports

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U.S. Customs and Border Protection

AUTOMATED COMMERCIAL ENVIRONMENT/INTERNATIONAL TRADE DATA SYSTEM

U.S. SINGLE WINDOW FOR TRADE

INTERNATIONAL TRADE

- In FY2013, U.S. trade accounted for $2.4 trillion in imported goods and $1.6 trillion in exported goods

ACE / ITDS

- Executive Order establishes deadline of December 2016 for implementation
- ACE is the technology enabler through which Single Window processing will be achieved
- Key features to enable Single Window processing have been implemented

PARTNER GOVERNMENT AGENCIES

- 47 Partner Government Agencies
- Largely paper-based with multiple entry systems
- Nearly 200 forms required for imports and exports

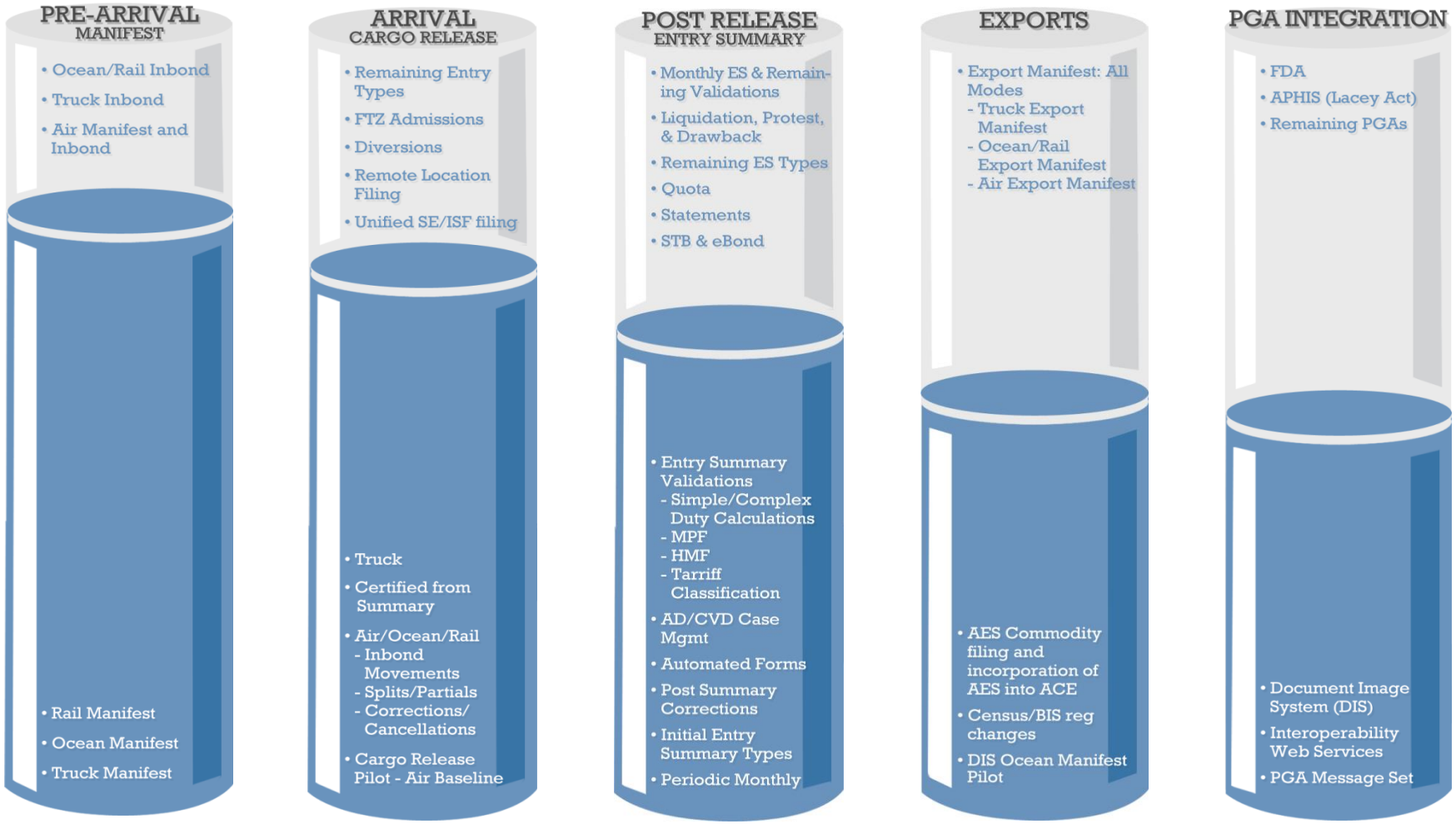
Quicker data availability for Government - better identification of dangerous or prohibited shipments

Automated Agency interactions reduce paper, enable near-real time decision making by Government

Easier for industry to comply with government regulations

Reduced costs for Government and industry

ACE Progress



33% faster truck processing with ACE

More than 630,000 Simplified Entries filed

More than 44% of entry summaries filed and 76% of duties and fees collected in ACE

Reduced courier/printing costs saving each participant ~$900K/year

9 PGAs receiving data via ACE

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Mandatory Dates for Transition to ACE

Date	Mandatory Requirement	Time Remaining
May 1, 2015	Mandatory use of ACE for electronic import and export manifest	7 months
November 1, 2015	Mandatory use of ACE for electronic Cargo Release and related Entry Summary filings	13 months
October 1, 2016	Mandatory use of ACE for all remaining portions of the CBP cargo process	24 months

High Level ACE Deployment Schedule

	DEPLOYMENTS A-D November 2, 2013 - July 12, 2014 Increments 1-5	DEPLOYMENT D October 18, 2014 Increments 6 & 7	DEPLOYMENT D January 3, 2015 Increments 6 & 7	DEPLOYMENT E July 4, 2015 Increments 8 & 9	DEPLOYMENT F January 2, 2015 Increments 10 & 11	DEPLOYMENT G July 2, 2016 Increment 12
PRE-ARRIVAL MANIFEST	**Dep. B** • Vessel Management System (VMS)		• Air Manifest Processing		• Transition: › Truck Manifest to MMM ACE Architecture	• Air Manifest: › Integration with ACAS (Dependent on Regulatory Changes)
ARRIVAL CARGO RELEASE	**Dep. A** • Air Processing › Corrections & Cancellations › In-Bonds › Partial Quantities › Split Shipments (Hold All & Immediate Delivery) • Upgraded GUI for CBP Personnel **Dep. B** • Ocean/Rail Processing › Corrections & Cancellations › No In-Bonds › No Partials • Single Accept/Reject message for system response • Mail Entry Writing System (MEWS) **Dep. C** • Air Processing › Certified from Entry Summary • Ocean/Rail Processing › In-Bonds › Partials › Certified from Entry Summary • Truck Processing › Corrections & Cancellations › No In-Bonds › No Partials **Dep. D** • Single CR filing to include ISF data	• Trade Ability to Query Entries via ABI (Cargo/Manifest/Entry Release Query)	• Truck Processing › Partial Quantities › In-Bonds › Certified from Entry Summary • Non-ABI Entries • Automated Entry Types: › 03	• Automated Entry Types: › 02, 06, 07, 12, 21, 22, 23, 31, 32, 34, 38, 51, 52 • CBP-Initiated Corrections • CBP Comparison Tool • Remote Location Filing (RLF) • CBP Ability to Initiate Redelivery • PGA Request for Redelivery	• Diversion Process: National/Local Level • FTZ Admissions • Expedited Release (BRASS, FAST, Line Release)	
POST RELEASE ENTRY SUMMARY & ACCOUNTS	**Dep. A** • System Validations: › Harbor Maintenance Fee › Classification • Single Accept or Reject message for system responses **Dep. B** • System Validations: › Simple Duty Calculations **Dep. C** • System Validations: › Complex Duty Calculations › Merchandise Processing Fee (MPF) **Dep. D** • System Validations: › Informal Entry Restrictions › Charges Restrictions › Taxes › Other Fees	• ACE ES Foundation and Framework Stabilization (PRs, CRs, IRs)	• Electronic Bond Processing: › Single Transaction Bonds (STB) › Continuous Bonds • Exporter Accounts	• Refactor Entry Summary Types 01, 03 and 11 • Non-ABI Entry Summary • Automated Entry Summary Types: › 02, 06, 07, 12, 21, 22, 23, 31, 32, 34, 38, 51, 52 • Remote Location Filing (RLF) • Quota Master Data • Quota Restrictions	• Statements • Reconciliation • NAFTA Duty Deferral • Drawback • Liquidation • Transition: › Collections to new ACE Architecture › ES Mass Updates • Provide SEACATS interfaces • Transition Automated Surety Interface (ASI) • Warehouse Tracking • Mass Updates Enhancements	• Protest • HTS Database • FTZ Warehouse Tracking • Transition Entry Summary Review Module • Create Lab Sample Records • Queries for Historical & Archived ACS data
EXPORTS	**Dep. C** • Commodity Processing › Support for Census and BIS Regulatory Filings	• Air Manifest Processing (Pilot Efforts Pending Publication of Federal Register Notice)	• Ocean/Rail Manifest Processing (Pilot Efforts Pending Publication of Federal Register Notice)	• Truck Manifest Processing (Canada/Mexico) (Pilot Efforts Pending Publication of Federal Register Notice) • Export Validation Messages and Holds (Air/Ocean/Rail)	• Transition AES Direct features to ACE	
PGA INTEGRATION – Document Image System (DIS)	**Dep. A** • APHIS • CDC • EPA • FSIS • NMFS	• APHIS • CDC		• CPSC • FWS • OTEXA • TSA	• ATF • IRS	• E&C
PGA INTEGRATION – Interoperability Web Services (IWS)	**Dep. A** • FSIS • CPSC • USCG **Dep. D** • AMS • NMFS • TTB	• NHTSA		• AMS • NMFS • TTB	• BLS • EIA • E&C, OTEXA • IRS	• FMC • USTR
PGA INTEGRATION – PGA Message Set	**Dep. A** • EPA (Ozone Depleting Substances) • EPA (Vehicles & Engines) • FSIS (Application for Inspection)	• APHIS Lacey Act • CDC (Human Blood) • NHTSA • NMFS • EPA (Pesticides) • EPA (Vehicles & Engines)		• FCC • FDA • FWS	• E&C (Steel Licensing) • USACE	• E&C (Steel Licensing) • USACE
PGA INTEGRATION – Other Data Exchange Types	**Dep. B** • Data: Census, NRC • APHIS (Streamlined Findings Input) **Dep. C** • BIS (Export: Licensing Forms) • DDTC (Export Content)	• EPA (Exports: Haz. Waste) • AMS (Exports: Apples & Grapes)	• APHIS (309) • DEA (Export: Precursor and Controlled Chemical Shipments) • OFAC (Export: Licensing Forms)	• AMS • FAS • FCC • FDA	• BIS (Export Decrementation) • DDTC (Export Content)	• Data: A/LM, OFM, OES

MAY 1, 2015: MANDATED USE OF ACE FOR ALL ELECTRONIC MANIFEST FILINGS.

NOVEMBER 1, 2015: MANDATED USE OF ELECTRONIC CARGO RELEASE AND ASSOCIATED ENTRY SUMMARY.

OCTOBER 1, 2016: MANDATED USE OF ACE FOR ALL REMAINING ELECTRONIC PORTIONS OF THE CBP CARGO PROCESS.

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Full schedule available at cbp.gov/ace

ACE/Automated Export System (AES)

AES Re-Engineering (Commodity Filing)

- March 22, 2014 - ACE/AES was deployed to the new ACE platform.
- The existing AES post-departure filing option (option 4) is available on the new ACE/AES platform for existing and approved option 4 filers.
- The AES legacy system was retired in April 2014.
- CBP is now decrementing from the license value provided by the trade for DDTC license type 05.

ACE/AES Census Regulatory Changes

The re-engineered AES included the following enhancements for Census Bureau regulatory changes:

- Post-departure filing times changed from ten (10) to five (5) calendar days from the date of exportation
- Added Ultimate Consignee Type and License Value
- Foreign Trade Zone Identifier increased from five to seven alpha-numeric characters

On April 3, 2014 Census issued a Foreign Trade Regulation (FTR) letter delaying enforced compliance for these changes.

- An additional 180 day “informed compliance” period from April 5 to October 2, 2014.
- The system is rejecting filings with these fields missing and is replying with a fatal error.

ACE/AES Advance Export Information (AEI)

On January 31, 2014 - Census & CBP/OFO issued a Federal Register Notice (FRN) to announce the AEI pilot and define eligibility requirements and details on the pilot.

The AEI filing option:

- Requires the filing of 10-12 data elements pre-departure with the remaining data elements to be filed 5 days after export.
- Selected trade members are currently testing the new AEI process and will be starting their piloting of the new filing option this fall.

ACE/AES and AES Direct

In keeping with the President's Executive Order and the single window concept, the ACE AES functionality is being enhanced to support existing AES Direct filing options. This functionality is being developed over the next year and will support the following in ACE:

- ACE Exporter Accounts
- AES Trade Reports
- ACE Portal filings of Electronic Export Information

ACE Export Manifest

- CBP is building an electronic export manifest process for the various modes of transportation (Air, Ocean, Rail, Truck) to eliminate costly and time consuming paper processes in place today.
  - These export manifest developments will be rolled out as pilots over the next year pending publication of a final regulation change removing paper filing as an option and allowing for filing electronically by the trade.

- Air export manifest is currently being coded for a tentative fall 2014 pilot which will be announced as part of a Federal Register Notice (FRN).
  - The capability has been coded in the industry standard message sets of **Cargo-IMP 32nd Edition** and CBP is currently coding an **XML Unified** Multi-Modal Manifest Message set for use with all four MOTs.
  - CBP will code for **XML IATA 2nd Edition**, and possibly for an AIR CAMIR manifest version.
  - Currently a draft version of a possible Air CAMIR export manifest is published on the website and this will be updated as soon as possible with additional guidance on the two additional message sets above. (Cargo-IMP, and XML Unified Multi-Modal Manifest Message Set.)

ACE Export Manifest – cont'd

- Ocean export manifest will be coded for a tentative early 2015 pilot and will be announced as part of a FRN prior to being implemented. It is being coded to the current ANSI X12 message set and the Ocean CAMIR message set.
  - There is also a Frequently Asked Questions (FAQ) posted along with the instructional guidelines on the CBP website. http://www.cbp.gov/trade/ace/export-manifest

- Rail export manifest will be coded for a tentative early 2015 pilot and will be announced as part of a FRN prior to being implemented. It is being coded to the industry standard ANSI X12 message set.

- Truck export manifest is still being discussed and guidance will be released once plans for this functionality are completed.

ACE Export Manifest Highlights

ACE export manifest will provide the ability for trade to file and CBP to process electronic export manifests.

Benefits	• ACE will provide advance validation of the Internal Transaction Number (ITN) that will link the manifest and commodity filings. • ACE will provide advance notice of holds prior to loading. • ACE will automate the closing out of the in-bond transaction with one departure message.

Pilots	• Federal Register Notice (FRN) will be published soliciting trade participants for export manifest pilots for all modes.
	• Rolled out similar to ACE Cargo Release – beginning with limited carriers, limited ports.
	• Air, ocean and rail export manifest pilots will be operational and available by May 2015 when all electronic export manifests must be filed in ACE.
	  • Air export manifest pilot – Target: Fall 2014
	  • Ocean export manifest pilot – Target: Early 2015
	  • Rail export manifest pilot – Target: Early 2015
	  • Truck export manifest pilot – Target: TBD

Export Manifest Programming Requirements

- Air export manifest will support Cargo Imp Message Set, XML and if needed, Air CAMIR.
- Rail export manifest will support ANSI X12 7010 standard as posted on cbp.gov.
- Ocean export manifest will support existing transaction sets for ANSI X12 and CAMIR.
- Truck export manifest IGs are being drafted and will be posted on cbp.gov as soon as available.
- CBP is working on a draft proposed unified XML version for export manifest inclusive of all modes (air, ocean, rail and truck) that will be provided to the trade as soon as possible.

ACE Export Manifest

- **Draft Export Manifest Implementation Guidelines Posted to cbp.gov:**
  - Draft Air Export Manifest – CAMIR
  - Draft Ocean Export Manifest – CAMIR
  - Draft Ocean Export Manifest – X12
  - Draft Export Rail Manifest – X12

- **Link**
  - **http://www.cbp.gov/trade/ace/export-manifest**

Questions?

http://cbp.gov/ace
askACE@cbp.dhs.gov

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