Automated Commercial Environment | Development Schedule

	Increment 1 February 12 - May 7, 2013	Increment 2 May 8 - August 6, 2013	Increment 3 August 7 - November 5, 2013	Increment 4 November 6, 2013 - February 4, 2014	Increment 5 February 5 - May 6, 2014	Increment 6 May 7 - August 5, 2014	Increment 7 August 6 - November 4, 2014	Increment 8 November 5, 2014 - February 3, 2015	Increment 9 February 4 - May 5, 2015	Increment 10 May 6 - August 4, 2015	Increment 11 August 5 - November 3, 2015	Increment 12 November 4, 2015 - February 2, 2016
PRE-ARRIVAL Manifest			• Vessel Management System (VMS)	• Air Manifest Processing › Accept Data and Reply	• Air Manifest Processing	• Air Manifest Processing › Import EDI Air Manifest	• Air Manifest Processing › Import EDI Air Manifest Splits, Departure messages and Notifications › Import UI Air Manifest › Import Air Manifest External Interfaces	• Air Manifest Processing: › EDI for Arrival and Query › In-Bond QX/WX Conversion			• Manifest Interface w/ Findings	• Air Manifest: › Integration with ACAS
ARRIVAL Cargo Release (CR)	• Air Processing › Corrections & Cancellations	• Air Processing › In-Bonds › Partial Quantities › Split Shipments (Hold All & Immediate Delivery) • Upgrade GUI for CBP	• Single Accept/Reject message for system responses • Ocean/Rail Processing › Corrections & Cancellations › No In-Bonds › No Partials • Mail Entry Writing System (MEWS) • Data Build-out • Finish cancellation process from ACE Entry Summaries to ACE Cargo Release (CR)	• Air , Ocean & Rail Processing › Certified from Entry Summary › Partial Quantities • Truck Processing › Corrections & Cancellations › No In-Bonds › No Partials	• Single CR filing to include ISF data • Diversion Process: National/Local Level • Truck Processing: › In-Bonds › Holds	• GUI Capabilities • Trade Ability to Query Entries via ABI (Cargo / Manifest / Entry Release Query) • Non-ABI Entries • Truck Processing: › Partial Quantities • Diversion Process: National/Local Level	• Non-ABI Entries (con't) • CBP Ability to Initiate Redelivery • Automated Entry Types: › 03, 21, 22, 23, 31, 34 • Certified from Entry Summary - All Modes (Fix to Deployment C)	• Automated Entry Types: › 02, 07, 12 • CBP-Initiated Corrections • PGA Request for Redelivery	• Automated Entry Types: › 06, 32, 38, 51, 52 • Remote Location Filing (RLF)	• Refactor ISF in ACE • Truck Business Rules • Expedited Release (BRASS, FAST, Line Release)	• FTZ Admissions	• FTZ Admissions (cont)
POST RELEASE Entry Summary (ES), Accounts & Revenue	• System Validations: › Harbor Maintenance Fee	• System Validations: › Classification • Single Accept or Reject message for system responses	• System Validations: › Simple Duty Calculations	• System Validations: › Complex Duty Calculations › Merchandise Processing Fee (MPF)	• System Validations: › Informal Entry Restrictions › Charges Restrictions › Taxes › Other Fees • Electronic Bond Processing (1)	• ACE ES Foundation and Framework Stabilization (PRs, CRs, IRs) • Electronic Bond Processing (2) • Importer Accounts/5106 Changes • Transition Collections to new ACE Architecture (1)	• Refactor Entry Summary Types 01, 03 and 11 • Statements • Electronic Bond Processing (3) • Exporter Accounts • Transition Collections to new ACE Architecture (2)	• Refactor Entry Summary Types 01, 03 and 11 (con't) • Statements (con't) • Exporter Accounts (con't) • Quota Master Data • Automated Entry Summary Types: › 02, 07, 21, 22 • Quota Restrictions • Transition Collections to new ACE Architecture (3)	• Automated Entry Summary Types: › 02, 07 (cont) › 06, 12, 23, 31, 32, 34, 38, 51, 52 • Non-ABI Entry Summary • Remote Location Filing (RLF) • Transition Collections to new ACE Architecture (4)	• Reconciliation • NAFTA Duty Deferral • Drawback • Liquidation • Queries for Historical and Archived ACS data • Warehouse Tracking • Transition Automated Surety Interface (ASI) • Transition Collections to new ACE Architecture (5)	• Reconciliation (con't) • Drawback (con't) • Liquidation (con't) • Protest • HTS Database • FTZ Warehouse Tracking • Provide SEACATS interfaces • Transition Collections to new ACE Architecture (6)	• Protest (con't) • HTS Database (con't) • FTZ Warehouse Tracking (con't) • Refactor Validation Activity Module • Create Lab Sample Records • Queries for Historical & Archived ACS data (con't)
EXPORTS	• AES commodity re-engineering including Census & BIS reg changes	• AES commodity re-engineering including Census & BIS reg changes	• AES commodity re-engineering • Manifest Foundation • AES New Features		• Air Manifest Processing • Transition AES Commodity Capabilities to new ACE Architecture • Transition AES Ocean vessel transportation module to ACE platform	• Air Manifest Processing (Cargo-IMP and Cargo-XML) • Air GUI Updates	• Ocean/Rail Manifest (ANSI X12) Processing • Transition AES Direct › Create ACE Portal User Interface	• Export Validation Messages and Holds (Air/Ocean/Rail) • Message Set Translations › IATA2, Air and Ocean CAMIR • Transition AES Direct › Maintain Filing Data in Response Manager	• Truck Manifest Processing (Canada/Mexico) › Hold Processing › Finding Development Processing • Transition AES Direct › EEI Template Manager and Party Profile Manager	• Message Set Translations › Unified XML Multi Modal Manifest Set • Transition AES Direct › Additional Filing Functions		
PGA INTEGRATION Document Image System (DIS)	• APHIS • CDC • EPA • FSIS • NMFS					• APHIS • CDC		• FWS	• OTEXA	• IRS		• DEA • E&C
Interoperability Web Services (IWS) and Other Data Feeds	• FSIS • CPSC • USCG	• APHIS (Streamlined Findings Input)	• APHIS (Streamlined Findings Input)		• AMS • NMFS • TTB	• NHTSA	• APHIS (309)	• APHIS (EAN) • FDA • FCC	• BTS • FWS • PHMSA	• BIS • EIA • E&C, OTEXA	• BLS • IRS	• FMC • USTR
PGA Message Set	• EPA (Ozone Depleting Substances)	• EPA (Vehicles & Engines) • FSIS (Application for Inspection)				• APHIS Lacey Act • CDC (Human Blood) • FDA (Start) • NHTSA • NMFS • EPA (Pesticides) • EPA (Vehicles & Engines)	• FDA	• AMS • FDA • USDA (Cut Flowers)	• FAS • FCC • FWS • TTB	• E&C (Steel Licensing) • USACE	• CPSC	
Other Data Exchange Types			• Data: Census, NRC	• BIS (Export: Licensing Forms)		• EPA (Exports: Haz. Waste) • AMS (Exports: Apples & Grapes)	• DEA (Exports: Precursor and Controlled Chemical Shipments) • OFAC (Export: Licensing Forms)		• FWS (Export Licensing Forms) • NMFS (Export: Licensing Forms)	• BIS (Export Decrementation) • DDTC (Export Content)		• Data: A/LM, OFM, OES
TECHNICAL SERVICES	ABI Profiles | Critical fixes | Document Image System | Reports | Logging and audit services | Miscellaneous technical services | Security services											

Continue with post-core development.

Schedule subject to change.
Certification environment for testing planned 8 weeks ahead of deployment.

Automated Commercial Environment | Deployment Schedule

	Deployments A - D November 2, 2013 - October 18, 2014 Increments 1 - 5		Deployment D January 3, 2015 Increment 7		Deployment E April 18, 2015 – July 4, 2015 Increments 8 and 9		Deployment F October 31, 2015 – January 2, 2016 Increments 10 and 11		Deployment G July 2, 2016 Increments 12
PRE-ARRIVAL Manifest	**Dep. B** • Vessel Management System (VMS)		• Air Manifest Processing					• Manifest Interface with Findings	• 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 • Non-ABI Entries • Automated Entry Types: › 03 • Certified from Entry Summary - All Modes (Fix to Deployment C)		• CBP-Initiated Corrections • PGA Request for Redelivery	• Automated Entry Types: › 02, 06, 07, 12, 21, 22, 23, 31, 32, 34, 38, 51, 52 • Remote Location Filing (RLF) • CBP Ability to Initiate Redelivery	• Expedited Release (BRASS, FAST, Line Release)	• Diversion Process: National/Local Level	• FTZ Admissions
POST RELEASE Entry Summary, Accounts & Revenue	**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 • Importer Accounts/5106 Changes	• 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 • Transition: › Automated Surety Interface (ASI)	• Reconciliation • NAFTA Duty Deferral • Drawback • Liquidation • Transition: › Collections to new ACE Architecture • Provide SEACATS interfaces • Warehouse Tracking	• Protest • HTS Database • FTZ Warehouse Tracking • Refactor Validation Activity Module • Create Lab Sample Records • Queries for Historical & Archived ACS data
EXPORTS	**Dep. C** • Commodity Processing › Support for Census and BIS Regulatory Filings	**Dep. D** • 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	**Dep. D** • APHIS • CDC				• FWS • OTEXA		• IRS	• DEA • E&C
Interoperability Web Services (IWS) and Other Data Feeds	**Dep. A** • FSIS • CPSC • USCG **Dep. B** • APHIS (Streamlined Findings Input)	**Dep. D** • AMS • NMFS • TTB • NHTSA	• APHIS (309)		• APHIS (EAN) • FDA	• BTS • FCC • FWS • PHMSA		• BIS • BLS • EIA • E&C, OTEXA • IRS	• FMC • USTR
PGA Message Set	**Dep. A** • EPA (Ozone Depleting Substances) • EPA (Vehicles & Engines) • FSIS (Application for Inspection)	**Dep. D** • APHIS Lacey Act • CDC (Human Blood) • NHTSA • NMFS • EPA (Pesticides) • EPA (Vehicles & Engines)			• AMS • FDA	• FAS • FCC • FWS • TTB • USDA (Cut Flowers)		• E&C (Steel Licensing) • USACE • CPSC	
Other Data Exchange	**Dep. B** • Data: Census, NRC **Dep. C** • BIS (Export: Licensing Forms)	**Dep. D** • EPA (Exports: Haz. Waste) • AMS (Exports: Apples & Grapes)	• DEA (Export: Precursor and Controlled Chemical Shipments) • OFAC (Export: Licensing Forms)			• FWS (Export: Licensing Forms) • NMFS (Export: Licensing Forms)		• BIS (Export Decrementation) • DDTC (Export Content)	• Data: A/LM, OFM, OES
TECHNICAL SERVICES	ABI Profiles | Critical fixes | Document Image System | Reports | Logging and audit services | Miscellaneous technical services | Security services								

May 1, 2015: Mandatory use of ACE for all electronic manifest filings.

November 1, 2015: Mandatory use of ACE for all electronic cargo release and related entry summary filings

October 1, 2016: Mandatory use of ACE for all remaining electronic portions of the CBP cargo process.

Entry Code and Description

00 - Consumption Category
01 - Consumption - Free and Dutiable
02 - Consumption - Quota/Visa
03 - Consumption - Antidumping/ Countervailing Duty)
04 - Appraisement
05 - Vessel - Repair
06 - Consumption - Foreign Trade Zone (FTZ)
07 - Consumption - Antidumping/ Countervailing Duty and Quota/Visa Combination
08 - NAFTA Duty Deferral
09 - Reconciliation Summary
10 - Informal Category
11 - Informal - Free and Dutiable
12 - Informal - Quota/Visa (other than textiles)
20 - Warehouse Category
21 - Warehouse
22 - Re-Warehouse
23 - Temporary Importation Bond (TIB)
24 - Trade Fair
25 - Permanent Exhibition
26 - Warehouse - Foreign Trade Zone (FTZ) (Admission)
30 - Warehouse Withdrawal Category
31 - Warehouse Withdrawal Consumption
32 - Warehouse Withdrawal - Quota
33 - Aircraft and Vessel Supply (For Immediate Exportation)
34 - Warehouse Withdrawal Antidumping/Countervailing Duty
38 - Warehouse Withdrawal - Antidumping/Countervailing Duty & Quota/Visa Combination
40 - Drawback Category
41 - Direct Identification Manufacturing Drawback
42 - Direct Identification Unused Merchandise Drawback
43 - Rejected Merchandise Drawback
44 - Substitution Manufacturer Drawback
45 - Substitution Unused Merchandise Drawback
46 - Other Drawback
50 - Government Category
51 - Defense Contract Administration Service Region (DCASR)
52 - Government - Dutiable
60 - Transportation Category
61 - Immediate Transportation
62 - Transportation and Exportation
63 - Immediate Exportation
64 - Barge Movement
65 - Permit to Proceed
66 - Baggage
90 - Special Entry Processing - Not in Use

Schedule subject to change.
Certification environment for testing planned 8 weeks ahead of deployment.

ACE Development & Deployment Schedule Updates
December 2014

Updated 12/16/14

Below are the significant changes to the schedule from Version 7.1/October to 8.0/ December.

General:

- Added Deployment E – April 18, 2015 release
- Added Deployment F – October 31, 2015 release
- Modified PGA Integration Interoperability Web Services to also read "and Other Data Feeds"

PRE-ARRIVAL
Manifest
	• Transition Truck Manifest to MMM ACE Architecture (Foundation, Secondary and Primary)
	  ○ Shifted development from Increments 9 and 10 to post-core backlog, as part of prioritization on core capabilities. Removed from deployment schedule.
	• Transition Truck Business Rules and Practices
	  ○ Shifted development from Increment 11 to post-core backlog as part of prioritization on core capabilities. (Was not previously on deployment schedule because no user impact.)
	• Transition Truck Cargo Movement (In-Bond, PTT, etc.)
	  ○ Shifted development from Increment 11 to post-core backlog as part of prioritization on core capabilities. (Was not previously on deployment schedule because no user impact.)
	• Manifest Interface with Findings
	  ○ Moved from Arrival to Pre-Arrival to correct business theme – Increment 11
	  ○ Added to January 2, 2016 (Dep F)

ARRIVAL
Cargo Release
	• Truck Processing
	  ○ Modified Certified from Entry Summary capability to identify that it is for all modes of transportation and is a fix to Deployment C.
	• Entry Types
	  ○ Shifted work for entry types 7 and 12 from Increment 9 to Increment 8, to group all quota entry types in Increment 8
	  ○ Shifted work for entry types 38, 51 and 52 from Increment 8 to Increment 9, to group remaining non-quota entry types in Increment 9
	• CBP Initiated Corrections
	  ○ Shifted deployment of capability from July 4, 2015 (Dep E) to new deployment on April 18, 2015 (Dep E), to deliver capability to users earlier
	• Expedited Release
	  ○ Shifted deployment from Jan 2, 2016 (Dep F) to new deployment on Oct 31, 2015 (Dep F), to deliver capability to users earlier
	• FTZ Admissions
	  ○ Shifted work from Increments 9 and 10 and Jan 2, 2016 (Dep F) to Increments 11 and 12 and July 2, 2016 (Dep G) to reflect accurate timing of development activity
	• CBP Comparison Tool
	  ○ Shifted development from Increment 9 to post-core backlog as part of prioritization on core capabilities. Removed from deployment schedule.

POST RELEASE (Entry Summary, Accounts, Revenue)	• Exporter Accounts
	  ○ Shifted deployment from Jan 3, 2015 (Dep D) April 18, 2015 (Dep E), to reflect accurate timing of development activity
	• Importer Accounts/5106 Changes
	  ○ Changed name of capability (from Maintain Accounts) for clarification in Increment 6
	  ○ Added to April 18, 2015 (Dep E) since not previously included on deployment schedule
	• Statements
	  ○ Shifted deployment from Jan 2, 2016 (Dep F) to new deployment on Oct 31, 2015 (Dep F), to deliver capability to users earlier
	• Transition Automated Surety Interface
	  ○ Shifted deployment from Jan 2, 2016 (Dep F) to new deployment on Oct 31, 2015 (Dep F), to deliver capability to users earlier
	• Transition ES Mass Updates
	  • Shifted development from Increment 10 to post-core backlog, as part of prioritization on core capabilities. Removed from deployment schedule.

	• Mass Update Enhancements
	  ○ Shifted development from Increment 11 to post-core backlog to reflect accurate timing and removed from deployment schedule.
	• Transition Entry Summary Review Module
	  ○ Renamed to Refactor Validation Activity Module

PGA INTEGRATION	These capabilities have been updated based on additional information received from the PGAs.
	• DIS
	  ○ Moved CPSC from DIS to PGA Message Set (Increment 11 and Dep F)
	  ○ Removed TSA (Increment 9 and Dep E)
	  ○ Added DEA to Increment 12 and Dep G
	• Interoperability Web Services and Other Data Feeds
	  ○ Added BIS to Increment 10 and Dep F (Jan 2016)
	• Other Data Exchange
	  ○ Removed DDTC/Export Content (Increment 4 and Dep D)
	  ○ Shifted from Other Data Exchange to IWS:
	  ▪ APHIS/Streamlined Findings (Increment 2/ Dep B)
	  ▪ APHIS/309 (Increment 7/ Dep D)
	  ▪ APHIS/EAN (Increment 8/ Dep E)
	  ▪ BTS (Increment 9/ Dep E)
	  ▪ PHMSA (Increment 9 / Dep E)