

FY20 Approved Time Definite Delivery Standards

Effective 01 Oct 2019

USTRANSCOM

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POC:

USTRANSCOM, J4 Logistics Division
Metrics & Analysis Branch



UNITED STATES TRANSPORTATION COMMAND

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01 October 2019

MEMORANDUM FOR RECORD

FROM: USTRANSCOM J4-LM

SUBJECT: Approved FY20 Time Definite Delivery Standards

1. The attached document outlines the approved FY20 Time Definite Delivery (TDD) standards. The FY20 standards were coordinated through the Joint Deployment and Distribution Enterprise (JDDE) Community of Interest (COI) and are effective 01 October 2019.
2. These standards will remain in affect until futher notice.

TCJ4-LM, Metrics & Analysis Branch

1 Attachment:

1. FY20 Approved TDD Framework Methodology



Capability Standard Input Updates for FY20 Sub-segment Definitions, Methodology and Data

TCJ4-LM

1 October 2019



Background

- The following slides provide a detailed list of inputs from all process owners.
- Updated information has burgundy color font and/or a superscript (FY²⁰) marking.
- For cases where the input values were the same for all streams, the values are shown. Otherwise the Methodology is explained.
- Facer slides proceed each table in order to further describe the information and/or methodology presented in the slides.
- For further information regarding the background of this initiative, see the Capability vs Operational Needs Project Overview report (dated July 2016) located on [DEPS Sharepoint](#).



FY20 CONUS Customer Regions

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For IntraCONUS in FY18, the four customer regions which subdivide the 48 states into Northeast (NE), Southeast (SE), Central (CE), and West (WE) were further subdivided to include the 12 top-volume states. The 'US Other' region which previously contained Navy ship customers with missing address data has been integrated into the four geographic regions using Navy-supplied location data. **No changes were made to consignee locations for FY20 distribution streams.**



FY20 CONUS Customer Regions

- Twelve states have **526** unique distribution streams representing the top-volume states.
 - In CY18, State streams contained ~80% of the CONUS requisition volume.
- Remaining volume assigned to 180+ regional streams for Northeast (NE), Southeast (SE), Central (CE) and West (WE).





Source Segment

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The Source segment starts with the document date which is derived from the Julian date within the requisition number and ends with the Material Release Order (MRO) at the supply location. It encompasses three sub-segments which are Requisition Submission Time (RST), Service Processing Time (SPT), and Inventory Control Point (ICP) Processing Time. The Services own the time in RST and SPT while the ICP processing is managed by the Supply Group reported within the stream.

The term 'Auto-Calc' (Auto-Calculation) in the entry designates the input was based on historical processing times with USTCJ4-LM created auto-calc methodology to fill the gaps from multiple process owners. The methodology is outlined at the end of the capability standards section after the Theater segment capability standards.



Source Segment

- Source is comprised of 3 sub-segments:

Sub-Segment Name	Process Owner	Timestamp begin and end	General Description of activity
Requisition Submission	Services	Document Date to Establish Date (push to DAAS)	Wholesale vs Retail decision
Service Processing	Services	Establish Date to Return Date (push to Item Manager)	Service determines how to fill & funding
Inventory Control Point (ICP)	Defense Logistics Agency (DLA) Government Services Administration (GSA) and Services	Return Date to Material Release Order (MRO) - Excludes backorder time	Item manager determines where to fill, creates MRO



Source Segment

RST begins with the Julian date within the document number and ends with the establish date when it is received by Logistics Metrics Analysis Reporting System (LMARS).

SPT begins with the establish date and ends with the Requisition Transmit date when processing instructions are received by the customer to indicate the appropriate ICP. The capability standard was calculated using a function of Service volume by requisition count and rounding their inputs up to the nearest whole number. The next slide provides the aggregate values determined from inputs received from the Services.

The ICP time is owned by the supplier of the requisition and starts with the requisition transmit date and ends with the MRO at the source location. With our supplier groupings, DLA and GSA provided inputs. DLA provided one day citing their data analysis showed more than 15% of the requisitions took at least one day to process through the ICP. **GSA blended processing from all vendor contracts is consistently taking 1-2 days, so the standard was tightened to two days for FY20. GSA Planned DVD instructions for all contracts can be found** in GSA publication ON-16-02, GSS (General Supply and Services (GSS) Operational Notice (ON) A0-16-02, Standard Delivery Time Requirements for GSS Global Supply Program. For streams sourced by 'Other' and Combatant Command (CCMD) depot groups, the historical performance was calculated using **CY18** SDDDB data and resulted in an entry of one day for all streams sourced from blended CCMD depot group comprised of Service / DLA depots.



Source Segment

- Capability Standard for each sub-segment:

Sub-Segment Name	Process Owner	Days	Exceptions (Auto-Calculate streams)
Requisition Submission	Services	1	Auto Calculate: Low volume streams with Mode & Location that are not known (truck in location w/o depot, ex Truck Azores or Planned DVD – Truck – Japan)
Service Processing	Services	1	Same as Requisition Submission
Inventory Control Point (ICP)	DLA / GSA / Services	DLA: 1 GSA: 2 ^{FY20} Other: Auto = 1	NORTHCOM OCONUS, CONUS OTHER and OCONUS OTHER depot groups (Service sourced requisitions) historical performance of 1 day for CY18



Supplier Segment – Depot Group Definitions

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The Supplier segment starts with the MRO at the supply location and ends with the last reported supplier activity. For Commercial Express (moved under NGDS), MILAIR (loose Military Air shipments to the port), OCONUS truck and all IntraCONUS modes, the supplier segment ends at the warehouse ship timestamp. One exception (implemented in FY19) is for Alaska truck streams that have consolidation in CONUS; those streams end the supplier at the Container Consolidation Point (CCP) ship time stamp applied when the truck departs.

For MILALOC (palletized Military Air shipments to the port) and **COMALOC (Commercial Air Lines Of Communication, representing commercialized MILALOC moved by Category A (CAT A) contract or other commercial less than plane load contracts)**, the supplier ends at the CCP ship time stamp applied to the pallet.

For requisitions transported by ocean, the Supplier Segment ends at the carrier pick-up event. DLA sources the abundance in CONUS and Combatant Command (CCMD) forward depots. GSA manages GSA Planned DVD while Services' requisitions mostly reside in the 'Other' supply groups for CONUS/OCONUS and some of the CCMD depot groups.



Supplier Segment – Depot Group Definitions

- **Supplier activities are performed by DLA, GSA, and Services, at their locations or by contracted vendors.**
 - DLA non-DVD groups include Service owned material on the shelf at DLA depot.
 - Excludes all DVDs marked as Backordered or Unplanned (CorpFill or CWTFill).
 - Also excludes DLA DVDs marked as Non-Stocked (CorpFill = E); N/A for CWTFill.

Owner	Depot Groups	Definition
DLA	DDSP	Any Req sourced from DDSP (RICs physically located at DDSP with Alias of DDSP).
	DDJC	Any Req sourced from DDJC (RICs physically located at DDJC with Alias of DDJC).
	DDRT (CONUS only)	Any Req sourced from DDRT for CONUS Customer (RICs physically located at DDRT with Alias of DDRT. For OCONUS customers, DDRT is in DLA CONUS).
	DLA CONUS	Any DLA managed depot located in CONUS not listed separately.
	DLA Planned DVD	Any DLA sourced DVD that is Planned (CorpFill = B) or Immediate Issue (CorpFill = A).
GSA	GSA Planned DVD	Any GSA sourced DVD that is Planned (CWTFill = B) or Immediate Issue (CWTFill = A).
Services	CONUS Other, OCONUS Other	Any non DLA or GSA depot (mostly Services) including off the shelf, Service sourced DVDs or very low volume of GSA non-DVD. Volume split in FY18 to CONUS and OCONUS sourced.
multiple	AFRICOM, EUCOM, INDOPACOM, CENTCOM, NORTHCOM OCONUS	Any Req sourced from that CCMD. Supplier segment defined by DLA since primary volume is from DLA except for NORTHCOM OCONUS, which is set to auto-calculate based on historical performance of service owned depots. New in FY18: AFRICOM and NORTHCOM OCONUS.



Supplier Segment – Sub-segments

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The Source Segment section above was outlined by sub-segment. Based on the complexities of Supplier processing, the Supplier Segment overview will be broken down by mode. In the following slides, the CCMD Depot Groups column header shows the summary for depot streams from USAFRICOM, USCENTCOM, USEUCOM, USNORTHCOM OCONUS (primarily Alaska) and USINDOPACOM which breakout all OCONUS CCMDs where sourcing currently originates. Each of these CCMD Depot Groups include all volume from DLA and Service depots which is sourced from within each CCMD listed above. In most cases, the DLA volume is the primary or the only depot(s), except for NORTHCOM OCONUS.



Supplier Segment

- Supplier is comprised of 1-4 sub-segments, depending on mode:

Sub-Segment Name	Process Owner	Timestamp begin and end	General Description of Activity
Pick, Pack and Ship (PPS) + AC (Await Carrier) for MILAIR, Truck, & IntraCONUS	DLA, GSA, Services, Vendors; See Auto-Calc for Other (Services)	MRO Date to Warehouse ship (physical departure from depot)	Includes time waiting for departure of shipment (or truck)
Transportation to CCP (Consolidation and Containerization Point)	Defined by DLA or GSA; See Auto-Calc for Other (Services)	Warehouse Ship to CCP receipt	Transportation is contracted by others (USTRANSCOM/USPS) but scheduled by depot
CCP Processing (+ AC for COMALOC, MILALOC & Consolidated Truck)	DLA	CCP receipt to CCP ship (physical departure from CCP for air shipments)	Item manager determines where to fill, creates MRO
AC Pickup (separate for Ocean only)	Defined by DLA	CCP ship (door closed on container) to Carrier Pickup (physical departure from CCP)	Carrier picks up container whenever necessary to meet container RDD and sail date



Supplier Segment – Commercial Air

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Commercial Air Supplier Segment consists of warehouse processing and AC pick-up (Pick, Pack and Ship (PPS)) for shipments moved by Next Generation Delivery Service (NGDS) while COMALOC employs all supplier segments. Supplier inputs are provided in the slides to follow. DLA Distribution Susquehanna Pennsylvania (DDSP) and DLA Distribution San Joaquin California (DDJC) are the two primary CONUS DLA depots that source requisitions for both CONUS and OCONUS customers.

For PPS time, DLA provided an input of three days for depots and four days for Planned DVD vendors. The number was derived from DLA standard operating business rules where requisitions with a 3 priority get three days for PPS time for depots and four days for DVD vendors. Since more than 15% of the requisitions that travel via commercial air are priority 3, a three day PPS time was submitted for depot sources from both CONUS and OCONUS locations and four days for DVD vendors for DLA. **For some large volume streams, the large portion of high priority shipments drove a reduction of one day in the PPS standard for FY20.** Depending on the primary method of transportation to the CCP, some PPS times are impacted by a delay for consolidation or departure of the shipment. This Awaiting Carrier (AC) time was added to the PPS or CCP time as noted in the previous slide. DLA provided transportation times from the warehouse to CCP and for CCP process time. The transit times to the CCP were based on the following criteria:

- 0 days - Collocated facilities (DDSP depot function to DDSP CCP function).
- 8 days (DLA) or 10 days (GSA) - Assuming weekday pick-ups only for Planned DVD vendors to CCP via Parcel Post.
- 9 or 11 days - Scheduled truck route transit times for DDSP or DDJC to opposite CCP location.
- 7 or 8 days - Less than Truckload (LTL) transit time for DLA CONUS sources to DDSP or DDJC.
- 8 days – CONUS Other depots to either DDSP or DDJC, based on LTL Transit time



Supplier Segment – Commercial Air

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DLA also provided CCP processing times. For the **COMALOC** shipments, eight days were given for five days of consolidation time for air shipments and three days for AC pick-up, based on roller bed trucks using Monday thru Friday pick-ups. The CCP Processing time was used for all **COMALOC** shipments coming from other sources than DLA. DLA CONUS sourced **COMALOC** shipments were also given five days for consolidation and three days AC pickup, making a CCP processing standard of eight days total.

GSA submitted ten days for their vendor processing time until carrier pick-up and when required, an additional ten days for insertion into the DTS at CCP receipt. For NGDS shipments, ten days was given for PPS since the shipments enter DTS when the carrier picks up the shipment. For **COMALOC**, GSA Planned DVD vendor shipments were given ten days for PPS and ten days for transit to the CCP based on GSA publication ON-16-02.

For the 'Other' Depot groups, a global four day PPS time plus three days Awaiting Carrier was calculated with CY17 SDDDB data for NGDS shipments. **No change was required for FY20 based on historical performance for CY18.** For **COMALOC**, a 23 day Supplier time was calculated from historical data for the segment, and used to allocate the sub-segments. This was the methodology applied to all segments with multiple process owners and transitions for segments with auto calculation notations. After calculation of the historical segment level standard, the days were allocated across the sub-segments using other provider inputs as the guideline.



Supplier Segment – Commercial Air

- Capability Standard for each sub-segment:

Sub-Segment Name	DLA depot groups (DDSP, DDJC, DLA CONUS)	DLA Planned DVD	GSA Planned DVD	CONUS / OCONUS Other	CCMD Depot Group*
PPS (Comm Express)	3 / 2 ^{FY20} **	4	10	Auto-Calc*** = 4 + 3; Alaska/Hawaii = 5 ^{FY20}	3 / 2 ^{FY20} **
PPS (COMALOC) + AC for some streams	3 / 2 ^{FY20} ** – DDJC to West CCP 3 – DDSP to West CCP; DDJC to East CCP 3 / 2 ^{FY20} ** – CONUS to West CCP 3 / 2 ^{FY20} ** – DDSP to East CCP 5 / 4 ^{FY20} ** – CONUS to East CCP	4 + 3	10	Auto-Calc*** = 23 for Supplier Time; PPS = 4 + 3	N/A
Transportation to CCP (for COMALOC)	0 – DDJC to West, DDSP to East CCP 11 – DDSP to West CCP 8 – DLA CONUS to West CCP 9 – DDJC to East CCP 7 – DLA CONUS to East CCP	8	10	8	N/A
CCP Processing + AC (for COMALOC)	5 + 3	5 + 3	5 + 3 (per DLA)	5 + 3 (per DLA)	N/A

* CCMD Depot Groups = AFRICOM, CENTCOM, EUCOM, etc.

^{FY20} Updated standard

** High volume streams (See standards list for details)

*** Auto-Calc used for multiple process owners



Supplier Segment – Military Air

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Military Air consists of two transportation methods; MILAIR with a shipment sent loose to the port where it is palletized for onward movement and MILALOC where shipments are palletized within the supplier segment and sent to the port for onward movement. MILAIR consists of only the PPS process where MILALOC contains multiple supplier processes.

For MILAIR PPS time, DLA provided an input of three days for PPS with the same assumption that at least 15% of the requisitions were priority 3. Starting in FY19, the AC time for this mode was updated to be consistent across DLA depot locations with three days for DDSP, DDJC and DLA CONUS. **For some large volume streams, the large portion of high priority shipments drove a reduction of one day in the AC time for FY20.** The inputs were based on further research of the mode to the next node utilized at the DLA facilities, as well as a review of historical performance to confirm the updated approach. DLA also inputted four days for PPS time and four days AC time for DLA Planned DVD vendors.

GSA provided ten days for PPS and **tightened the standard to five** days for transit to the port of embarkation (POE) in accordance with GSA publication ON-16-02. For the 'Other' depot group, the historic performance for **CY18** was calculated using SDDB and **continued to be** in ten days for PPS and AC.

Finally, for MILAIR from CCMD depots, PPS was defined by DLA since that is the primary source of volume. DLA assigned three days for PPS and **two** days consolidation/AC from USAFRICOM, USCENTCOM, or USPACOM; from USEUCOM, DLA assigned three days PPS and **three** days consolidation / AC. In addition the streams from NORTHCOM OCONUS (Service depots) were calculated with **CY17** data and will also be measured at three days PPS and **two** days AC. **Again, for some large volume DLA streams, the large portion of high priority shipments drove a reduction of one day in the AC time for FY20.**



Supplier Segment – Military Air (Continued)

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For MILALOC, DLA depots were assigned three days with DLA Planned DVD vendors receiving four days. The number was derived from DLA standard operating business rules where requisitions with a priority 3 get three days for PPS time for depots and four days for DVD vendors. At least 15% of the requisitions transported by MILALOC from DLA locations are priority 3. Depending on the primary method of transportation to the CCP or POE, some PPS and CCP times are impacted by a delay for consolidation or departure of the shipment. This AC time was added to the PPS or CCP time as noted in the following slide. **Again, for some large volume DLA streams, the large portion of high priority shipments drove a reduction of one day in the AC time for FY20.** For MILALOC, DLA provided transportation times from the warehouse to CCP and CCP process time. The transit times to the CCP were based on the following criteria:

- 0 days - Collocated facilities (DDSP depot function to DDSP CCP function).
- 7 days - Scheduled truck route transit times from DLA CONUS to either CCP location.
- 11 days – Scheduled truck route transit times for DDSP or DDJC to opposite CCP location.

DLA also submitted three days PPS and **three** days consolidation/AC for CCMD sourced shipments marked as MILALOC to account for consolidation time in OCONUS depots. It will be counted in the overall Supplier segment as part of the PPS sub-segment since that is where it is measured. There are no OCONUS CCPs officially, so this activity is measured in PPS which is the only OCONUS Supplier process.



Supplier Segment – Military Air (Continued)

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CONUS sourced GSA Planned DVDs were assigned ten days for their vendor supplier processes. Ten days was given to PPS while ten additional days was given for transit to the CCP based on GSA publication ON-16-02.

For the 'Other' Depot group, a PPS time was **verified** across all CCMDs with **CY18** SDDDB data for MILALOC shipments. After calculation of the historical sub-segment standard, the days were allocated across the sub-segments using other inputs as the guideline. See the following slide for details.



Supplier Segment – Military Air

- Capability Standard for each sub-segment:

Sub-Segment Name	DLA depot groups (DDSP, DDJC, DLA CONUS)	DLA Planned DVD	GSA Planned DVD	CONUS / OCONUS Other	CCMD Depot Groups*
PPS + AC (MILAIR)	3+3 / 3+2 ^{FY20} ** except DLA CONUS to Ukraine = 12 ^{FY20}	4 + 4; Columbia = 4 + 11	10	Auto-Calc = 10	All streams (from AF, CE, NO, PA): 3+2 / 3+1 ^{FY20} ** From EU: 3+3 / 3+2 ^{FY20} **; EU to N.Italy: 3+4 ^{FY20}
PPS (MILALOC)	3: DDJC to JC 3+2/3+1 ^{FY20} **: DDJC to SP 3/2 ^{FY20} **: DDSP to SP or JC 3+2 / 3+1 ^{FY20} **: CONUS to either CCP	4 + 3	10	Auto-Calc: CONUS=7 OCONUS=6 + 8	PPS: 3+3/3+2 ^{FY20} ** (3 days PPS plus 3 days consolidation; no CCP for OCONUS depots)
Transportation to CCP (MILALOC)	0: DDJC to JC, DDSP to SP 7: CONUS to either CCP 11 : DDSP to JC, DDJC to SP	8 to DDSP CCP 7 to DDJC CCP	10	Auto-calc: CONUS = 10 OCONUS =0	
CCP Processing + AC (MILALOC)	5 + 3	5 + 3	5 + 3 (per DLA)	CONUS: 5 + 3 (per DLA) OCONUS: 0 (8 days added to PPS)	

* CCMD Depot Groups = AFRICOM, CENTCOM, etc.

^{FY20} Updated standard

** High volume streams (See standards list for details)

*** Auto-Calc used for multiple process owners



Supplier Segment – OCONUS Truck

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OCONUS Truck originates at CCMD depot sources and includes PPS and AC pick-up in the Supplier Segment. Supplier inputs were provided by DLA as most OCONUS sourced requisitions are fulfilled by DLA facilities.

For Truck PPS time, DLA provided an input of three days for PPS with the same assumption that at least 15% of the requisitions were priority 3. Some PPS times are impacted by a delay for consolidation or departure of the truck. This AC time was added to the PPS time as noted in the following slide. The AC time differed by customer location due to different truck route service schedules. The inputs were based on the frequency of truck departures with some locations getting deliveries only once per week and others getting two to three trucks, depending on shipment volume. **DLA updated some PPS times based on FY19** trucking schedules and **CY18** volume performance were used to update specific country PPS standards as noted on slide.

DLA Planned DVDs are not often sourced OCONUS however, historical data showed minimal volumes to Alaska so an automatic calculation was utilized and **PPS was updated with CY18 data** to four days plus **five** days AC. Locations where volume existed but no DLA depot was located were assumed to be service depot volume and set using historical **CY18** data. Several CCMD depot groups were updated based on **CY18** historical performance.

In FY19, additional streams were added to measure CONUS volume which is being trucked to Alaska. The Consolidated Truck method will identify volume which is consolidated at DDJC before trucking up to Alaska.



Supplier Segment – OCONUS Truck

- Capability Standard for each sub-segment:

Sub-Segment Name	DLA depot groups (DDSP, DDJC, DLA CONUS)	DLA Planned DVD	GSA Planned DVD	CONUS / OCONUS Other	CCMD Depot Groups*
PPS+AC for AFRICOM	N/A	N/A	N/A	N/A	AFRICOM=2 ^{FY20} (Djibouti Local); 3+7 (others)
PPS+AC+Customs for CENTCOM	N/A	N/A	N/A	N/A	CENTCOM: Afghanistan = 3***, Kuwait = 3+7+9 (Sched/Other truck); Kuwait(Local) = 7 ^{FY20} ; Bahrain/UAE (Local)=7 ^{FY20} ; Jordan, Oman, Saudi Arabia=3+21+14; UAE(Other/Sched)=3+14+14; Qatar, Iraq= 3+7+8; All others = 3+5
PPS+AC for EUCOM (each country has deliveries 1-3x/wk)	N/A	N/A	N/A	N/A	EUCOM: Kosovo= 4 ^{FY20} ; Bulgaria, Romania, Germany, N. Italy, U.K., Poland, S. Italy =6/ 5 ^{FY20**} ; All others = 8/ 7 ^{FY20**}
PPS+AC for INDOPACOM	N/A	N/A	N/A	N/A	Guam, Hawaii, S. Korea, Okinawa=5/ 4 ^{FY20**} ; Mainland Japan=6/5 ^{FY20**} ; All others= 4***
PPS+AC for NO (Alaska)	SP/JC: 3+3; DLA CONUS: 8	Auto-Calc *** = 4 + 5 ^{FY20}	10	Auto-Calc *** = 7	Auto-Calc *** = 3
For Alaska only: Plus consolidation at DDJC	Trans to JC: 11 (DDSP), 7 (CONUS); Consolidation: 8	Trans to JC: 7; Consolidation: 8	Trans to JC: 10; Consolidation: 8	Trans to JC: 10; Consolidation: 8	
PPS+AC for SO (Honduras)	N/A	N/A	10	N/A	N/A

* CCMD Depot Groups = AFRICOM, EUCOM, etc. ^{FY20} Updated standard

** High volume streams (See standards list for details)

*** Auto-Calc used when historical route is unknown or no DLA depot (DLA Planned DVD, CCMD Depot Groups, OCONUS Other)



Supplier Segment – IntraCONUS

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IntraCONUS modes include ground scheduled, ground local, ground small package, air small package, LTL, air parcel post, and 'other'. 'Other' includes **twenty other shipping methods (ship mode codes) with seven** primary modes – Ground Truckload, Air Freight, government watercraft (barge or lighter), Shipper Agent, **Other, Through GBL, and** Other Walk-Thru predominately with a multitude of other low volume modes.

All IntraCONUS modes have a supplier segment that consists of a PPS activity starting with an MRO and ending with a warehouse ship. For IntraCONUS, there are four customer regions which subdivide the 48 states into Northeast (NE), Southeast (SE), Central (CE), and West (WE) and in FY18 were further subdivided to include the 12 top-volume states. The DLA depot locations change by separating DLA Distribution Red River Texas (DDRT) volume from DLA CONUS to list individually like DDSP and DDJC. DDRT is the third DLA depot which is a primary source of fill for CONUS customers including scheduled truck routes to several locations. The following IntraCONUS slide provides their inputs. Auto-Calc indicates that no input was received and USTCJ4-LM created methodology to fill the gap. **CY18** performance was reviewed and updates are reflected in color font.



Supplier Segment – IntraCONUS (Continued)

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For IntraCONUS PPS time, DLA provided an input of three days for PPS with the same assumption that at least 15% of the requisitions were priority 3. The second number added to the PPS time in the following slide shows the different AC times. The AC time differed by supply group, customer location, and mode due to pick-up frequency based on mode differences. **Again, for some large volume DLA streams, the large portion of high priority shipments drove a reduction of one day in the PPS or AC time for FY20.** The four CONUS regions are abbreviated as CE, NE, SE, and WE and the DLA depots were designated with the abbreviations SP, JC, and RT. For example, the first set of inputs on the following slide show Ground Scheduled sourced from DLA Depots for customers in the Central and West regions, DDJC and DDRT have a **five or six** day PPS capability, and DDSP has a **seven** day PPS capability (**except eight days PPS for shipments to Washington state**). The longer AC times usually account for consolidation time for multiple shipments to the same customer (for the same truck route or carrier) while the shorter AC times show the worst case of a shipment ready for pickup on Friday but missing the last pickup by the carrier and waiting over the weekend for pickup. The AC inputs were based on mode to the next node utilized at the DLA facilities. DLA also inputted four days for PPS time for DLA Planned DVD vendors; the AC time took the same mode differences into account.

GSA submitted ten days for their vendor processing time until insertion into the DTS at carrier pick-up in accordance with GSA publication ON-16-02. For the 'Other' depot group, the historic performance for **CY17** was calculated using the SDDDB and resulted in **five** days for PPS and AC for Ground Scheduled. The historical performance times for the other IntraCONUS modes were 15 days for Air Parcel Post, **four** days for Ground Local, three days for Air Small Package, and **ten** days for Ground Small Package. **Ground LTL and Other mode were unchanged for FY20.** CONUS requisitions are not often sourced from the OCONUS depots so the CCMD depot groups do not have a capability standard designated or measured in the SDDDB.



Supplier Segment – IntraCONUS

- Capability Standard for each sub-segment:

Sub-Segment Name	DLA depots (DDSP, DDJC, DDRT)	DLA CONUS	DLA Planned DVD	GSA Planned DVD	CONUS / OCONUS Other	CCMD Depot Groups*
PPS + AC (Grnd Sched)	CE,WE: 3+3/3+2 ^{FY20**} (JC, RT), 3+4 ^{FY20} (SP), 3+5 (SP to WA) NE: 3+2 ^{FY20} (JC, SP), 3+5/3+4 ^{FY20**} (RT) SE: 3+5/3+4 ^{FY20**} (JC, RT, SP)	SE: 3+3/3+2 ^{FY20**} ; NE,CE,WE: 3+5/3+4 ^{FY20**} 3+7 ^{FY20**} (to Northeast)	4+11	4+6	Auto-Calc*** = 7 ^{FY20}	N/A
PPS + AC (Air Parcel Post)	3+1 ^{FY20} (all SP, some JC**) 3 + 2 (JC, RT)	3+2/ 3+1 ^{FY20**}	6	4+6	Auto-Calc*** = 15	N/A
PPS (Air & Grnd Sm Pkg, Grnd Local)	3/2 ^{FY20} (Air Sm Pkg**), 3/2 ^{FY20} (SP/JC Grnd Local**), 3 (Grnd Sm Pkg, RT Grnd Local)	3 /2 ^{FY20**} (Grnd Local); 3 (Air & Grnd Sm Pkg)	4	10	Auto-Calc***: Grnd Local = 7 ^{FY20} ; Air Sm Pkg = 5 ^{FY20} ; Grnd Sm Pkg = 10	N/A
PPS + AC (Grnd LTL, Other)	3 + 3/3+2 ^{FY20**}	3+3 (Grnd LTL) 3+3/3+2 ^{FY20**} (Other)	4+11	4+6	Auto-Calc***: Grnd LTL = 5; Other = 6 ^{FY20}	N/A

* CCMD Depot Groups = AFRICOM, EUCOM, etc.
FY20 Updated standard

** High volume streams (See standards list for details)

*** Auto-Calc used for multiple process owners



Supplier Segment – Ocean

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The Ocean mode contains the most sub-segment processes in the Supplier Segment. It starts with the MRO and ends with the carrier pick-up transaction at the CCP. One function with the CCP is direct booking with carriers for ocean movement. This can impact the time spent inside the DLA container yard, but mostly, it is a function of the vessel schedules. The Universal Services Contract (USC) manages the ocean carriers and booking processes. Their contract commences when the line haul carrier picks up the container at the DLA CCP container yard.

For Ocean, DLA depots were assigned three days with DLA Planned DVD vendors receiving four days. The number was derived from DLA standard operating business rules where priority 3 requisitions get three days for PPS time for depots and four days for DVD vendors. At least 15% of the requisitions transported by Ocean from DLA locations are priority 3. Depending on the primary method of transportation to the next node, some PPS or CCP times are impacted by a delay for consolidation or departure of the shipment. This AC time was added to the PPS or CCP time as noted in the following slide. **Again, for some large volume DLA streams, the large portion of high priority shipments drove a reduction of one day in the PPS or AC time for FY20.**



Supplier Segment – Ocean (Continued)

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For Ocean, DLA provided transportation times from the warehouse to CCP and CCP process time. A third location was added in FY18 for ocean container consolidation at the Norfolk Intermodal Hub (NIMH). The transit times to the CCP were based on the following criteria:

- 0 days - Collocated facilities (DDSP depot function to DDSP CCP function).
- 7 days – Transit times for DLA CONUS to any consolidation/CCP Location and for DDSP to Norfolk; also for DLA Planned DVD to DDSP or Norfolk for Southern Italy.
- 9 days - Scheduled truck transit times; DDJC to both DDSP CCP and Norfolk locations.
- 11 days - Scheduled truck transit times from DDSP to DDJC CCP location.
- 5 days – DLA Planned DVD vendors shipping to DDSP (and Norfolk).
- 8 days – DLA Planned DVD vendors to DDJC and Norfolk for USPACOM locations and for Alaska.

DLA also submitted three days PPS and ten days consolidation/AC for CCMD sourced shipments marked as Ocean to account for consolidation time in OCONUS depots. It will be counted in the overall Supplier segment as part of the PPS sub-segment since that is where it is measured. There are no OCONUS CCPs officially so this activity is measured in PPS which is the only OCONUS Supplier process.

GSA submitted ten days for CONUS sourced GSA Planned DVDs to account for their vendor supplier processes and for transit to CCP time. Ten days was given to PPS and ten days were given for transit to the CCP based on GSA publication ON-16-02. For the CONUS and OCONUS 'Other' Depot groups, a PPS time was calculated for all **CY17** SDDB data for Ocean shipments for both PPS and Transit to CCP sub-segments. After calculation of the historical segment level standard, the days were allocated across the sub-segments using other inputs as the guideline.



Supplier Segment – Ocean (Continued)

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The last Ocean supplier sub-segment is the only mode which separates the AC time. The capability for this sub-segment was based on the current ocean schedules with sailing departures that occur once or twice a week. Await carrier pickup standards were set at six days for all streams except Norfolk filled containers which were allowed eleven days starting in FY19. If the customer country had twice a week sailings, then the AC was set at three days. This input was provided by DLA even though it depends on the carrier picking up the container as necessary to meet the required delivery date. Only two countries remain with routine twice a week sailings, Hawaii and Guam; all others are measured against a weekly sailing expectation of six days AC (or eleven days AC for Norfolk filled containers).



Supplier Segment – Ocean

- Capability Standard for each sub-segment:

Sub-Segment Name	DLA depots (DDSP, DDJC)	DLA CONUS	DLA Planned DVD	GSA Planned DVD	CONUS / OCONUS Other	CCMD Depot Groups*
PPS	3/2 ^{FY20} ** : DDJC for INDOPACOM, NO(AK); DDSP for all CCMD. 3+2/3+1 ^{FY20} ** : DDJC to DDSP for AF, CE, EU, NO(PR, VI) 3+2/3+1 ^{FY20} : DDJC to Norfolk for all	3+2/3+1 ^{FY20} ** : to DDJC, DDSP or Norfolk; except 6 for Poland, 7 for Puerto Rico.	4+3: to INDOPACOM, NO(AK). 4+6: to DDSP, to DDJC for British Indian Ocean Territory.	10	Auto-Calc: CONUS = 7 OCONUS = 13	3 + 10 (CCP time)/3 + ⁹ FY20 **, select few 3+12 ^{FY20} **
Trans to CCP	DDJC to DDJC: 0 DDSP to DDSP: 0 DDSP to DDJC: 11 DDSP to Norfolk: 7 DDJC to DDSP/Norfolk: 9	CONUS to DDJC: 7, CONUS to DDSP/ Norfolk: 7	<u>To DDJC/Norfolk:</u> For NO(AK), PA: 8 <u>To DDSP/Norfolk:</u> for east coast CCMDs: 5, To S. Italy: 7	10	Auto-Calc: CONUS = 13 OCONUS Other = 0	0
CCP Processing	10	10	10	10	CONUS = 10; OCONUS = 0	0
Await Carrier Pickup	AF, CE, EU, NO (all): 6 PA(Gu ,HI): 3; PA(Others): 6 For Norfolk: AF,CE,EU, SO(all): 11	Same as DLA Depot Groups	Same as DLA Depot Groups	Same as DLA Depot Groups	CONUS: Same as DLA Depots; OCONUS = 7	7; PACOM to Korea: 6

* CCMD Depot Groups = AFRICOM, EUCOM, etc.
^{FY20} Updated standard

** High volume streams (See standards list for details)

*** Auto-Calc used for multiple process owners



Transporter Segment

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The Transporter Segment starts with the last supply activity designated by warehouse ship, CCP ship, or carrier pick-up dates and ends with the hand-off between strategic transportation to theater distribution activities. Based on mode, the transporter and theater hand-off point can be carrier drop-off or POD ship. The end points by mode are provided in *the Backup slides at the end of the slide deck*. The key players in determining standards for Transporter Segment included SDDC, AMC, 618 AOC, USTC AQ, DLA Transportation (DLA T), and Defense Transportation Coordinator (DTC) program office. The term 'Auto-Calc' in the entry designates the entry was based on historical processing times with USTCJ4-LM created methodology to fill the gaps from process owners. The Transporter Segment methodology will include more detailed business rules as the USTCJ4-LM team was more intricately involved.



Transporter Segment – Commercial Air Methods

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For Commercial Air movements to OCONUS customers, there are two contracts managing carrier performance to OCONUS. For shipments less than 300 pounds (lbs) considered Comm Express (OCONUS customers), the Next Generation Delivery Services (NGDS) under USTRANSCOM TCJ4-LC, designated the transit times based on contract line item numbers (CLINs). For commercial air lines of communication (COMALOC) pallets, the CAT A contract **currently** determines the transit times; **in the future, the Global Heavyweight Services (GHS) contract will determine the carrier time.**

Each contract provides door to door service with the door being either the depot for NGDS shipments or CCP for **COMALOC** at the origin to the customer location within the CCMDs. The Transporter Segment contains only one sub-segment, Carrier Possession Time (Pickup to Delivery) for **COMALOC**; Comm Express also has a one day standard for Awaiting Strat Carrier Pickup since the contract time does not count the day of pickup. The inputs for the carrier possession time differ by stream and transportation method for commercial air transportation methods.

The commercial air modes for IntraCONUS shipments (Air Small Package and Air Parcel Post) are addressed in the IntraCONUS Air Modes slide following the Commercial Air Methods overview.



Transporter Segment – Commercial Air Methods

- **Transporter is comprised of one sub-segment, including the following methods:**
 - OCONUS: **COMALOC**
 - CONUS: Air Small Package, Air Parcel Post
- Comm Express has two sub-segments: Awaiting Strat Carrier Pickup and Carrier Transit.
- The Next Generation Delivery Services (NGDS) contract provides the Commercial Express and Air Small Package. Commercial Services also manages the **COMALOC** contract and the Air Parcel Post contract with support from commercial carriers as well as the United States Postal Service (USPS).

Sub-Segment Name	Process Owner	Timestamp begin and end	General Description of activity
Carrier Transit Time	TCJ4-LC & TCAQ	Carrier Pickup to Carrier Drop-off	Includes time while shipment is in the carrier's possession including customs processing before drop-off to customer (OCONUS)



Transporter Segment – IntraCONUS Air Modes

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For requisitions moving from a CONUS depot or vendor location to a CONUS customer location, there are seven transportations methods. Although the different modes move from different origins to different destinations under different contracts and standards, the Transporter Segment begins at the warehouse ship and ends with delivery of the cargo for all IntraCONUS movements. Some modes have more visibility than others requiring assumptions and methodology changes by mode.

Air Modes:

In CONUS, there are two types of air modes – Air Parcel Post and Air Small Package. For Air Small Package, analysts used November 2016 NGDS report from the program’s website. Of all of the CONUS Contract CLINs, 92% of the volume moved within a CLIN with a two day standard and performed at or above 95% meeting standard. Therefore, it was recommended to use a four day standard for Carrier Possession Time accounting for two days transit and two days for weekends. It is also important to note that some installations do not accept shipments on the weekend. The methodology was agreed upon by the contract owner, NGDS Program Management Office (TCJ4-LC). **CY18** historical performance analysis confirmed methodology with no changes for **FY20** standards.

Air Parcel Post service is provided under the NGDS contract by both commercial carriers and the United States Postal Service (USPS) and was initially aligned to USPS Retail Ground (formally Standard Post). According to the USPS website, Retail Ground can be delivered in two to eight business days. The standard was reduced to six days in FY19 for the capability standard and verified with **CY18** performance which confirmed the commercial carriers now carry a significant portion and deliver faster.



IntraCONUS Air Modes Transporter Methodology

CONUS – Air Small Package

- Used Nov 2016 NGDS Report (provided by NGDS PMO) to set initial standard.
 - Majority of 2016 Volume (92%) moved w/in 2 days for each CLIN.
 - Suggested 4 day Standard (included +2 days for weekends).
- Verified current performance is aligned to 4 day standard; **No change needed for FY20.**

CONUS – Air Parcel Post

- Initial method used US Postal Service website.
 - USPS Retail Ground (formally Standard Post), Shipping in 2-8 business days, set at 8 days.
- Currently provided under NGDS contract, using commercial carriers.
 - Updated standard to 6 days except to US Washington at 7 days; based on historical CY17 performance and capability of commercial carriers. **No change required for FY20.**



OCONUS Commercial Air Transporter Segment

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Commercial Air for OCONUS customer locations includes both Comm Express and COMALOC transportation methods. The NGDS contract controls the carriers for Comm Express; COMALOC is currently determined by CAT A with transition to GHS in the future as CAT A is phased out.

For Comm Express, analysts used historical CY17 SDDDB data to determine commercial carrier volume for each Stream for international shipments to OCONUS customers. The flow was broken down by POE region and POD region pairs and then the Performance Work Statement (PWS) provides transit time days. For example, DDSP to Honduras used USA to Region B pair. Using the pair, the contractual transit time in days was found for different flow volumes categorized as document, light and heavy. The intent is to provide capability standards based on the allowable transit time. In the DDSP to Honduras example, Polar Air, which transported the majority of the volume by requisition count was given six days carrier possession time per the contract. An additional two days was added for weekends, and one day for the Awaiting Carrier Pickup sub-segment. The methodology was agreed upon by the NGDS contract Program Management Office (TCJ4-LC/Commercial Services). No change needed for FY20 since the contract delivery times have not changed.

CAT A is also managed by Commercial Services and after verification of current contract terms, the USTCJ4-LM team used the contractual standard transit time applicable to each stream. In addition, two days was added to the carrier time for deliveries which spanned a weekend. The current contract does not require or expect weekend deliveries.



NGDS Transporter Methodology

International (OCONUS) – Comm Express (NGDS)

- Used CY17 SDDDB Data (from submitted Carrier Reports) **to determine primary carrier**
 - Determined Carrier Volume Percentages by Stream in column “U”
 - Determined Lead Carrier (above FedEx 93%) column “U”
- Used current **FY19** NGDS Transit Time Data (provided by NGDS PMO)
 - Determined correct Transit Time (column “T”) by Carrier & origin-destination pairs
- Added 1 day Awaiting Carrier plus 2 additional days for weekends

<u>NGDS</u>							T	U	
Stream	Supply Location	Transportation Method	Customer Location	# of Reqs measured (LRT) Provided Input	# of Reqs measured (Transporter) Provided Count	Transporter Segment Standard Automated	Await Carrier Pickup Standard	Carrier Transit Time Standard A	Carrier Transit Time Assumption A
DDJC:Comm Express:Hawaii	DDJC	Comm Express	Hawaii	2919	2787	5	1	2+2	FDE 93% of population



CAT A Transporter Methodology

International (OCONUS) – CAT A

- Used CAT A contracted transit times where applicable
- Used historical performance data for **CY18; no change needed for FY20.**
 - Two primary carriers utilized over 95% of time for worldwide customers with consistent performance of 7 days
 - Added 2 days to Carrier Time in FY19 for deliveries spanning the weekend

<u>CAT A</u>				# of Reqs measured (LRT)	# of Reqs measured (Transporter)	Transporter Segment Standard	Carrier Time Assumption
Stream	Supply Location	Transportation Method	Customer Location	Provided Input	Provided Count		
DDSP:CAT A:US Alaska	DDSP	CAT A	US Alaska	4808	2670	9	DDSP to Alaska at 7 days Carrier possession time, plus 2 days (for weekend)



Military Air Transporter Segment – MILAIR & MILALOC

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In Military Air transportation mode, there are two methods that differ by consolidation location. MILAIR refers to Military Air shipments sent individually to the APOE where the cargo is palletized and processed for onward movement. For MILAIR, the Transporter Segment begins at the warehouse ship and ends with the APOD ship. MILALOC refers to Military Air shipments palletized at a DLA Consolidation and Containerization Point (CCP) location and sent to the APOE via rollerbed trucks. MILALOC Transporter Segment begins at the CCP ship and also ends with the APOD ship. The next few slides will show the sub-segments included in the Transporter segment.

Transportation to the APOE for MILAIR utilized Defense Transportation Regulation (DTR) 4500.9R, chapter 202 page 33 - Table 202-3. DoD Standard Transit Time Guide - Single & Dual Driver Shipments. The mileage was calculated either from the strategic distribution platforms (DDSP and DDJC) or the farthest location for both DLA CONUS and DLA Planned DVDs since cross-country depots or vendor locations can fulfill an Material Release Order (MRO). After calculating the transit time, two days were added for the weekend. For GSA Planned DVDs, the transportation to the APOE was set at six days initially based on their planned DVD contract; **CY18 data indicated a change to five days in FY20 for this standard.** For OCONUS depot locations, historical **CY18** SDDDB data was used to **verify** the transportation time for each CCMD. Using the above methodology, transportation to the APOE ranged from zero days for USEUCOM depots to nine days for a CONUS cross-country sourced requisition.



Military Air Transporter Segment – (Continued)

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Transportation to APOE for MILALOC is a method that mostly originates from CONUS locations and will be shipped from the CCP on the same coast to the strategic APOE. For this process in CONUS, the rollerbeds pick up full pallets on a daily basis and the pallets are in-checked with GATES. The input for this segment is one day since the process is congruent across all CONUS originating streams. OCONUS sourcing also used one day since depots are located close to military aerial ports.

APOE Processing includes processing MILALOC pallets for forward movement, and processing MILAIR shipments in GATES and then building pallets. After the pallets are capped, scheduled for airlift and manifested, the APOE ship is applied when aircraft departs. In this sub-segment there are many factors that drive performance at the aerial port. Below is a list of the characteristics impacting performance:

- Aerial Port – Each location may have different number of personnel, operating hours, or level of automation
- Cargo – characteristics such as size, security, storage rqmt, clearance procedures, or special handling rqmts can affect velocity
- Airlift Transportation Assets – aircraft schedule/route will impact the time a pallet is held at the port
- Utilization – Direct correlation between pallet utilization and air terminal flow time
- APOE Arrival – Cargo arriving after flight departure will have the longest wait

Due to these characteristics impacting performance, a streamlined process with consistent times is not plausible. Therefore, a special GATES data pull was used to calculate an input goal. The timeframe of the data was **CY18**. The data was broken down into MILAIR and MILALOC and then the 85%-tile days was computed to capture capability for all sub-segments. This method removes the outliers.



Military Air Transporter Segment – (Continued)

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The next sub-segment, Transit to the APOD was also calculated using the same specialized GATES pull. For each stream the dominate APOE and APOD pair was used to calculate the air transit time for both MILAIR and MILALOC as it moves congruently after it is loaded onto the aircraft. The 85%-tile days was used as a proxy for capability for this sub-segment.

The last sub-segment in the Transporter Segment for Military Air is POD processing. This sub-segment also used the special GATES pull for **CY18** and calculated the capability based on the 85%-tile since, like APOE, has many factors that can impact the process and interfere with the ability to set a standardized port processing time. Below is a list of these APOD processing impacts.

- Aerial Port – Each location may have different number of personnel, operating hours, or level of automation
- Theater Coordination – Time needed to coordinate onward movement due to asset availability
- Customs – Cargo and location impact customer clearance processing
- Theater Distribution Plan – Some pallets require deconsolidation/consolidation at the aerial port while other are sent to the customer via Service supply support activity (SSA) or Theater Consolidation and Shipping Point (TCSP)

The additional difference in the APOD can create different processing times and therefore required an historical perspective to set the capability standards. The methodology used was reviewed and approved by AMC Air Transportation Division and 618 AOC/TACC Channel Division.



Transporter Segment – Military Air Methods

- Transporter is comprised of 4 sub-segments:

Sub-Segment Name	Process Owner	Timestamp begin and end	General Description of activity
Transportation to APOE	SDDC (contract owner); DLA utilizes methods defined by contract	Departure from supplier facility (Warehouse Ship or CCP Ship) to APOE receipt	Transportation is contracted by others (SDDC) but scheduled by depot or vendor. MILALOC moves by rollerbed, usually same day as pickup. MILAIR uses other small parcel options such as LTL
APOE Processing	AMC	APOE receipt to POE ship (Lift by aircraft)	Includes processing of shipment, consolidation of loose cargo, and wait on lift for mission departure
Transit to APOD	AMC	Air movement to final AMC controlled port; re-fueling stops not visible unless mission number changes	Includes in-transit stops. Final air movement by CCMD assets is measured in Theater segment
APOD Processing	AMC	APOD receipt to APOD ship (Pickup by customer or departure of delivery truck)	Includes deconsolidation of pallets for multiple customers



Transporter Segment – Military Air Methods

MILALOC & MILAIR

- Military Air performance has many variables impacting performance.
- Utilized IDE/GTN (Integrated Development Environment/Global Transportation Network) Convergence (IGC) GATES data pull (CY18):
 - Identified Channel APOE – APOD Pair Volume (# of TCN’s moved)
 - Used 85%tile days (rounded up) to fill Transporter sub-segments
 - Example: McGuire AFB (WRI) with largest volume to Ramstein AB, Germany
 - Capability Standard would be 7 days for APOE Processing Time

APOE	APOD	CALC	PCTILE_85	AVG_VAL	CNT	STONS
WRI	RMS	APOE_PHT	6.65	4.1	28078	6862.5

Variables Impacting Performance		
Airlift Transportation Asset Aircraft schedule and route	Volume Fluctuations of cargo volumes	Customs Customs clearance processing
Cargo size, security, storage requirement, clearance procedures, or special handling requirements	APOE Arrival Cargo arriving after flight departure will have the longest wait	Port Number of personnel, operating hours, or level of automation
Utilization Correlation between pallet utilization and air terminal flow time	Theater Coordination Coordination time for forward Theater movement	Theater distribution Plan interim stops for Deconsolidation / consolidation activities vs direct routes



Ocean Transporter Segment

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Cargo moved by Ocean is managed by the current Universal Services Contract (USC) and includes contractual timelines or Required Delivery Dates (RDDs). The Transporter Segment involves five sub-segments as outlined in the next few slides. The TCJ4-LM team worked closely with SDDC Central Booking Office (SDDC G3) to coordinate the entries for the global ocean standards. This section provides an overview of the ocean transporter sub-segments and an overview of the methodology used to populate the capability standards.

The first sub-segment called origin linehaul is the time between the carrier pick-up at the customer location to in-gate transaction at the seaport. According to the contract, carriers' requirements are calculated using mileage from pick-up location to port. The contract states the carrier should travel 300 miles per day rounded up. For example, the pick-up location to port distance is 450 miles. Therefore the calculation would be $450 / 300 = 1.5$; rounded up to the next whole day would equal two days. The SDDC representative calculated the mileage from the CCP location to the seaport mostly used based on customer location and current vessel schedules.

The next sub-segment is SPOE processing and contains the time of the in-gate of the container at the SPOE to the vessel departure. This is driven by the port cutoff times and is dependent on carrier and container type. The SDDC G3 expert based on operational knowledge, listed multiple port cutoff times and agreed with multiple carriers, the best Capability Standard would be at least three days. All seaports outside of CONUS were assigned three days. **In FY20, containers filled in CONUS will be assigned 7 days for SPOE processing except NIMH containers will get 10 days.**



Ocean Transporter Segment – (Continued)

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The Ocean Transit time is the next sub-segment within Ocean Transporter. The inputs by stream varied on the current vessel schedules available in Integrated Booking System (IBS) Sustainment Module. Using knowledge of the system of which seaport is predominantly used for area to area, the SDDC G3 analyst queried the current vessel schedule provided by the carriers and input usual sailing times. There were some locations where more information was needed. For Afghanistan shipments, USC-7 Attachment 10 provided carrier guidelines for specific Northern Distribution Network (NDN) routes and calculated allowable time. Another special case was Diego Garcia. USC is used to manage the transportation to Singapore where Military Sealift Command (MSC) manages the final leg of transportation (one sailing monthly).

After the vessel arrives at the SPOD location, the SPOD processing commences and ends with the SPOD out-gate. Customs clearance happens during this sub-segment. A standard set number of days were provided for this process by location. These numbers are provided below:

- Africa – 30 Days^{FY20} (was 20 days)
- CENTCOM – 30 days^{FY20}
 - Bahrain, Kuwait, Jordan – were 15 Days (Change due to Customs Delays + Carrier DRAP)
 - Iraq, Afghanistan via Pakistan – reduced from 45 Days
 - Oman, Qatar, UAE, Saudi Arabia – was 30 Days (no change)
- CONUS, Alaska, Hawaii – 5 days^{FY20} (was 3 Days)
- Rest of World (ROW) not covered – 7 days^{FY20} (was 5 Days)



Ocean Transporter Segment – (Continued)

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The last sub-segment for ocean Transporter Segment is destination linehaul starting at SPOD out-gate and ending with delivery designated by an X1 transaction with Electronic Data Interchange (EDI) 315A. This sub-segment follows the same methodology as origin linehaul. Mileage is divided by 300 and rounded up to the next whole day. These calculations were inputted into the master spreadsheet for the capability standards.

Four lanes consisted of lower volume, multiple routes and carriers, or illogical combinations. Based on the SDDC G3 expert's process knowledge, the entire transporter was calculated at the 85%-tile days using CY17 SDDDB data. It was aggregated at a CCMD to CCMD level. The capability inputs and methodology were coordinated and approved by SDDC G3 and is overall based on the current USC contract.

- SPOD Processing – Derived from seaport cut times and Cargo Clearance times.
 - Seaport Cut: CONUS – 2 days; OCONUS 3 days
 - Cargo Clearance times location dependent
- Destination Linehaul – Derived from days calculations as the number of miles divided by 300 and rounded up (same as example calculation for origin linehaul).



Transporter Segment – Ocean

- Transporter is comprised of 4-5 sub-segments:

Sub-Segment Name	Process Owner	Timestamp begin and end	General Description of activity
Origin Linehaul	SDDC (contract owner); performed by USC Carrier or customer, depending on booking method	Carrier Pickup (Departure from consolidation facility) to SPOE receipt	Transportation is contracted by others (SDDC) but booked by shipper. Most containers shipped Door to Door. If not, this segment is performed by customer
SPOE Processing	SDDC (USC Carrier or port contractor)	SPOE receipt to SPOE ship (Sailing of ship)	Includes staging at port and loading on ship
Over Ocean Transit	SDDC (USC Carrier or sub-contractor)	SPOE ship to (final) SPOD receipt	May include trans-loading to smaller vessels for final delivery, depending on port limitations
SPOD Processing	SDDC (USC Carrier or port contractor)	SPOD receipt to SPOD ship	Includes deconsolidation of container for booked to Port
Destination Linehaul	SDDC (USC Carrier or customer)	SPOD ship to Carrier Drop-off	End of segment depends on booking to Port or Door



Ocean Methodology All Origins (CONUS and OCONUS)

All Inputs based on Universal Services Contract (USC)

- Origin Linehaul - Derived from days calculation as the number of miles divided by 300 and rounded up: Point to Port = 450 Miles; 2 days (450/300 – 1.5 rounded)
- SPOE Processing – Surface Deployment and Distribution Command (SDDC) provided inputs for Cut-off times across all carriers
 - 3 days for all OCONUS filled containers; **10 days for all NIHM containers; 7 days for all others.**
- Ocean Transit Time – Derived from Integrated Booking System (IBS) Sustainment Module.
 - Used common Seaport pairs /carrier and Vessel Schedule to calculate sailing times
 - Special rules used for Afghanistan for Northern Distribution Network (NDN) and Pakistan Ground lines of Communication (PAKGLOC)
- SPOD Processing – Surface Deployment and Distribution Command (SDDC) provided inputs for Cut-off times across all carriers
 - **AFRICOM/CENTCOM consignees: 30 days; Alaska/Hawaii: 5 days; Rest of World: 7 days**
- Destination Linehaul - Derived from days calculation as the number of miles divided by 300 and rounded up: Port to Point = 450 Miles; 2 days (450/300 – 1.5 rounded)



Transporter Segment – Other Surface Methods

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In CONUS, there are four ground modes – Ground Local, Ground LTL, Ground Scheduled and Ground Small Package. Ground Local refers to shipments sourced from a depot where the customer is within 25 miles and ship mode code of nine (9) is used. These movements are performed by a mixture of DLA and Service assets dependent upon the depot location. DLA Distribution recommended two days for delivery to account for the volume of material that could be delivered across a standard weekend. TCJ4-LM concurred and it was inputted into the master spreadsheet.

The final mode refers to all other modes not listed separately within IntraCONUS is 'Other'. This consolidated mode contains multiple other modes with approximately 85% of the requisitions moved by seven primary modes – Truckload, Air Freight, government watercraft (barge or lighter), Shipper Agent, Other, **Through GBL**, and Other Walk-Thru. Analysis was done on performing a weighted average of performance based on mode, but the mode mix changes month to month. Therefore, for 'Other' Transporter Segment, CY17 SDDDB data was used to calculate the time between warehouse ship and delivery. Performance **remains at seven days after verification with CY18 data** and was used across the board for all streams with 'Other' as a mode.



Transporter Segment – Other Surface Methods

- Transporter is comprised of one sub-segment, including the following methods:
 - CONUS: Ground Local, Ground LTL, Ground Scheduled, Ground Small Package
 - CONUS Other also has only one sub-segment but may include other water or air methods
- Contracts are managed by USTRANSCOM AQ and SDDC but delivery due date is determined by shipper based on Defense Transportation Regulation (DTR), trucking schedules, contracts, etc.
- OCONUS Truck is the **ONLY** method which has no Transporter segment since transportation is provided by and conducted within the Combatant Command / Theater segment:
 - Includes four methods: Scheduled Truck, Local Truck, Other Truck, Consolidated Truck.

Sub-Segment Name	Process Owner	Timestamp begin and end	General Description of activity
Carrier Possession Time	SDDC, TCAQ	Carrier Pickup to Carrier Drop-off	Includes time while shipment is in the carrier's possession



Methodology for Other Surface Methods

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Ground Small Package is the last of the surface modes within CONUS which is managed under an SDDC Surface Small Package (SSP) contract. The methodology used was similar to LTL with regard to the mileage calculation with Table 203 in the DTR. Based on the different contract, the day of pick-up is not included in the contractual transportation time and therefore a day was added to the calculations. The SDDC SSP contract representative concurred with our methodology.

The Ground LTL contracts are managed by the DTC Program office. The program office works closely with DLA T who manages the day to day activity including the truck routes. Ground LTL utilizes the DTR 4500.9R, Table 202-3 DoD Standard Transit Time Guide - Single & Dual Driver Shipments, to set the capability standards for the Transporter Segment. Based on the stream, the largest distance was used to calculate the number of days. After the days were determined, any lane with more than three days transportation time was given an additional two days for weekends. This methodology was agreed upon by DLA T.

Ground Scheduled inputs were derived from the current scheduled truck schedule. The depot locations were assigned to their respective depot groups and the customers to their State or US region. After aggregating these, the max transportation time was used and agreed upon by DLA T.



Methodology for Other Surface Methods

Ground Small Package and Ground LTL

- Utilized DTR 4500.9R, Chapter 202, p33 – Table 202.3. DoD Standard Transit Time Guide – Single & Dual Driver Shipments. ***Single Driver LTL Transit Times Used***
- Using the table, assigned the days by stream calculated by distance for carrier possession time. Distances for new state streams was recalculated for FY19 resulting in region standards adjusted to shorter or longer times for each state based on distance. **No change for FY20.**
- If carrier possession time exceeded 3 days, a weekend (2 days) was added.
- In addition, 1 day was added for carrier Pick-up time. (FY19: included LTL, adding day of pickup)

TOTAL TRANSIT DAYS – EXCLUDING SRC I AND II SHIPMENTS					
MILES	DISTANCE	SINGLE DRIVER		DUAL DRIVER	
		TL	LTL	TL	LTL/DROM
	< = 500	1	3	1	5
	501 – 1000	2	4	2	5
	1001 – 1500	3	5	3	6
	1501 – 2000	4	6	4	7
	2001 – 2500	5	7	5	8
	> 2500	6	7	5	9

Ground Local

Used 2 day standard for transporter accounting for the volume of material that could be delivered across a standard weekend.



Methodology for Other Surface Methods

Ground Scheduled

- Also referred to as Dedicated Truck (DTK) or Scheduled Truck.
- Capability standard set for each depot-region pair, based on DLA schedule adjusted to CY17 historical performance.

Ground Scheduled	Days Carrier Time				
Depot Group	2	3	4	5	6
DDSP		NC, Northeast, VA	CA, GA, KS, KY, OK, SC, WA	Central, FL, TX	Southeast, UT, West
DDJC	UT	CA, Central	Northeast, OK, WA, West	TX	FL, GA, NC, Southeast, VA
DDRT	Central, KY	KS, OK, VA	FL, NC, SC, TX, WA, West	GA	CA, Northeast, Southeast
DLA CONUS		NC, OK	CA, Central, KS, Southeast, UT, West		FL, GA, KY, Northeast, SC, TX, VA, WA
DLA Planned DVD			All except those listed elsewhere		Southeast (10 days to CA, WA)
GSA Planned DVD	All GSA streams: 4 days				
CONUS Other	Northeast, SC, WA		CA, Central, FL, GA, KS, KY, NC, OK, West		Southeast, TX, UT, VA

Other

- Other Transporter Performance across all lanes – 7 days. No change for **FY20 using CY18 data**.



Theater Segment

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The Theater Segment starts with the hand-off between strategic transportation to theater distribution activities and ends with the requisition receipt transaction. Based on mode, the transporter to theater hand-off point can be carrier drop-off or POD ship. The start points by mode are provided in *Appendix B - LRT Measurement Timestamps*. In general, if strategic movement is performance by a commercial carrier, the theater begins at carrier drop-off. Otherwise, it is POD ship for Military Air and warehouse ship for OCONUS truck.

The Theater Segment standards were coordinated with the CCMD POCs and are based on current Theater Distribution Plans (TDPs), other distribution guidance, scheduled truck agreements, and historical information. The number of sub-segments are based on mode and whether the CCMD has a TCSP. The designation of a TCSP lane was based on mode (MILAIR/MILALOC/Ocean) and location by country. For example, Northern Italy cargo transported by Military Air or Ocean requisitions will be given TCSP capability standards. The Services agreed upon a five day standard for Receipt Take up Time based on DoDM 4140.01 Volume 5 Enclosure 3. The next slide provides a brief description of the Theater sub-segments.



Theater Segment

- Theater is comprised of 1-4 sub-segments, depending on mode:

Sub-Segment Name	Process Owner	Timestamp begin and end	General Description of activity
Transportation to Theater Consolidation and Shipping Point (TCSP) or Customer Location	CCMD J4, DLA	Carrier Drop-off or APOD-ship to receipt at the TCSP or base receiving	Time accrued between departure from military aerial port or carrier drop-off and in-check at TCSP or Customer Base
TCSP Processing	DLA	TCSP receipt to TCSP ship	Deconsolidation and TCSP processing of air pallets or ocean containers, including awaiting lift (truck depart)
Theater Delivery from TCSP to Customer Location	CCMD J4, DLA	TCSP ship to Customer Available date, or from base receiving to supply activity	Truck delivery to Base receiving
Customer Receipt Time - Only sub-segment for CONUS (All methods except Grnd Sched) & OCONUS (Commercial Air)	Services	Customer Available date to Receipt processed (D6S, DRA/DRB transaction)	Supply activity for receipt of requisition



Theater Segment

- Theater time is *independent* of depot/source.
- DLA, in coordination with each CCMD, set unique standards for TCSP related activities, based on theater distribution plans.
- Some locations receive shipments direct (do not go through the TCSP) or do not have a TCSP.
- All Services follow the same guidance for Receipt Take up Time, set at 5 days for all.
- As part of data standardization, unit names and address information for each DoDAAC are pulled directly from DAAS, instead of using the data passed from LMARS / DORRA for each requisition.
- New streams for additional countries were added during FY18 when volume appeared. See the following slide for a list of previous and current country names.



Theater Segment – IntraCONUS & OCONUS Commercial Air

- **Capability Standard for each sub-segment:**

Segment	Sub-Segment Name	CONUS (All Modes except Grnd Scheduled)	CONUS (Only Grnd Scheduled)	OCONUS (Comm Express – All CCMDs)	OCONUS (COMALOC– All CCMDs)
Theater	Transit to Consignee (actual de-consolidation at base-level receiving)		3		
	Customer Receipt Time	5	5	5	5



Theater Segment – (USAFRICOM)

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USAFRICOM includes streams to Djibouti, Ethiopia, Niger, Seychelles, Tunisia, Cameroon, and Uganda/Malawi. The distribution process was upgraded in FY17 as DLA Distribution Djibouti Africa (DDDA) located at Camp Lemonnier, commenced initial operational capability (IOC) functions on 1 October 2016 and became fully operational on 1 January, 2017. DLA and TCJ4-LM conducted analysis of operations and set initial standards during the initial three month trial period at the Distribution Center.

USAFRICOM's distribution Theater process currently does not utilize TCSP functions at DDDA. Once distribution operations in Kenya and Somalia have matured, DDDA will begin the process to incorporate the TCSP function within USAFRICOM's Theater distribution segment. The next slide contains the summary capability standards per Theater sub-segments and location.



Theater Segment – OCONUS (USAFRICOM)

- Capability Standard for each sub-segment (except Commercial Air):

Sub-Segment Name	MILAIR / MILALOC Djibouti	MILAIR Ethiopia, Uganda	MILAIR Cameroon, Niger, Saint Helena, Seychelles, Tunisia	Ocean Djibouti	Ocean Ethiopia, Niger, Uganda	OCONUS Truck Djibouti	OCONUS Truck Ethiopia, Uganda
Transportation to TCSP or Customer Location	3 – MILAIR 3 - MILALOC	5	3	5	7	1	3
TCSP Processing	TBD	N/A	N/A	TBD	N/A	N/A	N/A
Theater Delivery from TCSP to Customer Location	TBD	N/A	N/A	TBD	N/A	N/A	N/A
Customer Receipt Time	5	5	5	5	5	5	5



Theater Segment – (USCENTCOM)

USCENTCOM includes streams to Kuwait, Afghanistan, Iraq, Bahrain, Jordan, Oman, Qatar, United Arab Emirates (UAE), and Saudi Arabia. USCENTCOM does not have a TCSP. The primary deconsolidation activity happens at the Central Receiving and Shipping Point (CRSP) at Camp Arifjan, Kuwait. The CRSP is an Army run facility that processes Military Air and Ocean cargo for customers in Kuwait, Iraq, and Jordan. CRSP processing activity time has been included in the Ship to Customer Capability sub-segment of the Theater since it currently cannot be measured as a sub-segment. All other countries receive direct shipments. The only DLA Depot in theater is in Bahrain (DDNB) and they ship via all modes to all countries globally.

The USTCJ4-LM analysts coordinated with USCENTCOM J4 to establish capability standards for USCENTCOM stream theater processes. The 1st Theater Support Command (TSC) was consulted for specifics on deconsolidation activities, customs delays, and frequency of onward movement. The Trans-Arabian Network GLOC Handbook (TAN Book) is the guideline for surface and air movement times from the Strategic POD to the customer location within the USCENTCOM AOR. The next slide contains the summary capability standards per Theater sub-segments and location. (Capability standards are not defined for Kyrgyzstan since customers are not planned for this country.)



Theater Segment – OCONUS (USCENTCOM)

- Capability Standard for each sub-segment (except Commercial Air):

	Sub-Segment Name	Afghanistan, Oman, Qatar, Saudi Arabia	Bahrain	Kuwait	Jordan	Iraq	UAE
MILAIR/ MILALOC	Transportation to TCSP or Customer Location	2 (Saudi Arabia=14)	3	14	2	24	2
Ocean		2 (Saudi Arabia=20)	1	14	25	24	7
Truck methods		5 (Afghanistan) 4 (Oman) 3 (Qatar, Saudi Arabia)	1	7	4	3	3
All Modes	TCSP Processing	N/A	N/A	N/A	N/A	N/A	N/A
All Modes	Theater Delivery from TCSP to Customer Location	N/A	N/A	N/A	N/A	N/A	N/A
All Modes	Customer Receipt Time	5	5	5	5	5	5



Theater Segment – (USEUCOM)

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USEUCOM includes streams to Germany, Italy (North and South), Kosovo, Spain, Turkey, United Kingdom, and various smaller volume locations. The TCSP is co-located with the Defense Distribution Depot Europe (DDDE). It supports USEUCOM regions with deconsolidation and consolidation of requisitions arriving by Military Air and Ocean. DDDE also issues items from inventory via all modes. The trucks are used to transport both issues and throughput cargo and are based on scheduled truck routes managed by DLA. The TDP and the DLA's truck schedule were used as the basis to create the capability standards for the individual stream Theater segments. The next slide contains the summary capability standards per Theater sub-segments and location.



Theater Segment – OCONUS (USEUCOM)

- Capability Standard for each sub-segment (except Commercial Air):

	Sub-Segment Name	Germany	N. Italy, U.K.	Kosovo, Bosnia/ Hertzegovina	Greece, S. Italy, Spain	Georgia, Turkey	Belgium, Bulgaria, Estonia, Hungary, Israel, Latvia, Lithuania, Luxembourg, Netherlands, Poland, Romania, Ukraine	Cyprus, Greenland, Iceland, Portugal
MILAIR/ MILALOC	Transportation to TCSP or Customer Location	1	1	1	1	1	1	1
Ocean		1	1	1	1	1	1	1
Truck methods		3	4	5	6	8	6 (N/A Israel)	1
MILAIR/ALOC	TCSP Processing	3	3	3	3	3	3	N/A
Ocean		5	5	5	7	7	7	N/A
MILAIR/ALOC & Ocean	Theater Delivery from TCSP to Customer Location	3	4	5	6	8	6	N/A
All Modes	Customer Receipt Time	5	5	5	5	5	5	5



Theater Segment – (USNORTHCOM)

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USNORTHCOM includes OCONUS streams to Alaska, Puerto Rico, Virgin Islands, and employs the same strategic modes as other CCMDs. USNORTHCOM does not have a TCSP supporting customers. All USNORTHCOM sourced requisitions are sourced from Service depot locations. The next slide contains the summary capability standards per Theater sub-segments and location.



Theater Segment – OCONUS (NORTHCOM)

- Capability Standard for each sub-segment (except Commercial Air):

Sub-Segment Name	MILAIR Alaska	MILAIR Puerto Rico	MILALOC Alaska	MILALOC Puerto Rico	Ocean Alaska, US V.I.	Ocean Puerto Rico	Truck Alaska
Transportation to TCSP or Customer Location	1	1	1	3	1	3	OCONUS sources=6; CONUS sources = 9
TCSP Processing	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Theater Delivery from TCSP to Customer Location	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Customer Receipt Time	5	5	5	5	5	5	5



Theater Segment – (USINDOPACOM)

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USINDOPACOM includes streams to Australia, Diego Garcia, Guam, Hawaii, Hong Kong, Japan, Okinawa, Philippines, Singapore, and South Korea. In FY18, three low-volume locations were added: American Samoa, Malaysia, and Marshall Islands. The distribution network is complex as locations supported are separated by water. Analyst collaborated with USINDOPACOM J4, DLA Pacific, US Pacific Fleet (PACFLT), Marine Corps Forces Pacific (MARFORPAC), US Army Pacific (USARPAC) and Pacific Air Force (PACAF) representatives on specific service and provider Theater processes along with relevant guidance within the USPACOM TDP, DLA's TCSP Concept of Operations (CONOPS), and Truck Schedules to support the capability standards developed under TDD framework methodology for USPACOM.

For Military Air and Ocean modes to Hawaii, S Korea, Japan and Guam, a majority of the requisition volume is deconsolidated at the TCSP locations before distribution to customers via Common User Land Transportation (CULT) or organic theater truck assets. All other locations have requisition volumes delivered via theater movement assets to their specific supply activities. These different processes are captured under each location's Theater capability standards. One example is Ocean requisition volume destined to British Indian Ocean Territory (BIOT – Diego Garcia) moves on a strategic movement vessel to Singapore completing the Transporter segment and then awaits onward Theater movement on an MSC vessel scheduled once every four weeks. This wait time for onward movement is attributed to the Theater segment for Ocean streams to BIOT. The next slide contains the summary capability standards per Theater sub-segments and location.



Theater Segment – OCONUS (INDOPACOM)

- Capability Standard for each sub-segment:

	Sub-Segment Name	Mainland Japan	Guam, Hawaii, S. Korea	American Samoa, Hong Kong, Malaysia, Marshall Islands, Okinawa, Philippines, Singapore	Australia	British Indian Ocean Territory
MILAIR/ MILALOC	Transportation to TCSP or Customer Location	1	1	1	1 (MILALOC) 7 (MILAIR)	1
Ocean		1	1	1 (also includes N. Mariana Island)	1	48*
Truck methods		2	1	1 N/A (Hong Kong, Marshall Islands)	1	1
MILAIR/ALOC & Ocean	TCSP Processing	4	4	N/A	N/A	N/A
MILAIR/ALOC & Ocean	Theater Delivery from TCSP to Customer Location	2	1	N/A	N/A	N/A
All Modes	Customer Receipt Time	5	5	5	5	5

* Monthly delivery from Singapore



Theater Segment – (USSOUTHCOM)

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The distribution network for wholesale requisitions to USSOUTHCOM is designed to service a vast area divided into levels of service. The aggregate, wholesale distribution to USSOUTHCOM is very low volume with requisitions rarely booked to more than two or three countries each month.

USSOUTHCOM capability standards were collaborated with USSOUTHCOM J4. USSOUTHCOM does not have a TDP, nor do they have a TCSP. In Honduras, the Army receives the bulk of requisitions, which are processed through an Army SSA. Theater capability standards were based on the logic of geographical location; where the customer and PODs are collocated (Guantanamo Bay and Soto Cano Air Base) standards were set at one day. Where they are not collocated, established host-country processes are used (historic data for ocean through multiple ports to a Colombian Air Base in Bogota) and standards vary with customs and inland transportation requirements. The next slide contains the summary capability standards per Theater sub-segments and location.



Theater Segment – OCONUS (SOUTHCOM)

- Capability Standard for each sub-segment (except Commercial Air):

Sub-Segment Name	MILAIR Colombia, Cuba, Honduras	Ocean Cuba, Honduras	Ocean Colombia	Truck Honduras
Transportation to TCSP or Customer Location	1	1	2	1 GSA sourced: 10
TCSP Processing	N/A	N/A	N/A	N/A
Theater Delivery from TCSP to Customer Location	N/A	N/A	N/A	N/A
Customer Receipt Time	5	5	5	5



Navy Afloat Additives

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The Navy afloat additives have been applied to the standard for several years after analysis proved different processing times were required for Navy Afloat units. Initially, the Theater Segment was given the additive. With additional analysis, it was determined the Source Segment also required an additive. The Source Segment additive is four days globally, while the Theater Segment additive is based on location. The latest update added the additives to requisitions for Marine Expeditionary Units traveling with afloat units. The table below provides the additional time given to Afloat units by location and segment.



Navy Afloat Additives

- NAVSUP has defined additives for Afloat units. These also apply to Marine Expeditionary Units (MEU). **There were no changes for FY20:**

Afloat Additives	AFRICOM	CENTCOM	EUCOM	NORTHCOM (CONUS & AK/PR)	PACOM (Guam & Hawaii)	PACOM (Others)	SOUTHCOM
SOURCE (Requisition Submission)	4	4	4	4	4	4	4
THEATER (Customer Receipt)	12	12	15	None	None	10	None



Auto Calculation Methodology

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The preceding sections define the capability standards provided from each stakeholder. In cases where there were multiple process owners or a hand-off between organizations with no guiding document for the process, a recommended approach was coordinated between process owners if possible. In a few cases, some process capabilities needed to be automatically calculated based on a mathematical or analytical approach. In those cases, the general approach applied a process of defining the segment level capability standard using historical performance and extrapolating known process timeframes from other similar streams to set the sub-segment process standards. If a common process occurred across streams, such as CCP Processing time, the number of days provided by DLA was assigned to all streams that would be consolidated at the CCP. The specific number of days for each Auto-Calc instance is defined in the preceding tables.



Auto Calculation Methodology

- **Streams with the following conditions will be calculated based on previous year's performance:**
 - Multiple process owners without a consistent dominant provider
 - Invalid stream combinations based on process knowledge (Investigate data)
 - Other Recommendations



Construction of New Stream Standards

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The current list of approximately 2800 streams has a unique, specific combination of the three components that made up each stream but does not represent every possible combination of depot source, mode, and customer location. As time moves forward, new streams occur with the introduction of new customer locations, application of different transportation modes for customers that were not serviced by that specific mode, or implementation of new supply sources (i.e. new depot in USAFRICOM).

The general approach now is to review a list of new streams each month and if the new population reaches a statistically relevant volume of requisitions, extrapolate current process capability standards to the new stream sub-segments in order to define an LRT capability standard. Low volume, unexpected streams may not be added to the performance evaluation until distribution data is validated. (For example, one requisition delivered by military air to a location where no channel routes exist may not be added until the transportation route is validated and the volume increases.)



Method for Setting Standards for New Streams

- **Methodology for setting capability standards began with all streams that occurred in a 12 month timeframe.**
 - Initially started with CY15, then reset to FY15 before initial implementation
 - For FY20 release, validated new streams added during FY19 (primarily, Comm Express and Truck from NORTHCOM OCONUS (Alaska) and OCONUS Other (Navy Afloat) depots, and new Ocean/Truck routes to Georgia and Norway)
 - Every month, new streams occur based on new combinations of customer location, mode used, and source of supply
- **Monthly SDDB processing incorporates new streams.**
 - Normal approach is a short pause mid-process to define standards
 - New standards are set by TCJ4-LM analysts using the approach summarized in the preceding slides to define sub-segment standards
 - If new streams occur for a previously undefined area, process owner will be informed of assumption and allowed to update standard the next month
 - If new streams are more than 1% of the CCMD volume, processing will pause in order to get concurrence from process owner



Detailed list of 16 new stream additions for FY20

- Validated standards for new streams which were added during monthly processing throughout FY19 (as the requisitions volumes reached measureable thresholds).

CCMD	Country / Region	Notes on New Streams	#
USEUCOM	Georgia	Ocean NIMH (Containers consolidated in Norfolk)	3
	Netherlands	Add MILAIR stream from DLA Planned DVD	1
	Norway	Truck (Used Netherland Truck streams to set standard)	3
USNORTHCOM	Alaska	Added Comm Express and Local Truck from NORTHCOM OCONUS depots	2
USINDOPACOM	Australia	Added Comm Express and Local Truck from NORTHCOM OCONUS depots	2
	Guam, S. Korea, Mainland Japan, Okinawa Japan	Added Truck streams from OCONUS Other depot group (assumed to be Navy Afloat with "blank" location data)	5



Updated Operational Need Goals

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While TDD standards assess the currently designed and funded distribution network, operational need goals are meant to provide a solely customer focused perspective. These goals can be completely agnostic of the currently designed and funded distribution network, if the customer chooses to make them so. Ideally, the goals should be based on criteria that speak to the operational environment of the customer (e.g. readiness, OPLANs, etc.). The overall purpose of these goals is to create a decision space between the performance of the designed and funded distribution network and the needs of the Warfighter.

The operational need goals must describe the required velocity (in days) for wholesale requisitions. In other words, the goals should take into consideration the existence and performance of the retail distribution system.

Throughout **FY19**, members of the TCJ4-LM branch engaged each of the Services to obtain updates to their Operational Needs Goals and/or Methodologies. The **Air Force, Army, and Marines** compiled a list of updated values and provided them to the J4-LM branch. **Army** had no updates to their previous values.



Updated FY20 Operational Need Goals

CCMD		TDD Priority	Army	Air Force	Marines	Navy		
AFRICOM		1	3	14	14	11		
		2	8	19	30	16		
		3	15	64	45	78		
CENTCOM		1	20	14	15	11		
		2	30	17	30	16		
		3	113	71	45	78		
EUCOM		1	12	12	15	9		
		2	25	17	25	14		
		3	65	37	50	51		
INDOPACOM		1	11	11	11	9		
		2	28	17	25	14		
		3	54	51	50	58		
NORTHCOM		CONUS		1	4	4	7	4
				2	7	7	14	7
				3	14	14	21	16
		OCONUS		1	4	4	7	9
				2	7	7	14	14
				3	14	14	21	44
SOUTHCOM		1	14	14	12	11		
		2	19	19	21	16		
		3	71	45	45	78		

Received updated values (highlighted) from Air Force, Marines, and Navy. No changes to FY20 goals for Army.



Summary of FY20 Updates

TDD standards have been updated following established process approved by the Distribution Steering Group (DSG) in FY17. Updates will be implemented in October data.

Summary of changes:

- GSA tightened ICP Processing by 1 day (now 2 day standard) and Ship to POE by 1 day.
- Updated many supplier and transporter standards for certain streams:
 - DLA updated Pick Pack Ship times based on historical data and to align to business process (37% of DLA owned (non-DVD) supplier streams now shorter).
 - No change to commercial carrier standards, based on no changes to contract times.
 - Updated Military Air transporter based on same methodology as previous years, including update of historical volume to determine primary route selection time.
 - Ocean port times extended to align to carrier processes based on current contract.
- Renamed CAT A to contract-agnostic COMALOC with no change to business rules or standards.
- Added 3 days to Ground Scheduled Theater in CONUS for de-consolidation after carrier drop-off.
- **Resulted in updates to 1821 current streams out of 2801 with +3% net effect of LRT updates.**
 - All Comm Express and Truck LRTs shorter or unchanged.
 - All CONUS streams shorter/unchanged except CONUS Other PPS & Grnd Scheduled Theater
- **Operational Need Goals were updated by the Air Force, Navy and Marines.**



Additional Sddb Processing Enhancements

- **Updated Transportation Method from CAT A to COMALOC**
 - COMALOC stands for Commercial Air Lines Of Communication
 - New descriptor is contract-agnostic, generic term
 - Allows for future transition to the Global Heavyweight Services (GHS) contract for commercial movements of shipments over 300 lbs
 - Will continue to mark Next Generation Delivery Service (<300 lbs) as Comm Express
- **Updated reference data for DoDAAC location, IGC Air Process for Military Air transporter data, and iSDDC historical data**
 - New data will be reflected in historical performance after re-run to update the standards
- **Added Major Command Codes that are available to DODAAC reference table**
 - Allows inclusion of Marine units which currently are marked as Reserves (not measured)

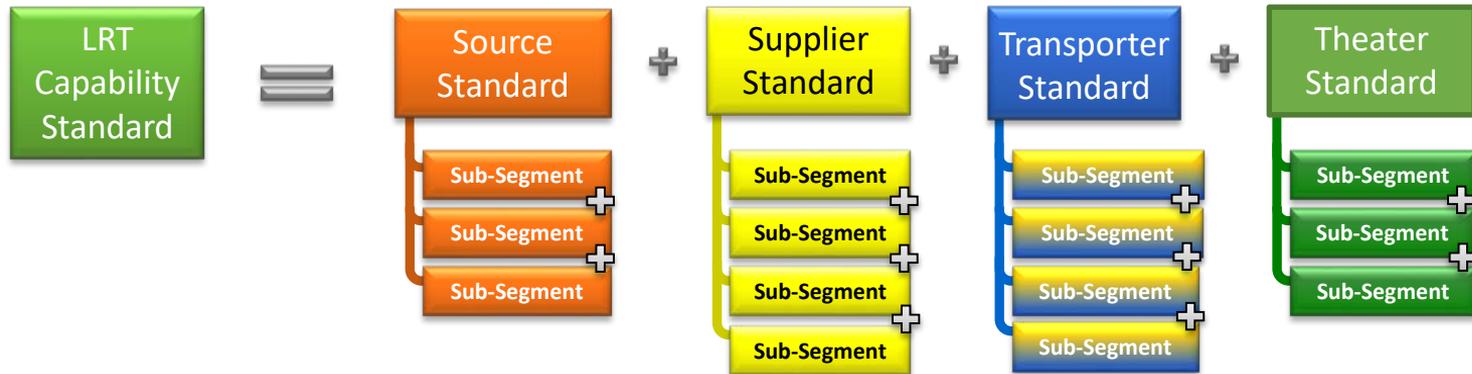


BACKUPS



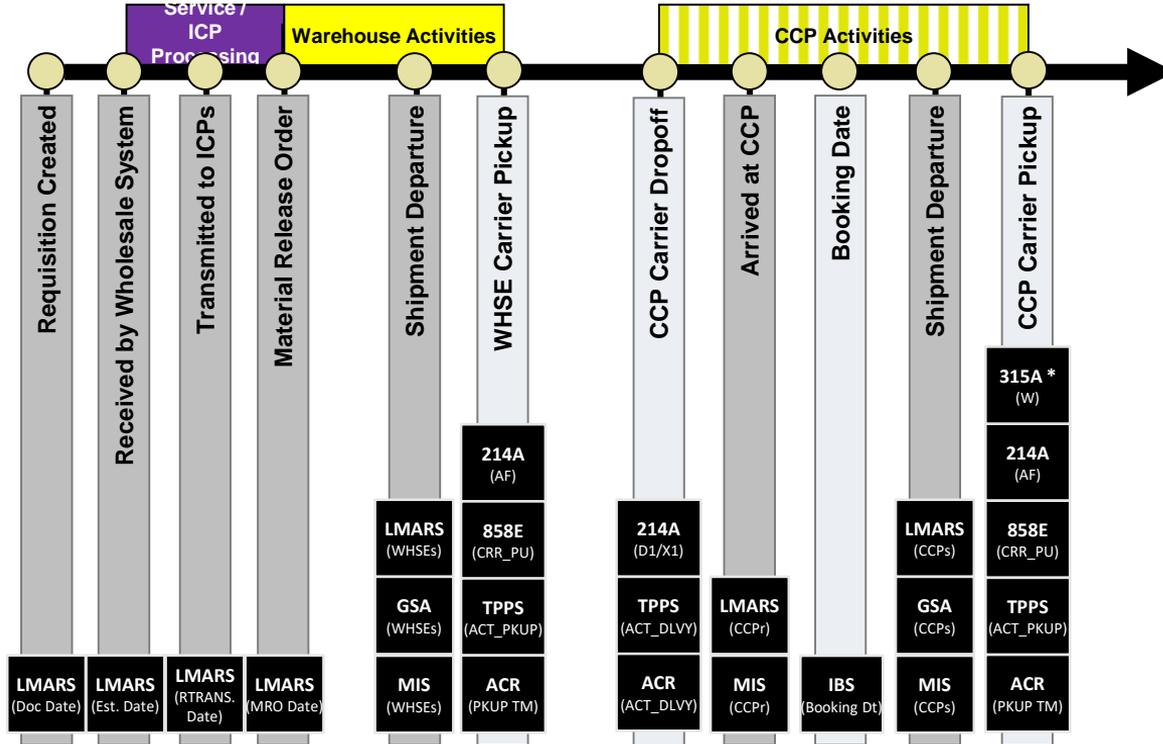
TDD Framework Methodology Overview

- Each segment standard is sum of capability standards for each sub-segment, defined by process owner.
- Capability Standard LRT is sum of 4 segments.
- Operational Need Goal is defined at LRT level by priority.



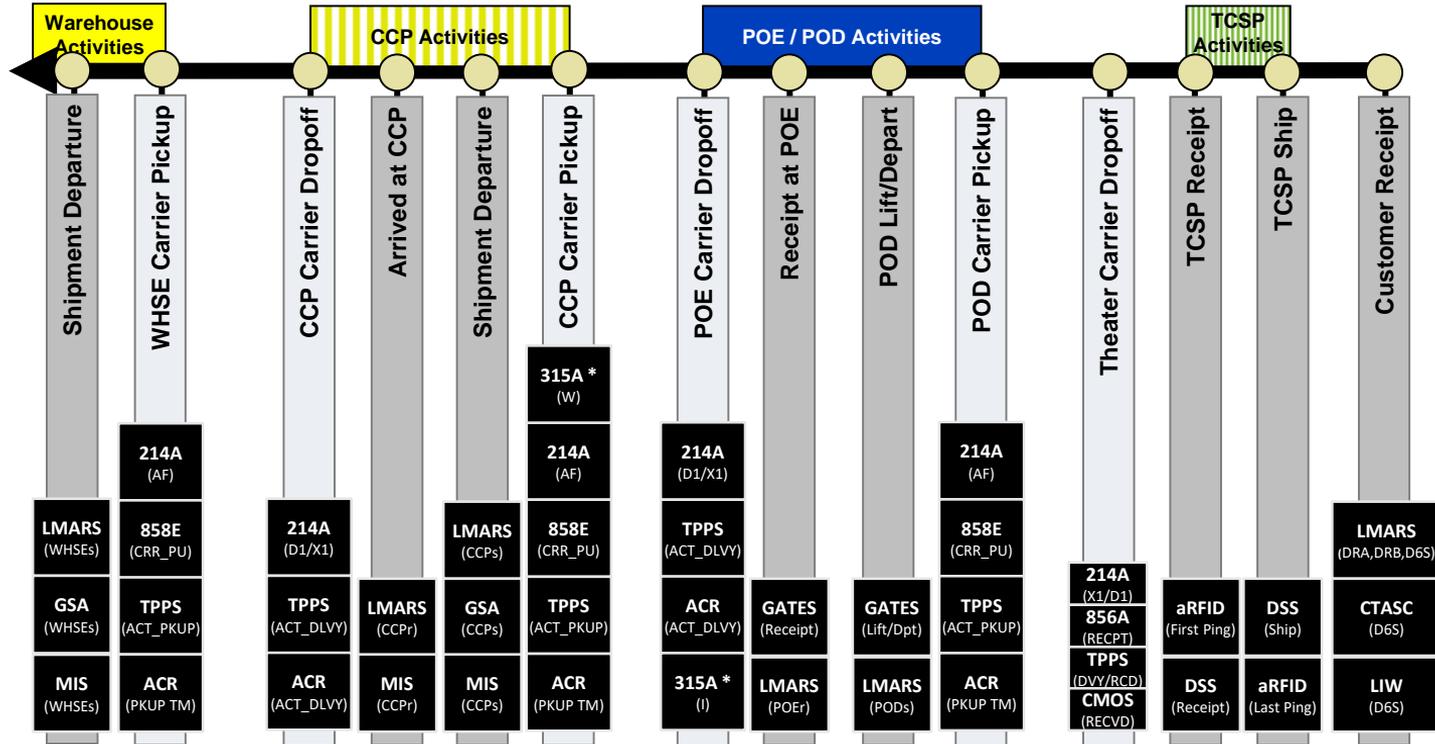


Source/Supplier Events





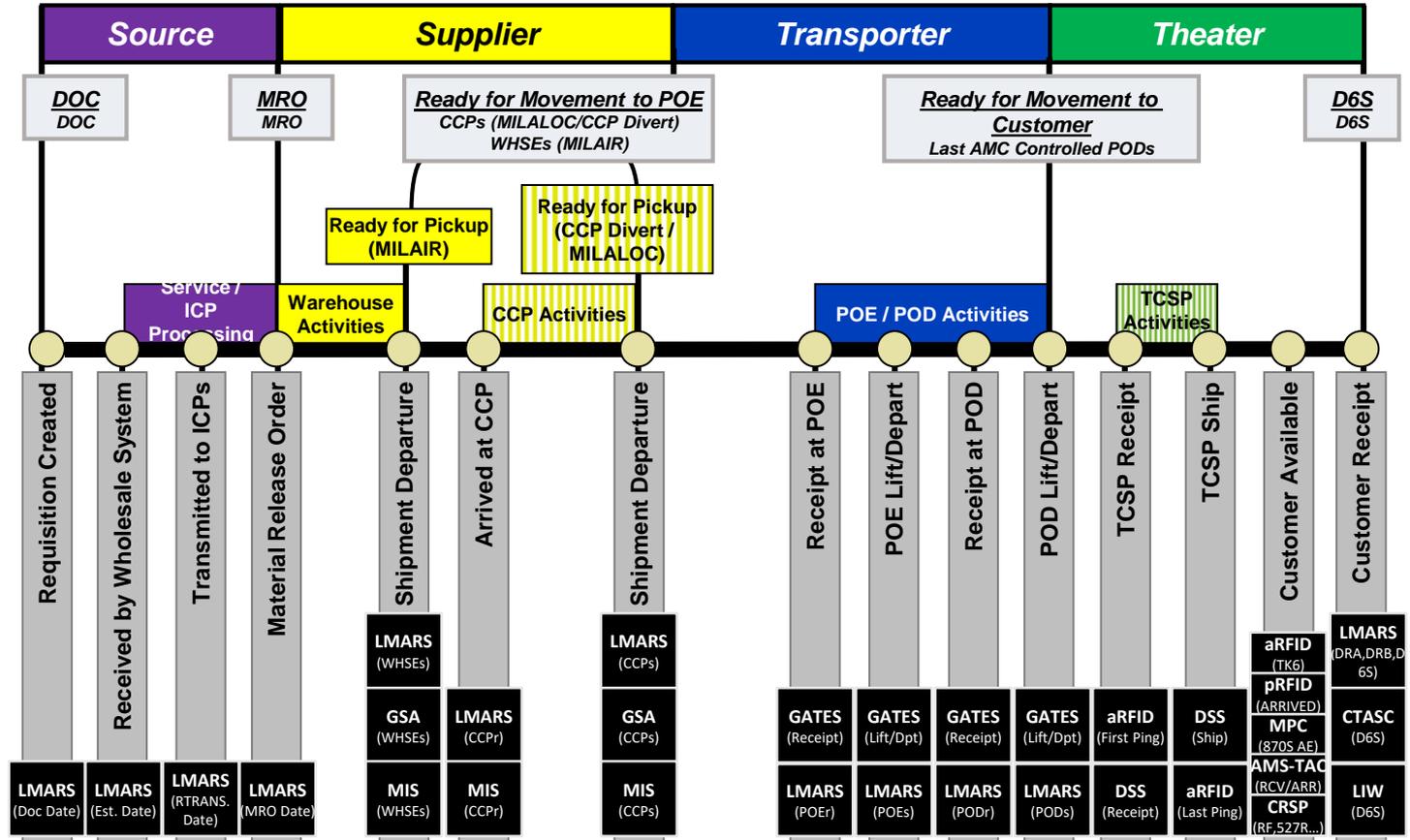
Transporter/Theater Events





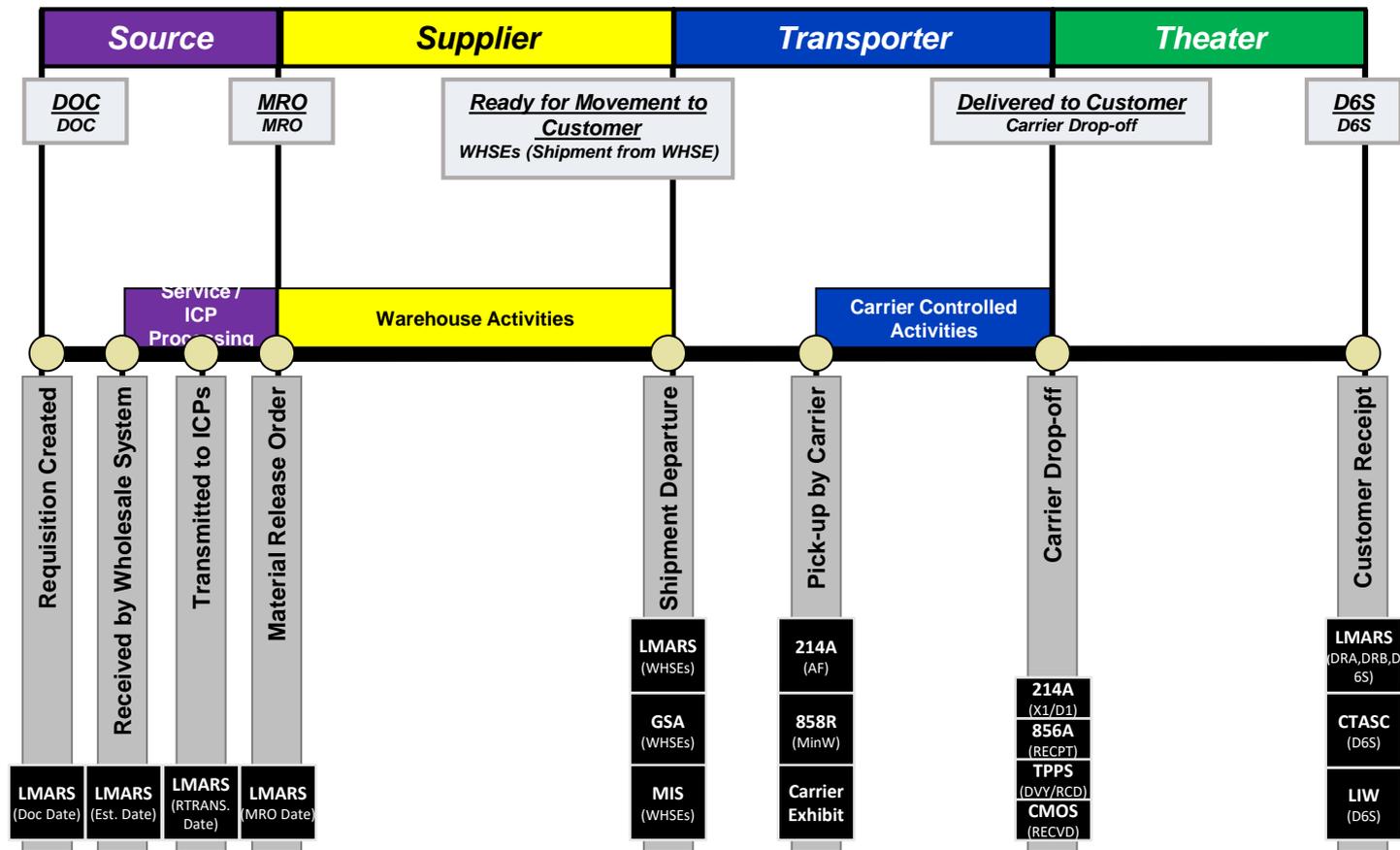
Military Air

(MILAIR, MILALOC)



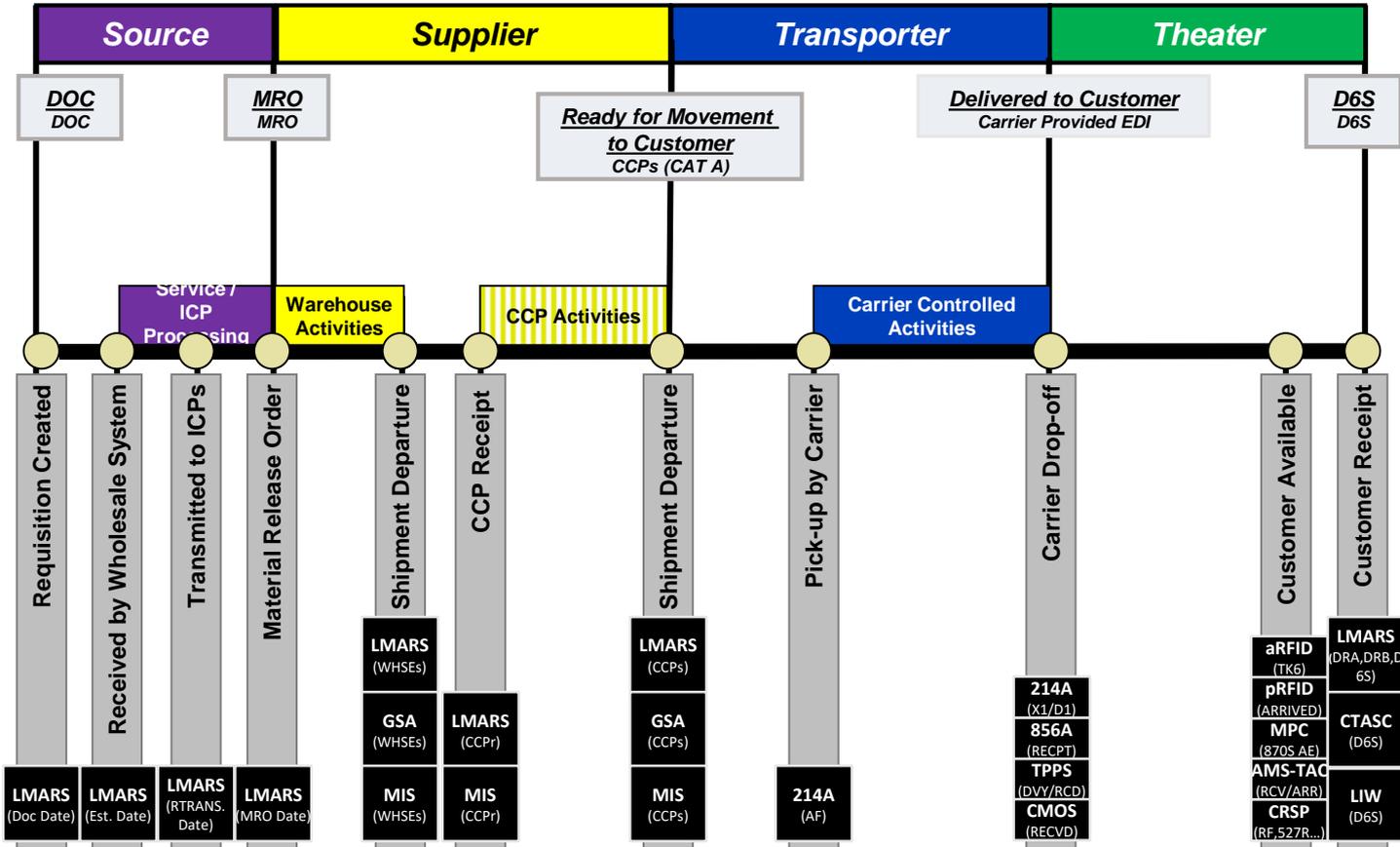


IntraCONUS



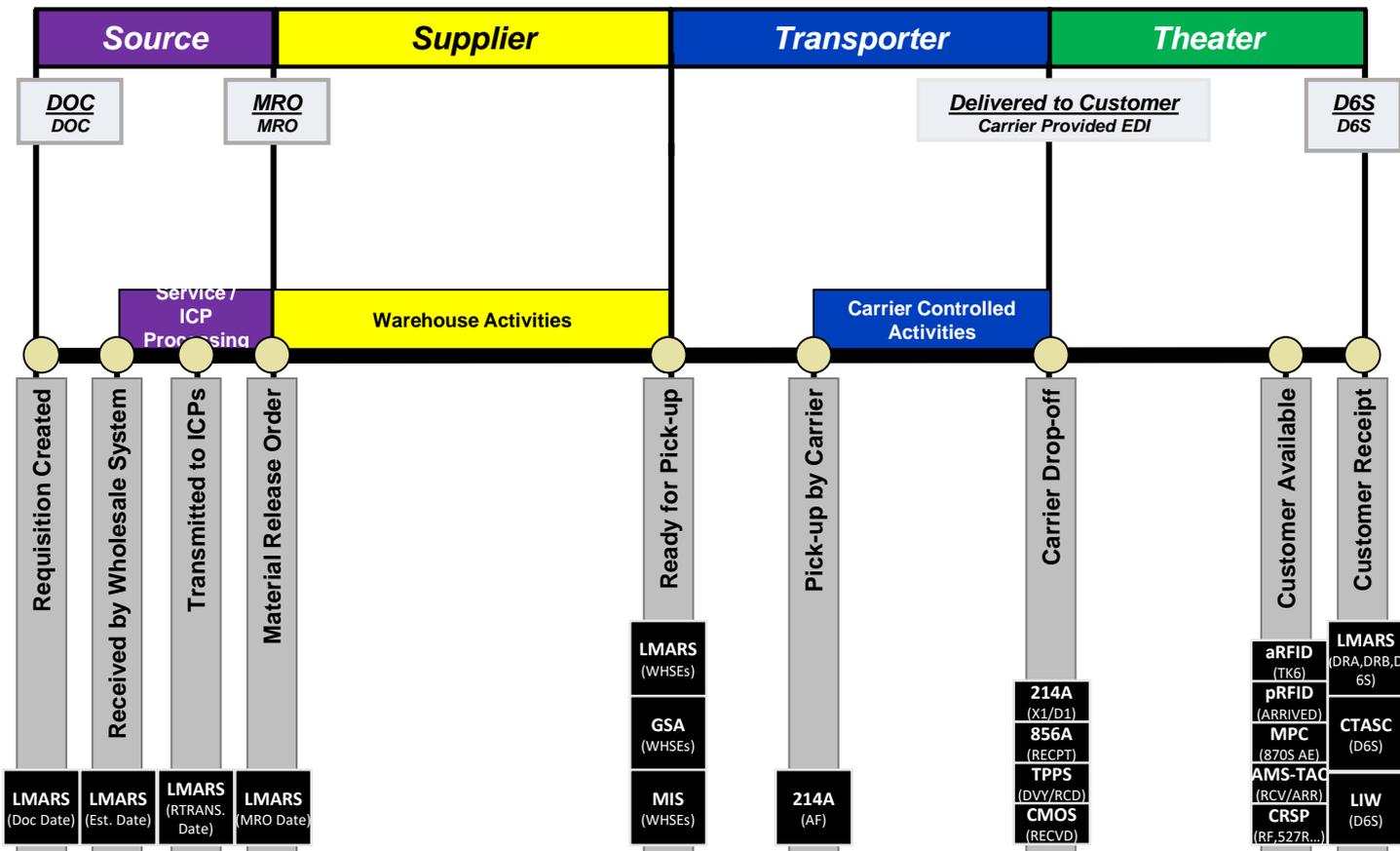


CAT A





Total Delivery Services (TDS)





Theater Truck

