



Interface Requirements/Design Document Between GTN and the Transportation Coordinator's Automated Information Management System (TC-AIMS II)

Global Transportation Network

Contract No. F19628-95-C-0029

Publication No. USTCP 171-3.1070 TC-AIMS II

Prepared by:
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Section 1

SCOPE

Section 1

SCOPE

1.1 IDENTIFICATION

This document serves as the Interface Requirements and Design Document (IR/DD). This IR/DD defines the interface and electronic data exchange between the Global Transportation Network (GTN) and the Transportation Coordinator's Automated Information Management System (TC-AIMS II). TC-AIMS II is a Joint system.

1.2 SYSTEM OVERVIEW

1.2.1 Global Transportation Network

GTN is an automated command and control information system that supports the family of transportation users and providers (both Department of Defense [DoD] and commercial) by providing an integrated system of In-Transit Visibility (ITV) information and Command and Control (C2) capabilities. GTN collects and integrates transportation information from selected transportation systems. The resulting information is provided to the Secretary of Defense (SECDEF), Combatant Commanders, United States Transportation Command (USTRANSCOM), its component commands, and to DoD customers to support transportation planning and decision making during peace and war.

Transportation responsibilities are grouped by intratheater, intertheater, and intra-Continental United States (CONUS) movements. USTRANSCOM is responsible for both intra-CONUS and intertheater movements, while theater commanders are responsible for intratheater movements. Visibility of intratheater movements within the GTN system is dependent upon source system interfaces and the degree to which intratheater movement is reported to those interfaces.

The three major functional areas provided by GTN are Defense Transportation System (DTS) In-Transit Visibility, Command and Control, and Planning and Analysis.

1.2.1.1 In-Transit Visibility

GTN will provide schedules and actual transportation movement information (itineraries and manifests) about units, forces, cargo, air refueling, passengers, and patients. GTN will collect, integrate, and distribute transportation information to the SECDEF, Combatant Commanders, USTRANSCOM, its component commands, and other transportation data customers. ITV will permit visibility into transportation requirements by obtaining visibility of a requirement when it is first initiated and continuing visibility as the requirement is satisfied through movement in the transportation pipeline. In general, GTN will satisfy user's ITV requirements through user-controlled views of integrated transportation data that include combinations of mode, locations, dates, and status with a variety of unit, force, cargo, passenger, and patient identifiers.

1.2.1.2 Command and Control

GTN will satisfy C2 information requirements by bringing together accurate, timely transportation information currently available through numerous unrelated systems into a single integrated view of the DTS. GTN will monitor the status and movement of transportation assets and resources which, when combined with planning and analysis tools as well as decision support systems, will form a capability essential to planning, directing, and controlling USTRANSCOM operations. The C2 operational requirements are Requirements Collection and Execution, Execution Monitoring, Course of Action Planning Exercise Support (Field Training Exercise/Command Post Exercise [FTX/CPX]), and Patient Movement.

1.2.1.3 Planning and Analysis

GTN will support USTRANSCOM's C2 planning and analysis mission, including course of action planning, modeling and simulation, exercise planning and execution, and DTS business operations. These planning and analysis capabilities are interrelated and closely tied to successful monitoring and execution of C2 operations. GTN planning capabilities will support USTRANSCOM's C2 mission across the spectrum of activities from peace to war.

1.2.2 Transportation Coordinator's-Automated Information for Movement System II

TC-AIMS II is within the Department of Defense mission areas of mobility and sustainment. This is defined as transportation movement and support of DoD personnel and cargo during all phases of military operations in all environments. As part of the DTS, TC-AIMS II focus includes daily transportation management, traffic management, commercial carrier interfaces, movement control and mode operations in garrison, at depots, consolidation activities, and transshipment locations.

Within the Army, TC-AIMS II consolidates the management of transportation functions of unit movement, convoy management, load planning, Installation Transportation Officer (ITO) operations, and movement control and mode operations at various levels. It provides a common hardware suite running software applications designed for easy data retrieval, data exchange, and connectivity to relevant external sources. Open systems architecture is emphasized throughout for standardization, interoperability, system growth, and maintenance.

1.3 DOCUMENT OVERVIEW

This document provides both general and detailed descriptions of the GTN-TC-AIMS II interface. The communications protocols, network connections, manual operations and formats, and contents of the data that constitute the interface are described to an appropriate level of detail.

When significant changes or revised releases occur, an overview that identifies new or modified transactions by name and paragraph, describing any change in system functionality, and identifying additions or deletions of data elements will be provided in Table 1-1, Revision Status. If significant changes or revisions affect only the information contained in an appendix, only the appendix will be revised.

Table 1-1. Revision Status.

Revision	Date	Description of Change
Initial	9 October 2003	<p>Removed ATCMD transaction section from document.</p> <p>Updated references from MILSTAMP to DTR in Tables 3-3 and 3-14-3-26a.</p> <p>Updated Communications Section to show SSH versus SMTP transfer methods.</p> <p>Modified TAA, TAT, and TAJ formats to add Origin and Destination GEOLOCs to the formats.</p> <p>Changed the Port of Embarkation (POE) and Port of Debarkation (POD) fields in the TCMD transactions from Mandatory to Optional fields.</p> <p>Added "CANCELMAN" as a valid entry in the Mission Number field of the TAA Air Manifest header transaction.</p> <p>Incorporated 9 September 2003 comments from GTN PMO and TC-AIMS II Program Office.</p>

Section 2

REFERENCED DOCUMENTS

Section 2

REFERENCED DOCUMENTS

2.1 GOVERNMENT DOCUMENTS

The following documents, of the exact version shown, form a part of this specification to the extent specified within. In the event of a conflict between a referenced document and this specification, the contents of this specification will take precedence.

2.1.1 Regulations

- DoD 4500.9-R December 2000 Defense Transportation Regulation, Part II, Cargo Movement
- DoD 4000.25-6-M 2 July 1996 DoD Activity Address Directory (DoDAAD)
- DoD 4000.25-8-M March 1993 Military Assistance Program Address Directory System
- FORSCOM Reg 55-2 31 October 1997 Transportation and Travel; Unit Movement Data Reporting
- AR 55-355 31 July 1986 Defense Traffic Management Regulation

2.1.2 Other Publications

- Air Mobility Command (AMC) Manual 24-102 9 October 1996 Passenger Reservation and Manifesting System (PRAMS), Volume 1
- Air Force Joint Manual (AFJMAN) 24-204 25 November 1994 Preparing Hazardous Materials for Military Air Shipments
- Title 49 Current edition Code of Federal Regulations (CFR), Transportation (International Maritime Dangerous Code)
- DI-IPSC-81436 5 December 1994 Data Item Description (DID) Titled: Interface Design Description (IDD)
- DI-IPSC-81434 5 December 1995 Data Item Description (DID) Titled: Interface Requirements Specification

- OT-94-34069 30 March 1994 GTN Interface Requirements/
Design Document (modified by
13 September 1996 AMC CONF/
LGCFB Memorandum)
- GTN SCONOPS 31 January 2002 GTN Security Concept of
Operations
- RFC 701 June 1981 Request for Comment (RFC)
Internet Protocol (IP)
- RFC 793 1 September 1981 Transmission Control Protocol
(TCP)
- MOA December 1997 Memorandum of Agreement
(MOA) for the Global
Transportation Network/
Transportation Coordinator's
Automated Information
Management System, Signed

Copies of specifications, standards, drawings, and publications required by suppliers in connection with specified procurement functions should be obtained from the contracting agency or as directed by the contracting officer.

Section 3

INTERFACE PROCEDURES

Section 3

INTERFACE PROCEDURES

3.1 INTERFACE DIAGRAMS

Figures 3-1, 3-2, 3-3, and Table 3-1 display GTN system design overview, TC-AIMS II interfaces, and the TC-AIMS II Transaction Time Line.

3.1.1 GTN System Design Overview

The GTN system design, with logical connectivity is shown in Figure 3-1.

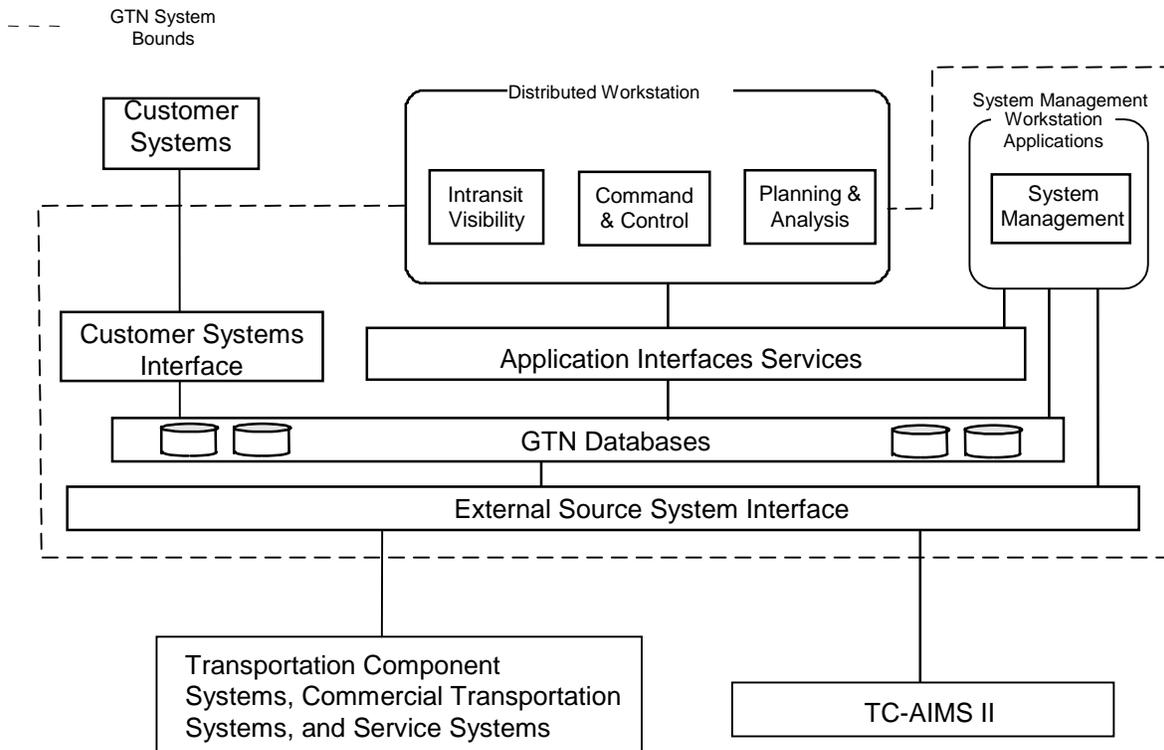


Figure 3-1. GTN System Design Overview.

3.1.2 TC-AIMS II Interface Summary

The other systems to which TC-AIMS II interfaces to receive and provide transportation-related information are shown in Figure 3-2 and Table 3-1. Table 3-1 provides a summary of the communication means, the frequency of updates, and the functional information exchanged between TC-AIMS II, its interfacing systems, and GTN. Many of the transmissions to interfacing systems occur when TC-AIMS II has generated a request for transportation or TC-AIMS II has generated movement data that is required by the agency of the interfacing system.

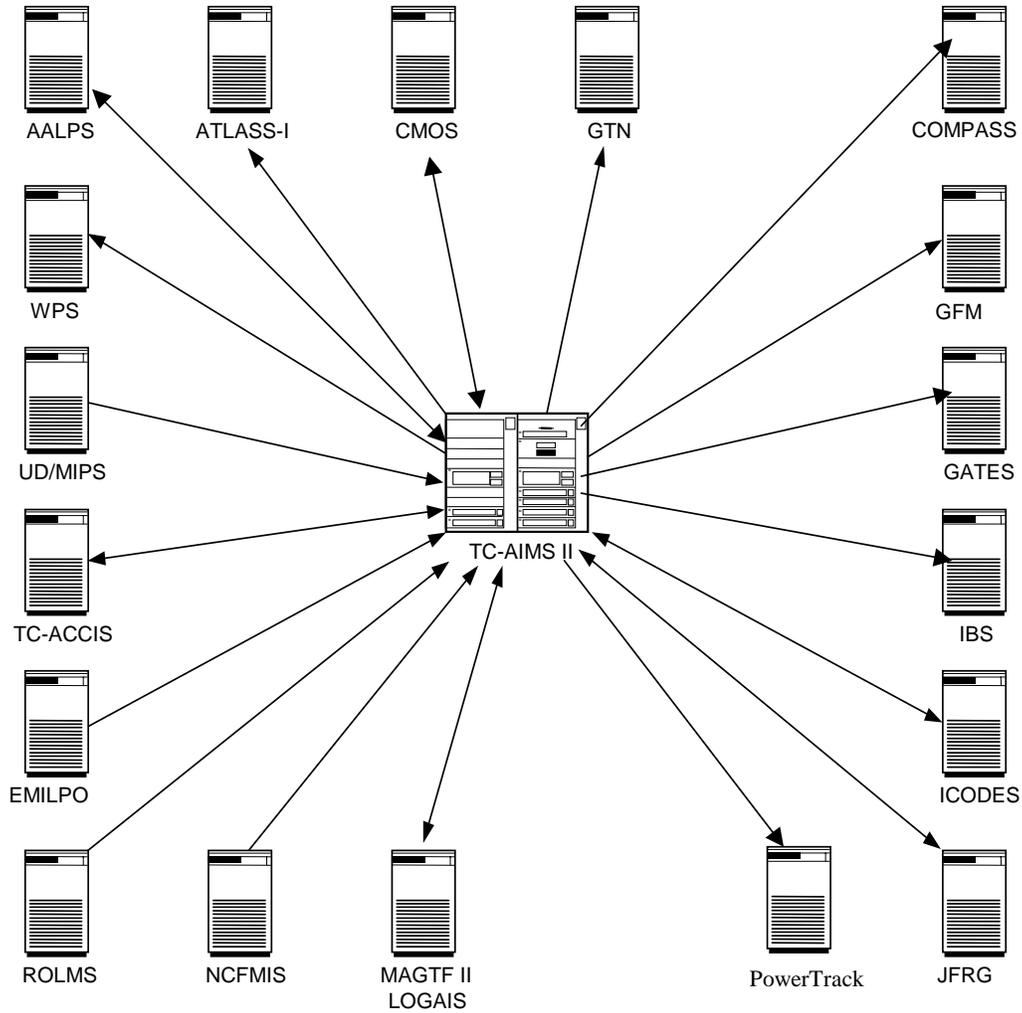


Figure 3-2. TC-AIMS II Interface Summary Diagram.

Table 3-1. TC-AIMS II Interface Summary Table.

Source System	Communication Method	Update Frequency	Owner	Source System to/from TC-AIMS II	Source System to GTN
Automated Air Load Planning System (AALPS)	Diskette	As required	US Army	TC-AIMS II sends Cargo Manifest data to include Helicopter Record, Non-Palletized Cargo Record, Pallet Record, Rolling Stock Record, Track Record, Trailer Record, and End of File Record. AALPS sends air load plan.	No direct interface to GTN.

USTCP 171-3.1070 TC-AIMS II
 9 October 2003

Source System	Communication s Method	Update Frequenc y	Owner	Source System to/from TC-AIMS II	Source System to GTN
Asset Tracking and Logistics Automated Support System – I (ATLASS-I)	Diskette	As required	US Marine Corps	Sends unit equipment updates to include updated trace tables, location tables, and tech data to TC-AIMS II. Receives Gainer (D6A, DAD, YRU, YAL) and Loser (D7P, DAD, YRU) transactions from TC-AIMS II	No direct interface to GTN.

Table 3-1. TC-AIMS II Interface Summary Table. (cont'd)

Source System	Communication Method	Update Frequency	Owner	Source System to/from TC-AIMS II	Source System to GTN
Cargo Movement Operations System (CMOS)	Simple Mail Transfer Protocol (SMTP)	As required	US Air Force	Sends Transportation Control Movement Document (TCMD) data including Unit Move Manifest and Unit Move Transportation Control Numbers (TCNs) to TC-AIMS II. Receives TCMD data to include UMH, U_0/1, U_5, U_6, U_7, U_9.	Submits Advance Transportation Control Movement Documents (ATCMDs), cargo data, truck manifests, lift and receipt data, air manifests, and passenger manifests.
Computerized Movement Planning and Status System (COMPASS)	Diskette, SMTP	As required	US Army	Exchange Header "A" Record, "D", "E", "G", and "J" Records and error listings with TC-AIMS II. TC-AIMS II also provides Departure "B" Record.	No direct interface to GTN.
Global Freight Management (GFM) System	F-Secure Secure Shell (SSH)	As required	US Army Military Traffic Management Command (MTMC)	GFM provides domestic surface freight shipment data to include SRH, SRR, SRE, SRC, SRZ, and SRP to TC-AIMS II.	Provides Government Bill of Ladings (GBLs) and Carrier Reference Files.
Global Air Transportation and Execution System (GATES). GATES replaced Consolidated Aerial Port System II (CAPS II) in FY 99	Diskette, SMTP	As required	US Air Force	One-way data Exchange of Passenger Name Record (PNR) and Cargo Manifest data (TAT, TAA, TAB, T_A/D, T_E, T_F, T_G, T_J).	Provides on-hand data and air cargo manifests.
Global Transportation Network (GTN)	SMTP	As required	TRANS COM	Receives from TC-AIMS II Unit Equipment Lists (UEs), Installation Situation Reports (ISRs), Passenger Manifest, Truck Manifest, Air Manifest, and Ocean Manifest for In-Transit Visibility/Total Asset Visibility (ITV/TAV).	N/A.
Integrating Booking System (IBS)	File Transfer Protocol (FTP)	As required	US Army MTMC	TC-AIMS II provides unit movement data.	Ship schedules, booking information at Transportation Control Number (TCN) level.
Integrated Computerized Deployment System (ICODES)	Diskette, FTP	As required	US Army	ICODES provides header and cargo detail records of ship load plan to TC-AIMS II. TC-AIMS II provides header and cargo detail records of actual equipment to be loaded to ICODES.	No direct interface to GTN.
Joint Force Requirements Generator II (JFRG II)	Diskette	As required	US Marine Corps	Two-way data exchange of Unit Deployment List (UDL), UEL, and Unit Movement Data (UMD).	No direct interface to GTN.

Table 3-1. TC-AIMS II Interface Summary Table. (cont'd)

Source System	Communication Method	Update Frequency	Owner	Source System to/from TC-AIMS II	Source System to GTN
Marine Ground Air Task Force II/ Logistics Automated Information Systems (MAGTF II/LOGAIS)	Diskette	As required	US Marine Corps	Two-way data exchange of UDL, UEL, and UMD.	LOGAIS provides Air, Passenger, and Ocean Manifests to GTN.
Naval Construction Force Management Information System (NCFMIS)	Diskette, SMTP	As required	US Navy	Sends TC-AIMS II unit equipment data to enable creation of a UDL.	No direct interface to GTN.
Retail Ordnance Logistics Management System (ROLMS)	Diskette, STMP	As required	US Navy	Sends TC-AIMS II ammunition data to enable creation of a UDL.	No direct interface to GTN.
Electronic Military Personnel Office (EMILPO)	Web Access	As required	US Army	Sends TC-AIMS II Army personnel data to include unit header record and personnel detail record.	No direct interface to GTN.
Transportation Coordinator's Automated Command and Control Information System (TC-ACCIS)	Diskette, FTP, SMTP	As required	US Army	Sends TC-AIMS II Data Conversion Record for Unit Reference Data, Equipment List/Vehicle Loaded, and Vehicle Loads Data Records. Receives data record for unit, echelon, vehicle, and load characteristic data for US Army assigned equipment.	Provides Passenger (PAX) Manifest, UEL and UMD data, and ISR.
Unit Diary/Marine Corps Integrated Personnel System (UD/MIPS)	Diskette, SMTP	As required	US Marine Corps	Sends TC-AIMS II Marine Corps personnel data for unit movement planning and manifesting of personnel during deployment.	No direct interface to GTN.
Worldwide Port System (WPS)	Diskette, FTP	As required	US Army MTMC	TC-AIMS II will pass ATCMD data to WPS for ocean cargo shipments.	Provides TY series, Ocean Manifest transactions, and ATCMDs.
US Bank, PowerTrack (PowerTrack)	SMTP	As required	US Bank	TC-AIMS II will send data to PowerTrack for electronic Bill of Lading processing.	No interface to GTN.

3.1.3 TC-AIMS II Transaction Timing

The TC-AIMS II Transaction Time Line, Figure 3-3, is a high-level representation of the sequence of events and the associated transactions that those events may trigger. Army units develop Deployment Equipment Lists (DELs) for each unit move (also known as UELs). The DEL is sent as a COMPASS report to Forces Command (FORSCOM) and GTN. The updates to the DEL are also reported as they occur. When the cargo departs the installation, TC-AIMS II provides visibility of the departure via the ISR. If the passengers travel by bus or air, TC-AIMS

II will provide a passenger manifest for bus or air movement of the passengers. TC-AIMS II can also provide a passenger manifest for ocean movement.

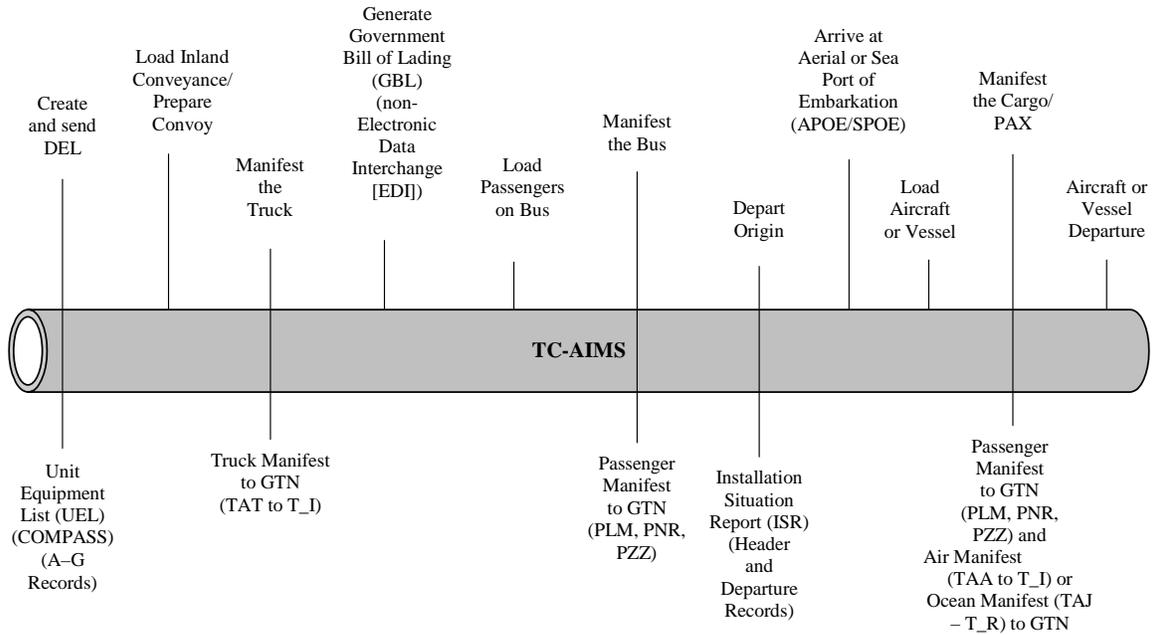


Figure 3-3. TC-AIMS II Transaction Time Line.

3.2 GTN–TC-AIMS II INTERFACE

The interface covered in this document is known as the GTN–TC-AIMS II interface. The GTN–TC-AIMS II interface provides early movement requirement information about the cargo a unit is planning to ship in support of an operation or exercise; ITV information when the cargo departs the origin and the aerial and/or sea port when the GATES or the WPS system is not present; and ITV information for passengers departing by bus, vessel, or aircraft.

The GTN system is located in Building 1575 of the Network Operations and Security Center (NOSC), formerly Consolidated Computer Facility (CCF), on Scott Air Force Base (AFB), Illinois. It consists of a number of hardware platforms functioning as various types of servers. The platforms are connected to the dedicated GTN LAN.

The TC-AIMS II will be located at multiple sites and will have deployable hardware. The multiple sites and deployable systems are expected to send data to GTN via one or more centralized TC-AIMS II Regional Servers.

GTN and TC-AIMS II will communicate using SSH.

3.2.1 GTN–TC-AIMS II Data Elements

At the most basic level, the information sent from TC-AIMS II to the GTN system may be described in terms of data elements. All data elements are uniquely named. The data will be passed to GTN as American Standard Code for Information Interchange (ASCII) strings.

Associated with each data element is a description, size (e.g., length in characters), limits/range (e.g., list of allowed values), set of legal checks (e.g., the set of ASCII characters that may comprise a legal value of the data element), the DoD standard data element name (if one exists), and a comment. The legal checks that a given data element has are described in Table 3-2.

Table 3-2. Legal Checks Legend.

Legal Check	Valid ASCII Characters	Description	Format
A	'A'-'Z', 'a-z'	Alphabetic, no spaces allowed	
AN	'A'-'Z', 'a-z', '0'-'9'	Field must be alphanumeric, no spaces allowed	
C	'A'-'Z', 'a-z', '0'-'9', '-', '&'	Used for quantity fields of AN. If qty value is greater than field size, the most significant digit becomes: &=10, A=11, I=19, -=20, J=21...	
N	'0'-'9'	Numeric, no spaces or blanks allowed	
SA	'A'-'Z', ' ', 'a-z'	Field must be alphabetic 'A'-'Z', and can contain spaces or blanks	
SAN	'A'-'Z', '0'-'9', ' ', 'a-z'	Field must be alphanumeric 'A'-'Z', '0'-'9', and can contain spaces or blanks	
SN	'0'-'9', ' '	Field must be numeric '0'-'9' and can contain spaces or blanks	
TCN	'A'-'Z', 'a-z', '0'-'9', '\$'	Unit Move TCN format	
X	All printable characters and space, except any field delimiter	Alphanumeric and punctuation	Free form

The data elements sent across the GTN-TC-AIMS II interface are described in Table 3-3. In Table 3-3, each data element has been referenced in the "DoD Standard Data Element" column to the Defense Data Dictionary System (DDDS) when a corresponding data element could be found. In the "Limit/Ranges" column where the definition is extensive, a reference has been made to the appropriate standard table where the limits and ranges are specified. The reference to where the data element is defined is indicated in the "Comments" column. Where no standard reference is applicable, reference is made to source system documentation when available or just to the source system when no documentation has been identified.

Table 3-3. GTN–TC-AIMS II Data Definitions.

TC-AIMS II Data Element Name	DoD Standard Element Name	Description	Field Length	Limits/Ranges	Legal Check	Comments
ABRV_NOMEN	(Not found in DDDS)	The abbreviated nomenclature for nonhazardous material	14		X	DoD 4500-9-R, Part II, Figure C-210
ACFT_MODEL	AIRCRAFT-TYPE MODEL IDENTIFIER	Aircraft model nomenclature	3		X	This combines with aircraft series
ACFT_NBR	TRANSPORTATION-EQUIPMENT IDENTIFIER	Identifying number painted on the tail of the carrier aircraft	6		X	Tail number is unique for each aircraft model design series
ACFT_SERIES	AIRCRAFT-TYPE SERIES IDENTIFIER	First character of aircraft series nomenclature	1		X	Combines with aircraft model
AERIAL_POD	FACILITY IDENTIFIER	Aerial Port of Debarkation is (APOD) a Defense Transportation Regulation (DTR) code to identify an airport. Used in the Passenger Manifest	3	DoD 4500-9-R, Part II, Appendix DD-14	AN	TC-AIMS II data element
AERIAL_POE	FACILITY IDENTIFIER	Aerial Port of Embarkation (APOE) is a DTR code to identify an airport. Used in the Passenger Manifest	3	DoD 4500-9-R, Part II, Appendix DD-14	AN	TC-AIMS II data element
AIR_CMDTY_CD	AIR-COMMODITY CODE	Air commodity code of the shipment unit	2	DoD 4500-9-R, Part II, DD-1	AN	I, O, and W not used. DoD 4500-9-R, Part II, Figure CC-2-14
AIR_DIM_CD	(Not found in DDDS)	Air dimension code of the shipment unit	1	'A' = not a consolidation, < = 72 inches; 'C' = consolidation, < = 72 inches; 'D' = consolidation w/dimension > 72 inches; or 'Z' = not consolidation w/dimension > 72 inches	A	DoD 4500-9-R, Part II, Appendix DD-3
APOD	FACILITY IDENTIFIER	Aerial Port of Debarkation is a DTR airport code	3	DoD 4500-9-R, Part II, Appendix DD-14	AN	DoD 4500-9-R, Part II, CC-2-14
APOE	FACILITY IDENTIFIER	Aerial Port of Embarkation is a DTR airport code	3	DoD 4500-9-R, Part II, Appendix DD-14	AN	DoD 4500-9-R, Part II, CC-2-14
BARGE_TYPE	(Not found in DDDS)	Type of barge on which the cargo is transported and manifested	1	L = LASH, S = SEABEE	A	DoD 4500.9-R, Part II, Figure 203-14

Table 3-3. GTN–TC-AIMS II Data Definitions. (cont’d)

TC-AIMS II Data Element Name	DoD Standard Element Name	Description	Field Length	Limits/Ranges	Legal Check	Comments
BASIC_ISSUE_ITEM	SUPPLY-SHIPMENT-UNIT BASIC ISSUE ITEM SET QUANTITY	Accessories and tools necessary to operate an end item (e.g., vehicle). For Government vehicles, trailers, wheeled guns, and aircraft	5	Basic Issue Item (BII), 00-99	AN	The first three characters are always “BII”. The number of sets is given in positions 4 and 5. DoD 4500-9-R, Part II, Figure CC-2-9
BEAM_ASSEMBLIES	CONTAINERIZED- TRANSPORTATION-UNIT BEAM ASSEMBLY QUANTITY	The quantity of beam assemblies used inside a MILVAN	2		N	DoD 4500.9-R, Part II, Figure CC-2-14
BLDG_ACT	LOCATION IDENTIFIER	DoD Activity Address Code (DoDAAC) of the activity that built the pallet or loaded the consolidation container	6	DoD 4000.25-6-M	AN	DoD 4500-9-R, Part II, Appendix Y
BLOOD_TYPE	(Not found in DDDS)	Passenger’s blood type	3	A-, A+, O-, AB-, B-, B+, O+, AB+, UNK	X	TC-AIMS II data element
CARD_TYPE	(Not found in DDDS)	Type of transaction for a unit equipment list	1	‘A’ = Header and Strength Data; ‘B’ = ISR Departure Record Format	A	FORSCOM Reg. 55-2, Chap 5
CARDCD	(Not found in DDDS)	Identifies the end of a transaction in a COMPASS report	1	9	N	FORSCOM Reg. 55-2, Chap 5
CARGO_HT	AIR-CARGO-LOAD-UNIT HEIGHT DIMENSION	Height of a cargo item in inches	3	001-999	N	DoD 4500-9-R, Part II, Figure CC-2-9
CARGO_LOC	PALLETIZED- TRANSPORTATION-UNIT LOCAL GRID LOCATION IDENTIFIER	Local bay/grid location of cargo	4		X	TC-AIMS II data element
CARGO_LTH	AIR-CARGO-LOAD-UNIT LENGTH DIMENSION	Length of a cargo item in inches	5	00001-99999	N	Only for cargo when a dimension > 72 inches. DoD 4500.9-R, Part II, Figure CC-2-9
CARGO_WTH	(Not found in DDDS)	Width of a cargo item in inches	3	001-999	N	DoD 4500-9-R, Part II, Figure CC-2-9
CARRIER_CD	ORGANIZATION IDENTIFIER	The carrier code for the carrier moving the cargo	4	DoD 4500.9-R, Part II, Appendix EE-5	X	DoD 4500.9-R, Part II

Table 3-3. GTN–TC-AIMS II Data Definitions. (cont’d)

TC-AIMS II Data Element Name	DoD Standard Element Name	Description	Field Length	Limits/Ranges	Legal Check	Comments
CARRIER_CD (TAA)	ORGANIZATION IDENTIFIER	Code that identifies the commercial or military carrier	5	Directory of Standard-Multi Modal Carrier and Tariff Agent Codes, AMC, GOVT	X	AR 55-355, precede the carrier abbreviation with zeros
CARRIER_ID_CODE	ORGANIZATION IDENTIFIER	Code that identifies the commercial or military carrier	4	Directory of Standard-Multi Modal Carrier and Tariff Agent Codes, AMC, GOVT	SAN	AR 55-355
CARRIER_NAME	ORGANIZATION-NAME TEXT	Clear text name of the carrier or organization providing the move	40		X	AR 55-355
CHALK_NUMBER	(Not found in DDDS)	Load number assigned to the shipment unit	3		N	For air movement only. TC-AIMS II data element
CHECK_DIGIT	SEAVAN-CONTAINER CHECK DIGIT IDENTIFIER	The single character that is part of the van identifying number	1		AN	DoD 4500.9-R, Part II, Figure CC-2-14
CIC	(Not found in DDDS)	Content Indicator Code (CIC). Identifies one of the Armies or participation in an exercise	4	AGCA = First U.S. Army, East; AJFB = First U.S. Army, Mid-West; AJFA = Second U.S. Army; AGCB = Fifth U.S. Army; AGCC = Sixth U.S. Army; AJFC = Participating in Exercise; tttt = Informational	A	FORSCOM 55-2, Paragraph 3-2
CLASS_DIV	(Not found in DDDS)	United Nations (UN) classification number for a hazardous item	2	Title 49 CFR	X	Title 49 CFR. DoD 4500-9-R, Part II, Figure CC-2-10
CLR_TXT_DEST	(Not found in DDDS)	Literal spelling of destination location	15		X	TC-AIMS II data element
CLR_TXT_DEST(TAT)	(Not found in DDDS)	Literal spelling of destination location	22		X	TC-AIMS II data element
COMPATIBILITY_GP	(Not found in DDDS)	The compatibility group code from International Movement of Dangerous Goods and Cargo (IMDGC)	1	Title 49 CFR	AN	Title 49 CFR, 172.102. DoD 4500-9-R, Part II, Figure CC-2-5

Table 3-3. GTN–TC-AIMS II Data Definitions. (cont’d)

TC-AIMS II Data Element Name	DoD Standard Element Name	Description	Field Length	Limits/Ranges	Legal Check	Comments
CONFIG_CD	PALLETIZED-TRANSPORTATION-UNIT CARGO CONFIGURATION CODE	Provides detail about pallet configuration	2	“BC” = belly cargo, “PC” = palletized cargo, “RS” = rolling stock, “SD” = cargo on skid, “LS” = loose cargo, “T#” = pallet train where # indicates number of pallets in the train, 2-9	AN	DoD 4500-9-R, Part II, Figure 203-12
CONSIGNEE	LOCATION IDENTIFIER	DoDAAC or Military Assistance Program Address Code (MAPAC) of consignee	6	DoD 4000.25-6-M DoD 4000.25-8-M	SAN	May also contain MAPAC or service code followed by “00000”. DoD 4500-9-R, Part II, Figure CC-2-5
CONSIGNEE_QTY	(Not found in DDDS)	A code to indicate if there is more than one consignee for the items in the consolidation container	1	S = single; M = multiple; C = multiple via central distribution; 1-9 to indicate number of consignees	AN	DoD 4500-9-R, Part II, Figure CC-2-5
CONSIGNOR	LOCATION IDENTIFIER	DoDAAC or MAPAC of consignor	6	DoD 4000.25-6-M DoD 4000.25-8-M	SAN	May also contain MAPAC or service code followed by “00000”. DoD 4500-9-R, Part II, Figure CC-2-5
CONSTANT	(Not found in DDDS)	Identifies which ITO sent the record to GTN	4	ZZZZ	A	TC-AIMS II data element
CONT_QTY	(Not found in DDDS)	Quantity of the piece(s) being shipped by container	4	Uses numerics. May use alpha letters A-R and W and space, “-”, or “&” when number exceeds length of the data field	C	DoD 4500-9-R, Ch 203, Paragraph D7a and D7d
CONT_TOT_SU	(Not found in DDDS)	Number of shipment units in the consolidation container	2	XX or 01-99	AN	DoD 4500-9-R, Part II, Figure CXC-2-4 and 5

Table 3-3. GTN–TC-AIMS II Data Definitions. (cont’d)

TC-AIMS II Data Element Name	DoD Standard Element Name	Description	Field Length	Limits/Ranges	Legal Check	Comments
CONT_TOT_WT	(Not found in DDDS)	Weight of the container’s contents, including the weight of the container. Except when the container is a SEAVAN, it is the weight of the contents	5	Uses numerics. May use alpha letters A-R and W and space, “-”, or “&” when number exceeds length of the data field	C	DoD 4500.9-R, Part II, Figure CC-2-4 and 5
CONT_TRL_NBR	TRANSPORTATION-EQUIPMENT IDENTIFIER	An identifier for a consolidation container	5	DoD 4500.9-R, Part II, Appendix EE-3	AN	DoD 4500.9-R, Part II, Figure CC-2-2
CONT_TRL_NBR(SUB)	TRANSPORTATION-EQUIPMENT IDENTIFIER	The identifier of the consolidation container loaded inside another consolidation container	6	DoD 4500.9-R, Part II, Appendix EE-3	SAN	DoD 4500.9-R, Part II, Figure CC-2-2. Consolidation container number is followed by a space
COUNT	(Not found in DDDS)	Number of rounds in an ammunition cargo item	6	1-999999, M	SAN	Total round count. Numbers followed by M indicates thousands of rounds. DoD 4500-9-R, Part II, Figure CC-2-10
COUNTER	(Not found in DDDS)	This count indicates the number of pieces that have resulted from the communications script taking the original UEL (COMPASS) transmission and breaking it down into smaller pieces prior to transmission. There isn’t an upper limit to the counter	999999		X	TC-AIMS II data element
CREATED_BY	(Not found in DDDS)	System operator who created the manifest	7		X	TC-AIMS II data element
CTR_BAL	SHIPMENT-UNIT-PIECE CENTER OF BALANCE DIMENSION; PALLETIZED-TRANSPORTATION-UNIT CENTER OF BALANCE DIMENSION	This indicates the center of balance of pallet or pallet train	3	1-999	SN	DoD 4500-9-R, Part II, Figure 203-12
DASH	(Not found in DDDS)	The hyphen between the van number and the check digit	1	“-”	X	Always “-”. DoD 4500.9-R, Part II, Figure CC-2-14

Table 3-3. GTN–TC-AIMS II Data Definitions. (cont’d)

TC-AIMS II Data Element Name	DoD Standard Element Name	Description	Field Length	Limits/Ranges	Legal Check	Comments
DATE_CONF_COMP	(Not found in DDDS)	Year, month, and day cargo was configured	8	YYYYMMDD	N	DoD 4500.9-R, Part II, Figure 203-12
DATE_OLD_PC	(Not found in DDDS)	Year, month, and day of oldest piece of cargo	8	YYYYMMDD	N	DoD 4500.9-R, Part II, Figure 203-12
DATE_PROC	(Not found in DDDS)	Year, month, and day cargo was processed by the system	8	YYYYMMDD	N	DoD 4500.9-R, Part II, Figure 203-12
DATE_RCVD	BASIC-SHIPMENT-UNIT-FACILITY RECEIPT DATE	Julian date received. Part of system generated van or container number	2	JJ	N	TC-AIMS II data element
DATE_SHIP	BASIC-SHIPMENT-UNIT-FACILITY SHIP DATE	Year, month, and day cargo/pallet was shipped from the Port of Embarkation (POE)	8	YYYYMMDD	N	DoD 4500.9-R, Part II, Figure 203-14
DEST_CITY	(Not found in DDDS)	Destination city of the conveyance	20		X	AR 55-355, Chapter A7-16
DEST_STATE	(Not found in DDDS)	State or country code of the destination of the conveyance	2		A	AR 55-355, Chapter A7-16
DOC_ID	(Not found in DDDS)	Document Identification. Identifies the type of data record	3	DoD 4500.9-R, Part II, Appendix DD-5	AN	DoD 4500.9-R, Part II, Appendix CC-2
DODAAC	ORGANIZATION IDENTIFIER	DoDAAC of the stopoff to be made by the MILVAN/SEAVAN/REEFER	6	DoD 4500.25-6-M	SAN	DoD 4500.9-R, Part II, Appendix Y
DODIC	(Not found in DDDS)	DoD Identification Code. Assigned to items of supply in Federal Supply Group (FSG) 13 and 14	4	Federal Logistics Information System Manual DoD 4100.39-M	SAN	DoD 4500.9-R, Part II, Figure CC-2-10
ECH_STRENGTH	(Not found in DDDS)	Number of personnel associated with an overall echelon	4	0000-9999	N	FORSCOM Reg. 55-2, Chapter 5
ECHELON_NBR	(Not found in DDDS)	A number that identifies an echelon as assigned by the unit	2		N	FORSCOM Reg. 55-2, Chapter 5
ECR.EQUIPTYP	(Not found in DDDS)	Code that identifies the type of military unit equipment	1	FORSCOM REG 55-2, Table 5-6	AN	FORSCOM Reg. 55-2, Chapter 5
EQ_PALL_POS	SHIPMENT-UNIT EQUIVALENT PALLET POSITION QUANTITY	This indicates the equivalent number of pallet positions used by the cargo	2	01-99	N	A decimal point is implied between the two numbers entered in the field. DoD 4500-9-R, Part II, Figure 203-12

Table 3-3. GTN–TC-AIMS II Data Definitions. (cont’d)

TC-AIMS II Data Element Name	DoD Standard Element Name	Description	Field Length	Limits/Ranges	Legal Check	Comments
EQUIPLST.CUFTLOAD	SHIPMENT-UNIT VOLUME	Cubic feet of the load item	7	0000000-9999999	N	AR 55-355
EQUIPLST.DATATYPE	(Not found in DDDS)	Type Data Code used to identify this unit move	2	Left justified	SAN	FORSCOM Reg. 55-2, Chapter 5
EQUIPLST.ECH_ULN	(Not found in DDDS)	Identifier for a grouping of forces and their equipment for deployment	7		SAN	FORSCOM Reg. 55-2, Chapter 5
EQUIPLST.ECH_ULN (ECH)	(Not found in DDDS)	Echelon is the movement group the unit equipment and or personnel are assigned to by the unit. There can be multiple echelons within a Unit Line Number (ULN)	2		SAN	FORSCOM Reg. 55-2, Chapter 5
EQUIPLST.EQUIPDES	MATERIEL-ITEM DESCRIPTION TEXT	Text description. Normally matches the description in TB 55-46-1 but doesn't have to	15		X	FORSCOM Reg. 55-2, Chapter 5
EQUIPLST.HEIGHT	SHIPMENT-UNIT-PIECE HEIGHT DIMENSION	Height of the item in inches	4	0000-9999	N	FORSCOM Reg. 55-2, Chapter 5
EQUIPLST.LIN	(Not found in DDDS)	Line Item Number (LIN) assigned to a specific piece of equipment	6	TB 55-46-1	AN	The LIN is found in TB 55-A6-1 and FORSCOM Reg. 55-2, Chapter 5
EQUIPLST.LININDEX	(Not found in DDDS)	Index further identifies a type of equipment within the LIN	2	00-99, AA-ZZ	AN	FORSCOM Reg. 55-2, Chapter 5
EQUIPLST.LNGTH	SHIPMENT-UNIT-PIECE LENGTH DIMENSION	Length of the item in inches	5	00000-99999	N	FORSCOM Reg. 55-2, Chapter 5
EQUIPLST.MPE	BASIC-SHIPMENT-UNIT-FACILITY TRANSPORTATION MODE CODE	Mode to Port of Embarkation (MPOE)	1	Codes A, E, F, K, O, W, 1, 2, 9 listed in FORSCOM Reg. 55-2, Table 5-4	AN	FORSCOM Reg. 55-2, Chapter 5
EQUIPLST.PACK	SHIPMENT-UNIT TYPE PACK CODE	Type pack code identifies the type of packing associated with the item being shipped	2	FORSCOM Reg., Table 5-5	AN	FORSCOM Reg. 55-2, Chapter 5
EQUIPLST.SHC	WATER-SPECIAL-HANDLING CODE	Identifies the specific special handling a commodity requires as a result of its size or need for security	1	FORSCOM Reg. 55-2, Table 5-3. DoD 4500-9-R, Part II, App D-13	AN	FORSCOM Reg. 55-2, Chapter 5

Table 3-3. GTN–TC-AIMS II Data Definitions. (cont’d)

TC-AIMS II Data Element Name	DoD Standard Element Name	Description	Field Length	Limits/Ranges	Legal Check	Comments
EQUIPLST.SUN	(Not found in DDDS)	An identifier for a piece of equipment/cargo belonging to a Unit Identification Code (UIC) in association with a specific Type Data Code	4	0001-9999	N	The Record Type plus the Unit Entry Number combine to create the Shipment Unit Number (SUN). The first position is alphabetic and the last four (the SUN) are numerics. FORSCOM Reg. 55-2, Chapter 5
EQUIPLST.SUN(CARD)	(Not found in DDDS)	An alpha character that identifies the type of UEL record	1	‘D’ = Vehicle Data; ‘E’ = Vehicle Load Data; ‘F’ = Special Handling Cargo Data; ‘G’ = Special Handling Cargo Load Data	A	FORSCOM Reg. 55-2, Chapter 5
EQUIPLST.TCC	WATER-TYPE-CARGO CODE	Type Cargo Code (TCC). Code for flammable, explosive, or hazardous cargo	1	FORSCOM Reg. 55-2, Table 5-2. DoD 4500-9-R, Part II, App DD-15	A	FORSCOM Reg. 55-2, Chapter 5
EQUIPLST.UIC	ORGANIZATION IDENTIFIER	UIC of the reporting unit	6		AN	No Os. FORSCOM Reg. 55-2, Chapter 5
EQUIPLST.VEHLDIND	(Not found in DDDS)	A code to indicate whether the item is a load or not a load	1	1 indicates the item is a load. 0 indicates the item is not a load	N	FORSCOM Reg. 55-2, Chapter 5
EQUIPLST.WAIVER	(Not found in DDDS)	A code to indicate that the cargo item has one or more dimensions that are not according to the maximum and minimum limits in TB 55-46-1	1	“X”, “R”, or “ ”	SA	FORSCOM Reg. 55-2, Chapter 5
EQUIPLST.WIDTH	SHIPMENT-UNIT-PIECE WIDTH DIMENSION	Width of the item in inches	5	00000-99999	N	FORSCOM Reg. 55-2, Chapter 5
EQUIPLST.WTACT	SHIPMENT-UNIT-PIECE WEIGHT	Actual weight of the item in pounds	7	0000000-9999999	N	FORSCOM Reg. 55-2, Chapter 5
EQUIPLST.WTPLAN	SHIPMENT-UNIT-PIECE WEIGHT	The planned weight for a shipment unit	6	0000000-9999999	N	FORSCOM Reg. 55-2, Chapter 5
EQUIPLST_SUN (ISR)	(Not found in DDDS)	The shipment unit number assigned in the ISR departure transaction	5	D, E, F, G, 0001-9999	AN	TC-AIMS II data element

Table 3-3. GTN–TC-AIMS II Data Definitions. (cont’d)

TC-AIMS II Data Element Name	DoD Standard Element Name	Description	Field Length	Limits/Ranges	Legal Check	Comments
ETA	(Not found in DDDS)	Estimated Time of Arrival (ETA) at the port of debarkation	14	DDHHMMZMMMYYY Y	AN	FORSCOM Reg. 55-2, Chapter 5
FAHRENHEIT	TRANSPORTATION-EQUIPMENT MAXIMUM TEMPERATURE	The degrees associated with a reefer van. Indicates single temperature or a range	5		AN	The first position is always “F”. The next two positions indicate the temperature for the container. If four numerics are entered after the “F”, this indicates a temperature range. DoD 4500.9-R, Part II, Figure CC-2-4
FILLER1	(NOT USED BY GTN)	Spaces or data not used by GTN	1		X	TC-AIMS II data element
FILLER15	(NOT USED BY GTN)	Spaces or data not used by GTN	15		X	TC-AIMS II data element
FILLER2	(NOT USED BY GTN)	Spaces or data not used by GTN	2		X	TC-AIMS II data element
FILLER3	(NOT USED BY GTN)	Spaces or data not used by GTN	3		X	TC-AIMS II data element
FILLER4	(NOT USED BY GTN)	Spaces or data not used by GTN	4		X	TC-AIMS II data element
FILLER5	(NOT USED BY GTN)	Spaces or data not used by GTN	5		X	TC-AIMS II data element
FILLER56	(NOT USED BY GTN)	Spaces or data not used by GTN	56		X	TC-AIMS II data element
FILLER6	(NOT USED BY GTN)	Spaces or data not used by GTN	6		X	TC-AIMS II data element
FILLER9	(NOT USED BY GTN)	Spaces or data not used by GTN	9		X	TC-AIMS II data element
FLT_ARR_DATE	AIR-TRANSPORT-MISSION-SET-POINT ACTUAL ARRIVE DATE	Year, month, and day flight arrived at POD	8	YYYYMMDD	N	TC-AIMS II data element
FLT_ARR_HR	AIR-TRANSPORT-MISSION-SET-POINT ACTUAL ARRIVE TIME	Hour flight arrived at POD	1	DoD 4500.9-R, Part II, Appendix EE-12	A	DoD 4500.9-R, Part II, Figure 203-11. Omit “I” and “O”
FLT_DEP_DATE	AIR-TRANSPORT-MISSION-SET-POINT ACTUAL DEPART DATE	Year, month, and day flight departed POE	8	YYYYMMDD	N	TC-AIMS II data element
FLT_DEP_HR	AIR-TRANSPORT-MISSION-SET-POINT ACTUAL DEPART TIME	Hour flight departed POE	1	DoD 4500.9-R, Part II, Appendix EE-12	A	DoD 4500.9-R, Part II, Figure 203-11. Omit “I” and “O”

Table 3-3. GTN–TC-AIMS II Data Definitions. (cont’d)

TC-AIMS II Data Element Name	DoD Standard Element Name	Description	Field Length	Limits/Ranges	Legal Check	Comments
GBL_NBR	LADING-BILL IDENTIFIER	Number used to identify a Government Bill of Lading (GBL)	8		AN	AR 55-355
GEOLOC	GEOLOCATION CODE	Geographical Location Code (GEOLOC) for a specific Longitude and Latitude location	4		AN	TC-AIMS II data element
GOVT_DUNNAGE	(Not found in DDDS)	For the original ocean manifest: “NODUN” indicates that Government dunnage/lashing gear was not used. For a supplemental manifest: the code indicates the type of adjustment and the date of the adjustment	5	“NODUN” or code plus Julian year/day for other types of manifests as follows; “S” = Supplemental, “D” = Deletion, “C” = Correction	AN	DoD 4500.9-R, Part II, Chapter 3, Paragraph E.6.d and Figure 203-14
H_CONSTANT	(Not found in DDDS)	Character to identify height	1	H	A	Follows the numerics for height of cargo/piece. DoD 4500-9-R, Part II, Figure CC-2-9
HEADER_IND	(Not found in DDDS)	Code that identifies the data as the header information for a COMPASS report	6	XXXXXX	A	TC-AIMS II data element
HOST_NATION_ID	(Not found in DDDS)	Identification (ID) for individual who does not have a Social Security Number (SSN)	15		AN	TC-AIMS II data element
HR_OLD_PC	(Not found in DDDS)	Hour of oldest piece of cargo on the pallet. The oldest piece has been at the POE the longest	1	DoD 4500.9-R, Part II, Appendix EE-4	A	Letters “I” and “O” omitted. TC-AIMS II data element
HR_PROC	(Not found in DDDS)	Hour cargo processed by the system	1	DoD 4500.9-R, Part II, Appendix EE-4	A	Letters “I” and “O” omitted. TC-AIMS II data element
HR_RCVD	BASIC-SHIPMENT-UNIT-FACILITY RECEIPT TIME	Hour cargo received at the aerial port	1	DoD 4500.9-R, Part II, Appendix EE-4	A	Letters “I” and “O” omitted. TC-AIMS II data element
HR_SHIP	BASIC-SHIPMENT-UNIT-FACILITY SHIP TIME	Hour cargo/pallet shipped from the aerial port	1	DoD 4500.9-R, Part II, Appendix EE-4	A	Letters “I” and “O” omitted. TC-AIMS II data element
IDENT_NBR	(Not found in DDDS)	The identification number is from the IMDGC or other publication	4	Title 49 CFR	SAN	IMDGC is part of Title 49 CFR

Table 3-3. GTN–TC-AIMS II Data Definitions. (cont’d)

TC-AIMS II Data Element Name	DoD Standard Element Name	Description	Field Length	Limits/Ranges	Legal Check	Comments
IRCS	SHIP IRCS IDENTIFIER	International Radio Call Sign (IRCS) for vessel. For barges without an IRCS, it is the hull number	8	Military Sealift Command, Ships Table	X	DoD 4500.9-R, Figure 203-14
ITEM DESCRIPTION	(Not found in DDDS)	Plain text description of item	17		X	TC-AIMS II data element
L_CONSTANT	(Not found in DDDS)	Character to indicate length	1	L	A	Follows the numerics for length of cargo. DoD 4500-9-R, Part II, Figure CC-2-9
LIN	(Not found in DDDS)	A code used to identify a category of military equipment	6	TB 55-46-1	AN	TC-AIMS II data element—pending DTR approval
LOADING_ACTIVITY_DODAAC	ORGANIZATION IDENTIFIER	The DoDAAC of the organization that loaded the container	6	DoD 4000.25-6-M	SAN	DoD 4500.9-R, Part II, Appendix Y
LOT_NR	(Not found in DDDS)	This indicates the number assigned to the lot	14		X	DoD 4500-9-R, Part II, Figure CC-2-11
MESSAGE_NUMBER	(Not found in DDDS)	The sequence number of the transaction to assist in the sequential processing of the transactions	4		N	TC-AIMS II data element
MFST	(Not found in DDDS)	This indicates the beginning, middle, or end of a group of manifests	4	Four Spaces: ONLY, FRST, LAST	SA	When there are more than three manifests sent at the same time, the end manifest transaction (TZZ) of the first one contains “FRST”, the in between ones contain spaces, and the last one contains “LAST”. TC-AIMS II data element
MFST_CUBE	(Not found in DDDS)	A value indicating the total cubic feet of pallets and loose cargo on the manifest	5	1-99999	C	Uses numerics, alpha letters A-R and W. May contain space, “-”, or “&”. DoD 4500.9-R, Part II, Chapter 203, Paragraph D.7.d
MFST_NBR	AIR-MANIFEST IDENTIFIER	Last five digits of manifest number left zero filled, if necessary	5	May not be all zeros	SN	TC-AIMS II data element

Table 3-3. GTN–TC-AIMS II Data Definitions. (cont’d)

TC-AIMS II Data Element Name	DoD Standard Element Name	Description	Field Length	Limits/Ranges	Legal Check	Comments
MFST_REF	AIR-MANIFEST REFERENCE CODE	The manifest reference code ties manifest header with the detail records	2	DoD 4500.9-R, Part II, Appendix EE-1-1	A	For air manifests the reference code is ALWAYS double alpha. Letters “I” and “O” not used. AA...AH AJ...AN AP...AZ, BA = air manifests. DoD 4500-9-R, Part II, Figure 203-11
MFST_STN	FACILITY IDENTIFIER	Air terminal code for manifesting station	3	DoD 4500.9-R, Part II, Appendix DD-4	AN	DoD 4500-9-R, Part II, Figure 203-11
MFST_TYPE	AIR-MANIFEST CATEGORY CODE	Type of manifest	1	“C” for cargo or “M” for mail	A	DoD 4500-9-R, Part II, Figure 203-11
MFST_WT	AIR-CARGO-LOAD-UNIT WEIGHT	Total manifested weight of pallets and loose cargo, in pounds	6	Uses numerics. May use alpha letters A-R and W and space, “-”, or “&” when number exceeds length of the data field	C	DoD 4500.9-R, Part II, Chapter 203, Paragraph D.7.d
MILITARY_S_CODE	OCCUPATION IDENTIFIER	Passenger’s military job code	11		X	AMC Manual 24-102, Vol 1
MOD_CUBE	SHIPMENT-UNIT VOLUME	Cubic feet of shipment unit, pallet, or lot	4	Uses numerics. May use alpha letters A-R and W and space, “-”, or “&” when number exceeds length of the data field	C	DoD 4500.9-R, Part II, Chapter 203, Paragraph D.7.d
MOD_HGT	AIR-CARGO-LOAD-UNIT HEIGHT DIMENSION	Height of a pallet or shipment unit in inches	3	1-999	SN	DoD 4500-9-R, Part II, Figure CC-2-9
MOD_ID	(Not found in DDDS)	Pallet designator assigned by the building station. Combines with pallet serial number to uniquely identify the pallet	2	A-H, J-N, P-Z, 1-9	AN	Letters “I” and “O” and number “0” omitted. DoD 4500-9-R, Part II, Figure 203-13
MOD_PC	(Not found in DDDS)	The number of cargo pieces on a pallet or in a shipment unit or a lot	4	Uses numerics. May use alpha letters A-R and W and space, “-”, or “&” when number exceeds length of the data field	C	DoD 4500.9-R, Part II, Chapter 203, Paragraph D.7.d

Table 3-3. GTN–TC-AIMS II Data Definitions. (cont’d)

TC-AIMS II Data Element Name	DoD Standard Element Name	Description	Field Length	Limits/Ranges	Legal Check	Comments
MOD_TYPE_CARGO	(Not found in DDDS)	Flag to indicate if cargo requires special handling	1	“G” = general cargo; “S” = cargo requiring special handling; “M” = mixtures of G and S; U = mail	A	DoD 4500-9-R, Part II, Figure 203-12
MOD_WT	AIR-CARGO-LOAD-UNIT WEIGHT	Weight in pounds of pallet, shipment unit, or lot	5	Uses numerics. May use alpha letters A-R and W and space, “-”, or “&” when number exceeds length of the data field	C	DoD 4500-9-R, Part II, Chapter 203, Paragraph D.7.d
MODE	BASIC-SHIPMENT-UNIT-TRANSPORTATION CODE	Transportation mode of the conveyance	1	DoD 4500-9-R, Part II, Appendix DD-8	AN	DoD 4500-9-R, Part II, Figure CC-2-2
MODEL	GOVERNMENT-VEHICLE MODEL NAME	Vehicle type and model number	6		X	DoD 4500-9-R, Part II, Figure CC-2-9
MSN_ID	AIR-TRANSPORT-MISSION IDENTIFIER	Mission number assigned by aircraft controlling agency. Identifier for a leg being flown by an aircraft	12		X	AMC Manual 24-102, Vol 1
NEW	(Not found in DDDS)	The net weight of explosive material	6	000001-999999	C	DoD 4500-9-R, Part II, Figure CC-2-11
NOMENCLATURE	MATERIEL-ITEM DESCRIPTION TEXT	Description of the item	6		X	DoD 4500-9-R, Part II, Figure CC-2-9
NSN	MATERIEL-ITEM IDENTIFIER	National Stock Number (NSN). An identifying number for an item of material	13		SAN	Left justified value “NNSN” with space fill used to indicate no NSN exists for item. DoD 4500-9-R, Part II, Figure CC-2-10
ON_MODE	BASIC-SHIPMENT-UNIT-FACILITY TRANSPORTATION MODE CODE	In the TAB, the ON_MODE will be the mode of the current conveyance moving the pallet	1	DoD 4500-9-R, Part II, Appendix DD-8	AN	DoD 4500-9-R, Part II, Appendix CC-2
ORIGIN_CITY	(Not found in DDDS)	City of the origin of the conveyance	20		X	AR 55-355, Chapter A7-16
ORIGIN_STATE	(Not found in DDDS)	State or country code of the origin of the conveyance	2		A	AR 55-355, Chapter A7-16

Table 3-3. GTN–TC-AIMS II Data Definitions. (cont’d)

TC-AIMS II Data Element Name	DoD Standard Element Name	Description	Field Length	Limits/Ranges	Legal Check	Comments
OVRHNG_DIR	PALLETIZED-TRANSPORTATION-UNIT OVERHANG DIRECTION CODE	Indicating the direction where cargo overhangs the pallet	1	A = Aft, F = Fore, B = Both, or space = no overhang	SA	DoD 4500-9-R, Part II, Figure 203-12
PALLET_SER_NBR	PALLETIZED-TRANSPORTATION-UNIT IDENTIFIER	Serial number assigned by pallet loading activity other than the air terminal	3	1-999	SN	DoD 4500-9-R, Part II, Figure 203-12
PAX_CHANNEL_POD	LOCATION IDENTIFIER	Passenger’s ultimate POD	3		X	DoD 4500-9-R, Part II, Appendix DD-14
PAX_CHANNEL_POE	LOCATION IDENTIFIER	POE from which the passenger originated	3		X	DoD 4500-9-R, Part II, Appendix DD-14
PAX_GENDER	PERSON SEX CODE	Indicates if the passenger is male or female	1	M = Male and F = Female	A	TC-AIMS II data element
PAX_MAN_A_C_LOAD	(Not found in DDDS)	Number of seats for the passengers	3	1-999	SN	AMC Manual 24-102, Vol 1
PAX_MAN_ARRV_DATE	AIR-TRANSPORT-MISSION-SET-POINT PLANNED ARRIVE DATE	Planned arrival date of the conveyance at destination	7	YYYYJJJ	N	AR 55-355, Chapter A7-16. Four-digit year and the current Julian day
PAX_MAN_ARRV_TIME	AIR-TRANSPORT-MISSION-SET-POINT PLANNED ARRIVE TIME	Planned arrival time of the conveyance	4	HHMM	N	AR 55-355, Chapter A7-16
PAX_MAN_CAT_OF_SER	AIR-TRANSPORT-MISSION CATEGORY OF SERVICE	Category of service for AMC aircraft	1	AMC Manual 24-102, Vol 1, Attachment 11	A	AMC Manual 24-102, Vol 1
PAX_MAN_CONV_NUM	TRANSPORTATION-EQUIPMENT IDENTIFIER	Aircraft tail number or bus number of the conveyance	8		X	TC-AIMS II data element
PAX_MAN_DATE	(Not found in DDDS)	Date the manifest was created in the system	9	DDMMYYYY	AN	TC-AIMS II data element
PAX_MAN_DEPT_DATE	AIR-TRANSPORT-MISSION-SET-POINT ACTUAL DEPART DATE	Date conveyance departed	7	YYYYJJJ	N	Four-digit year and the current Julian day. TC-AIMS II data element
PAX_MAN_DEPT_TIME	AIR-TRANSPORT-MISSION-SET-POINT ACTUAL DEPART TIME	Time conveyance departed	4	HHMM	N	AMC Manual 24-102, Vol 1

Table 3-3. GTN–TC-AIMS II Data Definitions. (cont’d)

TC-AIMS II Data Element Name	DoD Standard Element Name	Description	Field Length	Limits/Ranges	Legal Check	Comments
PAX_MAN_MISSION_ID	AIR-TRANSPORT-MISSION IDENTIFIER	A unique identifier related to the movement of the passengers documented by the manifest	12		X	AMC Manual 24-102, Vol 1
PAX_MAN_MODE	TRANSPORTATION MODE	Transportation mode of the conveyance on which the passengers are manifested	1	DoD 4500.9-R, Part II, Appendix DD-8	A	DoD 4500.9-R, Part II, Figure CC-2-2
PAX_MAN_TYPE_CONV	AIR-TRANSPORT MODEL IDENTIFIER, AIR-TRANSPORT SERIES IDENTIFIER, TRANSPORTATION-EQUIPMENT-TYPE CODE	Model/series for conveyance assigned to the manifest (aircraft, bus type, etc.)	5		X	TC-AIMS II data element
PAX_MANIFEST_ID	(Not found in DDDS)	Station-unique identifier for the manifest	14		X	TC-AIMS II data element
PAX_NAME	PERSON-NAME TEXT	Passenger’s name that includes Last Name, First Initial, and Middle Initial	27		X	Last Name, First Initial, Middle Initial. TC-AIMS II data element
PAX_NO_OF_BAGS	(Not found in DDDS)	Total number of bags for the passenger	1	0-9	N	AR 55 355, Chapter A7-16
PAX_RES_ID_CODE	SPACE-REQUIRED-REQUEST-EVENT IDENTIFIER	Reservation identification code	9		X	AMC Manual 24-102, Vol 1
PAX_SEQUENCE_NO	AIR-PASSENGER-RESERVATION BOARDING PASS IDENTIFIER	Passenger’s sequence number, boarding pass, or seat number	3		X	AMC Manual 24-102, Vol 1
PAX_UIC	ORGANIZATION IDENTIFIER	UIC of the unit the passenger is assigned to	6		X	AR 55-355, Chapter A7-16
PAX_UIC_NAME	ORGANIZATION-NAME TEXT	In the clear name of the unit	30		X	AR 55-355, Chapter A7-16
PAX_ULN_UIC_PIN	PERSON-ORGANIZATION IDENTIFIER	UIC or ULN to which the passenger is assigned	7		X	AR 55 355, Chapter A7-16
PAX_WEIGHT_BODY	(Not found in DDDS)	Passenger’s weight, clothed, in pounds	3	001-500	N	TC-AIMS II data element

Table 3-3. GTN–TC-AIMS II Data Definitions. (cont’d)

TC-AIMS II Data Element Name	DoD Standard Element Name	Description	Field Length	Limits/Ranges	Legal Check	Comments
PER_PROP_CD	PERSONAL-PROPERTY-SHIPMENT-UNIT SERVICE TYPE CODE	Indicates cargo is palletized personal property	1	B = Personal Bag, H = HHG, J = Personal Bag - ITGBL, K = HHG - ITGBL, P = POV, T = HHG, or " "(space)	SA	DoD 4500-9-R, Part II, Figure CC-2-12
POD	FACILITY IDENTIFIER	Port of debarkation of the conveyance	3		AN	DoD 4500-9-R, Part II, Appendix DD-14
POE	FACILITY IDENTIFIER	Port of embarkation of the conveyance	3		AN	DoD 4500-9-R, Part II, Appendix DD-14
PORT_TIME_ZULU	(Not found in DDDS)	Year, month, date, and time the aircraft lifted	12	YYYYMMDDHHMM	N	TC-AIMS II data element
PR_DOC_CUBE	SHIPMENT-UNIT VOLUME	Size of primary document item in cubic feet	4	Uses numerics. May use alpha letters A-R and W and space, "-", or "&" when number exceeds length of the data field	C	DoD 4500-9-R, Part II, Chapter 203, Paragraph D.7.d
PR_DOC_PC	(Not found in DDDS)	Pieces of cargo that meet the primary document items dimensions	4	Uses numerics. May use alpha letters A-R and W and space, "-", or "&" when number exceeds length of the data field	C	DoD 4500-9-R, Part II, Chapter 203, Paragraph D.7.d
PR_DOC_WT	AIR-CARGO-LOAD-UNIT WEIGHT	Primary document cargo item weight in pounds	5	Uses numerics. May use alpha letters A-R and W and space, "-", or "&" when number exceeds length of the data field	C	DoD 4500-9-R, Part II, Chapter 203, Paragraph D.7.d
PRIORITY	BASIC-SHIPMENT-UNIT TRANSPORTATION PRIORITY CODE	General transportation priority class of cargo	1	1,2,3,4, or blank	SN	Zero not valid. DoD 4500-9-R, Part II, Chapter 203, Figure 203-1 and Appendix CC-10
PROJECT	LOGISTICS-EVENT PROJECT IDENTIFIER	Unique code associated with a particular event, project, operation, or exercise	3	DoD 4000.25-M, Vol 1, Appendix B13	X	DoD 4500-9-R, Part II, Chapter 203, Paragraph D4

Table 3-3. GTN–TC-AIMS II Data Definitions. (cont’d)

TC-AIMS II Data Element Name	DoD Standard Element Name	Description	Field Length	Limits/Ranges	Legal Check	Comments
PROT_CGO_CD	(Not found in DDDS)	Code to identify the shipment unit is protected cargo	1	DoD 4500-9-R, Part II, Appendix DD-1	AN	DoD 4500-9-R, Part II
RANK_CODE	UNIFORMED-SERVICE-RANK SHORT NAME	Abbreviation for military or civilian title	3	AMC Manual 24-102, Vol 1, Attachment 5	X	AMC Manual 24-102, Vol 1
RANK_SERVICE_CODE	UNIFORMED-SERVICE-ORGANIZATION CODE	Branch of service the person is assigned to or associated with	2	AMC Manual 24-102, Vol 1, Attachment 9	SA	AMC Manual 24-102, Vol 1
RDD	REQUISITION-DETAIL REQUIRED DELIVERY DAY IDENTIFIER	Required Delivery Date (RDD) or transportation expedite code. The RDD is a calendar day that specifies when material is required to be delivered. It may also be a code for expedited transportation	3	4500.9-R, Part II, Appendix CC-10, DoD 4000.25-1-M, App B14	AN	DoD 4500-9-R, Part II, Chapter 203, Paragraph D3
RDD_CONT	(Not found in DDDS)	The earliest delivery date of any of the shipment units in the container	3	4500.9-R, Part II, Appendix CC-10, DoD 4000.25-1-M, App B14	AN	DoD 4500-9-R, Part II, Chapter 203, Paragraph D3
RECORD_TYPE	(Not found in DDDS)	Code for a Transaction Header record	1	“C”	A	FORSCOM Reg 55-2, Chapter 5
REMARKS_TEXT	SHIPMENT-UNIT REMARKS TEXT	Additional information about a shipment unit	26		X	Free text field. TC-AIMS II data element
REMARKS_TEXT21	SHIPMENT-UNIT REMARKS TEXT	Additional information relative to the voyage documented in the associated TAJ	21		X	Free text field. TC-AIMS II data element
REMARKS_TXT(9)	SHIPMENT-UNIT REMARKS TEXT	Additional information about a shipment unit	9		X	Free text field. TC-AIMS II data element
SAIL_DATE	(Not found in DDDS)	Date of lift from the POE	4	YJJJ	N	TC-AIMS II data element
SCHED_ORIGIN_DAY	AIR-TRANSPORT-MISSION-SET-POINT PLANNED DEPART DATE	Scheduled origination day. Original planned day of operation associated with the manifest	3	JJJ	N	TC-AIMS II data element
SEAL_NBR	TRANSPORTATION-EQUIPMENT-SEAL IDENTIFIER	The identifying number of the seal used on the door of the closed container	8		X	DoD 4500-9-R, Part II, Figure CC-2-14

Table 3-3. GTN–TC-AIMS II Data Definitions. (cont’d)

TC-AIMS II Data Element Name	DoD Standard Element Name	Description	Field Length	Limits/Ranges	Legal Check	Comments
SEAVAN/MILVAN_OWN_CD	(Not found in DDDS)	A code that identifies the owner of the container regardless of who moves it	4	DoD 4500-9-R, Part II, Appendix EE-6	SAN	DoD 4500-9-R, Part II, Appendix EE-6
SENDER	(Not found in DDDS)	Identifies the E-mail address of the installation that is sending the COMPASS data	99999		X	TC-AIMS II data element. Not a fixed length data element
SEQ_IND	(Not found in DDDS)	An alpha character assigned sequentially to each stopoff trailer TCMD, of the same type, for the same shipment unit	1	A-Z	A	DoD 4500-9-R, Part II, Figure CC-2-15
SEQ_NBR	(Not found in DDDS)	A number or letter assigned sequentially to each trailer TCMD, of the same type, for the same shipment unit	1	1-9, A-Z	AN	DoD 4500-9-R, Part II, Figure CC-2-14
SERIAL_NBR	MATERIEL-SERIALIZED-ASSET IDENTIFIER	Number associated with a specific Government vehicle/trailer	13		X	DoD 4500-9-R, Part II, Figure CC-2-14, Note 7
SHDR_OUT.CARSUM	TRANSPORTATION-EQUIPMENT IDENTIFIER	Identifying number of the conveyance associated with the departing cargo. Could be the convoy clearance number	15		X	FORSCOM Reg 55-2, Chapter 5
SHDR_OUT.MPOE	BASIC-SHIPMENT-UNIT-FACILITY TRANSPORTATION MODE CODE	The mode of the departing cargo	1		A	FORSCOM Reg 55-2, Chapter 5
SHDR_OUT.PAX	TRANSPORT-MISSION-LOAD PASSENGER COUNT QUANTITY	Number of passengers departing	5		SN	FORSCOM Reg 55-2, Chapter 5
SHDR_OUT.SC_DATE	(Not found in DDDS)	Date time group of the departure of the cargo being reported	14	DDHHMMZMMMYYYY Y	AN	FORSCOM Reg 55-2, Chapter 5
SHDR_OUT.TRAINASS OR	TRANSPORTATION-EQUIPMENT IDENTIFIER	Identifying number of a train carrying the departing cargo	15		X	FORSCOM Reg 55-2, Chapter 5
SITE_ID	(Not found in DDDS)	Site Address of Transmission	50	<name>@<host>.army. mil	X	TC-AIMS II data element

Table 3-3. GTN–TC-AIMS II Data Definitions. (cont’d)

TC-AIMS II Data Element Name	DoD Standard Element Name	Description	Field Length	Limits/Ranges	Legal Check	Comments
SPC_DUTY_IND	(Not found in DDDS)	Identifies a special duty responsibility of the passenger	2	TC = Troop Commander, CC = Cargo Courier, CO = Courier, SC = Super Cargo	A	TC-AIMS II data element
SPC_PAX_CAT_CODE	(Not found in DDDS)	Identifies the category in which the passenger is traveling	1	AMC Manual 24-102, Vol 1, Attachment 6	A	AMC Manual 24-102, Vol 1
SPEC_PRTY	SHIPMENT-UNIT GREENSHEET CODE	Special priority assigned to cargo moving by air	1	E = Anticipated NMCS, F = FSS, G = Green Sheet, N = NMCS/CASREP, 4 = 444, 5 = 555, 7 = 777, 9 = 999	AN	DoD 4500.32-R, Vol 1, Figure 3-C-2
SSN_PERSON_ID	PERSON IDENTIFIER	Passenger’s SSN, if available, or a passport number	9		X	AMC Manual 24-102, Vol 1
STATUS	(Not found in DDDS)	The MSC code that identifies the type of shipping and payment for a particular voyage while the terms of carriage code are used for statistical summaries, contractor payments, cost accounting, vessel operator billing, and related financial purposes	2		AN	DoD 4500.32-R, Vol 1, Figure 3-C-4
STOP_OFF_LOC	ORGANIZATION IDENTIFIER	DoDAAC for the location of the stopoff	6	DoD 4000.25-6-M	X	DoD 4500.9-R, Part II, Appendix Y
STOP_OFF_NBR	SHIPMENT-UNIT STOPOFF CODE	Number of the stop made by a consolidation container at which the shipment unit is taken out of the consolidation container	6	STOP and 00-99	AN	First four positions are always “STOP”. The last two indicate the stop number. DoD 4500.9-R, Part II, Figure CC-2-15
STOPOFF_DELIVERY_CODE	(Not found in DDDS)	A code to indicate the association between a shipment/transportation unit and the stopoffs made by the consolidation container	1	X, Z, 1-9	AN	DoD 4500.9-R, Part II, Figures CC-2-7 and CC-2-8
STOW_LOC	STOW-UNIT IDENTIFIER	Vessel Stowage Location. Location on board a vessel where a cargo item is located while being transported	4	DoD 4500.9-R, Part II, Appendix EE-8	AN	DoD 4500.9-R, Part II, Chapter 203, Paragraph E

Table 3-3. GTN–TC-AIMS II Data Definitions. (cont’d)

TC-AIMS II Data Element Name	DoD Standard Element Name	Description	Field Length	Limits/Ranges	Legal Check	Comments
SUBMISSION_DATE	(Not found in DDDS)	Date the report was sent	9	DDMMYYYY	AN	TC-AIMS II data element
SYSTEM_TIME_LOCAL	(Not found in DDDS)	System Time Local	11	YYYYJJHHMM	N	Date in format where YYYY is year of century, JJJ is day of year, HH is hour of day, and MM is minute of hour. TC-AIMS II data element
T21MISSIONID	AIR-TRANSPORT-MISSION IDENTIFIER	Mission number assigned by aircraft controlling agency	12		X	TC-AIMS II data element
TAC	TRANSPORTATION ACCOUNT CODE	Transportation account code which identifies the appropriate Service, Agency, or contractor account to be charged for transportation	4		AN	DoD 4500-9-R, Part II, Chapter 203, Paragraph D.14
TCN	SHIPMENT-UNIT IDENTIFIER; TRANSPORTATION-UNIT IDENTIFIER	Transportation control number. Number assigned to the Shipment Unit for control from origin to ultimate consignee	17	DoD 4500.9-R, Part II, Appendix CC-1	TCN	May include the special character "\$". DoD 4500-9-R, Part II, Chapter 203, Paragraph 6
TCN_CONT	TRANSPORTATION-UNIT IDENTIFIER	Transportation control number of the container	17	DoD 4500.9-R, Part II, Appendix CC-1	TCN	May include the special character "\$". DoD 4500-9-R, Part II, Chapter 203, Paragraph 6
TIEDOWN	(Not found in DDDS)	Indicating cargo tiedown types used in aircraft	1	C = Chain, S = Straps, N = Net, M = Mixture	A	DoD 4500-9-R, Part II, Figure 203-12
TOTAL_CUBE	SHIPMENT-UNIT VOLUME	Size of primary document item in cubic feet. Cubic feet of a single cargo item or consolidated cargo items	4	Uses numerics. May use alpha letters A-R and W and space, "-", or "&" when number exceeds length of the data field	C	DoD 4500.9-R, Part II, Chapter 203, Paragraph D.7.d
TOTAL_NUMBER_PIECES	(Not found in DDDS)	Total pieces of cargo	4	Uses numerics. May use alpha letters A-R and W and space, "-", or "&" when number exceeds length of the data field	C	DoD 4500.9-R, Part II, Chapter 203, Paragraph D.7.d
TOTAL_STRENGTH	(Not found in DDDS)	Unit total strength	4		N	TC-AIMS II data element

Table 3-3. GTN–TC-AIMS II Data Definitions. (cont’d)

TC-AIMS II Data Element Name	DoD Standard Element Name	Description	Field Length	Limits/Ranges	Legal Check	Comments
TRAILER_IND	(Not found in DDDS)	Indicates the end of a UEL report	6	“ZZZZZZ”	A	TC-AIMS II data element
TRANS_FLT_NBR	(Not found in DDDS)	First nine characters of the mission ID being flown or “CANCEL” if manifest is to be deleted by the originator	9		AN	DoD 4500-9-R, Part II, Figure 203-11. Use of “CANCEL” to delete a manifest is unique to the GTN–TC-AIMS II interface
TRANS_PRI_CD	(Not found in DDDS)	The priority of movement assigned to the individual passenger	3		X	Zero not valid. DoD 4500.9-R, Part II, Chapter 203, Figure 203-1 and Appendix CC-10
TRANS_REC_CNT	(Not found in DDDS)	Number of records between TAA and TZZ records of manifest	4		N	TZZ record not included in count. TC-AIMS II data element
TRANSACTION_CODE	(Not found in DDDS)	Code to indicate it is a Transaction Header for ISR data	1	I = ISR	A	TC-AIMS II data element
TRANSACTION_DATE	(Not found in DDDS)	Date the ISR transaction was sent	3	JJJ	N	TC-AIMS II data element
TRANSACTION_TIME	(Not found in DDDS)	Time the ISR transaction was sent	4	HHMM	N	TC-AIMS II data element
TRANSCD	(Not found in DDDS)	The type of transaction that the record will perform	1	A = add, it is a brand new record that has to added to the database. C = change, some of the data has been changed and the record has to be updated. D = delete, the record no longer exists in the source table	A	FORSCOM REG 55-2, Chapter 5
TRK_DEP_DATE	(Not found in DDDS)	Year, month, and day code for the day the truck left with the loaded cargo	8	YYYYMMDD	N	TC-AIMS II data element
TRK_DEP_HR	(Not found in DDDS)	Hour code for the hour when the loaded truck departed the origin	1	A-Z	A	O and I excluded. A = 0000-0059, B = 0100 - 0159, Z = 2300 - 2359. TC-AIMS II data element
TRK_SERIAL_NBR (TAT)	(Not found in DDDS)	Truck number of the truck transporting cargo	9		X	TC-AIMS II data element

Table 3-3. GTN–TC-AIMS II Data Definitions. (cont’d)

TC-AIMS II Data Element Name	DoD Standard Element Name	Description	Field Length	Limits/Ranges	Legal Check	Comments
TXN_COUNT	(Not found in DDDS)	Number indicating how many transactions preceded the trailer record	6	000001-999999	N	TC-AIMS II data element
TYPE_DATA_CODE	(Not found in DDDS)	Type data code that identifies an Army unit move	2		SAN	TC-AIMS II data element
TYPE_MOD_CD	(Not found in DDDS)	Code to indicate a 463L pallet	1	L	A	DoD 4500.9-R, Part II, Figure 203-12
TYPE_PK_CD	SHIPMENT-UNIT TYPE PACK CODE	Type pack code identifies the type of packing associated with the item being shipped	2	DoD 4500.9-R, Part II, Appendix EE-7	AN	DoD 4500.9-R, Part II, Appendix EE-7
UIC	(Not found in DDDS)	Unit Identification Code. Code to identify a military organization	6		SAN	TC-AIMS II data element
ULN	(Not found in DDDS)	Code to identify a type of Unit Identifier in trailer records for Air and Ocean Manifests	4	ULN:	X	ULN includes a colon. DoD 4500-9-R, Part II, Figure CC-2-13
ULN_NBR	(Not found in DDDS)	A ULN that identifies an organization as being part of an Operation Plan (OPLAN)	7		SAN	DoD 4500-9-R, Part II, Figure CC-2-13
UN_NA	(Not found in DDDS)	Literally UN or NA. The prefix for IMDGC ID	2	UN, NA	A	DoD 4500-9-R, Part II, Chapter 203. Paragraph D.15
USED_VAN_LN	(Not found in DDDS)	Length of feet used to load the shipment units in the container	2	01-99	N	DoD 4500.9-R, Part II, Figure CC-2-5
VAN_CUBE_CAP	TRANSPORTATION-EQUIPMENT EXTERNAL VOLUME	Size of the primary document item in cubic feet. Cubic feet of the shipment unit, consolidated cargo item, or container	4		C	Uses numerics, alpha letters A-R and W. May contain space, “-”, or “&”. DoD 4500.9-R, Part II, Chapter 203, Paragraph D.7.d
VAN_INDICATOR	(Not found in DDDS)	Code to indicate a type of van	1	V	A	Always “V”. DoD 4500.9-R, Part II, Figure CC-2-5
VAN_LENGTH_ORDERED	ORDERED-TRANSPORTATION-EQUIPMENT-TYPE LENGTH DIMENSION	Foot length of the size of the van ordered	2		N	DoD 4500.9-R, Part II, Figure CC-2-5

Table 3-3. GTN–TC-AIMS II Data Definitions. (cont’d)

TC-AIMS II Data Element Name	DoD Standard Element Name	Description	Field Length	Limits/Ranges	Legal Check	Comments
VAN_NBR	TRANSPORTATION-EQUIPMENT IDENTIFIER	Part of the van’s identifying number	8		AN	DoD 4500.9-R, Part II, Figure CC-2-5
VEH_LD.LOADCODE	(Not found in DDDS)	Code to identify one load from another	2	A-Z, 1-9	SAN	TC-AIMS II data element
VEH_LD.LOADDESC	(Not found in DDDS)	Description of the cargo load	25		X	TC-AIMS II data element
VEH_LD.QTY	SHIPMENT-UNIT-PIECE QUANTITY	Number of cargo pieces represented by the load entry	4	0001-9999	N	TC-AIMS II data element
VESSEL_NAME	VESSEL NAME	Vessel Name or Vessel Class with Hull Number	17	Military Sealift Command, Ships Table. Chapter 3, Lloyds of London	X	TC-AIMS II data element
VN_INDICATOR	(Not found in DDDS)	Code to indicate a type of van	2	VN	A	DoD 4500.9-R, Part II, Figure CC-2-5
VOY_DOC_NO	VOYAGE-ITINERARY-SEGMENT MTMC DOCUMENT IDENTIFIER	Voyage Document Number identifies a stop or group of stops for loading and offloading ocean cargo	5	DoD 4500.9-R, Part II, Appendix EE-9	AN	DoD 4500.9-R, Part II, Figure 203-14
VOY_MNFST_REF_CD	(Not found in DDDS)	Code to further identify the manifest and tie the manifest header to the cargo detail records	1	DoD 4500.9-R, Part II, Appendix EE-10	A	DoD 4500.9-R, Part II, Figure 203-14
VOYDOC	VOYAGE-IDENTIFIER-SEGMENT MTMC DOCUMENT IDENTIFIER	Identifier of a group of stops for loading/unloading of cargoes from a vessel	4	DoD 4500.9-R, Part II, Appendix EE-9	AN	DoD 4500.9-R, Part II, Figure 203-14
VSL_SUSTAINING_CD	(Not found in DDDS)	The vessel sustaining code indicates the physical capability of the ship’s gear to discharge the cargo on board regardless of the vessel terms of carriage	1	1 = Unassigned, 2 = Self-sustaining, 3 = Not self-sustaining, and 4-9 = Unassigned	N	DoD 4500.9-R, Part II, Appendix DD-11
W_CONSTANT	(Not found in DDDS)	Character to identify width	1	W	A	Follows numeric for width of cargo/piece. DoD 4500.9-R, Part II, Figure CC-2-9
WEIGHT_BAGGAGE	(Not found in DDDS)	Weight in pounds of baggage	3	000-999	N	TC-AIMS II data element

Table 3-3. GTN–TC-AIMS II Data Definitions. (cont’d)

TC-AIMS II Data Element Name	DoD Standard Element Name	Description	Field Length	Limits/Ranges	Legal Check	Comments
WTR_CMDTY_CD	WATER-COMMODITY CODE	Water commodity code as listed in the DTR to include the commodity, type cargo, and special handling codes	5	DoD 4500.9-R, Part II, Appendix DD-12 and DD-13	X	DoD 4500.9-R, Part II, Chapter 203, Paragraph D11
WTR_CMDTY_CDF	WATER-COMMODITY CODE	The three position water commodity code identifies the cargo’s commodity. The three character code combines with type cargo code and special handling code to create the complete water commodity code	3	DoD 4500.9-R, Part II, Appendix DD-12	X	For TC-AIMS II UEL F record. DoD 4500.9-R, Part II, Chapter 203, Paragraph D11
YEAR	(Not found in DDDS)	Four-digit year in ISR Transaction Header	4		N	TC-AIMS II data element
YR	AIR-MANIFEST FISCAL YEAR IDENTIFIER	The last significant digit of the fiscal year (e.g., year of decade)	1	0-9	N	TC-AIMS II data element
ZIP_CODE	(Not found in DDDS)	Zip code for the origin location of the container	6	X and numerics	AN	DoD 4500.9-R, Part II, Figure CC-2-15

3.2.2 TC-AIMS II Transaction Description

The transactions transmitted from TC-AIMS II to the GTN system are a logically ordered set of one or more of the data elements described in Table 3-4. Each data element within the transaction is assigned a label that is unique with respect to the labels of the remaining data elements comprising the transaction. A data element that is so labeled is referred to as a field of the transaction with the label being the field name. Each transaction has a format that is uniquely determined by the names, positions, and lengths of the fields that comprise the transaction.

3.2.2.1 TC-AIMS II Transaction Structure Description

A transaction is realized as an ordered sequence of data elements. All transactions will be comprised of the general data elements described in Table 3-3. Formats, descriptions, constraints, and examples for the transactions that are sent to the GTN from TC-AIMS II are provided in paragraph 3.2.4. Only the transaction formats used by GTN are discussed. Fields that are omitted in a transaction or are empty must be filled with spaces.

3.2.2.2 TC-AIMS II Transaction Names

Multiple types of transactions are sent from TC-AIMS II to GTN. The assembled transactions become a passenger manifest, unit equipment list, installation situation report, truck cargo manifest, ocean cargo manifest, or an air cargo manifest. The names of these transactions are listed in Table 3-4.

Table 3-4. TC-AIMS II Transactions.

Transaction	TX Short Name	Input/Output
ISR Departure Record	B	Input
ISR Departure Transaction Header	CI	Input
UEL Transaction Header Format	XXX	Input
UEL (COMPASS) A Hdr	A	Input
UEL (COMPASS) D Vehicle	D	Input
UEL (COMPASS) E Load	E	Input
UEL (COMPASS) F Special Handling	F	Input
UEL (COMPASS) G Load	G	Input
UEL Transaction End Format	ZZZ	Input
Passenger Name Record Message	PNR	Input
Passenger Manifest Header Message	PLM	Input
Passenger End Manifest Message	PZZ	Input
Air Cargo Manifest Shipment Unit Prime TCMD	T_A_D	Input
Truck Cargo Manifest Shipment Unit Prime TCMD	T_A_D	Input
Air Cargo Manifest Loaded SEAVAN/MILVAN	T_B	Input
Air Cargo Manifest Loaded RORO Container	T_B	Input
Air Cargo Manifest CONEX, Untz Pallet - Nested	T_C	Input

Table 3-4. TC-AIMS II Transactions. (cont'd)

Transaction	TX Short Name	Input/Output
Air Cargo Manifest CONEX, Unitized Pallet, Cntnrs	T_C	Input
Truck Manifest Shipment Units Cont (Nested)	T_D	Input
Air Cargo Manifest Shipment Units Cont (Nested)	T_D	Input
Air Cargo Manifest Outsized Dimensions Tlr TCMD	T_E	Input
Air Cargo Manifest Stock Number Trailer TCMD	T_F	Input
Air Cargo Manifest SEAVAN/MILVAN REEFER Misc	T_I	Input
Air Cargo Manifest SEAVAN/MILVAN Stopoff	T_I	Input
Air Cargo Manifest SEAVAN/MILVAN/CONEX Misc	T_I	Input
Air Cargo Manifest General Misc Unit Move Tlr TCMD	T_I	Input
Air Cargo Manifest SEAVAN/MILVAN REEFER Stopoff	T_I	Input
Air Cargo Manifest Empty SEAVAN/MILVAN/CONEX	T_I	Input
Air Cargo Manifest General Misc Hazmat Tlr TCMD	T_I_TEI_TJI	Input
Air Cargo Manifest General Misc Trailer TCMD	T_I_TXI	Input
Single Shipment Unit/Loose Cargo (T_J)	T_J	Input
Loaded RORO (T_K)	T_K_RoRo	Input
Loaded SEAVAN/MILVAN (T_K)	T_K_SeaMil	Input
Loaded CONEX, Unitized, Consol (T_L)	T_L	Input
Shipment Unit Consolidated (T_M)	T_M	Input
Outsized Dimensions (T_N)	T_N	Input
Stock Number Message (T_O)	T_O	Input
General Miscellaneous not Otherwise Detailed (T_R)	T_R_Gen	Input
SEAVAN/MILVAN Misc Info (T_R)	T_R_MiscInfo	Input
SEAVAN/MILVAN Stopoff Points (REEFER) (T_R)	T_R_Reef	Input
SEAVAN/MILVAN Stopoff Points (T_R)	T_R_Stopoff	Input
General Miscellaneous not Otherwise Detailed (UM)	T_R_UM	Input
Air Cargo Manifest Header	TAA	Input
Air Cargo Manifest Pallet Prime TCMD	TAB	Input
Ocean Manifest Header (TAJ)	TAJ	Input
Truck Cargo Manifest Header	TAT	Input
Air Cargo Manifest Hazmat/ammo/explosives Tlr TCMD	TEF_TJF	Input
Air Cargo Manifest NEW Trailer TCMD	TEG_NEW	Input
Ammo/Exp/Haz (TEO/TJO)	TEO_TJO	Input
Net Explosive Wt/Lot # (TEP)	TEP	Input
Air Cargo Manifest Veh/Trl/AC Trailer TCMD Sth Am	TVE	Input
Air Cargo Manifest Veh/Trl/Aircraft Trailer TCMD	TVE	Input
Outsize Dimensions_Vehicle Model (TVN)	TVN_VehMod	Input
Air Cargo Manifest End Manifest	TZZ	Input

3.2.3 General Transaction Processing

Although transactions are checked by the TC-AIMS II software prior to being sent to GTN, the GTN software must still process all transactions prior to incorporating them into the GTN databases. Transaction processing consists of the following two phases:

- a. Phase one consists of enforcement of transaction composition by requiring compliance with field entry rules described in the individual transaction descriptions in the subsequent sections.
- b. Phase two consists of record type identification, parsing transaction fields, enforcing system edits for legal checks, and allowable limits/ranges as specified in Table 3-4.

Transactions that are determined to be invalid are not incorporated into the GTN database.

If a transaction is determined to be valid, the information contained in the transaction will be incorporated into the GTN databases if either of the following two conditions occur:

- a. The information contained in the transaction is not already present in the GTN databases.
- b. The information contained in the transaction is determined to be more current than the information in the GTN databases. For example, the value in the “UPDTETIME.UPDATE_TIME_STAMP” field of the new transaction is more recent than the “UPDTETIME.UPDATE_TIME_STAMP” field of the previous transaction.

Mandatory refers to the values within the designated positions of the transactions, not to the fields themselves. If, from the source system standpoint, for any transaction, a data field is Mandatory (M), as indicated in the “IR/DD Required Element” column of the transaction formats, and the field does not conform to the format specified in Table 3-3, GTN–TC-AIMS II Data Definition, GTN will not initially process the data field and will refer it for error processing. If the data field is Conditional (C), as indicated in the “IR/DD Required Element” column, and the field does not conform to the conditional requirement indicated in the “Comments” column, GTN will not initially process the data field and will refer it for error processing. Optional (O) conditions will not be edited for error processing. The limits and range of the data elements equates to the legal checks unless otherwise specified. If GTN considers a field to be Mandatory that the source system considers to be Conditional or Optional, an “(M)” will be placed in the “IR/DD Required Element” column next to the “C” or “O.” Additionally, the first item in the “Comments” column will indicate, “GTN required.”

Error processing by GTN means, at a minimum, that information concerning the field in error is recorded for subsequent data quality reports. Error processing will depend on the applied business rules. GTN can reject the entire transaction or a subset within the transaction. The transaction can be corrected by human intervention so that it may be included in its entirety.

3.2.4 TC-AIMS II Transactions

3.2.4.1 Unit Equipment List (UEL) Transaction Header

3.2.4.1.1 UEL Transaction Header Description

The UEL Transaction Header precedes the UEL transactions that are sent in a transmission from a TC-AIMS II site. The UEL transaction header allows GTN to recognize the data as UEL data. The Army will only generate UEL Transactions.

3.2.4.1.2 UEL Transaction Header Format

The format of the UEL Transaction Header is shown in Table 3-5.

Table 3-5. UEL Transaction Header Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Header Indicator	HEADER_IND	1	6	M	The repetition of "X"s indicates the beginning of a transmission of UEL transactions	"XXXXXX"
Content Indicator Code	CIC	7	10	M	The Content Indicator Code	"ACGC"
Mail Sender	SENDER	11	Variable	M	The data identifies the E-mail address of the sender of the data. The address is followed by a space	"A"
Piece Counter	COUNTER	Variable	Variable	M	This count indicates the number of pieces that have resulted from the communications script taking the original UEL (COMPASS) transmission and breaking it down into smaller pieces prior to transmission. There is no upper limit to the counter	"1"

3.2.4.1.3 UEL Transaction Header Constraints

Only one Transaction Header is present in a single transmission from a TC-AIMS II site. This record is always first.

3.2.4.1.4 UEL Transaction Header Example

An example of the UEL Transaction Header transaction is shown in Figure 3-4.

XXXXXXXXAAGCA 1

Figure 3-4. UEL Transaction Header Example.

3.2.4.2 Unit Equipment List (UEL) Header/Personnel Strength A Record

3.2.4.2.1 UEL Header/Personnel Strength A Record Description

The UEL Header/Personnel Strength A Record and the other associated UEL records (D, E, F, G) combine to make a COMPASS Report. This is also called a DEL or an Automated Unit Equipment List (AUEL). The records identify the unit and a list of the equipment the unit intends to ship in support of an exercise or contingency. The report may be updated any number of times prior to the departure of the unit.

An example of a possible set of UEL records is shown in Figure 3-5.

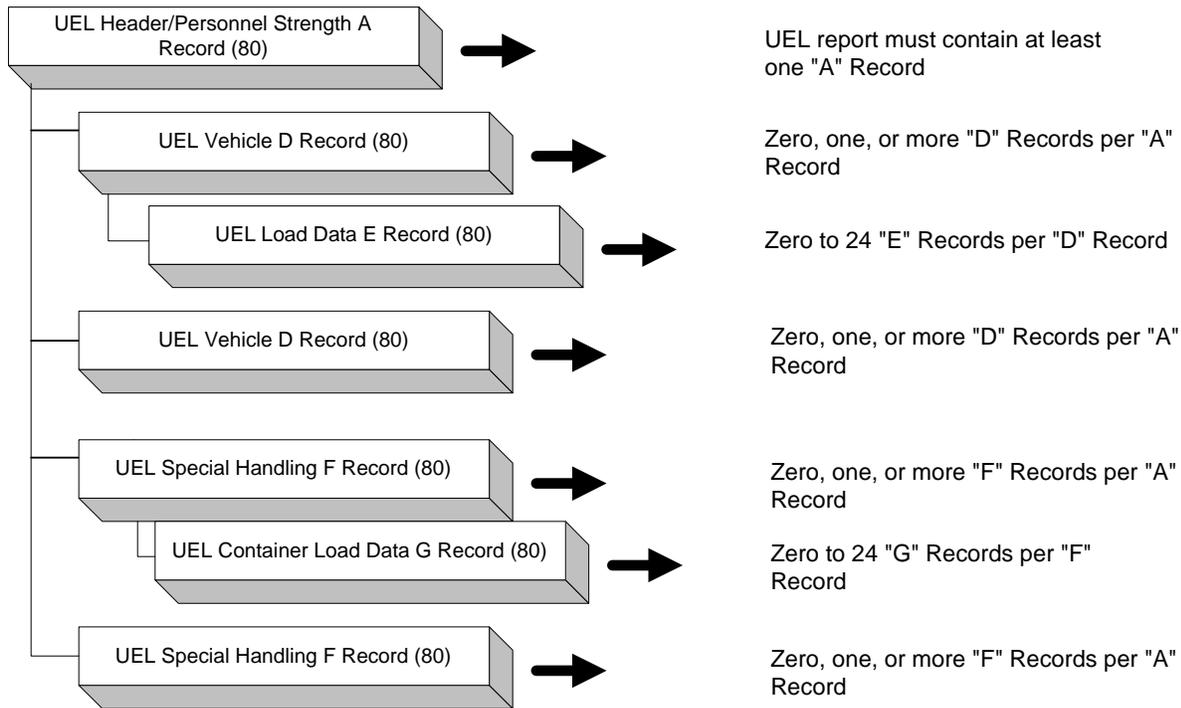


Figure 3-5. Unit Equipment List Example.

3.2.4.2.2 UEL Header/Personnel Strength A Record Format

The format of the UEL Header/Personnel Strength A Record is shown in Table 3-6.

Table 3-6. UEL Header/Personnel Strength A Record Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Unit Identifier Code	EQUIPLST.UIC	1	6	M	UIC of the reporting unit. No "I"s or "O"s	"W001AA"
Type Data Code	EQUIPLST.DATATYPE	7	8	M	Type Data Code used to identify this unit move	"BB"

Table 3-6. UEL Header/Personnel Strength A Record Format. (cont'd)

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Blank	FILLER2	9	10	M	Leave blank	“ ”
ULN	EQUIPLST.ECH_ULN	11	17	M	Can be three to seven characters	“CABBC01”
Card Type	CARD_TYPE	18	18	M	A	“A”
Submission Date	SUBMISSION_DATE	19	27	M	DDMMYY	“01DEC1997”
Total Strength	TOTAL_STRENGTH	28	31	M	Unit total strength. Dependent on the mission	“0092”
Ech 01	ECHELON_NBR	32	33	O	1	“ ”
Ech Strength	ECH_STRENGTH	34	37	O	Quantity of personnel assigned to this echelon for movement	“ ”
Ech 02	ECHELON_NBR	38	39	O	2	“ ”
Ech Strength	ECH_STRENGTH	40	43	O	Quantity of personnel assigned to this echelon for movement	“ ”
Ech 03	ECHELON_NBR	44	45	O	3	“ ”
Ech Strength	ECH_STRENGTH	46	49	O	Quantity of personnel assigned to this echelon for movement	“ ”
Ech 04	ECHELON_NBR	50	51	O	4	“ ”
Ech Strength	ECH_STRENGTH	52	55	O	Quantity of personnel assigned to this echelon for movement	“ ”
Ech 05	ECHELON_NBR	56	57	O	5	“ ”
Ech Strength	ECH_STRENGTH	58	61	O	Quantity of personnel assigned to this echelon for movement	“ ”
Ech 06	ECHELON_NBR	62	63	O	6	“ ”
Ech Strength	ECH_STRENGTH	64	67	O	Quantity of personnel assigned to this echelon for movement	“ ”
Ech 07	ECHELON_NBR	68	69	O	7	“ ”
Ech Strength	ECH_STRENGTH	70	73	O	Quantity of personnel assigned to this echelon for movement	“ ”
Blank	FILLER5	74	78	M	Leave blank	“ ”
Transaction Code	TRANSCD	79	79	M	A = Add for the first time, C = A change that may change the header record as well as accompanying details	“A”
Card Code	CARDCD	80	80	M	“9”	“9”

3.2.4.2.3 UEL Header/Personnel Strength A Record Constraints

The UEL Header/Personnel Strength A Record always precedes the detailed information records (D, E, F, G) for a particular Unit Identification Code reporting equipment in the transmission. A Header/Personnel Strength A Record must be followed by at least one of the detail records. A transaction code of “A” indicates this is an initial set of records. An “A” includes the header and one or more detail records also with a transaction code of “A.” A transaction code of “C”

indicates that the header or any associated detail records have been modified (detail record transaction code of “C”), added to the unit list (detail record transaction code of “A”), or deleted from the unit list (detail record transaction code of “D”).

3.2.4.2.4 UEL Header/Personnel Strength A Record Example

An example of the UEL Header/Personnel Strength A Record is shown in Figure 3-6.

W001AABB	CABBC01A01DEC19970092	A9
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Figure 3-6. UEL Header/Personnel Strength A Record Example.

3.2.4.3 Unit Equipment List (UEL) Vehicle D Record

3.2.4.3.1 UEL Vehicle D Record Description

The UEL Vehicle D Record is used to report vehicles to include trucks, trailers, semi-trailers, amphibious vehicles, tracked vehicles, tanks, artillery, floating equipment, railcars, locomotives, aircraft, wheel or track mounted equipment, and containers mounted on axles. The record is one of the record types in the COMPASS report. It will follow an A header record or other D or D and E record sets if any vehicles are in the UEL. The dimensions of the vehicle are based on the table in TB 55-46-1, unless the D Record has a waiver indicator. A waiver indicator means one or more of the dimensions are not according to TB 55-46-1.

3.2.4.3.2 UEL Vehicle D Record Format

The format of the UEL Vehicle D Record is shown in Table 3-7.

Table 3-7. UEL Vehicle D Record Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Unit Identifier Code	EQUIPLST.UIC	1	6	M	UIC of the reporting unit. No “I”s or “O”s	“W001AA”
Type Data Code	EQUIPLST.DATATYPE	7	8	M	Type data code used to identify this unit move	“BB”
Echelon	EQUIPLST.ECH_ULN(ECH)	9	10	C	Required if no ULN is present and transaction code is A or D. May be blank for a change transaction	“ ”
ULN	EQUIPLST.ECH_ULN	11	17	C	Required if no Echelon is present and transaction code is A or D. May be blank for a change transaction	“CABBC01”
Card Type	EQUIPLST.SUN (CARD)	18	18	M	D	“D”

Table 3-7. UEL Vehicle D Record Format. (cont'd)

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Unit Entry Number	EQUIPLST.SUN	19	22	M	The Record Type plus the Unit Entry Number combine to create the SUN	"0034"
Line Item Number	EQUIPLST.LIN	23	28	C	Required for Add records. May be blank for a change transaction	"T61494"
LIN Index Number	EQUIPLST. LININDEX	29	30	C	Required for Add records. May be blank for a change transaction	"04"
Blank	FILLER3	31	33	M	Leave blank	" "
Type Cargo Code	EQUIPLST.TCC	34	34	C	May be blank for a change transaction	"Z"
Special Handling Code	EQUIPLST.SHC	35	35	C	May be blank for a change transaction	"9"
MPOE	EQUIPLST.MPE	36	36	C	Mode to Port of Embarkation. May be blank for a change transaction	"K"
Waiver Indicator	EQUIPLST.WAIVER	37	37	O	May be a Space, R, or X	" "
Height	EQUIPLST.HEIGHT	38	41	C	Required if Waiver Indicator is X and no other dimension or weight is provided. May be blank for a change transaction	" "
Length	EQUIPLST.LNGTH	42	46	C	Required if Waiver Indicator is X and no other dimension or weight is provided. May be blank for a change transaction	" "
Width	EQUIPLST.WIDTH	47	51	C	Required if Waiver Indicator is X and no other dimension or weight is provided. May be blank for a change transaction	" "
Weight	EQUIPLST.WTACT	52	58	C	Required if Waiver Indicator is X and no other dimension or weight is provided. May be blank for a change transaction	" "
Blank	FILLER3	59	61	M	Leave blank	" "
Item Description	ITEM DESCRIPTION	62	78	O	Enter type of vehicle (e.g., 5 Ton 4x4 and Model). This will give the COMPASS manager information so a research can be made with MTMCTEA to acquire a LIN Number for the vehicle	" "
Transaction Code	TRANSCD	79	79	M	A, C, or D	"A"
Card Code	CARDCD	80	80	M	"9"	"9"

3.2.4.3.3 UEL Vehicle D Record Constraints

One or more of the E load records may follow the UEL Vehicle D Record. If the waiver indicator is "X," at least one E load record may follow the D record. An E record can also be

present without the “X” in the preceding D record. If an R is in record position 37, the waiver indicator of “X,” if present, is removed and all the associated E load records are deleted.

If the header record transaction code is “A,” the transaction on the vehicle record is “A.” If the header record transaction code is “C,” the transaction on the vehicle record is “A,” “C,” or “D.”

3.2.4.3.4 UEL Vehicle D Record Example

An example of the Vehicle D Record is shown in Figure 3-7.

W001AABB	CABBC01D0034T6149404	Z9K	A9
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Figure 3-7. UEL Vehicle D Record Example.

3.2.4.4 Unit Equipment List (UEL) Load Data E Record

3.2.4.4.1 UEL Load Data E Record Description

The UEL Load Data E Record is used to report cargo loads assigned to specific vehicles or trailers, i.e., D records. The record is one of the record types in the COMPASS report. It may only follow a D Record. Each D record may have zero, one, or more E records.

3.2.4.4.2 UEL Load Data E Record Format

The format of the UEL Load Data E Record is shown in Table 3-8.

Table 3-8. UEL Load Data E Record Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Unit Identifier Code	EQUIPLST.UIC	1	6	M	UIC of the reporting unit. No “I”s or “O”s	“W001AA”
Type Data Code	EQUIPLST.DATATYPE	7	8	M	Type data code used to identify this unit move	“BB”
Echelon	EQUIPLST.ECH_ULN (ECH)	9	10	C	Required if no ULN is present and transaction code is A or D. May be blank for a change transaction	“ ”
ULN	EQUIPLST.ECH_ULN	11	17	C	Required if no Echelon is present and transaction code is A or D. May be blank for a change transaction	“CABBC01”
Card Type	EQUIPLST.SUN(CARD)	18	18	M	E	“E”
Unit Entry Number	EQUIPLST.SUN	19	22	M	Matches the preceding D record’s Unit Entry Number (UEN)	“0034”

Table 3-8. UEL Load Data E Record Format. (cont'd)

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Load Description Number	VEH_LD.LOADCODE	23	24	M	Identifies the load	"D"
Load Description	VEH_LD.LOADDESC	25	49	M	Text	"RED TAT BAGGAGE"
Load Quantity	VEH_LD.QTY	50	53	M	Number of cargo pieces represented by the load entry	"0012"
Type of Equip	ECR.EQUIPTYP	54	54	C	Mandatory for a transaction code of A	"T"
Type Pack Code	EQUIPLST.PACK	55	56	C	Mandatory for a transaction code of A	"PC"
Load Description Weight	EQUIPLST.WTPLAN	57	62	C	Mandatory for a transaction code of A. Weight in pounds	"000965"
Load Description Cube	EQUIPLST.CUFTLOAD	63	69	C	Mandatory for a transaction code of A	"0000046"
Blank	FILLER9	70	78	M	Leave blank	" "
Transaction Code	TRANSCD	79	79	M	A, C, or D	"A"
Card Code	CARDCD	80	80	M	"9"	"9"

3.2.4.4.3 UEL Load Data E Record Constraints

Zero, one, or more of the UEL Load Data E Record may follow a D record. The Unit Entry Number of the Load Data E Record matches the Unit Entry Number of the preceding D vehicle record. The Load Description Number identifies each load for the vehicle.

If the header record transaction code is "A," the transaction on the E record is "A". If the header record transaction code is "C," the transaction on the E record is "A," "C," or "D."

3.2.4.4.4 UEL Load Data E Record Example

An example of the UEL Load Data E Record is shown in Figure 3-8.

W001AABB CABBC01E0034D RED TAT BAGGAGE	0000TPC0009650000046000000000A9
--	---------------------------------

Figure 3-8. UEL Load Data E Record Example.

3.2.4.5 Unit Equipment List (UEL) Special Handling F Record

3.2.4.5.1 UEL Special Handling F Record Description

The UEL Special Handling F Record for other than vehicles and vehicle loads is used to report large/heavy cargo items: cargo that is palletized, containerized, unitized, crated, or banded together; cargo that is security classified; and cargo other than that which has been reported as loaded on vehicles. F records can contain items that are further described in G records. The

record is one of the record types in the COMPASS report. Zero, one, or more F records may come after all the D and E records in the COMPASS report.

3.2.4.5.2 UEL Special Handling F Record Format

The format of the Special Handling F Record is shown in Table 3-9.

Table 3-9. UEL Special Handling F Record Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Unit Identifier Code	EQUIPLST.UIC	1	6	M	UIC of the reporting unit	“W001AA”
Type Data Code	EQUIPLST.DATATYPE	7	8	M	Type data code used to identify this unit move	“BB”
Echelon	EQUIPLST.ECH_ULN (ECH)	9	10	C	Required if no ULN is present and transaction code is A or D. May be blank for a change transaction	“ ”
ULN	EQUIPLST.ECH_ULN	11	17	C	Required if no Echelon is present. May be blank for a change transaction	“CABBC01”
Card Type	EQUIPLST.SUN (CARD)	18	18	M	“F”	“F”
Unit Entry Number	EQUIPLST.SUN	19	22	M		“0002”
Line Item Number	EQUIPLST.LIN	23	28	C	Required for Add records. May be blank for a change transaction	“C13825”
LIN Index Number	EQUIPLST.LININDEX	29	30	C	Required for Add records. May be blank for a change transaction	“01”
Water Commodity Code	WTR_CMDTY_CDF	31	33	M	Enter code from Table 5-1, FORSCOM Reg 55-2 or DTR Appendix D12. Must be filled in on “Add” transactions	“700”
Type Cargo Code	EQUIPLST.TCC	34	34	C	Required for Add records. May be blank for a change transaction	“Z”
Special Handling Code	EQUIPLST.SHC	35	35	C	Required for Add records. May be blank for a change transaction	“9”
MPOE	EQUIPLST.MPE	36	36	M	Mode to Port of Embarkation. Required for Add records. May be blank for a change transaction	“1”
Blank	FILLER1	37	37	M	Leave blank	“ ”
Length	EQUIPLST.LNGTH	38	42	C	Length of the item in inches. Required for Add records. May be blank for a change transaction	“ ”
Width	EQUIPLST.WIDTH	43	47	C	Width of the item in inches. Required for Add records. May be blank for a change transaction	“ ”
Height	EQUIPLST.HEIGHT	48	51	C	Height of the item in inches. Required for Add records. May be blank for a change transaction	“ ”

Table 3-9. UEL Special Handling F Record Format. (cont'd)

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Weight	EQUIPLST.WTACT	52	58	C	Weight in pounds. Required for Add records. May be blank for a change transaction	" "
Type of Equip	ecr.equiptyp	59	59	C	Required for Add records. May be blank for a change transaction	" "
Type Pack Code	EQUIPLST.PACK	60	61	C	Required for Add records. May be blank for a change transaction	"PC"
Item Description	EQUIPLST.EQUIPDES	62	76	C	Required for Add records. May be blank for a change transaction	"HIP METAL 20 FT"
Blank	FILLER2	77	78	M	Leave blank	" "
Transaction Code	TRANSCD	79	79	M	A, C, or D	"A"
Card Code	CARDCD	80	80	M	"9"	"9"

3.2.4.5.3 UEL Special Handling F Record Constraints

Zero, one, or more G records may follow the UEL Special Handling F Record.

If the header record transaction code is "A," the transaction on the F record is "A." If the header record transaction code is "C," the transaction code on the F record is "A" or "C." If the header record transaction code is "D," the transaction code on the F record is "D."

3.2.4.5.4 UEL Special Handling F Record Example

An example of the UEL Special Handling F Record is shown in Figure 3-9.

W001AABB CABBC01F0002C1382501700Z91	PCHIP METAL 20 FT A9
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Figure 3-9. UEL Special Handling F Record Example.

3.2.4.6 Unit Equipment List (UEL) Container Load Data G Record

3.2.4.6.1 UEL Container Load Data G Record Description

The UEL Load Data G Record is used to report cargo loads assigned to specific F records.

3.2.4.6.2 UEL Container Load Data G Record Format

The format of the UEL Container Load Data G Record is shown in Table 3-10.

Table 3-10. UEL Container Load Data G Record Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Unit Identifier Code	EQUIPLST.UIC	1	6	M	UIC of the reporting unit	“W001AA”
Type Data Code	EQUIPLST.DATATYPE	7	8	M	Type data code used to identify this unit move	“BB”
Echelon	EQUIPLST.ECH_ULN (ECH)	9	10	C		“ ”
ULN	EQUIPLST.ECH_ULN	11	17	C		“CABBC01”
Card Type	EQUIPLST.SUN (CARD)	18	18	M	“G”	“G”
Unit Entry Number	EQUIPLST.SUN	19	22	M	Same entry number as assigned to the container record the load is loaded into	“0002”
Load Description Number	VEH_LD.LOADCODE	23	24	M	Identifies this load from other loads in the container	“C ”
Load Description	VEH_LD.LOADDESC	25	49	M	Text	“MULTIPLE ITEMS ”
Load Quantity	VEH_LD.QTY	50	53	M	Number of cargo pieces represented by the load entry	“0002”
Type of Equip	ECR.EQUIPTYP	54	54	C	Mandatory for a transaction code of A	“U”
Type Pack Code	EQUIPLST.PACK	55	56	C	Mandatory for a transaction code of A	“PC”
Load Description Weight	EQUIPLST.WTPLAN	57	62	C	Mandatory for a transaction code of A. Weight of load in pounds	“000006”
Load Description Cube	EQUIPLST.CUFTLOAD	63	69	C	Mandatory for a transaction code of A. Cubic Feet of the load	“ ”
Filler	FILLER9	70	78	M	Spaces	“ ”
Transaction Code	TRANSCD	79	79	M	A, C, or D	“A”
Card Code	CARDCD	80	80	M	“9”	“9”

3.2.4.6.3 UEL Container Load Data G Record Constraints

One or more UEL Container Load Data G Records may only follow an F record. If the header record transaction code is “A,” the transaction on the G record is “A.” If the header record transaction code is “C,” the transaction on the G record is “A” or “C.” If the header record transaction code is “D,” the transaction on the G record is “D.”

3.2.4.6.4 UEL Container Load Data G Record Example

An example of the UEL Container Load Data G Record is shown in Figure 3-10.

W001AABB	CABBC01G0002C	MULTIPLE ITEMS	0002UPC000006	A9
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Figure 3-10. UEL Container Load Data G Record Example.

3.2.4.7 UEL Transaction End

3.2.4.7.1 UEL Transaction End Description

The UEL Transaction End record marks the end of the UEL records and indicates how many records should be present between the transaction header and the transaction end records.

3.2.4.7.2 UEL Transaction End Format

The format of the UEL Transaction End is shown in Table 3-11.

Table 3-11. UEL Transaction End Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Trailer Indicator	TRAILER_IND	1	6	M	The repetition of "Z"s indicates the end of the UEL transmission	"ZZZZZZ"
Transaction Count	TXN_COUNT	7	12	M	This count indicates the number of data records in the transmission. It does not include the Header or this Trailer	"000198"

3.2.4.7.3 UEL Transaction End Constraints

The UEL Transaction End is the last record at the end of a transmission of UEL data from a TC-AIMS II site. There is only one per transmission.

3.2.4.7.4 UEL Transaction End Example

An example of the UEL Transaction End is shown in Figure 3-11.

ZZZZZZ000198

Figure 3-11. UEL Transaction End Example.

3.2.4.8 Installation Situation Report (ISR) Departure Transaction Header

3.2.4.8.1 ISR Departure Transaction Header Description

The ISR is generated by an Installation Transportation Office upon the departure of cargo from the origin. The ISR Unit Move Transaction Header identifies the origin and destination of the associated cargo and/or passengers, when the ISR record was sent and the sequence number assigned to it upon transmission. An example of a possible set of ISR records is shown in Figure 3-12.

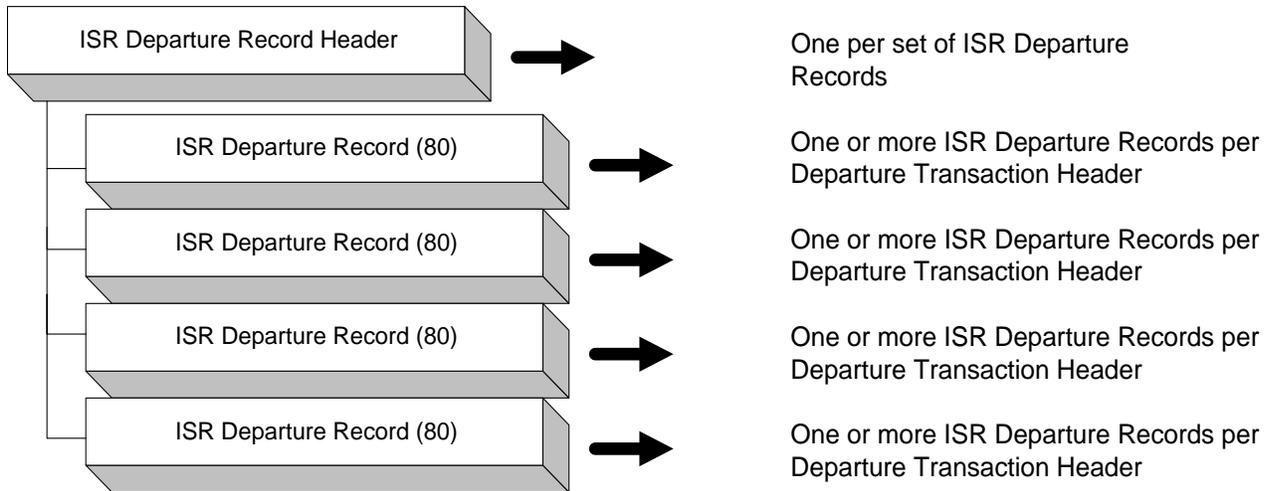


Figure 3-12. Installation Departure Report Example.

3.2.4.8.2 ISR Departure Transaction Header Format

The format of the ISR Departure Transaction Header is shown in Table 3-12.

Table 3-12. ISR Departure Transaction Header Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Record Type	RECORD_TYPE	1	1	M	“C”	“C”
Transaction Code	TRANSACTION_CODE	2	2	M	“I” = ISR	“I”
Constant	CONSTANT	3	6	M	Identifies which ITO sent the record to GTN	“ZZZZ”
Year	YEAR	7	10	M	Year in 4 digits. YYYY	“1998”
Transaction Date	TRANSACTION_DATE	11	13	M	The date the transaction was sent in Julian date JJJ	“179”
Transaction Time	TRANSACTION_TIME	14	17	M	The time the transaction was sent	“1300”
Message Number	MESSAGE_NUMBER	18	21	M	The sequential number assigned to the transaction when it is sent	“0001”
Departure GEOLOC	GEOLOC	22	25	M	Geographic Location Code of departing cargo and/or PAX	“MLZF”
Destination GEOLOC	GEOLOC	26	29	M	GEOLOC of destination cargo and/or PAX	“LZLU”
Site Id	SITE_ID	30	79	M	Site Address of Transmission	“<name> <host>.army .mil”

3.2.4.8.3 ISR Departure Transaction Header Constraints

The ISR Departure Transaction Header precedes the first ISR departure record.

3.2.4.8.4 ISR Departure Transaction Header Example

An example of the ISR Departure Transaction Header is shown in Figure 3-13.

```
CIZZZZ19981791300001MLZFLZLU<name>@<host>.army.mil
```

Figure 3-13. ISR Departure Transaction Header Example.

3.2.4.9 ISR Departure Record

3.2.4.9.1 ISR Departure Record Description

The ISR Departure Record is used to report departure of unit cargo and/or the number of PAX for a deployment. It identifies all the major items that are departing by SUN, not TCN. If there are any items loaded inside a major item, the loaded item's SUN is not recorded on this report. The SUN consists of the Card Type and the Entry Number.

The ISR departure report is related to the Unit Equipment List data, also referred to as the COMPASS report. The SUN on the ISR should relate directly to a SUN on the COMPASS for a specific UIC and Type Data Code (TDC).

3.2.4.9.2 ISR Departure Record Format

The format of the ISR Departure Record is shown in Table 3-13.

Table 3-13. ISR Departure Record Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Unit Identifier Code	EQUIPLST.UIC	1	6	M	UIC	"W001AA"
Type Data Code	EQUIPLST.DATATYPE	7	8	M	Type Data Code used to identify this unit move	"BB"
Echelon	EQUIPLST.ECH_ULN (ECH)	9	10	C	Required if the ULN is present	" "
ULN	EQUIPLST.ECH_ULN	11	17	C	Required if the ULN is present	"CABBC01"
Card Type	CARD_TYPE	18	18	M	B	"B"
Entry Number	EQUIPLST.SUN(ISR)	19	23	M	Number assigned to the item.	"D0002"
Date-Time -Group	SHDR_OUT.SC_DATE	24	37	M	Date and time of departure, DDHHMMZMMMYYYY	"011300ZFEB1998"
MPOE	SHDR_OUT.MPOE	38	38	M	Mode to Port of Embarkation. The mode used to depart the origin	"E"

Table 3-13. ISR Departure Record Format. (cont'd)

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
If MPOE is other than "K," use:						
Mode Control Number	SHDR_OUT.CARSUM	39	53	C	If MPOE is other than "K," then this field is Car or Conveyance Number. May be convoy clearance number. Left justified	" "
If MPOE is "K," use:						
Mode Control Number	SHDR_OUT.TRAINASS OR	39	53	C	If MPOE is "K," then this field is the train number. Left justified	" "
Bus-PAX	SHDR_OUT.PAX	54	58	C	If MPOE is "B" or "E," then this field contains a passenger count, 0000-9999 for PAX being transported via this mode. Left justified	"1 "
Air-PAX	SHDR_OUT.PAX	59	63	C	If MPOE is not "B" or "E," then this field contains a passenger count, 0000-9999 for PAX being transported via this mode. Left justified	"5 "
Estimated time of arrival	ETA	64	77	M	DDHHMMZMMMYYYY	"022100ZFEB1998"
Blank	FILLER1	78	78	M	Leave blank	" "
Transaction Code	TRANSCD	79	79	M	Always "C"	"C"
Card Code	CARDCD	80	80	M	"9"	"9"

3.2.4.9.3 ISR Departure Record Constraints

There is one SUN per ISR Departure Record for an item that departs the origin. At least one ISR Departure Record follows the ISR Departure Transaction Header record. The last record in the ISR will be followed by End of File (EOF).

3.2.4.9.4 ISR Departure Record Example

An example of the ISR Departure Record is shown in Figure 3-14.

W001AABB	CABBC01BD0002011300ZFEB1998E	1	5	022100ZFEB1998	C9
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Figure 3-14. ISR Departure Record Example.

3.2.4.10 Passenger Manifest Header (PLM) Transaction

3.2.4.10.1 Passenger Manifest Header (PLM) Transaction Description

The passenger manifest documents passengers moving on a conveyance to the same destination. The PLM transaction is the lead record for a passenger manifest. The PLM transaction, together

with passenger name records (PNR) and the end manifest transaction (PZZ), creates a complete passenger manifest for any mode.

3.2.4.10.2 Passenger Manifest Header (PLM) Transaction Format

The format of the PLM transaction is shown in Table 3-14.

Table 3-14. Passenger Manifest Header (PLM) Transaction Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	PAX lifted manifest	"PLM"
Manifest ID	PAX_MANIFEST_ID	4	17	M	Station-unique identifier	"04069810201901"
Manifest Date	PAX_MAN_DATE	18	26	M	System create date DDMMYYYY	"06APR1998"
Manifest Creator	CREATED_BY	27	33	M	Person creating the manifest	"TCAIMS2"
Type Data Code	TYPE_DATA_CODE	34	35	O	Code to identify an Army unit move. Space if not a unit move	" "
Unit Identification Code (UIC)	UIC	36	41	C	UIC for primary unit being moved. If not a group move, may be spaces	" "
Mission Identifier	PAX_MAN_MISSION_ID	42	53	M	Conveyance mission identifier	"AB1234"
Transportation Mode	PAX_MAN_MODE	54	54	M	Transportation mode	"K"
Port of Embarkation (POE)	AERIAL_POE	55	57	C	Aerial port of embarkation. Space if type of conveyance is not an aircraft	" "
Port of Debarkation (POD)	AERIAL_POD	58	60	C	Aerial port of debarkation. Space if POE is spaces	" "
Chalk Number	CHALK_NUMBER	61	63	O	May be spaces for air. Spaces if not an air move	" "
Origin GEOLOC Code	GEOLOC	64	67	C	GEOLOC is required if the APOE is not present. Origin GEOLOC Code will be left justified	"XKWS"
Blank	FILLER56	68	123	M	Leave blank	" "
Origin City	ORIGIN_CITY	124	143	O	Point of origin city. If the POE is not provided, complete the field	" "
Origin State	ORIGIN_STATE	144	145	O	Point of origin state or country code. If the POE is not provided, complete the field	" "
Destination GEOLOC Code	GEOLOC	146	149	C	GEOLOC is required if the APOD is not present. Destination GEOLOC Code will be left justified	"CHCQ"

Table 3-14. Passenger Manifest Header (PLM) Transaction Format. (cont'd)

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Blank	FILLER56	150	205	M	Leave blank	“ ”
Destination City	DEST_CITY	206	225	O	Destination city. If the POD is not provided, complete the field	“ ”
Destination State	DEST_STATE	226	227	OC	Destination state or country code. If the POD is not provided, complete the field	“ ”
Departure Date	PAX_MAN_DEPT_DATE	228	234	M	Actual departure date of conveyance (YYYYJJJ)	“1998135”
Departure Time	PAX_MAN_DEPT_TIME	235	238	M	Actual departure time of conveyance (HHMM)	“0600”
Planned Arrival Date	PAX_MAN_ARRIV_DATE	239	245	M	Planned local arrival date. (YYYYJJJ)	“1998136”
Planned Arrival Time	PAX_MAN_ARRV_TIME	246	249	M	Planned local arrival time	“0100”
Carrier Standard Carrier Account Code (SCAC)	CARRIER_ID_CODE	250	253	M	SCAC, AMC, or GOVT	“ UP ”
Carrier Name	CARRIER_NAME	254	293	M	In the clear name of the carrier or organization providing the transportation	“TRAIN ”
Conveyance type	PAX_MAN_TYPE_CONV	294	298	M	May be aircraft model/series; bus type/size	“TRAIN”
Conveyance Number	PAX_MAN_CONV_NUM	299	306	M	Aircraft tail number, bus number, convoy clearance number, etc. Identifying number or code for the conveyance	“ SE3RF ”
Seats Available	PAX_MAN_A_C_LOAD	307	309	O	Number of available seats for the passengers	“ ”
AMC Category of Service	PAX_MAN_CAT_OF_SER	310	310	C	Category of service for AMC aircraft. Other modes leave a space	“ ”

3.2.4.10.3 Passenger Manifest Header (PLM) Transaction Constraints

Each PLM is followed by at least one Passenger Name Record. The PZZ must follow the last PNR for the manifest to process. The “PAX_MANIFEST_ID” field must be unique for all manifests received from TC-AIMS II. Duplication of this field will overwrite a previously received manifest causing loss of data.

3.2.4.10.4 Passenger Manifest Header (PLM) Transaction Example

An example of the PLM transaction is shown in Figure 3-15.

PLM0406981020190106APR1998TCAIMS2	AB1234	K	XKWS
CHCQ			
1998135060019981360100	TRAIN		TRAIN

Figure 3-15. Passenger Manifest Header (PLM) Example.

3.2.4.11 Passenger Name Record (PNR)

3.2.4.11.1 Passenger Name Record (PNR) Description

One Passenger Name record is created for each passenger on the conveyance. The record provides information specific to the person.

3.2.4.11.2 Passenger Name Record (PNR) Format

The format of the Passenger Name Record (PNR) transaction is shown in Table 3-15.

Table 3-15. Passenger Name Record (PNR) Format.

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document ID	DOC_ID	1	3	M	PNR	"PNR"
Manifest Identifier	PAX_MANIFEST_ID	4	17	M	Same as on the manifest header record	"04069810201901"
Person ID	SSN_PERSON_ID	18	26	C	Passenger's SSN or passport number if Host Nation ID is not provided	"533486357"
Grade	RANK_CODE	27	29	M	Validated to TMDS	"COL"
Service Code	RANK_SERVICE_CODE	30	31	M	A = Army, F = Air Force, N = Navy, M = Marine Corps, etc.	"A"
Transportation Priority	TRANS_PRI_CD	32	34	O		" "
Special Passenger Category Code	SPC_PAX_CAT_CODE	35	35	O	Validated to TMDS	" "
PAX Name	PAX_NAME	36	62	M	Last Name, First Initial, Middle Initial	"HARDY DE"

Table 3-15. Passenger Name Record (PNR) Format. (cont'd)

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
PAX Sequence Number	PAX_SEQUENCE_NO	63	65	O	Sequence number or boarding pass number	“ ”
Gender	PAX_GENDER	66	66	M	M = Male, F = Female	“M”
PAX Origin	PAX_CHANNEL_POE	67	69	O	The POE from which the PAX is leaving	“ ”
PAX Destination	PAX_CHANNEL_POD	70	72	O	The POD to which the PAX is destined	“ ”
PAX Reservation Code	PAX_RES_ID_CODE	73	81	O		“ ”
ULN	PAX_ULN_UIC_PIN	82	88	O	A code that identifies the passenger as part of a group. (Left justified)	“ ”
PAX Weight	PAX_WEIGHT_BODY	89	91	O	Weight of the person in pounds	“175”
PAX UIC	PAX_UIC	92	97	M	UIC of the passenger if different from the UIC for the manifest	“WAY7AA ”
PAX UIC Name	PAX_UIC_NAME	98	127	M	The name of the unit	“0002 AR HHT CAV RGT ”
Number of bags	PAX_NO_OF_BAGS	128	128	C	Number of bags per person. Required if bag weight is present	“ ”
Blood Type	BLOOD_TYPE	129	131	M	The passenger’s blood type. If not known, enter UNK	“UNK”
PAX Bag weight	WEIGHT_BAGGAGE	132	134	C	Total weight, in pounds, of the passenger’s baggage, not including carry-on. Leave spaces if passenger baggage is spaces	“ ”
Military Occupational Specialty (MOS)/Air Force Specialty Code (AFSC)	MILITARY_S_CODE	135	145	O	Person’s duty/job code	“2A ”

Table 3-15. Passenger Name Record (PNR) Format. (cont'd)

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Special Duty Indicator	SPC_DUTY_IND	146	147	O	This code identifies the passenger as a Troop Commander (TC), Courier (CO), or Supercargo (SC). May be spaces	“ ”
Host Nation ID	HOST_NATION_ID	148	162	C	Host Nation ID of an individual who does not have a SSN	“ ”

3.2.4.11.3 Passenger Name Record (PNR) Constraints

Each passenger on the conveyance will have one PNR. There is a least one PNR following the PLM. The last PNR in the manifest is followed by one PZZ.

3.2.4.11.4 Passenger Name Record (PNR) Example

An example of the Passenger Name Record PNR transaction is shown in Figure 3-16.

PNR04069810201901533486357COLA	HARDY DE		M
175WAY7AA0002 AR HHT CAV RGT	UNK	12A	

Figure 3-16. Passenger Name Record (PNR) Example.

3.2.4.12 Passenger End Manifest (PZZ)

3.2.4.12.1 Passenger End Manifest (PZZ) Description

A Passenger End Manifest PZZ record contains specific information for a single passenger manifest transaction set and signals the end of that particular manifest. It is used after the last PNR in a passenger manifest transaction set. This record signifies that the manifest is complete.

3.2.4.12.2 Passenger End Manifest (PZZ) Format

The format of the Passenger End Manifest PZZ transaction is shown in Table 3-16.

Table 3-16. Passenger End Manifest (PZZ) Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document	DOC_ID	1	3	M	Always PZZ	“PZZ”

USTCP 171-3.1070 TC-AIMS II
9 October 2003

Identifier						
------------	--	--	--	--	--	--

Table 3-16. Passenger End Manifest (PZZ) Format. (cont'd)

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Transaction Record Count	TRANS_REC_CNT	4	7	M	Integer count of all records in message	"0364"
System Time Local	SYSTEM_TIME_LOCAL	8	18	M	YYYYJJHHMM	"19980961020"
Manifest	MFST	19	22	M	Enter ONLY, FRST, LAST, or spaces	" "
Mission Identifier	T21MISSIONID	23	34	M	Matches PLM record	"B1234 "

3.2.4.12.3 Passenger End Manifest (PZZ) Constraints

The Passenger End Manifest PZZ record must follow an associated PLM and its associated PNR records.

3.2.4.12.4 Passenger End Manifest (PZZ) Example

An example of the Passenger End Manifest PZZ transaction is shown in Figure 3-17.

PZZ336419980961020	AB1234
--------------------	--------

Figure 3-17. Passenger End Manifest (PZZ) Example.

3.2.4.13 Air Manifest Header (TAA) Transaction

3.2.4.13.1 Air Manifest Header (TAA) Transaction Description

The Air Manifest Header (TAA) is the lead transaction in a set of transactions grouped together and sent to GTN as an air manifest. The TAA transaction contains information that applies to all the subordinate transactions that follow it. A TAA signifies that one or more shipment units have been loaded on an aircraft for shipment to a POD and that the shipment units are documented on an air cargo manifest. The TAA record contains specific summary information for a single manifest.

Once sent to GTN, a TAA Manifest Set may be deleted by resending the same manifest with "CANCELMAN" in the Mission Number field, record position 60-68. Do not put any spaces in this field. After the previous manifest has been cancelled, a corrected manifest can be sent to GTN to accurately document the cargo.

3.2.4.13.2 Air Manifest Header (TAA) Transaction Format

The format of the TAA transaction is shown in Table 3-17.

Table 3-17. Air Manifest Header (TAA) Transaction Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document ID	DOC_ID	1	3	M	“TAA” = manifest header record	“TAA”
Carrier ID	CARRIER_CD(TAA)	4	8	M	Normally the operating command. Precede the carrier abbreviation with zeros	“00AMC”
Aircraft Tail Number	ACFT_NBR	9	14	M	Aircraft tail number	“009121”
Flight Depart Hour	FLT_DEP_HR	15	15	M	GMT hour code	“R”
Flight Depart Date	FLT_DEP_DATE	16	23	M	YYYYMMDD	“20030921”
Aircraft Model	ACFT_MODEL	24	26	M		“141”
Aircraft Series	ACFT_SERIES	27	27	M		“B”
Blank	FILLER1	28	28	M	Leave blank	“ ”
Blank	FILLER1	29	29	M	Leave blank	“ ”
APOD	APOD	30	32	C	Destination location for the manifest. Mandatory if Destination GEOLOC is not present	“BLV”
MODE	MODE	33	33	M		“T”
Manifest Reference Code	MFST_REF	34	35	M	Same code is also present in the associated shipment unit transactions	“AA”
Clear Text Destination	CLR_TXT_DEST	36	50	M		“SCOTT AFB IL”
Flight Arrival Hour	FLT_ARR_HR	51	51	O	Space if flight has not arrived at the POD	“R”
Flight Arrival Date	FLT_ARR_DATE	52	59	O	Spaces if flight has not arrived at the POD	“20030423”
Mission Number	TRANS_FLT_NBR	60	68	M	First nine characters of mission identifier. If the manifest is intended to be deleted, enter “CANCELMAN”	“ABA0707X1 ”
Scheduled Origin Day	SCHED_ORIGIN_DAY	69	71	M	Julian date: JJJ	“001”
Manifest Station	MFST_STN	72	74	C	Aerial Port code. Assumed to be manifest origin. Mandatory if Origin GEOLOC is blank	“GUN”
Last Day of Year	YR	75	75	M	Last digit of fiscal year	“8”
Manifest Type	MFST_TYPE	76	76	M	C = Cargo, M = Mail	“C”
Manifest Number	MFST_NBR	77	81	M	Precede with zeros	“00001”
Manifest Weight	MFST_WT	82	87	O	Leading zero. Total cargo weight	“017961”
Manifest Cube	MFST_CUBE	88	92	O	Total cargo cube, leading zeros as needed	“01964”

Table 3-17. Air Manifest Header (TAA) Transaction Format. (cont'd)

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Origin GEOLOC	GEOLOC	93	96	C	GEOLOC Code for the manifest origin. Required if the Manifest Station code is not provided	"HLVC"
Destination GEOLOC	GEOLOC	97	100	C	GEOLOC Code for the manifest destination. Required if the APOD is not provided. If used do not enter APOD	"KLBN"

3.2.4.13.3 Air Manifest Header (TAA) Transaction Constraints

The following constraints apply to the TAA transactions.

- a. The TAA record is used to flag the start of a block of data records and is the first record of a manifest set. A TZZ record terminates the block. Within the block are detail records concerning the manifest. These records detail loose cargo and the cargo on pallets or in containers. A manifest may consist of all palletized cargo, all loose cargo, or a combination. TAB records, with their associated TCMD T_A or T_D prime records, will follow the TAA. If there is a combination of loose cargo and palletized cargo on the manifest, all loose cargo will appear last, preceding the TZZ record. All TAB record sets must follow the TAA.
- b. Each TAB record is followed by one or more TCMD T_D records associated with that pallet. Each TCMD T_D record may be followed by zero or more associated TCMD trailer records, the format of which varies depending on the document identifier on the preceding TCMD record (first three characters).
- c. A single Shipment Unit is identified by a TCMD T_A record. These records identify loose cargo, not cargo loaded on a pallet. TCMDs for loose cargo may also have zero or more trailers records.
- d. The last record of a manifest set is the TZZ record. This non-repeating record always begins with TZZ and marks the end of the manifest. After a TZZ record, another TAA transaction may follow if there is more than one manifest for that mission. All manifests for a specific mission are sent in the same file.
- e. For Unit Movement manifests, TC-AIMS II will employ the provisions of the DTR that allow for use of individual shipment unit (T_A) documentation. As a result, consolidated cargo may be documented using "trailer" transactions rather than individual TCNs for consolidated cargo (T_Ds).
- f. All TAA transactions received from TC-AIMS II in the same fiscal year must have unique data keys to preclude the overwriting of one manifest with a

subsequent manifest. The primary data keys are the Manifest Reference, Manifest Number, and Manifest Station code or Origin GEOLOC, dependent on which location code is used.

An example of the composition of a TAA and TAT manifest set record is shown in Figure 3-18.

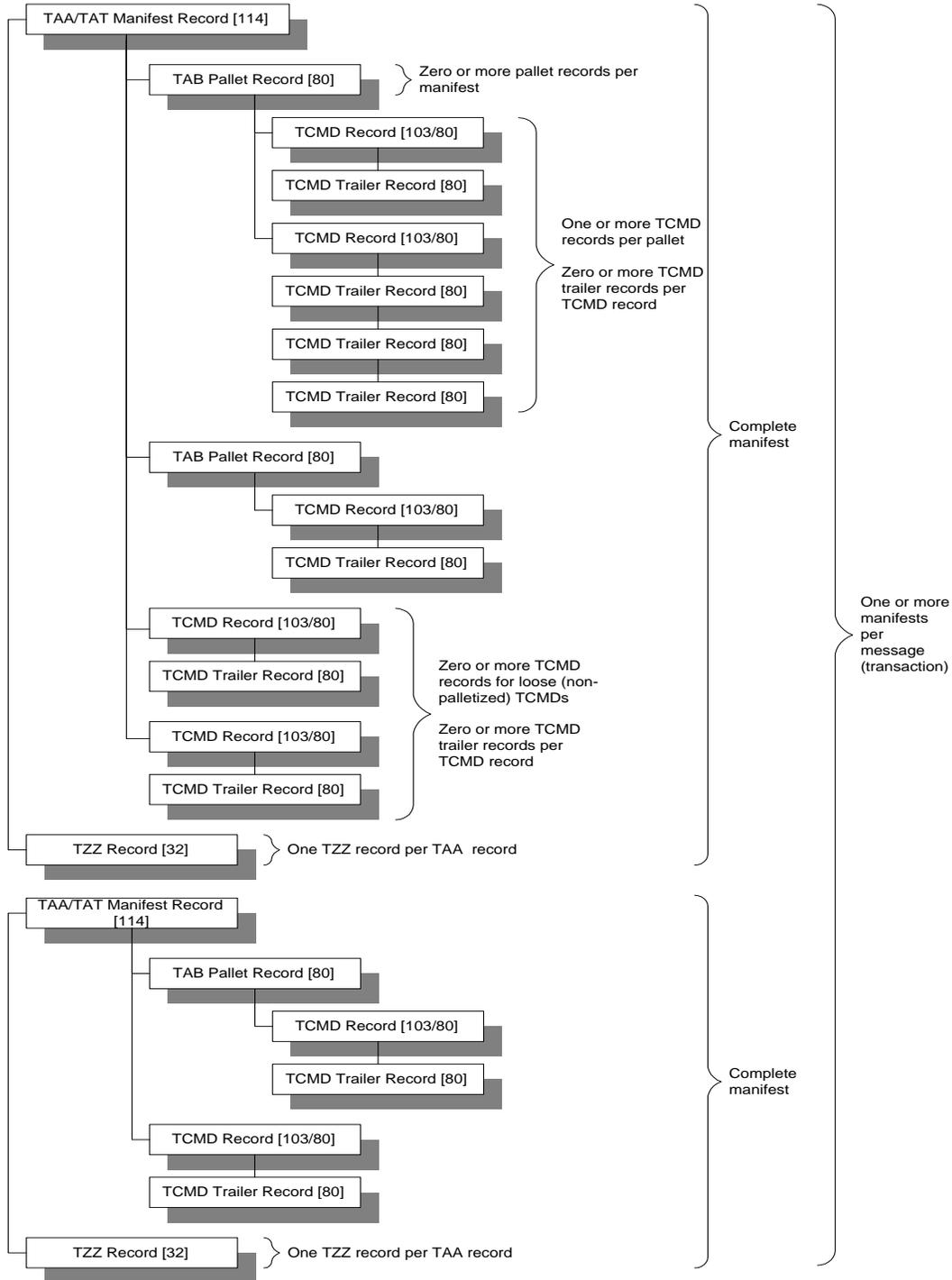


Figure 3-18. Air Manifest Header (TAA) and Truck Manifest Set.

3.2.4.13.4 Air Manifest Header (TAA) Transaction Example

An example of the TAA transaction is shown in Figure 3-19.

TAA00AMC009121R19980921141B BLVIAASCOTT AFB IL R19980423ABA0707X001GUN8C00001017961019641998092118	BLV
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Figure 3-19. Air Manifest Header (TAA) Transaction Example.

3.2.4.14 Truck Manifest Header (TAT) Transaction

3.2.4.14.1 Truck Manifest Header (TAT) Transaction Description

The Truck Manifest Header (TAT) is the lead transaction in a set of transactions grouped together and sent to GTN as a truck manifest. The TAT transaction contains information that applies to all the subordinate transactions that follow it. A TAT signifies that one or more shipment units have been loaded on a truck for shipment and that the shipment units are documented on a truck manifest.

The TAT manifest header record contains specific summary information for a single manifest. It is followed by the same transactions used in an air manifest. However, it does not include the TAA or TZZ. The TAT does not use “^^” as delimiters between transactions.

3.2.4.14.2 Truck Manifest Header (TAT) Transaction Format

The format of the TAT transaction is shown in Table 3-18.

Table 3-18. Truck Manifest Header (TAT) Transaction Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document ID	DOC_ID	1	3	M	“TAT” for truck manifest header	“TAT”
Carrier ID	CARRIER_CD(TAT)	4	8	M	For surface moves it is the SCAC or “GOVT”	“GOVTK”
Truck Serial Number	TRK_SERIAL_NBR(TAT)	9	17	M	Truck number	“ 55555777”
Truck Departure Hour	TRK_DEP_HR	18	18	O	GMT hour code	“ ”
Truck Departure Day	TRK_DEP_DATE	19	26	O		“20030921”
Mode	MODE	27	27	M	Motor code per the DTR	“I”
Manifest Reference	MFST_REF	28	29	M	All associated transactions will have the same code	“AB”
Consignee DoDAAC	CONSIGNEE	30	35	C	Assumed to be manifest destination. Required if Destination GEOLOC field is blank	“FB5270”
Clear Text Destination	CLR_TXT_DEST(TAT)	36	57	M		“18TH SUPPLY SQUADRON K”

Table 3-18. Truck Manifest Header (TAT) Transaction Format. (cont'd)

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Manifest Station	MFST_STN	58	60	C	Aerial Port code. Assumed to be the manifest origin. Required if Origin GEOLOC field is blank	"DNA"
Fiscal Year	YR	61	61	M	Last digit of fiscal year	"8"
Type Manifest	MFST_TYPE	62	62	M	C = Cargo, M = Mail	"C"
Manifest Number	MFST_NBR	63	67	M	Precede with zeros as appropriate	"00006"
Manifest Weight	MFST_WT	68	73	O	Leading zero. Total cargo weight	"000236"
Manifest Cube	MFST_CUBE	74	78	O	Total cargo cube	"00030"
GBL Number	GBL_NBR	79	86	O		" "
Origin GEOLOC	GEOLOC	87	90	C	Origin location code for the manifest. Required if Manifest Station is not provided	"HJKL"
Destination GEOLOC	GEOLOC	91	94	C	Destination location code for the manifest. Required if Consignee is not provided	"NFGB"

3.2.4.14.3 Truck Manifest Header (TAT) Transaction Constraints

The following constraints apply to the TAT transactions.

- a. The TAT record is used to flag the start of a block of data records and is the first record of a truck manifest set. Within the block are detail records concerning the manifest. These records detail loose cargo and the cargo on pallets or in containers. A manifest may consist of all palletized cargo, all loose cargo, or a combination. TAB records with their TCMD or T_D prime records will follow the TAT. If there is a combination of loose cargo and palletized or containerized cargo on the truck manifest, all loose cargo TCMDs will appear after the palletized and containerized TCMDs.
- b. Each TAB record is followed by one or more TCMD T_D records for each shipment unit associated with that pallet. Each TCMD T_D record may be followed by zero or more associated TCMD trailer records, the format of which varies depending on the document identifier on the preceding TCMD prime record (first three characters).
- c. A Single Shipment Unit is identified by a TCMD T_A record. These records identify loose cargo rather than palletized cargo. TCMDs for loose cargo may also have zero or more trailers.

- d. For Unit Movement manifests, TC AIMS II will employ the provisions of the DTR that allow for use of individual shipment unit (T_A) documentation. As a result, consolidated cargo may be documented using “trailer” transactions rather than individual TCNs for consolidated cargo (T_Ds).
- e. All TAT transactions received from TC-AIMS II in the same fiscal year must have unique data keys to preclude the overwriting of one manifest with a subsequent manifest. The primary data keys are the Manifest Reference code, Manifest Number, and Manifest Station code.

3.2.4.14.4 Truck Manifest Header (TAT) Transaction Example

An example of the TAT transaction is shown in Figure 3-20.

TATGOVTK555555777 19980921IZ5FB527018TH SUPPLY SQUADRON
KDNA8C6883200023600030HJKLNFGB

Figure 3-20. Truck Manifest Header (TAT) Record

3.2.4.15 Pallet Header (TAB) Transaction

3.2.4.15.1 Pallet Header (TAB) Transaction Description

The TAB record is included in the air manifest for each pallet on the aircraft going to the same POD and contains summary information about a specific pallet in the manifest. It signifies that one or more shipment units have been loaded on a pallet in the aircraft for shipment to a POD. The pallet header is only present when there are loaded pallets on the departed aircraft.

The TAB record may also be used in association with a TAT manifest set. The TAB documents pallets on a truck.

3.2.4.15.2 Pallet Header (TAB) Transaction Format

The format of the TAB transaction is shown in Table 3-19.

Table 3-19. Pallet Header (TAB) Transaction Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document	DOC_ID	1	3	M	“TAB” = air cargo pallet header	“TAB”
Pallet Designator	MOD_ID	4	5	M	No I, O, or zeros. Local system designation for the pallet	“5R”

Table 3-19. Pallet Header (TAB) Transaction Format. (cont'd)

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Hour Oldest Piece	HR_OLD_PC	6	6	M	Oldest piece of cargo, hour code. Once set for the TAB, stays set for the pallet	"Q"
Date Oldest Piece	DATE_OLD_PC	7	14	M	YYYYMMDD	"19980921"
Grid/Bay Location	CARGO_LOC	15	18	O	Local bay location, may be spaces	"HL1"
Blank	FILLER1	19	19	M	Leave blank	" "
Blank	FILLER1	20	20	M	Leave blank	" "
Hour Shipped	HR_SHIP	21	21	M	Derived from Flt_Dep_hr of TAA. Hour code	"R"
Date Shipped	DATE_SHIP	22	29	M	YYYYMMDD	"19980921"
Blank	FILLER2	30	31	M	Leave blank	" "
Air Dimension Code	AIR_DIM_CD	32	32	C	May be blank when TAB is used in conjunction with a TAT truck manifest	"D"
APOE	APOE	33	35	C	May be blank when TAB is used in conjunction with a TAT truck manifest	"GUN"
APOD	APOD	36	38	C	May be blank when TAB is used in conjunction with a TAT truck manifest	"BLV"
Onward Mode	ON_MODE	39	39	M	The mode of the manifested conveyance	"F"
Manifest Reference	MFST_REF	40	41	M	Same as on TAA or TAT header record	"AA"
Loading DoDAAC	BLDG_ACT	42	47	O	DoDAAC of the activity, other than air terminal, that built the pallet	"FB9901"
Date Configuration Complete	DATE_CONF_COMP	48	55	O	YYYYMMDD	"19980921"
Type Pallet Code	TYPE_MOD_CD	56	56	M	Pallet type. "L" = pallet	"L"
Pallet Serial Number	PALLET_SER_NBR	57	59	M	As assigned by the loading activity	"001 "
Configuration Code	CONFIG_CD	60	61	M		"T2"
Special Handling Code	MOD_TYPE_CARGO	62	62	M		"G"
Consignee	CONSIGNEE	63	68	M	Ultimate consignee DoDAAC	"FB4803"
Priority	PRIORITY	69	69	M	Highest priority of cargo on the pallet	"1"
Special Priority	SPEC_PRTY	70	70	O	May be spaces	" "
Pallet Height	MOD_HGT	71	73	M	Pallet height in inches	"096"

Table 3-19. Pallet Header (TAB) Transaction Format. (cont'd)

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Center of Balance	CTR_BAL	74	76	C	Center of balance of pallet in inches. Required when the configurations code is T#	"015"
Tiedown Used	TIEDOWN	77	77	M		"M"
Equivalent Pallet Positions Used	EQ_PALL_POS	78	79	M	Number of equivalent pallet positions used, decimal is assumed	"20"
Overhang Direction	OVRHNG_DIR	80	80	O	"A" = Aft, "F" = Fore, "B" = Both, or leave spaces	" "
Personal Property Code	PER_PROP_CD	81	81	C	Use when shipping personal property	" "
Protected Cargo Code	PROT_CGO_CD	82	82	O	Enter code if applicable, otherwise leave a space	" "
Blank	FILLER1	83	83	M	Leave blank	" "
Pallet Pieces	MOD_PC	84	87	M	Total number of pieces on the pallet	"0005"
Pallet Weight	MOD_WT	88	92	M	Total weight of the cargo on the pallet	"05062"
Pallet Cube	MOD_CUBE	93	96	M	Total cube of the cargo on the pallet	"0450"

3.2.4.15.3 Pallet Header (TAB) Transaction Constraints

The TAB record must appear following a TAA record, and before any loose cargo records and a TZZ record if there are any pallets on the aircraft. One or more T_D TCMD records, for the shipment unit(s) loaded on the pallet, with their associated trailer records will follow the TAB record. More than one TAB record may appear in a manifest. The prime TCMD records associated with the TAB record will each contain a "D" in the third position of the TCMD's Document Identifier Code (DIC).

If the TAB is on a truck manifest it would come after the TAT record.

3.2.4.15.4 Pallet Header (TAB) Transaction Example

An example of the TAB transaction is shown in Figure 3-21.

TAB5RQ19980921 HL1 R19980921 DGUNBLVFAAFB990119980921L001T2GFB48031 096015M20 0005062500450
--

Figure 3-21. TAB Example.

3.2.4.16 Shipment Units Loaded into All Consolidation Containers (T_D) and Single Shipment Units (T_A) Transaction

3.2.4.16.1 Shipment Units Loaded into All Consolidation Containers (T_D) and Single Shipment Units (T_A) Transaction Description

The TCMD T_D or T_A documents an individual shipment unit. It is used to detail items, which are on a pallet, in a container, or items which are loose. The second position of the DIC indicates the kind of cargo being shipped. The third position of the DIC indicates whether it is palletized/containerized (D) or loose (A). The T_D follows the prime TCMD (T_B/C) and its associated trailer records. All shipment units being shipped on the aircraft will have a TCMD (T_A/D) to document the cargo.

3.2.4.16.2 Shipment Units Loaded into All Consolidation Containers (T_D) and Single Shipment Units (T_A) Transaction Format

The format of the Shipment Units Loaded on 463L Pallets T_D and the Single Shipment Unit T_A transaction is shown in Table 3-20. The format of the Shipment Unit Loaded into a Consolidation Container T_D is shown in Table 3-21.

Table 3-20. Shipment Units Loaded on 463L Pallets (T_D) and Single Shipment Units (T_A) Transaction Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_D palletized cargo, T_A loose cargo	“TXD”
Pallet Designator	MOD_ID	4	5	C	For a T_D this is the pallet designator on which the shipment is loaded. Spaces or 99 on a T_A. (AMC recognizes 99 as loose cargo)	“5S”
Hour Received	HR_RCVD	6	6	M	Hour code shipment received at POE	“G”
Date Received	DATE_RCVD	7	8	M	Last two digits of Julian date	“89”
Consignor	CONSIGNOR	9	14	C	DoDAAC of consignor. Provided if available	“FE4819”
Hour Shipped	HR_SHIP	15	15	M	Derived from Flt_Dep_Hr of TAA	“R”
Date Shipped	DATE_SHIP	16	23	M	YYYYMMDD	“19980921”
Air Commodity	AIR_CMDTY_CD	24	25	C	May be blank when used with a TAT truck manifest	“AN”
Air Dimension Code	AIR_DIM_CD	26	26	C	May be blank when used with a TAT truck manifest	“A”

Table 3-20. Shipment Units Loaded on 463L Pallets (T_D) and Single Shipment Units (T_A) Transaction Format. (cont'd)

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
APOE	APOE	27	29	C	Air terminal identifier. May be blank if MILAIR code was not provided in the manifest header record	"GUN"
APOD	APOD	30	32	C	Air terminal identifier. May be blank if MILAIR code was not provided in the manifest header record	"BLV"
MODE	MODE	33	33	M		"F"
Manifest Reference Code	MFST_REF	34	35	M	Same as on TAA record	"AA"
TCN	TCN	36	52	M	TCN of the shipment unit	"SW30112282X804XXX"
Consignee	CONSIGNEE	53	58	C	DoDAAC of consignee. Provided if available	"FB4608"
Priority	PRIORITY	59	59	M	Transportation priority of the shipment unit	"1"
RDD	RDD	60	62	O	May be spaces	"999"
Project Code	PROJECT	63	65	O	May be spaces	" "
Hour Processed	HR_PROC	66	66	M	Hour code processed by the system	"Q"
Date Processed	DATE_PROC	67	74	M	YYYYMMDD	"19980921"
Blank	FILLER1	75	75	M	Leave blank	" "
TAC	TAC	76	79	M	TAC of the shipment unit	"F8A0"
Pieces	PR_DOC_PC	80	83	M	Total number of pieces in the shipment unit	"0001"
Weight	PR_DOC_WT	84	88	M	Total weight of the shipment unit	"01000"
Cube	PR_DOC_CUBE	89	92	M	Total cube of the shipment unit	"0250"

Table 3-21. Shipment Units Loaded into Consolidation Containers (T_D) Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_D containerized cargo	"TXD"
CONEX, Unitized Pallet or Other Consolidation Container Number	CONT_TRL_NBR	4	8	M	For a T_D, this is the number of the container (T_B or T_C) in which the shipment is loaded	"V1234"

Table 3-21. Shipment Units Loaded into Consolidation Containers (T_D) Format. (cont'd)

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Consignor	CONSIGNOR	9	14	C	DoDAAC of consignor. Provided if available	“FB4819”
Hour Shipped	HR_SHIP	15	15	M	Hour code. Matches the Flight Depart Hour or Truck Departure Hour in the manifest header record	“R”
Date Shipped	DATE_SHIP	16	23	M	Matches the Flight Depart Date or Truck Departure Day in the manifest header record. YYYYMMDD	“19980921”
Air Commodity	AIR_CMDTY_CD	24	25	C	May be blank when used with a TAT truck manifest	“AZ”
Air Dimension Code	AIR_DIM_CD	26	26	C	May be blank when used with a TAT truck manifest	“A”
APOE	APOE	27	29	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	“GUN”
APOD	APOD	30	32	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	“BLV”
MODE	MODE	33	33	M		“F”
Manifest Reference Code	MFST_REF	34	35	M	Same as on TAA record	“AA”
TCN	TCN	36	52	M	TCN of the shipment unit	“SW30112282X804XXX”
Consignee	CONSIGNEE	53	58	C	DoDAAC of consignee. Provided if available	“FB4608”
Priority	PRIORITY	59	59	M	Transportation priority of the shipment unit	“1”
RDD	RDD	60	62	O	May be spaces	“999”
Project Code	PROJECT	63	65	O	May be spaces	“ ”
Hour Processed	HR_PROC	66	66	M	Hour code processed by the system	“Q”
Date Processed	DATE_PROC	67	74	M	YYYYMMDD	“19980921”
Blank	FILLER1	75	75	M	Leave blank	“ ”
TAC	TAC	76	79	M	TAC of the shipment unit	“F8A0”
Pieces	PR_DOC_PC	80	83	M	Total number of pieces in the shipment unit	“0001”
Weight	PR_DOC_WT	84	88	M	Total weight of the shipment unit	“01000”
Cube	PR_DOC_CUBE	89	92	M	Total cube of the shipment unit	“0250”

3.2.4.16.3 Shipment Units Loaded into All Consolidation Containers (T_D) and Single Shipment Units (T_A) Transaction Constraints

The following constraints apply to the T_D and T_A transactions.

- a. The T_D TCMD record must appear after the TCMD TAB, T_B, or T_C of the container/pallet that the cargo is loaded in/on.
- b. If the cargo item is not palletized/containerized, the T_A TCMD record will follow the last T_D record and its trailers, if any, or follow the TAA record if there are no TAB, T_B, or T_C record sets.
- c. The T_A and T_D TCMD record may or may not be followed by associated TCMD trailer records further describing the shipment unit.

3.2.4.16.4 Shipment Units Loaded into All Consolidation Containers (T_D) and Single Shipment Units (T_A) Transaction Example

An example of the T_D or T_A transaction is shown in Figure 3-22.

TXDVI234FB4819R19980921AZAGUNBLVFAASW30112282X804XXXFB46081999 Q19980921 F8A00001010000250

Figure 3-22. Shipment Units Loaded into All Consolidation Containers (T_D) TCMD Transaction Example.

3.2.4.17 Loaded RORO (T_B)

3.2.4.17.1 Loaded RORO (T_B) Description

The T_B is a prime TCMD and documents a RORO container that contains one or more shipment units. The T_B documents items being airlifted and is therefore associated with an air manifest. T_B may also be used in association with a TAT to document a RORO on a truck.

3.2.4.17.2 Loaded RORO (T_B) Format

The format of the T_B transaction is shown in Table 3-22.

Table 3-22. Loaded RORO (T_B) Transaction Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_B	"TXB"
Container/Trailer Number	CONT_TRL_NBR	4	8	M	RORO container numbers	"V1234"
Loading activity DoDAAC	BLDG_ACT	9	14	M	DoDAAC of activity that loaded the RORO	"FB9901"

Table 3-22. Loaded RORO (T_B) Transaction Format. (cont'd)

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Hour Shipped	HR_SHIP	15	15	O	Hour code shipment shipped from POE	"R"
Date Shipped	DATE_SHIP	16	23	O	Day shipment shipped from POE. YYYYMMDD	"19980221"
Air Commodity Code	AIR_CMDTY_CD	24	25	C	May be blank when used with a TAT truck manifest	"VZ"
Air Dimension Code	AIR_DIM_CD	26	26	C	May be blank when used with a TAT truck manifest	"D"
APOE	APOE	27	29	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	"GUN"
APOD	APOD	30	32	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	"BLV"
Mode to POE	MODE	33	33	C	Mode delivered to the POE. If loaded at the POE leave a space	"2"
Manifest Reference Code	MFST_REF	34	35	M		"AA"
RORO TCN	TCN_CONT	36	52	M	TCN of the RORO	"AWAB0B0\$0F00130XX"
Consignee	CONSIGNEE	53	58	C	DoDAAC for the consignee of the RORO. Provided if available	"FB4608"
Trans Priority	PRIORITY	59	59	M	Highest priority of any shipment unit in the RORO	"4"
Earliest RDD	RDD	60	62	M	Earliest RDD of any shipment unit in the RORO	"239"
Project Code	PROJECT	63	65	M	Project code	"R52"
Hour Processed	HR_PROC	66	66	M	Hour code shipment processed by the system at the POE	"G"
Date Processed	DATE_PROC	67	74	M	Day shipment processed by the system at the POE. YYYYMMDD	"19980423"
Blank	FILLER1	75	75	M	Leave blank	" "
TAC	TAC	76	79	M	TAC of the shipment unit	" "
RORO Quantity	CONT_QTY	80	83	M	1	"0001"
Total Weight	CONT_TOT_WT	84	88	M	Weight, in pounds, of RORO and its contents. Leading zeros if necessary	"02000"
Gross Cube	VAN_CUBE_CAP	89	92	M	Gross cubic feet of RORO. Leading zeros if necessary	"1320"

3.2.4.17.3 Loaded RORO (T_B) Constraints

The T_B must be followed by at least one TCMD (T_D) prime record for a shipment unit loaded in the RORO. The T_B and its associated T_Ds, with or without trailer records, will come before any single shipment unit T_A records and after any TAB and its associated prime and trailer records on the manifest.

3.2.4.17.4 Loaded RORO (T_B) Example

An example T_B is shown in Figure 3-23.

TXBV1234FB9901R19980917VZDGDUNBLV2AAAWAB0B0\$0F00130XXFB46084239R52G19980423
0001020001320

Figure 3-23. Loaded RORO (T_B) Example.

3.2.4.18 Loaded SEAVAN/MILVAN (T_B)

3.2.4.18.1 Loaded SEAVAN/MILVAN (T_B) Description

The T_B is a prime TCMD record and describes information about a loaded SEAVAN/MILVAN. T_B documents items being airlifted and is therefore associated with an air manifest. The T_B may also be used in association with a TAT to document containers on a truck.

3.2.4.18.2 Loaded SEAVAN/MILVAN (T_B) Format

The format of the T_B transaction is shown in Table 3-23.

Table 3-23. Loaded SEAVAN/MILVAN (T_B) Transaction Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_B	“TXB”
SEAVAN/ MILVAN Trailer Number	CONT_TRL_NBR	4	8	M	Last five digits of the SEAVAN/MILVAN number	“55555”
Ownership Code	SEAVAN/MILVAN _OWN_CD	9	12	M		“ACSL”
Used VAN Length	USED_VAN_LN	13	14	M	Length, in feet, of van space used	“40”
Hour Shipped	HR_SHIP	15	15	O	Hour code shipment shipped from POE	“R”
Date Shipped	DATE_SHIP	16	23	O	Day shipment shipped from POE. YYYYMMDD	“19980921”
Air Commodity Code	AIR_CMDTY_CD	24	25	C	May be blank when used with a TAT truck manifest	“VZ”
Air Dimension Code	AIR_DIM_CD	26	26	C	May be blank when used with a TAT truck manifest	“D”

Table 3-23. Loaded SEAVAN/MILVAN (T_B) Transaction Format. (cont'd)

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
APOE	APOE	27	29	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	"GUN"
APOD	APOD	30	32	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	"BLV"
Mode to POE	MODE	33	33	M	Mode to deliver containers to the port	"A" (Motor)
Manifest Reference Code	MFST_REF	34	35	M	Same as on TAA	"AA"
SEAVAN/MILVAN TCN	TCN_CONT	36	52	M	TCN of the SEAVAN/MILVAN	"AWAB0B0\$0F00450XX"
Consignee	CONSIGNEE	53	58	C	DoDAAC for the consignee of the VAN. Enter intermediate stopoff consignees and final consignee in one or more T_Is. Provided if available	"FB4608"
Trans Priority	PRIORITY	59	59	M	Highest priority of any shipment unit in the SEAVAN/MILVAN	"1"
Earliest RDD	RDD	60	62	M	Earliest RDD of any shipment unit in the SEAVAN/MILVAN	"240"
Project Code	PROJECT	63	65	M	Project code	"R52"
Hour Processed	HR_PROC	66	66	M	Hour code shipment processed by the system at the POE	"G"
Date Processed	DATE_PROC	67	74	M	Day shipment processed by the system at the POE YYYYMMDD	"19980423"
Blank	FILLER1	75	75	M	Leave blank	" "
TAC	TAC	76	79	O	TAC of the shipment unit	" "
SEAVAN/MILVAN Quantity	CONT_QTY	80	83	M	For MILVANs, enter 0001. For SEAVANs, enter total number of pieces in van. Leading zeros	"0001"
Total Weight	CONT_TOT_WT	84	88	M	Weight of MILVAN and its contents or weight of SEAVAN's contents. Leading zeros as necessary	"02000"
Gross Cube	MOD_CUBE	89	92	M	MILVAN, enter outside cube of van. For SEAVAN, enter total cube of the van contents. Leading zeros	"1320"

3.2.4.18.3 Loaded SEAVAN/MILVAN (T_B) Constraints

Each T_B record may be followed by zero, one, or more trailer (T_E, F, G, or I) records that apply specifically to the container. The T_B record is followed by at least one associated prime shipment unit TCMD (T_D) with its associated trailer (T_E, F, G, I) TCMDs. The T_B comes after TAB records on the manifest. It precedes prime TCMDs for single shipment units, T_A.

3.2.4.18.4 Loaded SEAVAN/MILVAN (T_B) Example

An example of T_B is shown in Figure 3-24.

TXB55555ACSL40R19980921VZDGUNBLVAAAAWAB0B0\$0F00450XXFB46081240R52G19980423
0001020001320

Figure 3-24. Loaded SEAVAN/MILVAN (T_B) Example.

3.2.4.19 Loaded CONEX, Unitized Pallet, and All Consolidation Containers (T_C)

3.2.4.19.1 Loaded CONEX, Unitized Pallet, and All Consolidation Containers (T_C) Description

The T_C is a prime TCMD record, which documents a loaded consolidation container that contains one or more shipment units. In this case, the container is not a RORO, SEAVAN, MILVAN, or 463L pallet. The T_C may be used to document a vehicle and its loads. It documents cargo being airlifted and is therefore associated with an air manifest. The T_C may also be associated with a TAT and document a consolidation unit on a truck.

3.2.4.19.2 Loaded CONEX, Unitized Pallet, and All Consolidation Containers (T_C) Format

The format for T_C documenting a CONEX, unitized pallet, or other consolidation container not loaded into another outer container, is shown in Table 3-24a. The format for T_C documenting a CONEX, unitized pallet, or other consolidation container loaded into another outer container, is shown in Table 3-24b.

Table 3-24a. Loaded CONEX, Unitized Pallet and All Consolidation Containers (T_C) (not loaded into another container) Transaction Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_C	“TXC”
CONEX, Unitized Pallet or Other Consolidation Container Trailer Number	CONT_TRL_NBR	4	8	M	Number marked on the consolidation container	“23234”

Table 3-24a. Loaded CONEX, Unitized Pallet, and All Consolidation Containers (T_C) (not loaded into another container) Transaction Format. (cont'd)

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Loading activity DoDAAC	BLDG_ACT	9	14	M	Enter DoDAAC of activity that loaded the consolidation container	"WIGBE4"
Hour Shipped	HR_SHIP	15	15	O	Hour code shipment shipped from POE	"R"
Date Shipped	DATE_SHIP	16	23	O	Day shipment shipped from POE. YYYYMMDD	"19980423"
Air Commodity Code	AIR_CMDTY_CD	24	25	C	May be blank when used with a TAT truck manifest	"VM"
Air Dimension Code	AIR_DIM_CD	26	26	C	May be blank when used with a TAT truck manifest	"D"
APOE	APOE	27	29	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	"GUN"
APOD	APOD	30	32	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	"BLV"
Mode to POE	MODE	33	33	M	Mode used to deliver container to the port	"F"
Manifest Reference Code	MFST_REF	34	35	M		"AA"
TCN	TCN_CONT	36	52	M	TCN of the container	"AWAD1A0\$0 F00040XX"
Consignee	CONSIGNEE	53	58	C	DoDAAC for the consignee of the CONEX, unitized pallet, or other consolidation container. Provided if available	"W16GIG"
Trans Priority	PRIORITY	59	59	M	Highest priority of any shipment unit in the CONEX, unitized pallet, or other consolidation container	"1"
Earliest RDD	RDD	60	62	C	Earliest RDD of any shipment unit in the CONEX, unitized pallet, or other consolidation container. If no RDDs are marked, leave spaces	"163"
Project Code	PROJECT	63	65	O	Enter project code if any, otherwise leave spaces	" "
Hour Processed	HR_PROC	66	66	M	Hour code shipment processed by the system at the POE	"G"
Date Processed	DATE_PROC	67	74	M	Day shipment processed by the system at the POE. YYYYMMDD	"19980921"
Blank	FILLER1	75	75	M	Leave blank	" "
TAC	TAC	76	79	M	TAC of the shipment unit	"F8A0"
CONEX, Unitized Pallet, or Other Consolidation Container Quantity	CONT_QTY	80	83	M		"0001"

Table 3-24a. Loaded CONEX, Unitized Pallet, and All Consolidation Containers (T_C) (not loaded into another container) Transaction Format. (cont'd)

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Total Weight	CONT_TOT_WT	84	88	M	Weight, in pounds, of CONEX, unitized pallet, or other consolidation container and its contents. Leading zeros	"05300"
Gross Cube	VAN_CUBE_CAP	89	92	M	Gross cubic feet of CONEX, unitized pallet, or other consolidation container. Leading zeros	"0017"

Table 3-24b. Loaded CONEX, Unitized Pallet, and All Consolidation Containers (T_C) (loaded into another container) Transaction Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_C	"TXC"
Container/Trailer Number	CONT_TRL_NBR	4	8	M	Enter the RORO, SEAVAN/MILVAN number in rp 4-8 when the consolidation container is further loaded into a RORO, SEAVAN/MILVAN	"V3234"
CONEX, Unitized Pallet, or Other Consolidation Container Trailer Number	CONT_TRL_NBR(SUB)	9	14	M	Enter the consolidation container's number in rp 9-14 and leave a space in rp 14 when the consolidation container is further loaded into a RORO, SEAVAN/MILVAN	"123456"
Hour Shipped	HR_SHIP	15	15	M	Hour code shipment shipped from POE	"R"
Date Shipped	DATE_SHIP	16	23	M	Day shipment shipped from POE. YYYYMMDD	"19980423"
Air Commodity Code	AIR_CMDTY_CD	24	25	C	May be blank when used with a TAT truck manifest	"RZ"
Air Dimension Code	AIR_DIM_CD	26	26	C	May be blank when used with a TAT truck manifest	"Z"
APOE	APOE	27	29	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	"PQS"
APOD	APOD	30	32	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	"RCU"
Mode to POE	MODE	33	33	M	Mode used to deliver container to the port	"F"
Manifest Reference Code	MFST_REF	34	35	M		"AA"

**Table 3-24b. Loaded CONEX, Unitized Pallet, and All Consolidation Containers (T_C)
(loaded into another container) Transaction Format. (cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
TCN	TCN_CONT	36	52	M	TCN of the container	“AWAD1A0\$0F00040XX”
Consignee	CONSIGNEE	53	58	C	DoDAAC for the consignee of the CONEX, unitized pallet, or other consolidation container. Provided if available	“W16GIG”
Trans Priority	PRIORITY	59	59	M	Highest priority of any shipment unit in the CONEX, unitized pallet, or other consolidation container	“1”
Earliest RDD	RDD	60	62	C	Earliest RDD of any shipment unit in the CONEX, unitized pallet, or other consolidation container. If no RDDs are marked, leave spaces	“163”
Project Code	PROJECT	63	65	O	Enter Project Code if any, otherwise leave spaces	“ ”
Hour Processed	HR_PROC	66	66	M	Hour code shipment processed by the system at the POE	“G”
Date Processed	DATE_PROC	67	74	M	Day code shipment processed by the system at the POE. YYYYMMDD	“19980921”
Stopoff Delivery	STOPOFF_DELIVERY_CODE	75	75	O	When the consolidation container is loaded in a RORO, SEAVAN, or MILVAN enter the code to indicate if the shipment units are to be delivered to the RORO, MILVAN, or SEAVAN consignee or at a stopoff point	
TAC	TAC	76	79	M	TAC of the shipment unit	“F8A0”
CONEX, Unitized Pallet, or Other Consolidation Container Quantity	CONT_QTY	80	83	M	1	“0001”
Total Weight	CONT_TOT_WT	84	88	M	Weight, in pounds, of CONEX, unitized pallet, or other consolidation container and its contents. Leading zeros	“05300”
Gross Cube	VAN_CUBE_CAP	89	92	M	Gross cubic feet of CONEX, unitized pallet, or other consolidation container. Leading zeros	“0017”

3.2.4.19.3 Loaded CONEX, Unitized Pallet, and All Consolidation Containers (T_C) Constraints

The T_C must be followed by at least one TCMD (T_D) record for a shipment unit loaded in the CONEX, unitized pallet, or other consolidation container. It follows T_Bs, if any, and precedes single shipment units T_A TCMDs on a manifest.

3.2.4.19.4 Loaded CONEX, Unitized Pallet, and All Consolidation Containers (T_C) Example

An example of T_C is shown in Figure 3-25.

TXC23234WIGBE4R19980423VMDGUNBLVFAAAWAD1A0\$0F00040XXW16GIG1163 G19980921 F8A00001053000017
--

Figure 3-25. Loaded CONEX, Unitized Pallet, and All Consolidation Containers (T_C) Example.

3.2.4.20 Outsized Dimensions (T_E) Transaction

3.2.4.20.1 Outsized Dimensions (T_E) Transaction Description

The Outsized Dimensions trailer record is required for outsized cargo and for Government vehicles, trailers, wheeled/tracked guns, and aircraft. An Outsized Dimensions record is associated with a prime TCMD, T_A, or T_D record. The Outsized Dimensions record is tied to the TCMD record through the TCN and Document Identification (DOC_ID). The first two positions of the DOC_ID on the Outsized Dimensions record match the associated TCMD record. There are multiple formats for the T_E: one for Government vehicles, trailers, wheeled guns, and aircraft being shipped to other than Central and South America; one for Government vehicles, trailers, wheeled guns, and aircraft being shipped to Central and South America; and one for outsized cargo.

3.2.4.20.2 Outsized Dimensions (T_E) Transaction Format

The format of the T_E for Government vehicles, trailers, wheeled guns, and aircraft not being shipped to Central or South America is shown in Table 3-25a. The format of the T_E for Government vehicles, trailers, wheeled guns, and aircraft being shipped to Central or South America is shown in Table 3-25b. The format of the T_E for outsized cargo is shown in Table 3-25c.

Table 3-25a. Government Vehicles, Trailers, Wheeled Guns, and Aircraft (TVE) Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	TVE. Second position matches associated prime TCMD record	"TVE"
Pallet Designator	MOD_ID	4	5	C	Matches data from the prime TCMD record	"58"
Hour Received	HR_RCVD	6	6	M	Matches data from the prime TCMD record	"A"
Date Received	DATE_RCVD	7	8	M	Matches data from the prime TCMD record	"98"
Model	MODEL	9	14	O	Model of the aircraft, vehicle, trailer, etc.	"M35A2"

**Table 3-25a. Government Vehicles, Trailers, Wheeled Guns, and Aircraft (TVE) Format.
(cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Basic Issue Items	BASIC_ISSUE_ITEM	15	19	O	For Government vehicles and trailers, BII is in first three positions and number of pieces in last two	"BII02"
Blank	FILLER6	20	25	M	Leave blank	" "
Air Dimension Code	AIR_DIM_CD	26	26	C	May be blank when used with a TAT truck manifest	"A"
POE	POE	27	29	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	"DOV"
POD	POD	30	32	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	"RMS"
Mode to POE	MODE	33	33	M	Same as prime TCMD data entry	"I"
Manifest Reference Code	MFST_REF	34	35	M	Same as TCMD	"AB"
TCN	TCN	36	52	M	Same as prime TCMD data entry	"SW30112282 X804XXX"
Consignee	CONSIGNEE	53	58	C	Same as prime TCMD data entry. Provided if available	"WK4FDK"
Priority	PRIORITY	59	59	M	Same as prime TCMD data entry	"1"
Cargo Length	CARGO_LTH	60	64	M	Length in inches. Left zero fill	"00123"
Length Indicator	L_CONSTANT	65	65	M	Indicates the dimensions in position 60-64 is the length	"L"
Cargo Width	CARGO_WTH	66	68	M	Width in inches. Left zero fill	"089"
Width Indicator	W_CONSTANT	69	69	M	W indicates the dimensions in position 66-68 is the width	"W"
Cargo Height	CARGO_HT	70	72	M	Height in inches. Left zero fill	"034"
Height Indicator	H_CONSTANT	73	73	M	H indicates the dimensions in position 70-72 is the height	"H"
Serial Number	SERIAL_NBR	74	86	O	Enter serial number of single vehicle shipment unit. However, for multiple vehicle shipments, leave spaces	" "

Table 3-25b. Government Vehicles, Trailers, Wheeled Guns, and Aircraft Shipped to Central and South America (TVE) Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	TVE. For shipments of vehicles to Central and South America, a TVI trailer entry indicating the vehicle make and year in rp 54-79 is required	"TVE"
Pallet Designator	MOD_ID	4	5	C	Matches data from the prime TCMD record	"5S"
Hour Received	HR_RCVD	6	6	M	Matches data from the prime TCMD record	"A"
Date Received	DATE_RCVD	7	8	M	Matches data from the prime TCMD record	"97"
Abbreviated Nomenclature	NOMENCLATURE	9	14	M	Nomenclature for the shipment unit that is a Government vehicle, trailer, wheeled/tracked gun, or aircraft that is being shipped to Central or South America	"Trk, C"
Basic Issue Items	BASIC_ISSUE_ITEM	15	19	O	For Government vehicles and trailers, BII is in first three positions and number of pieces in last two. For all others, enter the commodity code from TCMD	"BII02 "
Blank	FILLER6	20	25	M	Leave blank	" "
Air Dimension Code	AIR_DIM_CD	26	26	C	May be blank when used with a TAT truck manifest	"A"
POE	POE	27	29	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	"DOV"
POD	POD	30	32	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	"RMS"
Mode to POE	MODE	33	33	M	Same as prime TCMD data entry	"I"
Manifest Reference Code	MFST_REF	34	35	M	Same as TCMD	"AB"
TCN	TCN	36	52	M	Same as prime TCMD data entry	"SW30112282X 804XXX"
Consignee	CONSIGNEE	53	58	C	Same as prime TCMD data entry. Provided if available	"WK4FDK"
Priority	PRIORITY	59	59	M	Same as prime TCMD data entry	"1"
Cargo Length	CARGO_LTH	60	64	M	Length in inches. Left zero fill	"00123"
Length indicator	L_CONSTANT	65	65	M	"L" indicates the dimensions in position 60-64 is the length	"L"
Cargo Width	CARGO_WTH	66	68	M	Width in inches. Left zero fill	"089"
Width Indicator	W_CONSTANT	69	69	M	"W" indicates the dimensions in position 66-68 is the width	"W"

Table 3-25b. Government Vehicles, Trailers, Wheeled Guns, and Aircraft Shipped to Central and South America (TVE) Format. (cont'd)

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Cargo Height	CARGO_HT	70	72	M	Height in inches. Left zero fill	"034"
Height Indicator	H_CONSTANT	73	73	M	"H" indicates the dimensions in position 70-72 is the height	"H"
Serial Number	SERIAL_NBR	74	86	O	Enter serial number of single vehicle shipment unit. However, for multiple vehicle shipments, leave spaces	" "

Table 3-25c. Outsized Dimensions (T_E) Transaction Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_5. Second position matches associated prime TCMD record. (Other than a TV5)	"TX5"
Pallet Designator	MOD_ID	4	5	C	Matches data from the prime TCMD record	" 5S"
Hour Received	HR_RCVD	6	6	M	Matches data from the prime TCMD record	"R"
Date Received	DATE_RCVD	7	8	M	Matches data from the prime TCMD record	"98"
Model	MODEL	9	14	C		" "
Blank	FILLER3	15	17	M	Leave blank	" "
Blank	FILLER6	18	23	M	Leave blank	" "
Air Commodity Code	AIR_CMDTY_CD	24	25	C	May be blank when used with a TAT truck manifest	"VM"
Air Dimension Code	AIR_DIM_CD	26	26	C	May be blank when used with a TAT truck manifest	"Z "
POE	POE	27	29	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	"PCS"
POD	POD	30	32	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	"RCU"
Mode to POE	MODE	33	33	M	Same as prime TCMD data entry	"K"
Manifest Reference Code	MFST_REF	34	35	M	Same as TCMD	"AB"
TCN	TCN	36	52	M	Same as prime TCMD data entry	"AWAD1A0\$0D00150XX"
Consignee	CONSIGNEE	53	58	C	Same as prime TCMD data entry. Provided if available	"W16G1G"

Table 3-25c. Outsized Dimensions (T_E) Transaction Format. (cont'd)

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Priority	PRIORITY	59	59	M	Same as prime TCMD data entry	"1"
Cargo Length	CARGO_LTH	60	64	M	Length in inches. Left zero fill	"00168"
Length Indicator	L_CONSTANT	65	65	M	"L" indicates the dimensions in position 60-64 is the length	"L"
Cargo Width	CARGO_WTH	66	68	M	Width in inches. Left zero fill	"104"
Width Indicator	W_CONSTANT	69	69	M	"W" indicates the dimensions in position 66-68 is the width	"W"
Cargo Height	CARGO_HT	70	72	M	Height in inches. Left zero fill	"080"
Height Indicator	H_CONSTANT	73	73	M	"H" indicates the dimensions in position 70-72 is the height	"H"
Pieces	PR_DOC_PC	74	77	M	Number of pieces to which above dimensions apply	"0001"
Piece Weight	PR_DOC_WT	78	82	M	Weight of one of the pieces to which dimensions apply. TCMD prime has total	"03500"
Piece Cube	PR_DOC_CUBE	83	86	M	Cube of one of the pieces. TCMD has total	"0017"

3.2.4.20.3 Outsized Dimensions (T_E) Transaction Constraints

The T_E record must follow its associated TCMD record. Comment trailer records (T_I), which match the first two positions of the document ID may occur after the T_E record as well as other trailer records.

3.2.4.20.4 Outsized Dimensions (T_E) Transaction Example

An example of the T_E transaction is shown in Figure 3-26.

TX55SR98 VMZPCSRCUKABAWAD1A0\$0D00150XXW16G1G100168L104W080H0001035000017
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Figure 3-26. Outsized Dimensions (T_E) Transaction Example.

3.2.4.21 Ammunitions and Explosives (TEF), Hazardous Materials (TJF), and Stock Number (T_F) Transaction

3.2.4.21.1 Ammunitions and Explosives (TEF), Hazardous Materials (TJF), and Stock Number (T_F) Transaction Description

Ammunitions and Explosives, Hazardous Materials, and Stock Number trailer records are required to be associated with a TCMD record for single shipment units not in a consolidation container. The Ammunitions and Explosives, Hazardous Materials, and Stock Number trailer

record is tied to the TCMD record through the TCN and DOC_ID. The first two positions of the DOC_ID on the Ammunitions and Explosives, Hazardous Materials, and Stock Number trailer record match the associated TCMD record.

The T_F has two formats. The formats are dependent on the code in the second position of the document identifier. The TEF is for ammunitions and explosives. TJF is for other hazardous material. T_F format is for stock-numbered items that are not ammunitions, explosives, or other hazardous material.

3.2.4.21.2 Ammunitions and Explosives (TEF), Hazardous Materials (TJF), and Stock Number (T_F) Transaction Format

The formats of the Ammunitions and Explosives (TEF), Hazardous Materials (TJF), and Stock Number (T_F) transactions are shown in Tables 3-26a and 3-26b.

Table 3-26a. Ammunitions and Explosives (TEF) and Hazardous Materials (TJF) Transaction Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	Second position of the DOC_ID matches the TCMD, either J or E	“TEF”
Pallet Designator	MOD_ID	4	5	C	Matches prime TCMD. Will be the pallet designator if loaded on a pallet	“5S”
Hour Received	HR_RCVD	6	6	M	Matches TCMD	“G”
Date Received	DATE_RCVD	7	8	M	Matches TCMD	“98”
Round Count	COUNT	9	14	C	Total round count or number followed by M (thousands). Leave blank for other than ammunition	“000001”
Hour Shipped	HR_SHIP	15	15	M	Matches prime TCMD	“Q”
Date Shipped	DATE_SHIP	16	23	M	Matches prime TCMD YYYYMMDD	“19980921”
Air Commodity	AIR_CMDTY_CD	24	25	C	May be blank when used with a TAT truck manifest	“M”
Air Dimension Code	AIR_DIM_CD	26	26	C	May be blank when used with a TAT truck manifest	“A”
APOE	APOE	27	29	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	“DOV”
APOD	APOD	30	32	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	“RMS”
MODE	MODE	33	33	M	Matches prime TCMD data entry	“T”
Manifest Reference	MFST_REF	34	35	M	Matches prime TCMD data entry	“AB”

Table 3-26a. Ammunitions and Explosives (TEF) and Hazardous Materials (TJF) Transaction Format. (cont'd)

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
TCN	TCN	36	52	M	Matches prime TCMD data entry	“SW30112282X804XXX”
Consignee	CONSIGNEE	53	58	C	Matches prime TCMD data entry. Provided if available	“WK4FDK”
Priority	PRIORITY	59	59	M	Matches prime TCMD data entry	“1”
Stock Number	NSN	60	72	M	Enter NSN. If stock number is not known, enter NNSN in positions 60-63, leave 64-72 spaces	“NNSN ”
DoDIC	DODIC	73	76	M	DoD Identification Code (DoDIC) for TEF; “IMO” for TJF	“AO11”
Class Division	CLASS_DIV	77	78	M	For hazardous, see IMDGC, 49 CFR	“13”
Blank	FILLER1	79	79	M	Leave blank	“ ”
UN or NA	UN_NA	80	81	M	Contains value “UN” or “NA”	“UN”
Identification Number	IDENT_NBR	82	85	M	Four-digit number from IMDGC or other pub	“1234”
Compatibility Group	COMPATIBILITY_GP	86	86	C	For TEF, enter compatibility group code from IMDGC or 49 CFR	“H”

Table 3-26b. Stock Number (T_F) Transaction Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	Second position of the DOC_ID matches the TCMD (not J or E)	“TXF”
Pallet Designator	MOD_ID	4	5	C	Matches prime TCMD. Will be the pallet designator if loaded on a pallet	“5S”
Hour Received	HR_RCVD	6	6	M	Matches prime TCMD	“G”
Date Received	DATE_RCVD	7	8	M	Matches prime TCMD	“98”
Blank	FILLER6	9	14	M	Leave blank	“ ”
Hour Shipped	HR_SHIP	15	15	M	GTN required matches TCMD	“Q”
Date Shipped	DATE_SHIP	16	23	M	GTN required matches TCMD	“19900921”
Air Commodity	AIR_CMDTY_CD	24	25	C	May be blank when used with a TAT truck manifest	“Z”
Air Dimension Code	AIR_DIM_CD	26	26	C	May be blank when used with a TAT truck manifest	“A”
APOE	APOE	27	29	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	“DOV”

Table 3-26b. Stock Number (T_F) Transaction Format. (cont'd)

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
APOD	APOD	30	32	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	"RMS"
MODE	MODE	33	33	M	Matches TCMD	"T"
Manifest Reference	MFST_REF	34	35	M	Matches TCMD	"AB"
TCN	TCN	36	52	M	Matches TCMD	"AWAB0B0\$0D00020XX"
Consignee	CONSIGNEE	53	58	C	Matches TCMD. Provided if available	"WK4FDK"
Priority	PRIORITY	59	59	M	Matches TCMD	"1"
Stock Number	NSN	60	72	C	Enter NSN. If stock number is not known, enter NNSN in positions 60-63, leave 64-72 spaces	"2540010130846"
Nomenclature for Nonhazardous	ABRV_NOMEN	73	86	C	For nonhazardous material, enter the abbreviated nomenclature of the item listed in record position 60-72. (Second position of DIC is other than "E" or "J")	"HEATER, VEH"

3.2.4.21.3 Ammunitions and Explosives (TEF), Hazardous Materials (TJF), and Stock Number (T_F) Transaction Constraints

The Ammunitions and Explosives, Hazardous Materials, and Stock Number record must follow its associated TCMD record. The T_I records which match the first two positions of the DOC_ID may occur after the Ammunitions and Explosives, Hazardous Materials, and Stock Number record as well as other trailer records.

3.2.4.21.4 Ammunitions and Explosives (TEF), Hazardous Materials (TJF), and Stock Number (T_F) Transaction Example

An example of the Ammunitions and Explosives (TEF), Hazardous Materials (TJF) is shown in Figure 3-27a, and an example of Stock Number (T_F) transaction is shown in Figure 3-27b.

TEF	0	Z1H31D1FPTAWAD1A0\$0F00040XXWIGBE41NNSN	G91614UN0452G
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Figure 3-27a. Ammunitions and Explosives (TEF), Hazardous Materials (TJF) Transaction Example.

TXF5SG98
Q19980921ZADOV RMSTABAWABOBO\$0D00020XXWK4FDK1254001030846HEATER, VEH

Figure 3-27b. Stock Number Item (T_F) Transaction Example.

3.2.4.22 Net Explosive Weight (NEW) and Lot Number (TEG) Transaction

3.2.4.22.1 Net Explosive Weight (NEW) and Lot Number (TEG) Transaction Description

Net Explosive Weight and Lot Number TEG records are required to be associated with a TCMD record when the shipment unit is ammunition or explosives. The Net Explosive Weight and Lot Number record is tied to the prime TCMD record through the TCN and DOC_ID. The first two positions of the DOC_ID on the Net Explosive Weight and Lot Number record match the associated TCMD record.

If the shipment unit contains more than one lot, a separate TEG is made for each lot. If any single piece of a shipment unit (consolidation container, warehouse pallet, etc.) contains multiple lots, separate TEI data is required for each lot. Therefore, a shipment unit TCMD T_A or T_D could have more than one TEG and more than one TEI.

3.2.4.22.2 Net Explosive Weight (NEW) and Lot Number (TEG) Transaction Format

The format of the NEW and TEG transaction is shown in Table 3-27.

Table 3-27. Net Explosive Weight (NEW) and Lot Number (TEG) Transaction Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_G. Second position matches prime TCMD	"TEG"
Pallet Designator	MOD_ID	4	5	M	Matches prime TCMD data entry	"5S"
Hour Received	HR_RCVD	6	6	M	Matches prime TCMD data entry	"G"
Date Received	DATE_RCVD	7	8	M	Matches prime TCMD data entry	"98"
Net Explosive Weight	NEW	9	14	M	Weight of explosive material	"002975"
Hour Shipped	HR_SHIP	15	15	M	Matches prime TCMD data entry	"Q"
Date Shipped	DATE_SHIP	16	23	M	Matches prime TCMD data entry	"19980423"
Air Commodity Code	AIR_CMDTY_CD	24	25	C	May be blank when used with a TAT truck manifest	"Z"
Air Dimension Code	AIR_DIM_CD	26	26	C	May be blank when used with a TAT truck manifest	"A"
APOE	APOE	27	29	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	"DOV"

Table 3-27. Net Explosive Weight (NEW) and Lot Number (TEG) Transaction Format. (cont'd)

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
APOD	APOD	30	32	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	"RMS"
MODE	MODE	33	33	M	Matches prime TCMD data entry	"T"
Manifest Reference	MFST_REF	34	35	M	Matches prime TCMD data entry	"AB"
TCN	TCN	36	52	M	Matches prime TCMD data entry	"SW30112282X804XXX"
Consignee	CONSIGNEE	53	58	C	Matches prime TCMD data entry. Provided if available	"WK4FDX"
Priority	PRIORITY	59	59	M	Matches prime TCMD data entry	"1"
Lot Number	LOT_NR	60	73	M		"12341234567890"
Pieces	MOD_PC	74	77	M	Number of pieces in the lot	"0001"
Weight	MOD_WT	78	82	M	Lot weight in pounds	"02975"
Cube	MOD_CUBE	83	86	M	Cubic feet of lot	"0464"

3.2.4.22.3 Net Explosive Weight (NEW) and Lot Number (TEG) Transaction Constraints

The NEW and TEG record must follow its associated TCMD record. T_I records which match the first two positions of the DOC_ID of the prime TCMD may occur after the NEW and TEG.

3.2.4.22.4 Net Explosive Weight (NEW) and Lot Number (TEG) Transaction Example

An example of the NEW and TEG transaction is shown in Figure 3-28.

TEG5SG98002975Q19980423ZADOVRMSIABSW30112282X804XXXWK4FDX112341235678900001029750464
--

Figure 3-28. Net Explosive Weight (NEW) and Lot Number (TEG) Transaction Example.

3.2.4.23 General Miscellaneous not Otherwise Detailed (T_I)

3.2.4.23.1 General Miscellaneous not Otherwise Detailed (T_I) Description

A T_I record contains specific information for a loose shipment unit or a containerized shipment unit. This record records the additional information that is not covered elsewhere in the TCMDs. The second position of the DOC_ID matches the prime TCMD record to which the trailer record is associated.

3.2.4.23.2 General Miscellaneous not Otherwise Detailed (T_I) Format

The format of the General Miscellaneous not Otherwise Detailed (T_I) transaction is shown in Table 3-28a. The format of the General Miscellaneous not Otherwise Detailed for Unit Move (T_I) transaction is shown in Table 3-28b. The General Miscellaneous not Otherwise Detailed for Unit Move should only be used when the ULN is to be provided. If no ULN is to be provided in the transaction, then use the other General Miscellaneous not Otherwise Detailed (T_I) transaction.

Table 3-28a. General Miscellaneous not Otherwise Detailed (T_I) Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_I	“TXI” (general cargo trailer record)
Pallet Designator	MOD_ID	4	5	M	Same as prime TCMD data entry	“AA”
Hour Received	HR_RCVD	6	6	M	Matches entry on prime TCMD	“G”
Date Received	DATE_RCVD	7	8	M	Matches entry on prime TCMD	“89”
Blank	FILLER6	9	14	M	Leave blank	“ ”
Hour Shipped	HR_SHIP	15	15	M	Matches entry on prime TCMD	“Z”
Date Shipped	DATE_SHIP	16	23	M	Matches entry on prime TCMD. YYYYMMDD	“19980921”
Air Commodity Code	AIR_CMDTY_CD	24	25	C	May be blank when used with a TAT truck manifest	“G” (Paper product)
Air Dimension Code	AIR_DIM_CD	26	26	C	May be blank when used with a TAT truck manifest	“A”
POE	POE	27	29	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	“DOV”
POD	POD	30	32	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	“RMS”
Mode to POE	MODE	33	33	M	Same as prime TCMD data entry	“A”
Air Manifest Reference Code	MFST_REF	34	35	M	Same as prime TCMD data entry	“AB”
TCN	TCN	36	52	M	Same as prime TCMD data entry	“FD44933232050X XX”
Consignee	CONSIGNEE	53	58	C	Same as prime TCMD data entry. Provided if available	“WK4FDK” (DoDAAC)
Trans Priority	PRIORITY	59	59	M	Same as prime TCMD data entry	“1”
Remarks	REMARKS_TEXT	60	85	M	Using as many T_I entries as necessary, enter the clear text data necessary for shipment, but not detailed in other data entries	“NONFLAMMAB LE GAS UN1072 ”
Sequence Number	SEQ_NBR	86	86	M	A sequence number beginning with one for each T_I entry for the shipment	“1”

Table 3-28b. General Miscellaneous not Otherwise Detailed for Unit Move (T_I) Format.

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_I. Second position matches prime TCMD	“TXI” (general cargo trailer record)
Pallet Designator	MOD_ID	4	5	O	Same as prime TCMD data entry	“AA”
Hour Received	HR_RCVD	6	6	M	Matches entry on prime TCMD	“G”
Date Received	DATE_RCVD	7	8	M	Matches entry on prime TCMD	“89”
Blank	FILLER6	9	14	M	Leave blank	“ ”
Hour Shipped	HR_SHIP	15	15	M	Matches entry on prime TCMD	“Q”
Date Shipped	DATE_SHIP	16	23	M	Matches entry on prime TCMD. YYYYMMDD	“19980921”
Air Commodity Code	AIR_CMDTY_CD	24	25	C	May be blank when used with a TAT truck manifest	“Z” (Paper product)
Air Dimension Code	AIR_DIM_CD	26	26	C	May be blank when used with a TAT truck manifest	“A”
POE	POE	27	29	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	“DOV”
POD	POD	30	32	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	“RMS”
Mode to POE	MODE	33	33	M	Same as prime TCMD data entry	“A”
Air Manifest Reference Code	MFST_REF	34	35	M	Same as prime TCMD data entry	“AB”
TCN	TCN	36	52	M	Same as prime TCMD data entry	“FD44933232050XX”
Consignee	CONSIGNEE	53	58	C	Same as prime TCMD data entry. Provided if available	“WK4FDK” (DoDAAC)
Trans Priority	PRIORITY	59	59	M	Same as prime TCMD data entry	“1”
ULN	ULN	60	63	M	E “ULN:”	“ULN:”
ULN Number	ULN_NBR	64	70	M	When “ULN:” is entered in RP 60-63, the applicable Unit Line Number is mandatory	“123456”
Blank	FILLER15	71	85	M	Leave blank	“ ”
Sequence Number	SEQ_NBR	86	86	M	A sequence number beginning with one for each T_I entry for the shipment	“1”

3.2.4.23.3 General Miscellaneous not Otherwise Detailed (T_I) Constraints

This record must follow an associated T_A or T_D and its associated trailer records. It is a required trailer record for shipment units associated with a unit move. This trailer record is not for ammunitions/explosives or other hazardous items.

3.2.4.23.4 General Miscellaneous not Otherwise Detailed (T_I) Example

An example of the T_I transaction is shown in Figure 3-29.

TXIAAG89	Z19980921GADOVRMSAABFD44933232050XXXWK4FDK1NONFLAMMABLE	GAS
UN1072	1	

Figure 3-29. General Miscellaneous not Otherwise Detailed (T_I) Example.

3.2.4.24 SEAVAN/MILVAN (Van) Miscellaneous Information (T_I)

3.2.4.24.1 SEAVAN/MILVAN (Van) Miscellaneous Information (T_I) Description

A T_I record contains specific information about loaded or empty SEAVAN/MILVAN/CONEX or Refrigerated Van (REEFER). This record records the additional information that is not covered elsewhere in the TCMDs. The second position of the DOC_ID matches the prime TCMD record to which the trailer record is associated.

3.2.4.24.2 SEAVAN/MILVAN (Van) Miscellaneous Information (T_I) Format

The format of the loaded SEAVAN/MILVAN (Van) Miscellaneous Information (T_I) transaction is shown in Table 3-29a. The format of an empty SEAVAN/MILVAN (Van) Miscellaneous Information (T_I) transaction is shown in Table 3-29b. The format of a REEFER (Van) Miscellaneous Information (T_I) transaction is shown in Table 3-29c.

Table 3-29a. Loaded SEAVAN/MILVAN (Van) Miscellaneous Information (T_I) Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_I. The second position is always the same as the prime TCMD	“TXI”
Container/Trailer Number	CONT_TRL_NBR	4	8	M	GTN required same as prime TCMD, T_B, or T_C	“X2345”
VAN Zip Code	ZIP_CODE	9	14	M	X followed by the five-digit zip code for the van’s point of origin	“X23801”
Hour Shipped	HR_SHIP	15	15	M	Hour code shipment shipped from POE	“R”
Date Shipped	DATE_SHIP	16	23	M	YYYYMMDD	“19980921”
Air Commodity Code	AIR_CMDTY_CD	24	25	C	May be blank when used with a TAT truck manifest	“VZ”
Air Dimension Code	AIR_DIM_CD	26	26	C	May be blank when used with a TAT truck manifest	“D”

**Table 3-29a. Loaded SEAVAN/MILVAN (Van) Miscellaneous Information (T_I) Format.
(cont'd)**

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
APOE	APOE	27	29	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	"PQS"
APOD	APOD	30	32	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	"RCU"
MILVAN/SEAVAN/CONEX Indicator	VAN_INDICATOR	33	33	M	Always V	"V"
Ordered Van Length	VAN_LENGTH_ORDERED	34	35	M	Length of van ordered, in feet. For empty vans, enter the actual van length in feet. For empty CONEX, enter type pack code	"40"
Shipment Unit TCN	TCN	36	52	M	Same as prime TCMD data entry	"AWAD1A0\$0F00010XX"
Consignee	CONSIGNEE	53	58	C	Same as prime TCMD data entry. Provided if available	"W16G1G"
Trans Priority	PRIORITY	59	59	M	Same as prime TCMD data entry	"1"
Van Number Indicator	VN_INDICATOR	60	61	M	VN	"VN"
Van Number	VAN_NBR	62	69	M	Enter number marked on container. Left zero fill. Do not include check digit or van owner code	"00123456"
Dash	DASH	70	70	M	Enter "-"	"_"
Check Digit	CHECK_DIGIT	71	71	C	Check digit marked on the container. If the container does not have a check digit, leave a space	"S"
Seal Number	SEAL_NBR	72	79	O	Seal number of the seal used to seal the container	"88121492"
Ocean Carrier	CARRIER_CD	80	83	C	For loaded vans, enter the ocean carrier code, otherwise leave spaces	"LYKU"
Beam Assemblies	BEAM_ASSEMBLIES	84	85	C	For MILVANs, enter the quantity of mechanical bracing systems in the MILVAN. Otherwise leave spaces	"02"
Sequence Number	SEQ_NBR	86	86	M	A sequence number entry beginning with one for each T_9 record for the shipment unit	"1"

Table 3-29b. Empty SEAVAN/MILVAN (Van) Miscellaneous Information (T_I) Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_I. The second position is always the same as the prime TCMD	“TXI”
Container/Trailer Number	CONT_TRL_NBR	4	8	M	Same as prime TCMD, T_B, or T_C	“X2345”
VAN Zip Code	ZIP_CODE	9	14	M	X followed by the five-digit zip code for the van’s point of origin	“X23801”
Hour Shipped	HR_SHIP	15	15	M	Hour code shipment shipped from POE	“R”
Date Shipped	DATE_SHIP	16	23	M	Day shipment shipped from POE. YYYYMMDD	“19980921”
Air Commodity Code	AIR_CMDTY_CD	24	25	C	May be blank when used with a TAT truck manifest	“RZ”
Air Dimension Code	AIR_DIM_CD	26	26	C	May be blank when used with a TAT truck manifest	“D”
APOE	APOE	27	29	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	“PQS”
APOD	APOD	30	32	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	“RCU”
MILVAN/SEAVAN/CONEX Indicator	VAN_INDICATOR	33	33	M	Always V	“V”
Type Pack Code	TYPE_PK_CD	34	35	M	Same as prime TCMD data entry	“CO”
Shipment Unit TCN	TCN	36	52	M	Same as prime TCMD data entry	“AWAD1A0\$0F00010XX”
Consignee	CONSIGNEE	53	58	C	Same as prime TCMD data entry. Provided if available	“W16G1G”
Trans Priority	PRIORITY	59	59	M	Same as prime TCMD data entry	“1”
Van Number Indicator	VN_INDICATOR	60	61	M	VN	“VN”
Van Number	VAN_NBR	62	69	M	Enter number marked on container. Left zero fill. Do not include check digit or van owner code	“00123456”
Dash	DASH	70	70	M	Enter -	“-”
Check Digit	CHECK_DIGIT	71	71	O	Check digit marked on the container. If the container does not have a check digit, leave a space	“S”
Seal Number	SEAL_NBR	72	79	O	Complete seal number of the seal used to seal the container	“88121492”
Ocean Carrier	CARRIER_CD	80	83	C	For loaded vans, enter the ocean carrier code, otherwise leave spaces	“LYKU”

Table 3-29b. Empty SEAVAN/MILVAN (Van) Miscellaneous Information (T_I) Format. (cont'd)

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Beam Assemblies	BEAM_ASSEMBLIES	84	85	O	For MILVANs, enter the quantity of mechanical bracing systems in the MILVAN. Otherwise leave spaces	"02"
Sequence Number	SEQ_NBR	86	86	M	A sequence number entry beginning with one for each T_9 record for the shipment unit	"1"

Table 3-29c. REEFER (Van) Miscellaneous Information (T_I) Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_I. The second position is always the same as the prime TCMD	"TXI"
Container/Trailer No.	CONT_TRL_NBR	4	8	M	Same as prime TCMD, T_B or T_C	"X2345"
VAN Zip Code	ZIP_CODE	9	14	M	"X" followed by the five-digit zip code for the van's point of origin	"X23801"
Fahrenheit	FAHRENHEIT	15	19	M	For a REEFER van, enter "F" followed by the temperature or temperature range required to properly maintain the cargo, e.g., 34 degrees is shown as F34XX	"F34XX"
Blank	FILLER6	20	25	M	Leave blank to compensate for Year 2000 (Y2K) date field changes	" "
Air Dimension Code	AIR_DIM_CD	26	26	C	May be blank when used with a TAT truck manifest	"D"
APOE	APOE	27	29	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	"PQS"
APOD	APOD	30	32	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	"RCU"
MILVAN/SEAVAN/CONEX Indicator	VAN_INDICATOR	33	33	M	Always "V"	"V"
Ordered Van Length	VAN_LENGTH_ORDERED	34	35	M	Length of van ordered, in feet. For empty vans, enter the actual van length in feet	"40"
Shipment Unit TCN	TCN	36	52	M	Same as prime TCMD data entry	"AWAD1A0\$0F00010XX"
Consignee	CONSIGNEE	53	58	C	Same as prime TCMD data entry. Provided if available	"W16G1G"
Trans Priority	PRIORITY	59	59	M	Same as prime TCMD data entry	"1"

Table 3-29c. REEFER (Van) Miscellaneous Information (T_I) Format. (cont'd)

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Van Number Indicator	VN_INDICATOR	60	61	M	“VN”	“VN”
Van Number	VAN_NBR	62	69	M	Enter number marked on container. Left zero fill. Do not include check digit or van owner code	“00123456”
Dash	DASH	70	70	M	Enter “-”	“-”
Check Digit	CHECK_DIGIT	71	71	C	Check digit marked on the container. If the container does not have a check digit, leave a space	“S”
Seal Number	SEAL_NBR	72	79	O	Complete seal number of the seal used to seal the container	“ ”
Ocean Carrier	CARRIER_CD	80	83	C	For loaded vans, enter the ocean carrier code, otherwise leave spaces	“ ”
Beam Assemblies	BEAM_ASSEMBLIES	84	85	C	For MILVANS, enter the quantity of mechanical bracing systems in the MILVAN. Otherwise leave spaces	“ ”
Sequence Number	SEQ_NBR	86	86	M	A sequence number entry beginning with one for each T_I record for the shipment unit	“1”

3.2.4.24.3 SEAVAN/MILVAN (Van) Miscellaneous Information (T_I) Constraints

This record must follow an associated T_B or T_C and its associated trailer records. This trailer record is not for ammunitions/explosives or other hazardous items.

3.2.4.24.4 SEAVAN/MILVAN (Van) Miscellaneous Information (T_I) Example

An example of the SEAVAN/MILVAN (Van) Miscellaneous Information (T_I) transaction is shown in Figure 3-30.

TXIX2345X23801R19980921VZDPQSRCUV40AWAD1A0\$0F00010XXW16GIG1VN00123456S88121492 LYKU021
--

Figure 3-30. SEAVAN/MILVAN (Van) Miscellaneous Information (T_I) Example.

3.2.4.25 SEAVAN/MILVAN Stopoff Points (T_I)

3.2.4.25.1 SEAVAN/MILVAN Stopoff Points (T_I) Description

The T_I record contains specific information about the stopoffs to be made by a SEAVAN/MILVAN. The second position of the DOC_ID matches the prime TCMD record to which the trailer record is associated.

3.2.4.25.2 SEAVAN/MILVAN Stopoff Points (T_I) Format

The format of the SEAVAN/MILVAN Stopoff Points (T_I) transaction is shown in Table 3-30a. The format of the SEAVAN/MILVAN REEFER Stopoff Points (T_I) transaction is shown in Table 3-30b.

Table 3-30a. SEAVAN/MILVAN Stopoff Points (T_I) Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_I	“TXI”
Container/Trailer Number	CONT_TRL_NBR	4	8	M	Same as prime TCMD data entry	“X2345”
Zip Code	ZIP_CODE	9	14	M	X followed by the zip code for the van’s point of origin	“X23801”
Hour Shipped	HR_SHIP	15	15	M	Hour code shipment shipped from POE	“R”
Date Shipped	DATE_SHIP	16	23	M	Day shipment shipped from POE. YYYYMMDD	“19980921”
Air Commodity Code	AIR_CMDTY_CD	24	25	C	May be blank when used with a TAT truck manifest	“RZ”
Blank	FILLER1	26	26	M	Leave blank	“ ”
APOE	APOE	27	29	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	“PQS”
APOD	APOD	30	32	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	“RCU”
MILVAN/SEAVAN/CONEX Indicator	VAN_INDICATOR	33	33	M	Always V	“V”
Van Length Ordered	VAN_LENGTH_ORDERED	34	35	M	Length of the van ordered, in feet	“40”
Shipment Unit TCN	TCN	36	52	M	Same as prime T_2 or T_3 TCMD data entry	“AWAD1A0\$0F00010XX”
Consignee	CONSIGNEE	53	58	C	DoDAAC for the consignee of the shipment unit. Provided if available	“W16G1G”
Trans Priority	PRIORITY	59	59	M	Priority of the shipment unit	“1”
Stopoff	STOP_OFF_NBR	60	65	M	STOP and the stopoff number, e.g., STOP01	“STOP01”
Stopoff DoDAAC	DODAAC	66	71	M	The DoDAAC of the stopoff indicated in rp 60-65	“W16G1G”
Blank	FILLER2	72	73	M	Leave blank	“ ”

Table 3-30a. SEAVAN/MILVAN Stopoff Points (T_I) Format. (cont'd)

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Stopoff	STOP_OFF_NBR	74	79	O	STOP and the stopoff number, e.g., STOP01	“ ”
Stopoff DoDAAC	STOP_OFF_LOC	80	85	O	The DoDAAC of the stopoff indicated in rp 74-79	“ ”
Sequence Indicator	SEQ_IND	86	86	M	Sequence indicator, beginning with letter A, for each T_R stopoff data entry	“A”

Table 3-30b. SEAVAN/MILVAN REEFER Stopoff Points (T_I) Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_I	“TXI”
Container/Trailer No.	CONT_TRL_NBR	4	8	M	Same as prime TCMD data entry	“X2345”
Zip Code	ZIP_CODE	9	14	M	“X” followed by the zip code for the van’s point of origin	“X23801”
Fahrenheit	FAHRENHEIT	15	19	M	For a REEFER van, enter “F” followed by the temperature or temperature range required to properly maintain the cargo, e.g., 34 degrees is shown as F34XX	“F34XX”
Blank	FILLER1	20	20	M	Leave blank	“ ”
Blank	FILLER6	21	26	M	Leave blank to compensate for Y2K date field changes	“ ”
APOE	APOE	27	29	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	“PQS”
APOD	APOD	30	32	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	“RCU”
MILVAN/SEAVAN/CONEX Indicator	VAN_INDICATOR	33	33	M	Always “V”	“V”
Van Length Ordered	VAN_LENGTH_ORDERED	34	35	M	Length of the van ordered, in feet	“40”
Shipment Unit TCN	TCN	36	52	M	Same as prime T_B or T_C TCMD data entry	“AWAD1A0\$0F00010XX”

Table 3-30b. SEAVAN/MILVAN REEFER Stopoff Points (T_I) Format. (cont'd)

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Consignee	CONSIGNEE	53	58	C	DoDAAC for the consignee of the shipment unit. Provided if available	"W16G1G"
Trans Priority	PRIORITY	59	59	M	Priority of the shipment unit	"1"
Stopoff	STOP_OFF_NBR	60	65	M	"STOP" and the stopoff number, e.g., STOP01	"STOP01"
Stopoff DoDAAC	DODAAC	66	71	M	The DoDAAC of the stopoff indicated in rp 60-65	"W16G1G"
Filler	FILLER2	72	73	M	Leave spaces	" "
Stopoff	STOP_OFF_NBR	74	79	O	"STOP" and the stopoff number, e.g., STOP01	"STOP02"
Stopoff DoDAAC	STOP_OFF_LOC	80	85	O	The DoDAAC of the stopoff indicated in rp 74-79	"W18G2H"
Sequence Indicator	SEQ_IND	86	86	M	Sequence indicator, beginning with letter A, for each T_R stopoff data entry	"A"

3.2.4.25.3 SEAVAN/MILVAN Stopoff Points (T_I) Constraints

This record must follow an associated T_B or T_C and its associated trailer records. This trailer record is not for ammunitions/explosives or other hazardous items.

3.2.4.25.4 SEAVAN/MILVAN Stopoff Points (T_I) Example

An example of the SEAVAN/MILVAN (Van) Miscellaneous Information (T_I) transaction is shown in Figure 3-31.

```
TXIX2345X23801R19980921VZ PQSRCUV40AWAD1A0$0F00010XXW16GIG1STOP01WI6G1G
STOP02W18G2HA
```

Figure 3-31. SEAVAN/MILVAN Stopoff Points (T_I) Example.

3.2.4.26 Additional Required Hazardous Material Information (T_I)

3.2.4.26.1 Additional Required Hazardous Material Information (T_I) Description

A TEI or TJI record contains specific information for a hazardous material shipment unit.

3.2.4.26.2 Additional Required Hazardous Material Information (T_I) Format

The format of the Additional Required Hazardous Material Information (TEI, TJI) transaction is shown in Table 3-31.

Table 3-31. Additional Required Hazardous Material Information (T_I) Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_I. Matches the prime TCMD	“TEI”
Pallet Designator	MOD_ID	4	5	M	Same as prime TCMD data entry	“5S”
Hour Received	HR_RCVD	6	6	M	Matches the prime TCMD	“G”
Date Received	DATE_RCVD	7	8	M	Matches the prime TCMD	“98”
Blank	FILLER6	9	14	M	Leave blank	“ ”
Hour Shipped	HR_SHIP	15	15	M	Matches the prime TCMD	“Q”
Date Shipped	DATE_SHIP	16	23	M	Matches the prime TCMD. YYYYMMDD	“19980921”
Air Commodity Code	AIR_CMDTY_CD	24	25	C	May be blank when used with a TAT truck manifest	“GZ”
Air Dimension Code	AIR_DIM_CD	26	26	C	May be blank when used with a TAT truck manifest	“A”
POE	POE	27	29	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	“DOV”
POD	POD	30	32	C	Air terminal identifier. May be blank if MILAIR code is not present on the manifest header transaction	“RMS”
Mode	MODE	33	33	M	Same as prime TCMD data entry	“T”
Air Manifest Reference Code	MFST_REF	34	35	M	Same as prime TCMD data entry	“AB”
TCN	TCN	36	52	M	Same as prime TCMD data entry	“SW30112282X804XXX”
Consignee	CONSIGNEE	53	58	C	Same as prime TCMD data entry. Provided if available	“WK4FDX”
Trans Priority	PRIORITY	59	59	M	Same as prime TCMD data entry	“1”
Remarks	REMARKS_TEXT	60	85	M	Free text	“ROCKETS”
Sequence Number	SEQ_NBR	86	86	M	A sequence number or letter beginning with one for each T_I entry for the shipment	“1”

3.2.4.26.3 Additional Required Hazardous Material Information (T_I) Constraints

This record must follow an associated T_A or T_D and its associated trailer records. It is a required trailer record for shipment units that are ammunition/explosives or other hazardous items. The second position of the DOC_ID will either be E or J, whichever is in its associated prime TCMD T_A or T_D record.

3.2.4.26.4 Additional Required Hazardous Material Information (T_I) Example

An example of the T_I transaction is shown in Figure 3-32.

TEI5SG98	Q19980921GZADOVRMSTABSW30112282X804XXXWK4FDX1ROCKETS	1
----------	--	---

Figure 3-32. Additional Required Hazardous Material Information (T_I) Example.

3.2.4.27 End Manifest (TZZ) Transaction

3.2.4.27.1 End Manifest (TZZ) Transaction Description

A TZZ record contains specific information for a single manifest transaction and signals the end of that particular manifest. This record also signifies that the manifest is complete.

3.2.4.27.2 End Manifest (TZZ) Transaction Format

The format of the TZZ transaction is shown in Table 3-32.

Table 3-32. End Manifest (TZZ) Transaction Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	Always TZZ	"TZZ"
Transaction Record Count	TRANS_REC_CNT	4	7	M	Integer count of all records in message	"0011"
Port Time Zulu	PORT_TIME_ZULU	8	19	M	YYYYMMDDHHMM	"199804072312"
Manifest	MFST	20	23	M	Enter ONLY, FRST, LAST, or spaces	"ONLY"
Mission Identifier	MSN_ID	24	35	M	Matches TAA record TRANS_FLT_NBR and SCHED_ORIGN_DAY fields	"ABA0707X1CAA"

3.2.4.27.3 End Manifest (TZZ) Transaction Constraints

The TZZ record must follow an associated TAA and its associated TCMD records.

3.2.4.27.4 End Manifest (TZZ) Transaction Example

An example of the TZZ transaction is shown in Figure 3-33.

TZZ0011199809211617ONLYABA0707X1CAA

Figure 3-33. End Manifest (TZZ) Transaction Example.

3.2.4.28 Ocean Manifest (TAJ) Header

3.2.4.28.1 Ocean Manifest (TAJ) Header Description

The TAJ ocean manifest header is the lead record for a collection of TCMD records. The TAJ summarizes information that applies to the shipment units on-board the vessel identified in the manifest header. There can be more than one manifest per VDN and vessel.

However, GTN shall receive only one ocean manifest for each Maritime Prepositioned Ship (MPS) vessel. A complete manifest with all trailer records is expected when changes occur to the manifest because of additions and/or deletions of cargo or when the POE/POD and/or the VDN is modified.

3.2.4.28.2 Ocean Manifest Header (TAJ) Format

The TAJ header format is shown in Table 3-33.

Table 3-33. Ocean Manifest Header (TAJ) Transaction Format.

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	Always TAJ	"TAJ"
Government Dunnage	GOVT_DUNNAGE	4	8	O	If no Government dunnage/lashing gear is used for the original ocean manifest, enter "NODUN," otherwise blank	"NODUN"
POE	POE	9	11	C	Origin MILSEA location of the manifest. Mandatory if Origin GEOLOC is not used	"1B2"
Blank	FILLER3	12	14	M	Leave blank	" "
Sail Date	SAIL_DATE	15	18	M	YJJJ	"0023"
Voyage Document Number	VOY_DOC_NO	19	23	M	Document number for the vessel	"6GTRA"
POD	POD	24	26	C	Destination MILSEA location of the manifest. Mandatory if Destination GEOLOC is not used	"1C2"
Voyage Manifest Reference Code	VOY_MNFST_REF_CD	27	27	M	Part of the manifest ID. Same code is used on subsequent transactions in the manifest	"A"
Blank	FILLER2	28	29	M	Leave blank	" "
Vessel Name	VESSEL_NAME	30	46	M	Enter vessel name, if unnamed, enter vessel class and hull number	"WILLIAMS"
Blank	FILLER1	47	47	M	Leave blank	" "

Table 3-33. Ocean Manifest Header (TAJ) Transaction Format. (cont'd)

TC-AIMS II Field Name	TC-AIMS II Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Status	STATUS	48	49	O	Code identifies the type of shipping and payment agreement	"81"
Barge Type	BARGE_TYPE	50	50	O	L = LASH, S = SEABEE, otherwise leave blank	" "
Vessel Sustaining Code	VSL_SUSTAINING_CD	51	51	O	1 = Unassigned, 2 = Self-sustaining, 3 = Not self-sustaining, 4-9 unassigned	"1"
IRCS	IRCS	52	59	M	Enter the assigned IRCS. If a barge does not have an IRCS, enter the hull number	"KRPW "
Remarks	REMARKS_TEXT21	60	80	O	Any required additional data is provided as text	" "
Origin GEOLOC	GEOLOC	81	84	C	Origin GEOLOC of the manifest. Required if POE is not provided	"LKOP"
Destination GEOLOC	GEOLOC	85	88	C	Destination GEOLOC of the manifest. Required if POD is not provided	"HGBD"

3.2.4.28.3 Ocean Manifest Header (TAJ) Constraints

GTN will receive corrected manifest information by a manifest adjustment identified by a "C" or a "D" in Record Position (RP) 4 of the (TAJ) Manifest Header. If an item is reported as loaded, but was in fact not loaded on the vessel, GTN will receive the TAJ with a "D" followed by the TCMD transactions for the TCNs that need to be deleted from the manifest. Each of the TCMD transactions will contain a "/", "S," or "T" in the priority field to delete the record. If there is a change in the data but not a deletion of a TCMD transaction, the (TAJ) Manifest Header will have a "C" in RP 4. The (TAJ) Manifest Header record will then be followed by at least two TCMD transactions. The first TCMD will indicate a "J," "K," or "L" in the priority field as the record to be changed and an "A," "B," or "C" for the second TCMD record that has been changed and replaces the previous TCMD.

Each file that represents a single manifest, contains one Ocean Manifest Header Record (TAJ) Transaction and one or more prime records: Loaded RORO/SEAVAN/MILVAN Records (T_K); Loaded Container Express (CONEX), Unitized Pallet and All Loaded Consolidation Containers Record (T_L); or Single Shipment Unit/Loose Cargo Record (T_J). At least one of the three types of prime records must follow the TAJ. Each prime record is a fixed length of 80 characters and will be followed by trailer records that are also 80 character fixed length records.

For single consolidation, the T_K record is followed by one or more Shipment Units Loaded Into Consolidated Containers Record Records (T_M).

For double consolidation, the T_K record is followed by one or more Loaded CONEX, Unitized Pallet, and All Loaded Consolidation Containers Record (T_L), or one or more Shipment Units Loaded Into Consolidated Containers Record Records (T_M). The T_M may follow the T_L or T_K depending on which container it is loaded into first.

The T_L Record also has trailer records and is followed by one or more Shipment Units Loaded into Consolidated Containers (T_M). Zero or more trailer records (T_N through T_R), follow T_M. Zero or more trailer records (T_N through T_R), follow all prime records.

For Unit Movement manifests, TC-AIMS II will employ the provisions of the DTR that allow for use of individual shipment unit (T_J) documentation. As a result, consolidated cargo may be documented using “trailer” transactions rather than individual TCNs for consolidated cargo (T_Ms).

Changes to a previously provided manifest will be provided to GTN as a new manifest with all associated trailer records.

The TAJ record is used to flag the start of a block of data records and is the first record of a manifest set. Within the block are prime and trailer records concerning the manifested cargo. The structure for the various manifest sets with accompanying detail records are depicted in the Ocean Manifest pictorial found in Figure 3-34.

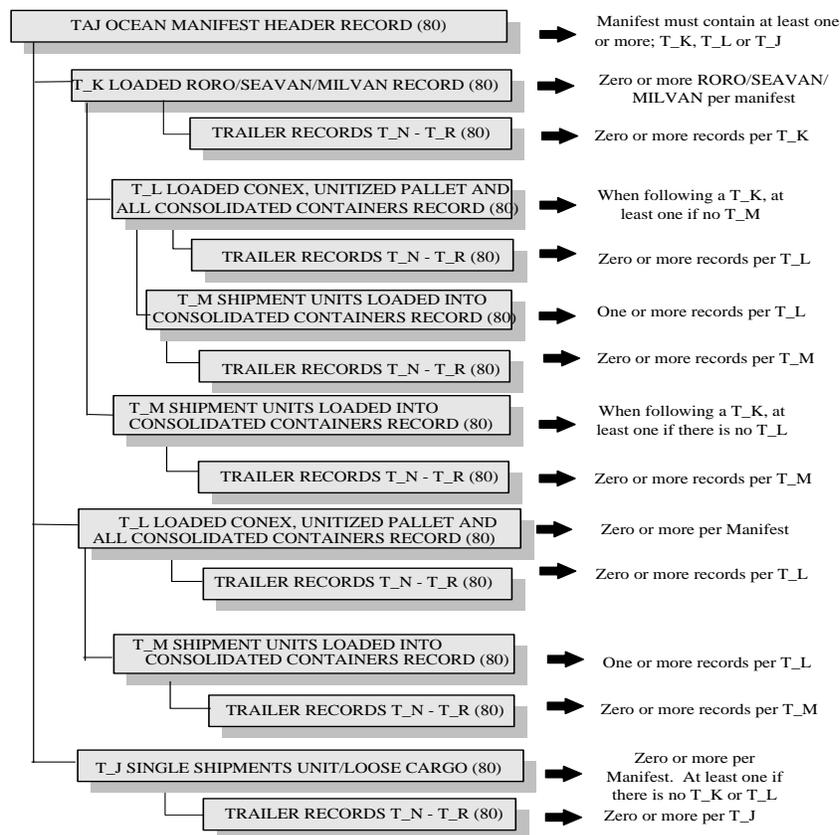


Figure 3-34. Ocean Manifest.

3.2.4.28.4 Ocean Manifest Header (TAJ) Example

An example transaction is shown in Figure 3-35.

TAJNODUN2E1	9236P4388AC1A	WILLIAMS W2 2WABC
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Figure 3-35. Ocean Manifest Header (TAJ) Example.

3.2.4.29 Single Shipment Unit/Loose Cargo (T_J) Transaction (including empty SEAVAN/MILVAN/CONEX)

3.2.4.29.1 Single Shipment Unit/Loose Cargo (T_J) Transaction (including empty SEAVAN/MILVAN/CONEX) Description

The T_J transaction provides manifest data for a single shipment unit or loose cargo, or for an empty SEAVAN, MILVAN, or CONEX. The T_J transaction is used to document cargo not loaded inside another cargo item.

3.2.4.29.2 Single Shipment Unit/Loose Cargo (T_J) Transaction (including empty SEAVAN/MILVAN/CONEX) Format

The data elements and format for the Single Shipment Unit/Loose Cargo (T_J) (including empty SEAVAN/MILVAN/CONEX) Transaction are shown in Table 3-34.

Table 3-34. Single Shipment Unit/Loose Cargo (T_J) Transaction (including empty SEAVAN/MILVAN/CONEX) Format.

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_J. Second position of the DIC is selected from the list in DoD 4500.9-R, Part II, Appendix CC-2	"TVJ"
Trailer/Container Number	CONT_TRL_NBR	4	8	C	Required for empty SEAVAN or CONEX or if shipment unit has consolidated load (T_M), otherwise leave blank	" "
Consignor	CONSIGNOR	9	14	C	Consignor DoDAAC for the shipment unit. Provided if available	"M2046C"
Water Commodity Code	WTR_CMDTY_CD	15	19	M	Water Commodity Code is code from DoD 4500.9-R, Part II	"700Z9"

Table 3-34. Single Shipment Unit/Loose Cargo (T_J) Transaction (including empty SEAVAN/MILVAN/CONEX) Format. (cont'd)

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Voyage Document Number	VOYDOC	20	23	M	The last four digits of the voyage document number from the manifest header	"6GTR"
POD	POD	24	26	C	Same as on the manifest header. Required if POD is provided on the manifest header	"1C2"
Voyage Manifest Reference Code	VOY_MNFST_REF_CD	27	27	M	Same as on the manifest header	"A"
Pack Type	TYPE_PK_CD	28	29	M	Enter code from DoD 4500.9-R, Vol II, Appendix EE-7	"ZZ"
Transportation Control Number	TCN	30	46	M	TCN of the Shipment Unit	"AWABA1J\$000020XX"
Consignee	CONSIGNEE	47	52	C	DoDAAC for the consignee of the shipment unit. Provided if available	"M2046C"
Transportation Priority	PRIORITY	53	53	O	Priority of the shipment unit	"3"
Required Delivery Date	RDD	54	56	O	Required Delivery Date of the shipment unit, if any	"059"
Project Code	PROJECT	57	59	O	Project code of the shipment unit, if any	"9FF"
Stowage Location	STOW_LOC	60	63	O	Identifier for the stowage location where the cargo was stowed	"4WDX"
Transportation Account Code	TAC	64	67	O	Transportation Account Code	"MSAM"
Pieces	TOTAL_NUMBER_PIECES	68	71	O	Number of pieces in the shipment unit	"0001"
Weight	MOD_WT	72	76	O	Weight of shipment unit in pounds. Leading zeros	"28400"
Cube	TOTAL_CUBE	77	80	O	Gross cubic feet of shipment unit. Leading zeros	"1843"

3.2.4.29.3 Single Shipment Unit/Loose Cargo (T_J) Transaction (including empty SEAVAN/MILVAN/CONEX) Constraints

The T_J can be followed by zero, one, or more trailer records (T_N through T_R) for a shipment unit loaded onto the vessel. The second position of the Document Identifier (DOC_ID) will never be an “A.” The second position of the subsequent associated trailer records should match the prime record’s (T_J) Document Identifier.

3.2.4.29.4 Single Shipment Unit/Loose Cargo (T_J) Transaction (including empty SEAVAN/MILVAN/CONEX) Example

An example of the T_J transaction is shown in Figure 3-36.

TXJ96624W810DL6932926191R3AAZ810DL6206X405XXXW37QLQ3222S01TTMFA4DR0001050001275

Figure 3-36. Single Shipment Unit/Loose Cargo (T_J) Transaction (including empty SEAVAN/MILVAN/CONEX) Example.

3.2.4.30 Loaded RORO (T_K) Transaction

3.2.4.30.1 Loaded RORO (T_K) Description

The Loaded RORO (T_K) Transaction provides manifest data related to the loaded RORO containers. The RORO will contain one or more shipment units. The RORO identified in the T_K transaction will not be loaded inside another container.

3.2.4.30.2 Loaded RORO (T_K) Format

The data elements and transaction format for the Loaded RORO (T_K) Transaction are shown in Table 3-35.

Table 3-35. Loaded RORO (T_K) Format.

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_K. Second position of the DIC is selected from the list in DoD 4500.9-R, Part II, Appendix CC-2	“TXK”
Container Number	CONT_TRL_NBR	4	8	M	Trailer, van, or container number, if any	“V4947”
Loading Activity DODAAC	LOADING_ACTIVITY_DODAAC	9	14	C	DoDAAC of activity that loaded the RORO. Provided if available	“SEAU40”
Water Commodity Code	WTR_CMDTY_CD	15	19	M	Water Commodity Code is code from DoD 4500.9-R, Part II	“700Z9”

Table 3-35. Loaded RORO (T_K) Format. (cont'd)

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Voyage Document Number	VOYDOC	20	23	M	Enter last four digits of the voyage document number from the manifest header	"2705"
POD	POD	24	26	C	DTR seaport code for the Port of Debarkation. Required if POD is provided on the manifest header	"LR1"
Voyage Manifest Reference Code	VOY_MNFST_REF_CD	27	27	M	Same as on the manifest header	"A"
Pack Type	TYPE_PK_CD	28	29	M	Always RT for RORO	"RT"
RORO Transportation Control Number	TCN_CONT	30	46	M	TCN of the RORO	"HX7EAW91662631XXX"
Consignee	CONSIGNEE	47	52	C	DoDAAC for the consignee of the shipment unit. Provided if available	"HX7EAW"
Transportation Priority	PRIORITY	53	53	O	Highest priority of any shipment unit in the RORO	"3"
Earliest Required Delivery Date	RDD_CONT	54	56	O	Earliest RDD of any shipment unit in the RORO	"201"
Number of Consignees	CONSIGNEE_QTY	57	57	O	S = Contents for a single consignee, M = Contents for multiple consignees	"S"
Shipment Unit Totals	CONT_TOT_SU	58	59	O	Total number of shipment units loaded in the RORO. For quantities greater than 99, this field contains XX and the quantity is in a T_R	"01"
Stowage Location	STOW_LOC	60	63	O	Enter the stowage location of the RORO on board the vessel	"W3DX"
Blank	FILLER4	64	67	M	Leave blank	" "
RORO Quantity	TOTAL_NUMBER_PIECES	68	71	O	0001	"0001"
Total Container Weight	CONT_TOT_WT	72	76	O	Weight in lbs of RORO and its contents. Leading zeros	"15605"
Total Cube	TOTAL_CUBE	77	80	O	Gross cube in feet of RORO. Leading zeros	"1360"

3.2.4.30.3 Loaded RORO (T_K) Constraints

The Loaded RORO (T_K) Transaction must be followed by one or more Shipment Units Loaded into Consolidated Containers Record (T_M) transactions and/or Loaded CONEX, Unitized Pallet and All Loaded Consolidation Container Record (T_L) transactions. In addition, the T_K can be followed by zero, one, or more trailer records (T_N through T_R), which would precede any T_M or T_L transactions.

Each T_K transaction, followed by its trailers and its associated prime and trailer TCMDs, follows the TAJ transaction.

3.2.4.30.4 Loaded RORO (T_K) Example

An example of the transaction is shown in Figure 3-37.

TXK91291SW07004388TA1ARTWD810DL6206405XXXHQCWH23222S80TTMF 0001361252142
--

Figure 3-37. Loaded RORO (T_K) Example.

3.2.4.31 Loaded SEAVAN/MILVAN (T_K) Transaction

3.2.4.31.1 Loaded SEAVAN/MILVAN (T_K) Description

The Loaded SEAVAN/MILVAN (T_K) Transaction provides detailed ocean manifest data related to a loaded SEAVAN/MILVAN. The Container identified in the T_K transaction will not be loaded inside another container. The container will be loaded with one or more cargo items.

3.2.4.31.2 Loaded SEAVAN/MILVAN (T_K) Format

The data elements and the transaction format for the Loaded SEAVAN/MILVAN (T_K) Transaction are shown in Table 3-36.

Table 3-36. Loaded SEAVAN/MILVAN (T_K) Transaction Format.

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_K. Second position of the DIC is selected from the list in DoD 4500.9-R, Part II, Appendix CC-2	“TXK”
SEAVAN/MILVAN Number	CONT_TRL_NBR	4	8	M	Last five digits of the SEAVAN/MILVAN serial number	“04806”

Table 3-36. Loaded SEAVAN/MILVAN (T_K) Transaction Format. (cont'd)

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Ownership Code	SEAVAN/MILVAN_OWN_CD	9	12	M	DTR SEAVAN ownership International Organization for Standardization (ISO) Code, to include MILVANs	“SEAU”
Used Van Length	USED_VAN_LN	13	14	M	Length, in feet, of van used	“40”
Water Commodity Code	WTR_CMDTY_CD	15	19	M	Water Commodity Code is code from DoD 4500.9-R, Part II	“700Z9”
Voyage Document Number	VOYDOC	20	23	M	Last four of the voyage document numbers from the manifest header	“2705”
POD	POD	24	26	C	Required if POD is provided on the manifest header	“LR1”
Voyage Manifest Code	VOY_MNFST_REF_CD	27	27	M	Same as on the manifest header	“A”
Pack Type	TYPE_PK_CD	28	29	M	Enter code from DoD 4500.9-R, Part II, Appendix EE-7	“ZC”
SEAVAN/MILVAN Transportation Control Number	TCN_CONT	30	46	M	TCN of the SEAVAN/MILVAN	“HX8AAW2705V003XXX”
Consignee	CONSIGNEE	47	52	C	DoDAAC for the consignee of the shipment unit. Provided if available	“HXJTBD”
Transportation Priority	PRIORITY	53	53	O	Highest priority of any shipment unit in the SEAVAN/MILVAN	“3”
Earliest Required Delivery Date	RDD_CONT	54	56	O	Earliest RDD of any shipment unit in the SEAVAN/MILVAN	“206”
Consignee Quantity	CONSIGNEE_QTY	57	57	O	Enter consignee quantity indicator based on number of consignees and method of delivery. (See Data Def)	“S”
Shipment Unit Totals	CONT_TOT_SU	58	59	O	Total number of shipment units loaded in the SEAVAN/MILVAN. If quantity is greater than 99, enter XX and put the quantity in a T_R	“01”

Table 3-36. Loaded SEAVAN/MILVAN (T_K) Transaction Format. (cont'd)

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Stowage Location	STOW_LOC	60	63	O	Enter the stowage location of the SEAVAN/MILVAN on board the vessel	"7ART"
Cube in feet	VAN_CUBE_CAP	64	67	O	Enter SEAVAN/MILVAN cubic capacity in whole cubic feet as listed on the van. Leading zeros	"2630"
SEAVAN/MILVAN Quantity	TOTAL_NUMBER_PIECES	68	71	O	For MILVANS, enter 0001. For SEAVANS, enter total number of pieces in van. Leading zeros	"0017"
Total Weight in Pounds	CONT_TOT_WT	72	76	O	Weight in lbs of MILVAN and its contents or weight in lbs of SEAVANS contents. Leading zeros	"22919"
Gross Cube in Inches	TOTAL_CUBE	77	80	O	MILVAN, enter outside cube of van in inches. For SEAVAN, enter total cube of the van contents in inches. Leading zeros	"0887"

3.2.4.31.3 Loaded SEAVAN/MILVAN (T_K) Constraints

The Loaded SEAVAN/MILVAN (T_K) Transaction can be followed by zero, one, or more Shipment Units Loaded into Consolidated Containers Record (T_M) records and/or Loaded CONEX, Unitized Pallet, and All Loaded Consolidation Containers Record (T_L). In addition, the T_K can be followed by zero, one, or more trailer records (T_N through T_R), which would precede any T_M or T_L transactions.

Each T_K transaction, followed by its trailers and its associated prime and trailer TCMDs, follows the TAJ transaction.

3.2.4.31.4 Loaded SEAVAN/MILVAN (T_K) Example

An example of the transaction is shown in Figure 3-38.

TXK91291ICSU40130Q94388TA1AZDHQCWGAW388V003KPBHQCWHZ2222S01TTMF2316076536125212

Figure 3-38. Loaded SEAVAN/MILVAN (T_K) Example.

3.2.4.32 Loaded CONEX, Unitized Pallet, and All Loaded Consolidation Containers (T_L) Transaction

3.2.4.32.1 Loaded CONEX, Unitized Pallet, and All Loaded Consolidation Containers (T_L) Description

The Loaded CONEX, Unitized Pallet, and All Loaded Consolidation Containers (T_L) Transaction provides ocean manifest data for a loaded container that is loaded aboard a vessel and contains one or more shipment units. The loaded container can travel as is or be further consolidated into another larger container. When it is stuffed into a larger container (documented by a T_K), a case of double consolidation exists.

3.2.4.32.2 Loaded CONEX, Unitized Pallet, and All Loaded Consolidation Containers (T_L) Format

The data elements and format for the Loaded CONEX, Unitized Pallet, and All Loaded Consolidation Containers (T_L) Transaction are shown in Table 3-37.

Table 3-37. Loaded CONEX, Unitized Pallet, and All Loaded Consolidation Containers (T_L) Record Format.

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_L. Second position of the DIC is selected from the list in DoD 4500.9-R, Part II, Appendix CC-2	“TXL”
Container Number	CONT_TRL_NBR	4	8	M	Number marked on the consolidation container	“34922”
Loading Activity	LOADING_ACTIVITY_DODAAC	9	14	C	If loaded in a RORO or SEAVAN/MILVAN, enter the Consolidated Container Number in Record Position 9-13. Record Position 14 is blank. Provided if available	“SEAU40”
Commodity Code Water	WTR_CMDTY_CD	15	19	M	Water Commodity Code is code from DoD 4500.9-R, Part II	“700Z9”
Voyage Document Number	VOYDOC	20	23	M	Last four from the voyage document number in the manifest header record	“2705”
POD	POD	24	26	C	Required if POD is provided on the manifest header	“LR1”
Voyage Manifest Reference Code	VOY_MNFST_REF_CD	27	27	M	Same as on the manifest header	“A”

Table 3-37. Loaded SEAVAN/MILVAN (T_K) Transaction Format. (cont'd)

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Pack Type	TYPE_PK_CD	28	29	M	Enter code from DoD 4500.9-R, Part II, Appendix EE-7	"ZZ"
Transportation Control Number	TCN_CONT	30	46	M	TCN of the container	"MB5BA1\$\$0000120XX"
Consignee	CONSIGNEE	47	52	C	DoDAAC for the consignee of the CONEX, Unitized Pallet, or other consolidation container. Provided if available	"M2046C"
Transportation Priority	PRIORITY	53	53	O	Highest priority of any shipment unit in the CONEX, Unitized Pallet, or other consolidation container	"3"
Earliest Required Delivery Date	RDD_CONT	54	56	O	Earliest RDD of any shipment unit in the CONEX, Unitized Pallet, or other consolidation container	"060"
Project Code	PROJECT	57	59	O	Enter Project Code if any, otherwise leave space	"9FF"
Stowage Location	STOW_LOC	60	63	O	Enter the stowage location of the CONEX, Unitized Pallet, or other consolidation container on board the vessel	"5SS2"
Transportation Account Code	TAC	64	67	O	Transportation Account Code, DTR, Part II	"1GHL"
CONEX, Unitized Pallet, or other Consolidated Container Quantity	CONT_QTY	68	71	O	0001	"0001"
Weight in Pounds	CONT_TOT_WT	72	76	O	Weight of CONEX, Unitized Pallet, or other consolidation container and its contents in lbs. Leading zeros	"12000"
Cube in feet	TOTAL_CUBE	77	80	O	Gross cube in feet of CONEX, Unitized Pallet, or other consolidation container. Leading zeros	"1600"

3.2.4.32.3 Loaded CONEX, Unitized Pallet, and All Loaded Consolidation Containers (T_L) Constraints

The Loaded CONEX, Unitized Pallet, and All Loaded Consolidation Containers (T_L) Transaction must be followed by at least one Shipment Unit Loaded into All Consolidated Containers (T_M) transaction. The T_L can also be followed by trailer records (T_N through T_R) associated with the T_L. If the T_L is loaded into a T_K, the T_K with its associated trailer records, must precede the associated T_L transactions.

3.2.4.32.4 Loaded CONEX, Unitized Pallet, and All Loaded Consolidation Containers (T_L) Example

An example of the transaction is shown in Figure 3-39.

TXL57185SW0700693Z926191R3AX1W810DL6202X405XXXW62P4E432223ABTTMFA2050001030000199

Figure 3-39. Loaded CONEX, Unitized Pallet, and All Loaded Consolidation Containers (T_L) Example.

3.2.4.33 Shipment Units Loaded into All Consolidation Containers (T_M) Transaction

3.2.4.33.1 Shipment Units Loaded into All Consolidation Containers (T_M) Description

The Shipment Units Loaded into All Consolidation Containers (T_M) Transaction documents ocean manifest information related to shipment units loaded into a container that is subsequently loaded aboard a vessel.

3.2.4.33.2 Shipment Units Loaded into All Consolidation Containers (T_M) Format

The data elements and format for the Shipment Units Loaded into All Consolidation Containers (T_M) Transaction are shown in Table 3-38.

Table 3-38. Shipment Units Loaded into All Consolidation Containers (T_M) Format.

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_M	"TXM"
Container Number	CONT_TRL_NBR	4	8	M	Number matches the corresponding T_K, T_L, or Loaded T_J. If the shipment is in a consolidated container (T_L) that is in a RORO/SEAVAN/MILVAN, enter the number from the T_K	"24700"

Table 3-38. Shipment Units Loaded into All Consolidation Containers (T_M) Format. (cont'd)

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Consignor	CONSIGNOR	9	14	C	DoDAAC of consignor of the actual shipment unit. If the shipment unit is in a consolidation container (T_L), which is in a RORO/SEAVAN/MILVAN, enter the number from the T_L. Provided if available	"HX8AAW"
Water Commodity Code	WTR_CMDTY_CD	15	19	M	Water commodity code is made up of type cargo code and handling code	"700Z9"
Voyage Document Code	VOYDOC	20	23	M	Enter last four digits of the voyage document number from the manifest header	"2705"
POD	POD	24	26	C	Required if POD is provided on the manifest header	"LR1"
Voyage Manifest Reference Code	VOY_MNFST_REF_CD	27	27	M	Same as on the manifest header	"A"
Pack Type	TYPE_PK_CD	28	29	M		"MX"
Transportation Control Number	TCN_CONT	30	46	M	TCN of the shipment unit	"HXJTAE91832811XXX"
Consignee	CONSIGNEE	47	52	C	DoDAAC for the consignee of the shipment unit. Provided if available	"HXJTAE"
Transportation Priority for the Shipment Unit	PRIORITY	53	53	O	Priority of the shipment unit	"3"
Required Delivery Date for the Shipment Unit	RDD_CONT	54	56	O	RDD of the shipment unit	"052"
Project Code	PROJECT	57	59	O	Enter project code if any, otherwise leave space	"9FF"
Blank	FILLER3	60	62	M	Leave blank	" "
Stopoff Indicator Code	STOPOFF_DELIVERY_CODE	63	63	O	If loaded in a SEAVAN/MILVAN/, enter the number for the stopoff point. Otherwise enter x for no stopoffs	"X"
TAC	TAC	64	67	O	Transportation Account Code	"A209"
Pieces	MOD_PC	68	71	O	Number of pieces for the shipment unit	"0726"
Weight in Pounds	MOD_WT	72	76	O	Weight in lbs of the shipment unit. Leading zeros	"16463"
Cube in Inches	MOD_CUBE	77	80	O	Gross cube in inches of the shipment unit. Leading zeros	"1091"

3.2.4.33.3 Shipment Units Loaded into All Consolidation Containers (T_M) Constraints

One or more associated trailer records (T_N through T_R) may follow the Shipment Unit Loaded into All Consolidated Containers (T_M) Transaction. The T_M transaction cannot appear in the manifest without the associated parent transaction, T_K or T_L. The T_M must follow a T_K or T_L and the trailer records for the T_K or T_L, if there are any.

3.2.4.33.4 Shipment Units Loaded into All Consolidation Containers (T_M) Example

An example of the transaction is shown in Figure 3-40.

TXM22715HQCWGA500Z94388TA1ACSHQCWH9711B0130XAXHQCWH93222S019201XA2090726164631091

Figure 3-40. Shipment Units Loaded into All Consolidation Containers (T_M) Example.

3.2.4.34 Outsize Dimensions (T_N) Transaction

3.2.4.34.1 Outsize Dimensions (T_N) Description

The Outsize Dimensions (T_N) Transaction provides detailed shipment unit data for all outsized cargo and for Government vehicles, trailers, wheeled/tracked guns, and aircraft. Two types of Outsize Dimensions (T_N) transactions exist: one for vehicles, trailers, wheeled/tracked guns and aircraft, and the second for other outsized cargo. Outsized cargo is a Shipment Unit (SU) that is more than six feet in any dimension (Length/Width/Height). Each type has its own data elements and format as explained below.

The first two positions of the DOC_ID on the Outsized Dimension record match the associated T_J or T_M TCMD record. More than one T_N transaction can be associated with the T_J or T_M transaction for non-vehicular outsized dimensions.

3.2.4.34.2 Outsize Dimensions (T_N) Format

The data elements and format of the Outsize Dimensions (T_N) Transaction used for equipment other than Government vehicles, trailers, wheeled/tracked guns, and aircraft is shown in Table 3-39a. The data elements and format for Government vehicles, trailers, wheeled/tracked guns, and aircraft is shown in Table 3-39b.

Table 3-39a. Outsize Dimensions (T_N) Format.

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_N. Second position matches the prime TCMD record	“TXN”
Container Number	CONT_TRL_NBR	4	8	O	Same as the prime record	“ ”
Blank	FILLER6	9	14	M	Leave blank	“ ”
Water Commodity Code	WTR_CMDTY_CD	15	19	M	Same as prime record	“700Z9”

Table 3-39a. Outsize Dimensions (T_N) Format. (cont'd)

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Voyage Document Number	VOYDOC	20	23	M	Last four digits of the voyage document number from the Ocean Manifest Record (TAJ)	"2714"
POD	POD	24	26	C	Required if POD is provided on the manifest header	"HA8"
Voyage Manifest Reference Code	VOY_MNFST_REF_CD	27	27	M	Same as on the manifest header	"A"
Pack Type	TYPE_PK_CD	28	29	M	Same as prime record	"RT"
Transportation Control Number	TCN	30	46	M	Same as prime record	"HXGBAA91962714XXX"
Consignee DoDAAC	CONSIGNEE	47	52	C	Same as prime record. Provided if available	"HX8BAW"
Transportation Priority	PRIORITY	53	53	O	Same as prime record	"3"
Cargo Length in Inches	CARGO_LTH	54	58	O	Entered if length is more than 6 feet in inches. Left zero fill	"00168"
Length Indicator	L_CONSTANT	59	59	O	"L" indicates the dimensions in position 54-58 is the length	"L"
Cargo Width in Inches	CARGO_WTH	60	62	O	Entered if width is more than 6 feet in inches. Left zero fill	"104"
Width Indicator	W_CONSTANT	63	63	O	"W" indicates the dimensions in position 60-62 is the width	"W"
Cargo Height in Inches	CARGO_HT	64	66	O	Entered if height is more than 6 feet in inches. Left zero fill	"080"
Height Indicator	H_CONSTANT	67	67	O	"H" indicates the dimensions in position 64-66 is the height	"H"
Pieces	MOD_PC	68	71	O	Number of pieces to which dimensions apply	"0001"
Piece Weight in Pounds	MOD_WT	72	76	O	Weight of one of the pieces in lbs to which dimensions apply. Prime has total	"03500"
Piece Cube in Inches	MOD_CUBE	77	80	O	Cube of one of the pieces in inches. Prime has total	"0017"

Table 3-39b. Government Vehicles, Trailers, Wheeled Guns, and Aircraft (TVN) Format.

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	Always TVN. Second position matches the prime TCMD record	“TVN”
Blank	FILLER5	4	8	M	Leave blank	“ ”
Model	MODEL	9	14	O	Blank except for when the shipment unit is an aircraft, vehicle, trailer, or wheeled gun	“M35A2 ”
Basic Issue Items	BASIC_ISSUE_ITEM	15	19	O	For Government vehicles and trailers, BII is in first three positions and number of pieces in last two. For all others, enter the commodity code from TCMD	“BII02”
Voyage Document Number	VOYDOC	20	23	M	Last four digits of the voyage document number from the Ocean Manifest Record (TAJ)	“2714”
Port of Debarkation	POD	24	26	C	Required if POD is provided on the manifest header	“HA8”
Voyage Manifest Reference Code	VOY_MNFST_REF_CD	27	27	M	Same as on the manifest header	“A”
Pack Type	TYPE_PK_CD	28	29	M	Same as prime record	“RT”
Transportation Control Number	TCN	30	46	M	Same as prime record	“HXGBAA91962714XXX”
Consignee	CONSIGNEE	47	52	C	Same as prime record. Provided if available	“HX8BAW”
Transportation Priority	PRIORITY	53	53	O	Same as prime record	“3”
Cargo Length in Inches	CARGO_LTH	54	58	O	Length in inches. Left zero fill	“00123”
Length Indicator	L_CONSTANT	59	59	O	“L”	“L”
Cargo Width in Inches	CARGO_WTH	60	62	O	Width in inches. Left zero fill	“089”
Width Indicator	W_CONSTANT	63	63	O	“W”	“W”
Cargo Height in Inches	CARGO_HT	64	66	O	Height in inches. Left zero fill	“034”
Height Indicator	H_CONSTANT	67	67	O	“H”	“H”
Serial Number	SERIAL_NBR	68	80	O	The serial number of the single shipment unit	“V1913 ”

3.2.4.34.3 Outsize Dimensions (T_N) Constraints

The second position of the Document Identifier for Outsized Dimensions (T_N) Transaction is “V” if the transaction documents Government vehicles, trailers, wheeled/tracked guns, and

aircraft. If the T_N is documenting outsized cargo, than the second position of the Document Identifier matches the prime record to which the T_N is associated.

All trailer records follow the prime record, to which associated, in alphabetical sequence based on the third position of the Document Identifier, i.e., T_N, T_O, T_P, and/or T_R.

3.2.4.34.4 Outsize Dimensions (T_N) Example

An example of the transaction is shown in Figure 3-41a.

```
TXN 700Z92714HA8ARTHXGBAA91962714XXX300168L104W080H0001035000017
```

Figure 3-41a. Outsize Dimensions (T_N) Example.

3.2.4.34.5 Government Vehicles, Trailers, Wheeled Guns, and Aircraft (TVN) Example

An example of the transaction is shown in Figure 3-41b.

```
TVN M35A2 BII022714HA8ARTHXGBAA91962714XXXHX8BAW300123L089W034HV1913
```

Figure 3-41b. Government Vehicles, Trailers, Wheeled Guns, and Aircraft (TVN) Example.

3.2.4.35 Ammunitions and Explosives (TEO), Hazardous Materials (TJO) Transactions

3.2.4.35.1 Ammunitions and Explosives (TEO), Hazardous Materials (TJO) Description

The Ammunitions and Explosives (TEO) and the Hazardous Material (TJO) Transactions are trailer records that are required to be associated with a TCMD record for a single shipment unit that is not loaded in a consolidated container.

The TEO and TJO trailer records are associated with specific TCMD (T_M) records and are tied to the TCMD record through the TCN and DOC_ID. The first two positions of the DOC_ID on the Ammunitions and Explosives and Hazardous Materials trailer records match their parent TCMD (T_M) record. The records are consistent with the DTR's standard 80-character format.

3.2.4.35.2 Ammunitions and Explosives (TEO), Hazardous Materials (TJO) Format

The data elements and format for the TEO and TJO, when used for ocean movement, are shown in Table 3-40.

Table 3-40. Ammunitions and Explosives (TEO) and Hazardous Materials (TJO) Format.

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_O. Second position of the DIC matches the	"TEO"

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					TCMD, either E or J	
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Table 3-40. Ammunitions and Explosives (TEO) and Hazardous Materials (TJO) Format. (cont'd)

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Container Number	CONT_TRL_NBR	4	8	O	Same as prime record	“ ”
Round Count	COUNT	9	14	O	For ammunition, this is round count or number followed by M (thousands)	“000001”
Water Commodity Code	WTR_CMDTY_CD	15	19	M	Same as prime record	“700Z9”
Voyage Document Number	VOYDOC	20	23	M	Last four digits of the voyage document number from the Ocean Manifest Record (TAJ)	“9606”
Port of Debarkation	POD	24	26	C	Required if POD is provided on the manifest header	“JH2”
Voyage Manifest Reference Code	VOY_MNFST_REF_CD	27	27	M	Same as on the manifest header	“:A”
Pack Type	TYPE_PK_CD	28	29	M	Same as prime record	“PT”
Transportation Control Number	TCN	30	46	M	Same as prime record	“SW312391730017XXX”
Consignee	CONSIGNEE	47	52	C	Same as prime record. Provided if available	“FB5612”
Transportation Priority	PRIORITY	53	53	O	Same as prime record	“3”
National Stock Number	NSN	54	66	O	NSN. If stock no. is not known, enter NNSN in positions 54-57, leave 58-66 blank	“NNSN ”
Depart of Defense Identification Code	DODIC	67	70	C	DoDIC for TEO; “IMO ” for TJO	“AO11”
Class Division	CLASS_DIV	71	72	M	For other than nonhazardous, see IMDGC, 49 CFR	“13”
Blank	FILLER1	73	73	M	Leave blank	“ ”
UN or NA Code	UN_NA	74	75	O	For TEO and TJO contains “UN” or “NA”	“UN”
Identification Number	IDENT_NBR	76	79	C	Four-digit from IMDGC or other publication for both the TEO and TJO. This number should be present if “UN” or “NA” is present in the UN_CODE	“1234”
Compatibility Group	COMPATIBILITY_GP	80	80	O	Enter compatibility group code from IMDGC or 49 CFR, otherwise leave blank	“H”

3.2.4.35.3 Ammunitions and Explosives (TEO) and Hazardous Materials (TJO) Constraints

The records must follow the associated prime TMCD record. Comment trailer records (T_R) whose first two positions in the Document ID match the TCMD record, may occur after the hazardous materials, ammunition, and explosives records.

3.2.4.35.4 Ammunitions and Explosives (TEO) and Hazardous Materials (TJO) Example

An example of the transaction is shown in Figure 3-42.

TEO	0000001700Z99606JH2APTSW312391730017XXXFB56123NNSN	AO1113 UN1234H
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Figure 3-42. Ammunition and Explosives (TEO) and Hazardous Materials (TJO) Example.

3.2.4.36 Stock Number (T_O) Transaction

3.2.4.36.1 Stock Number (T_O) Description

The Stock Number (T_O) Transaction is a trailer record associated with a TCMD record for a single shipment unit that is not loaded in a consolidated container.

The T_O trailer records are associated to a specific TCMD T_M or T_J record and is tied to the TCMD record through the TCN and DOC_ID. The first two positions of the DOC_ID on the Stock Number trailer record match the parent TCMD (T_M) record. The records are consistent with the DTR's standard 80-character format.

3.2.4.36.2 Stock Number (T_O) Format

The data elements and format for the Stock Number (T_O) Transaction are shown in Table 3-41.

Table 3-41. Stock Number (T_O) Format.

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_O. Second position of the DIC matches the TCMD	"TXO"
Container Number	CONT_TRL_NBR	4	8	O	Same as the prime record	"79341"
Blank	FILLER6	9	14	M	Leave blank	" "
Water Commodity Code	WTR_CMDTY_CD	15	19	M	Same as prime record	"700Z9"
Voyage Document Number	VOYDOC	20	23	M	Last four digits of the voyage document number from the Ocean Manifest Record (TAJ)	"9606"
POD	POD	24	26	C	Required if POD is provided on the manifest header	"JH2"

Table 3-41. Stock Number (T_O) Format. (cont'd)

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Voyage Manifest Reference Code	VOY_MNFST_REF_CD	27	27	M	Same as on the manifest header	"A"
Pack Type	TYPE_PK_CD	28	29	M	Same as the prime record	"PT"
Transportation Control Number	TCN	30	46	M	Same as the prime record	"SW312391730017XXX"
Consignee DoDAAC	CONSIGNEE	47	52	C	Same as the prime record. Provided if available	"FB5612"
Transportation Priority	PRIORITY	53	53	O	Same as the prime record	"3"
National Stock Number	NSN	54	66	O	Enter NSN. If stock no. is not known, enter NNSN in positions 54-57, leave 58-66 blank	"8455014561159"
Nomenclature for Nonhazardous	ABRV_NOMEN	67	80	O	If the record is for nonhazardous material, enter the abbreviated nomenclature of the item listed in rp 54-66. (If second position of DIC is other than "E" or "J")	"AIR CLEANER "

3.2.4.36.3 Stock Number (T_O) Constraints

The record must follow the associated TMCD record. Comment trailer records (T_R), whose first two positions in the Document ID match the TCMD record, may occur after the stock number record.

3.2.4.36.4 Stock Number (T_O) Example

An example of the transaction is shown in Figure 3-43.

TXO79341	700Z99606JH2APTSW312391730017XXXFB561238455014561159AIR CLEANER
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Figure 3-43. Stock Number (T_O) Example.

3.2.4.37 Net Explosive Weight and Lot Number (TEP) Transaction

3.2.4.37.1 Net Explosive Weight and Lot Number (TEP) Description

The TEP transaction documents the net explosive weight of a lot number associated with the shipment unit. The TEP is required when the shipment unit is ammunition or explosives. The first two positions of the Document Identifier on the Net Explosive Weight and Lot Number transaction match the associated prime transaction. All Net Explosive Weight and Lot Number transactions are in Defense Transportation Regulation standard 80-character format.

For shipment units that contain more than one lot, a separate TEP is provided for each lot. If a single piece of a shipment unit, whether it's a consolidated container, warehouse pallet, etc., contains multiple lots, separate TEP transactions are required for each lot.

3.2.4.37.2 Net Explosive Weight and Lot Number (TEP) Format

The data elements and format for the Net Explosive Weight and Lot Number (TEP) transaction are shown in Table 3-42.

Table 3-42. Net Explosive Weight and Lot Number (TEP) Format.

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	Always TEP	"TEP"
Container Number	CONT_TRL_NBR	4	8	O	Same as prime record	"24722"
Net Explosive Weight	NEW	9	14	M	Weight of explosive material for Class A, B, and C explosives	"002975"
Water Commodity Code	WTR_CMDTY_CD	15	19	M	Same as prime record	"700Z9"
Voyage Document Number	VOYDOC	20	23	M	The last four digits of the voyage document number in Ocean Cargo manifest header (TAJ)	"2714"
Port of Debarkation	POD	24	26	C	Required if POD is provided on the manifest header	"HA8"
Voyage Manifest Record Code	VOY_MNFST_REF_CD	27	27	M	Same as on the manifest header	"A"
Pack Type	TYPE_PK_CD	28	29	M	Same as prime record	"MW"
Transportation Control Number	TCN	30	46	M	Same as prime record	"HXGBAA91962714XXX"
Consignee	CONSIGNEE	47	52	C	Same as prime record. Provided if available	"HX8BAW"
Transportation Priority	PRIORITY	53	53	O	Same as prime record	"3"
Lot Number	LOT_NR	54	67	M	Identifying number for the explosive lot	"12341234567890"
Pieces in the Lot	TOTAL_NUMBER_PIECES	68	71	O	Number of pieces in the lot	"0001"
Weight of the Lot in Pounds	MOD_WT	72	76	O	Lot weight in lbs	"02975"
Cubic Feet of the Lot	TOTAL_CUBE	77	80	O	Cubic feet of lot	"0464"

3.2.4.37.3 Net Explosive Weight and Lot Number (TEP) Constraints

The TEP transaction must follow its associated prime TCMD transaction. Comment trailer transactions (T_R) that match the first two positions of the Document Identifier may follow the Net Explosive Weight and Lot Number transaction.

3.2.4.37.4 Net Explosive Weight and Lot Number (TEP) Example

An example of the transaction is shown in Figure 3-44.

TEP24722002975500Z94389XE2ACSR2088361561844XXXN0060431346890	0400300000689
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Figure 3-44. Net Explosive Weight and Lot Number (TEP) Example.

3.2.4.38 General Miscellaneous not Otherwise Detailed (T_R) Transaction

3.2.4.38.1 General Miscellaneous not Otherwise Detailed (T_R) Description

The General Miscellaneous not Otherwise Detailed (T_R) transaction provides trailer information or remarks related to any of the prime transactions, T_J, T_K, T_L, and the T_M. The second position of the Document Identifier will not be “E” or “J” because this version of the T_R is not used to document hazardous cargo. Two types of T_R transactions are possible. The first is for a shipment without a ULN and the second is for a shipment that has a ULN and may have a LIN and LIN index.

3.2.4.38.2 General Miscellaneous not Otherwise Detailed (T_R) Format

The data elements and format for the General Miscellaneous not Otherwise Detailed (T_R) Transaction for Non Unit Move cargo are shown in Table 3-43a. The format for the General Miscellaneous not Otherwise Detailed (T_R) Transaction for Unit Move equipment is shown in Table 3-43b.

Table 3-43a. General Miscellaneous not Otherwise Detailed (T_R) Format.

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_R. Second position matches prime TCMD	“TXR”
Container Number	CONT_TRL_NBR	4	8	O	Same as prime record	“34947”
Blank	FILLER6	9	14	M	Leave blank	“ ”
Water Commodity Code	WTR_CMDTY_CD	15	19	M	Same as prime record	“700Z9”
Voyage Document Number	VOYDOC	20	23	M	Last four digits of the voyage document number in the Ocean Cargo manifest header (TAJ)	“2714”
POD	POD	24	26	C	Required if POD is provided on the manifest header	“HA8”
Voyage Manifest Reference Code	VOY_MNFST_REF_CD	27	27	M	Same as on the manifest header	“A”
Pack Type	TYPE_PK_CD	28	29	M	Same as prime record	“MX”

Table 3-43a. General Miscellaneous not Otherwise Detailed (T_R) Format. (cont'd)

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Transportation Control Number	TCN	30	46	M	Same as prime record	"HXJTBBD91832811XXX"
Consignee	CONSIGNEE	47	52	C	Same as prime record. Provided if available	"FB5023"
Transportation Priority	PRIORITY	53	53	O	Same as prime record	"3"
Remarks	REMARKS_TEXT	54	79	M	Enter the clear text data necessary for shipment, but not detailed in other data entries	"M/F ADANA AREA CONTAINER "
Sequence Number	SEQ_NBR	80	80	M	Remarks sequence number beginning with the number 1	"1"

Table 3-43b. General Miscellaneous not Otherwise Detailed (T_R) (Unit Move) Format.

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_R Second position matches prime TCMD	"TXR"
Container Number	CONT_TRL_NBR	4	8	O	Same as prime record	"79341"
Blank	FILLER6	9	14	M	Leave blank	" "
Water Commodity Code	WTR_CMDTY_CD	15	19	M	Same as prime record	"700Z9"
Voyage Document Number	VOYDOC	20	23	M	Last four digits of the voyage document number in the Ocean Cargo manifest header (TAJ)	"2714"
POD	POD	24	26	C	Required if POD is provided on the manifest header	"HA8"
Voyage Manifest Reference Code	VOY_MNFST_REF_CD	27	27	M	Same as on the manifest header	"A"
Pack Type	TYPE_PK_CD	28	29	M	Same as prime record	"MX"
Transportation Control Number	TCN	30	46	M	Same as prime record	"HXJTBBD91832811XXX"
Consignee	CONSIGNEE	47	52	C	Same as prime record. Provided if available	"FB5612"
Transportation Priority	PRIORITY	53	53	O	Same as prime record	"3"
Unit Line Number	ULN	54	57	M	For a deployment, enter "ULN:"	"ULN:"

Table 3-43b. General Miscellaneous not Otherwise Detailed (T_R) (Unit Move) Format. (cont'd)

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Unit Line Number	ULN_NBR	58	64	M	If "ULN:" is present in record position 54-57, then the appropriate "ULN:" number is mandatory	"CEC2C "
Lin Number	LIN	65	70	O	Line Item Number	"D1059"
Remarks Text	REMARKS_TXT(9)	71	79	O	Free text	" "
Sequence Number	SEQ_NBR	80	80	M	Remarks sequence number beginning with the number 1	"1"

3.2.4.38.3 General Miscellaneous not Otherwise Detailed (T_R) Constraints

The transaction is associated with only one prime document, however, more than one T_R can be associated with the same prime. If multiple T_Rs are provided, they will be sequenced using the Sequence Number field in record position 80.

3.2.4.38.4 General Miscellaneous not Otherwise Detailed (T_R) Example

An example of the transaction is shown in Figure 3-45a.

TXR21535	13Z564389XE2ACDW62O4E489V015LK2XN006042	1
----------	---	---

Figure 3-45a. General Miscellaneous not Otherwise Detailed (T_R) Example.

3.2.4.38.5 General Miscellaneous not Otherwise Detailed (T_R) (Unit Move) Example

An example of the transaction is shown in Figure 3-45b.

TXR21435	12V675670XE2ACDW62P4E489V0164K13XN006042ULN:CKVB01X4000901	1
----------	--	---

Figure 3-45b. General Miscellaneous not Otherwise Detailed (T_R) (Unit Move) Example.

3.2.4.39 SEAVAN/MILVAN Miscellaneous Information (T_R) Transaction

3.2.4.39.1 SEAVAN/MILVAN Miscellaneous Information (T_R) Description

The SEAVAN/MILVAN Miscellaneous Information (T_R) transaction provides additional information about loaded or empty MILVANs, SEAVANs, or CONEX Containers.

3.2.4.39.2 SEAVAN/MILVAN Miscellaneous Information (T_R) Format

The data elements and format for the SEAVAN/MILVAN Miscellaneous Information (T_R) transaction are shown in Table 3-44a.

Table 3-44a. SEAVAN/MILVAN Miscellaneous Information (T_R) Format.

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_R Second position matches prime TCMD	"TXR"
Container Number	CONT_TRL_NBR	4	8	M	Same as prime record	"61922"
Zip Code	ZIP_CODE	9	14	O	"X" followed by the five-digit zip code for the van's point of origin	"X20735"
Water Commodity Code	WTR_CMDTY_CD	15	19	M	Same as prime record	"FOOXX"
Voyage Document Number	VOYDOC	20	23	M	Last four digits of the voyage document number in the Ocean Cargo manifest header (TAJ)	"9628"
POD	POD	24	26	C	Required if POD is provided on the manifest header	"JH2"
Voyage Manifest Reference code	VOY_MNFST_REF_CD	27	27	M	Same as on the manifest header	"A"
Pack Type	TYPE_PK_CD	28	29	M	Same as prime record	"40"
Transportation Control Number	TCN_CONT	30	46	M	Same as prime record	"SD03089628V004MM5"
Consignee	CONSIGNEE	47	52	C	Same as prime record. Provided if available	"SD0311"
Transportation Priority	PRIORITY	53	53	O	Same as prime record	"3"
Van Number Indicator	VN_INDICATOR	54	55	M	Always "VN"	"VN"
Van Number	VAN_NBR	56	63	M		"00661922"
Dash	DASH	64	64	M	Always "-"	"_"
Check Digit	CHECK_DIGIT	65	65	O	Check digit marked on the container. If the container does not have a check digit, leave a space	"0"
Seal Number	SEAL_NBR	66	73	O	Complete seal number of the seal used to seal the container	"00001393"
Ocean Carrier Code	CARRIER_ID_CODE	74	77	O	For loaded vans, enter the ocean carrier code, otherwise leave blank	"LYKU"
Beam Assemblies	BEAM_ASSEMBLIES	78	79	O		" "

Table 3-44a. SEAVAN/MILVAN Miscellaneous Information (T_R) Format. (cont'd)

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Sequence Number	SEQ_NBR	80	80	M	A sequence number entry beginning with one for each T_9 record for the shipment unit	"1"

3.2.4.39.3 SEAVAN/MILVAN Miscellaneous Information (T_R) Constraints

The SEAVAN/MILVAN Miscellaneous Information (T_R) transaction is associated with only the T_J and the T_K transactions. The second position of the Document Identifier (DOC_ID) must match the prime TCMD. If multiple T_Rs are provided, they will be sequenced using the Sequence Number field in record position 80.

3.2.4.39.4 SEAVAN/MILVAN Miscellaneous Information (T_R) Example

An example of the transaction for a loaded SEAVAN/MILVAN is shown in Figure 3-46.

TJR57185X9462670XB94389XE2A40W62P4E4389V015LK2N006043VN02257185- 00704841MATS 1

Figure 3-46. SEAVAN/MILVAN Miscellaneous Information (T_R) Example.

3.2.4.40 SEAVAN/MILVAN Stopoff Points (T_R) Transaction

3.2.4.40.1 SEAVAN/MILVAN Stopoff Points (T_R) and SEAVAN/MILVAN Stopoff Points for REEFERs (T_R) Description

The SEAVAN/MILVAN Stopoff Points (T_R) Transaction provides the data on any SEAVAN/MILVAN Stopoff point. Two versions of the transaction are possible. One is for SEAVANs and MILVANs that contain dry cargo only and the second is for refrigerated (REEFER) containers.

3.2.4.40.2 SEAVAN/MILVAN Stopoff Points (T_R) Format

The data elements and format for the SEAVAN/MILVAN Stopoff Points (T_R) transaction for non-refrigerated cargo containers are described in Table 3-45a. The data elements and format for the REEFER SEAVAN/MILVAN Stopoff Points (T_R) transaction are shown in Table 3-45b.

Table 3-45a. SEAVAN/MILVAN Stopoff Points (T_R) Format.

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_R Second position matches prime TCMD	"TXR"

Table 3-45a. SEAVAN/MILVAN Stopoff Points (T_R) Format. (cont'd)

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Container Number	CONT_TRL_NBR	4	8	M	Same as the prime TCMD data entry	"85952"
Zip Code	ZIP_CODE	9	14	O	"X" followed by the five-digit zip code for the van's point of origin	"X23603"
Water Commodity Code	WTR_CMDTY_CD	15	19	M	Same as prime record	"700Z9"
Voyage Document Number	VOYDOC	20	23	M	Last four digits of the voyage document number in the Ocean Cargo Manifest Record (TAJ)	"9606"
POD	POD	24	26	C	Required if POD is provided on the manifest header	"HHA"
Voyage Manifest Reference Code	VOY_MNFST_REF_CD	27	27	M	Same as on the manifest header	"A"
Van Length Ordered	VAN_LENGTH_ORDERED	28	29	M	Length of the van ordered in feet	"40"
Transportation Control Number	TCN_CONT	30	46	M	Same as prime record	"HX8AAW2705 V003XXX"
Consignee	CONSIGNEE	47	52	C	Same as prime record. Provided if available	"HXJTBD"
Transportation Priority	PRIORITY	53	53	M	Same as prime record	"3"
Stopoff Number	STOP_OFF_NBR	54	59	M	"STOP" and the stopoff number, e.g., STOP01	"STOP01"
Stopoff Depart of Defense Activity Address Code	STOP_OFF_LOC	60	65	M	The DoDAAC of the stopoff indicated in RP 54-59	"HXGCRR"
Blank	FILLER2	66	67	M	Leave blank	" "
Stopoff	STOP_OFF_NBR	68	73	O	"STOP" and the stopoff number, e.g., STOP01	" "
Stopoff Depart of Defense Activity Address Code	STOP_OFF_LOC	74	79	O	The DoDAAC of the stopoff indicated in RP 68-73	" "
Sequence Indicator	SEQ_IND	80	80	M	Sequence indicator, beginning with letter A, for each T_R stopoff data entry	"A"

Table 3-45b. SEAVAN/MILVAN Stopoff Points (T_R) (for REEFERS) Format.

TC-AIMS II Field Name	Data Element Name	Start Byte Offset	End Byte Offset	IR/DD Required Element	Comments	Sample Data
Document Identifier	DOC_ID	1	3	M	T_R Second position matches prime TCMD	"TXR"
Container Number	CONT_TRL_NBR	4	8	M	Same as prime record	"85952"
Zip Code	ZIP_CODE	9	14	O	"X" followed by the five-digit zip code for the van's point of origin	"X23603"
Fahrenheit	FAHRENHEIT	15	19	M	For a reefer van, enter "F" followed by the temperature or temperature range required to properly maintain the cargo, e.g., 34 degrees is shown as F34XX	"F34XX"
Voyage Document Number	VOYDOC	20	23	M	Last four digits of the voyage document number in the Ocean Cargo Manifest Record (TAJ)	"9606"
POD	POD	24	26	C	Required if POD is provided on the manifest header	"HHA"
Voyage Manifest Reference Code	VOY_MNFST_REF_CD	27	27	M	Same as on the manifest header	"A"
Van Length Ordered	VAN_LENGTH_ORDERED	28	29	M	Length of the van ordered in feet	"40"
Transportation Control Number	TCN_CONT	30	46	M	Same as prime record	"HX8AAW2705 V003XXX"
Consignee	CONSIGNEE	47	52	C	Same as prime record. Provided if available	"HXJTBD"
Transportation Priority	PRIORITY	53	53	M	Same as prime record	"3"
Stopoff Number	STOP_OFF_NBR	54	59	M	STOP and the stopoff number, e.g., STOP01	"STOP01"
Stopoff Depart of Defense Activity Address Code	STOP_OFF_LOC	60	65	M	The DoDAAC of the stopoff indicated in RP 54-59	"HXGCRR"
Blank	FILLER2	66	67	M	Leave blank	" "
Stopoff	STOP_OFF_NBR	68	73	O	"STOP" and the stopoff number, e.g., STOP01	" "
Stopoff Depart of Defense Activity Address Code	STOP_OFF_LOC	74	79	O	The DoDAAC of the stopoff indicated in RP 54-59	" "
Sequence Indicator	SEQ_IND	80	80	M	Sequence indicator, beginning with letter A, for each T_R stopoff data entry	"A"

3.2.4.40.3 SEAVAN/MILVAN Stopoff Points (T_R) Constraints

The SEAVAN/MILVAN Stopoff transaction is associated with the T_K transaction. The second position of the Document Identifier matches that of the prime transaction. If multiple T_Rs are provided, they will be sequenced using the Sequence Indicator field in record position 80.

3.2.4.40.4 SEAVAN/MILVAN Stopoff Points (T_R) Example

An example of the transaction is shown in Figure 3-47.

```
TJR57185X9462670XB94389XE2V40W62P4EA389V015LK2N006043STOP01HX9HHW STOP02HX2PH1A
```

Figure 3-47. SEAVAN/MILVAN Stopoff Points (T_R) Example.

3.2.4.40.5 SEAVAN/MILVAN Stopoff Points (T_R) (for REEFERs) Example

An example of the transaction is shown in Figure 3-48.

```
TJR57183X94626F43XX4389XE2V40W62P4E4222V016KP3N006043STOP01HX9HHW STOP02HX2PH1A
```

Figure 3-48. SEAVAN/MILVAN Stopoff Points (T_R) (for REEFERs) Example.

3.3 INTERFACE PRIORITY

Priority of handling TC-AIMS II files is not a factor with GTN. The files are processed in the order in which they arrive.

3.4 COMMUNICATIONS

This paragraph details the communications interface between GTN and TC-AIMS II, including network connectivity, communications protocols, security, and other associated interface parameters. TC-AIMS II will communicate with GTN using IP via networks provided by the Unclassified Internet Protocol Router Network (NIPRNET), a component of the Defense Information System Network (DISN). TC-AIMS II will transmit, or “push” data files to GTN using Secure Shell/Secure Copy (SCP).

3.4.1 Communication Architecture

The communications architecture for the GTN–TC-AIMS II interface is depicted in Figure 3-49. The primary means of connectivity is via NIPRNET. TC-AIMS II will transfer files that it builds during daily processing to GTN using SSH/SCP. In the event that NIPRNET is unavailable or unable to provide an acceptable level of service, TC-AIMS II will access GTN via commercial dial-up lines using Peer, Point-to-Point (PPP). Once the PPP connection is established, TC-AIMS II will use SSH/SCP over the PPP-based session to perform the file transfer.

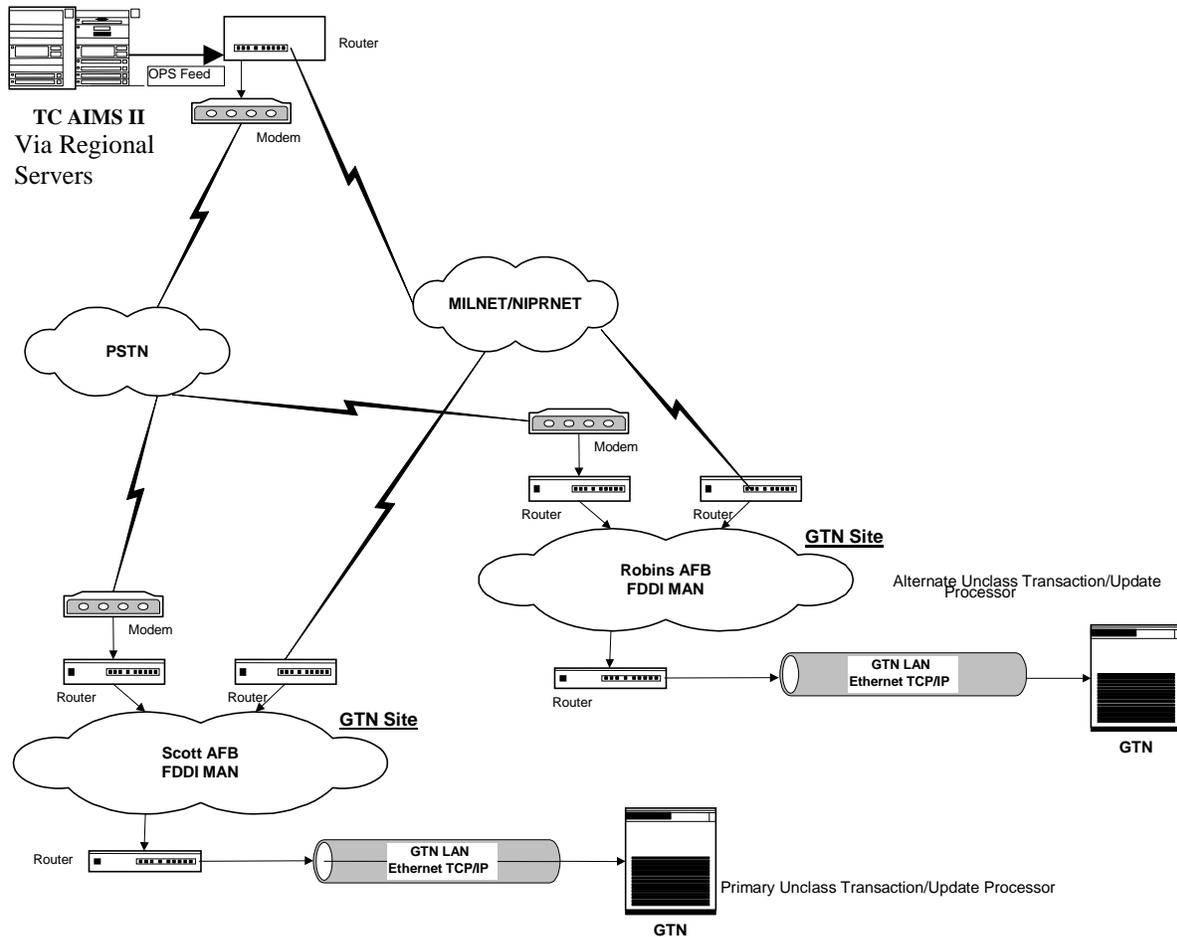


Figure 3-49. TC-AIMS II-GTN Site Communications Architecture.

The physical connectivity paths include the following nodes:

- At Scott AFB, TC-AIMS II via NIPRNET to the Scott AFB NIPRNET routers, to the NOSC Unclassified LAN router, then to the GTN Unclassified/Sensitive LAN
- At Robins AFB, TC-AIMS II via NIPERNET to the Robins AFB NIPRNET routers, to the Robins Unclassified LAN router, then to the GTN Unclassified/Sensitive LAN.

3.4.2 Communications Protocol

TC-AIMS II will transmit data files to GTN via the SSH/SCP, which supports secure encrypted-password login, cryptographic client and server authentication; session and file transfer encryption, data compression, and message integrity protection.

The secure file transfer procedure includes the following steps:

- A TC-AIMS II transaction processing system opens an SSH/SCP session with the GTN Transaction/Update servers.

- Once the encrypted SSH session is established, the TC-AIMS II system uses SCP to transfer the current data file to a TC-AIMS II temporary holding directory on the GTN Transaction/Update servers, where the file is held for verification.
- If the transfer aborts or the SCP result codes do not verify message integrity, the TC-AIMS II transaction processor retransfers the file with the same name (in case of a partial transmission) or deletes the non-validated file and retransfers the data file with a new file name.
- When all queued files have been sent, the TC-AIMS II transaction processor terminates the SSH session.

In the event that adequate access via NIPRNET is unavailable, TC-AIMS II will access GTN via commercial dial-up lines using PPP. Once the PPP connection is established, TC-AIMS II will use SSH/SCP to perform the file transfer.

3.4.2.1 Backup Communications Protocol

Presently, there is no backup TC-AIMS II site. The NIPRNET provides a meshed topology of automatically generated alternate routes.

3.4.3 Interface Rules

TC-AIMS II will transfer information to GTN in an event-driven mode, transmitting periodically to a centralized collection server that will send the data to GTN.

TC-AIMS II will transmit data files to the GTN Sensitive But Unclassified (SBU) Transaction/Update servers. TC-AIMS II should use the Domain Name Service (DNS) identifier of the GTN Transaction/Update servers for establishment of the SCP session (provided under separate cover). If TC-AIMS II is unable to use DNS, the virtual GTN Transaction/Update server IP address will be provided (also under separate cover for security reasons).

Individual TC-AIMS II sites will transmit to centralized collection servers to eliminate single site connections to GTN. Each collection server requiring direct connection to GTN will use the common TC-AIMS II account on the GTN Transaction/Update servers. The number of required connections between TC AIMS II and GTN will be determined by the Joint Requirements Office (JRO) and the Joint Transportation Management Board (JTMB). GTN can accommodate and will plan for up to ten connections without adversely impacting operational capability. Requirements above this limit may necessitate additional operational capability. All data transferred to GTN will be valid production data that meets the specifications defined in this document. Test accounts will be provided, separately, for the purpose of transferring any test data.

The GTN requirement is for TC-AIMS II to develop the capability to queue update data for up to 48 hours without loss of data. TC-AIMS II maintains the ability to reconstruct from historical records, files that may be lost if the communication feed between TC-AIMS II and GTN is lost. This capability is available on an exception basis. TC-AIMS II will develop the queuing

capability following internal review and approval processes within its Configuration Management Board (CMB).

3.4.4 File and Directory Conventions

Connection to the destination directory for input data files will be transparent to the user (i.e., establishment of the SCP session will place the sending site in the proper directory).

Input data files will be named in accordance with the file name standards detailed in this paragraph. These conventions ensure each incoming data file is uniquely identifiable. The file name will contain the source system identifier, a dot (“.”) separator, a site or unit identifier (either a DoDAAC or UIC), a date-time-group, a dot (“.”) separator, and an ending file suffix (.gtn). The file name must be lowercase. The syntax of the file name is as follows:

<system>.<site or unit identifier><date-time-group>.gtn

- The <system> will always be “TCAC” for TC-AIMS II.
- The <date-time-group> will be in Zulu time and consist of 10 alphanumeric characters (i.e., dddhhmmsss). For example, “1341705354” would represent a transmission at Julian day 134 (May 14 during 2001 or other non-leap year) at 17:05:354 PM.
- An example file from the TC-AIMS II site would have the following name:

TCAC.CG98781341705354.gtn

3.4.5 Communications Security

The GTN–TC-AIMS II interface is Sensitive But Unclassified. The GTN SBU partition equipment set performs processing of input TC-AIMS II data.

Communications are secured via end-to-end encrypted and authenticated SSH logins and SCP file transfer sessions. SSH authentication prevents session playback and IP spoofing, and SSH encryption prevents message deciphering. GTN computer centers are protected by firewalls, intrusion detection systems, computer facilities physical security, and host and network security countermeasures.

3.4.6 Nondevelopment Items

SSH/SCP secured file transfer software is licensed to and distributed by GTN.

3.4.7 TC-AIMS II Site Identification

TC-AIMS II users will consist of Army, Navy, and Marine Corps units located worldwide. Each designated unit may be assigned multiple systems with all movement reporting activity coordinated at the individual unit level.

To enhance GTN system security, designated GTN Transaction/Update server DNS identifiers, IP addresses, Transaction/Update server UNIX account names and passwords, and dial-in telephone numbers will be provided under separate correspondence.

Section 4
SECURITY

Section 4

SECURITY

4.1 SECURITY REQUIREMENTS

This section addresses the security requirements that are specific to GTN, its mission, and its operation. The operational requirements include, among others, requirements placed on the system architecture, the roles mandated for its operation, and the physical constraints of the facility.

4.2 SECURITY REFERENCES

The GTN operational security requirements were derived from the DoD Regulation 5200.1R and DoD Directive (DoDD) 5200.28, and tailored using the GTN Mission Need Statement (MNS). These operational requirements have been captured in the GTN System Specification (GSS). Additional requirements are obtained from the DoD Information Technology Security Certification and Accreditation Process (DITSCAP) and the Secret and Below Interoperability (SABI) System Security Authorization Agreement (SSAA).

Full details of the architecture are presented in the GTN System Design Document (GSDD) (CDRL A027). The requirements have been placed under configuration management and are the basis of the operational security requirements discussed in the GTN Security Concept of Operations (SCONOPS) (CDRL A029) and the GTN Trusted Facility Manual (TFM) (CDRL A028).

4.3 GTN REQUIREMENTS

The general security requirements for all Information Systems are Confidentiality, Integrity, and Availability. These basic information security principles are reflected in the specific GTN Operational Security Requirements and the Security Policy Statements as defined in the GSS, CDRL A023 and the GTN SCONOPS, CDRL A029 respectively.

The system security designs and concepts employed by this interface will leverage the work accomplished in previous releases of GTN. No new security requirements are identified for this interface. Existing information security practices will be used.

The foundation of good information security is a capability to identify and authenticate users and systems prior to granting them access to any function or information on the system. Currently, GTN employs a user ID for identification and a password for authentication. The source system originator is required to login to the GTN system using the standard GTN login. This includes the use of a valid GTN user ID and password as supplied by the GTN System Security Administrator (SSA).

4.3.1 Confidentiality

Information presented to GTN by interfacing systems is considered sensitive, whether unclassified or classified. This information deserves protection from unauthorized disclosure. The preferred method of communication between GTN and remote data feeds is via SSH. One of the features of SSH is that it applies encryption techniques to mitigate the risk of unauthorized persons gaining access to information while it is in transit between the remote system and GTN or visa versa. This type of attack is commonly known as a “man-in-the-middle” attack. By configuring the SSH to encrypt all inbound and outbound traffic, the “man-in-the-middle” will find any captured information to be of little value, since it is not human readable without the capability to decrypt. Strong encryption algorithms and strong encryption keys will render the information unreadable during its useful life.

4.3.2 Integrity

GTN has a requirement for verification of data integrity from all source systems. This requirement directs that information be protected from unauthorized modification or destruction. In order to meet this goal, all source and feeder systems, including this one, implement SSH for login and SCP, which is a subset of SSH, for data transfer to the GTN systems. In order to maintain end system and user accountability, GTN records the date and time of receipt and the source system transmitting data. For those systems that transfer information via SSH/SCP to the GTN system, a user ID and password is required as described above.

4.3.3 Availability

In order to be effective, information on the system must be available to the customer community when it is needed. This is particularly true of systems that support C2 decisions. As documented in the GSDD, GTN has implemented dual redundancy in both hardware and functionality. This feature is designed to avoid any single point of failure. Policies and procedures drive the application and implementation of failover features built into GTN. Several of the failover features trigger automatically, while others require manual intervention. Inherent in the design are features that support availability of information on GTN.

4.4 GFE SECURITY MECHANISMS

The Government provides several of the security mechanisms and devices incorporated into the GTN design. These devices, while an integral part of the overall security design, are Government Furnished Equipment (GFE). These devices include firewalls and guards. A brief description of these items is provided below.

4.4.1 Firewall

GTN firewalls are GFE. These devices are managed and maintained by the Government and provide perimeter security for all inbound and outbound traffic to and from GTN. Rule sets can be crafted to permit traffic from authorized users and systems and block traffic from unauthorized users or systems, as well as block logical ports and subnets that are not supported

by GTN. Perimeter firewalls exist on both the classified and unclassified sides of GTN and provide the first line of defense from unauthorized access attempts by persons external to GTN.

4.4.2 C2 Guard

The Command and Control Guard (C2G) is furnished by the Government to provide secure one-way transfer of traffic from the low side, or SBU side, to the high side, or classified side. This function is necessary to support data replication, a database function, between the SBU database servers and the classified database servers. The C2G mediates the communications at the gateway, permitting replicated data to pass to the high side, while preventing high side information from leaking to the low side. This GFE device is managed and maintained by the Government.

Section 5

INTERFACE MODIFICATION PROCEDURES

Section 5

INTERFACE MODIFICATION PROCEDURES

The GTN–TC-AIMS II interface will remain largely static in design and implementation. Avoiding changes to the interface will minimize cost and schedule impacts overall. Any interface change requirements will be communicated in writing, and will be made and implemented in accordance with a schedule that has been approved by all affected parties. Changes will be communicated in writing to all concerned parties not less than 120 days prior to required implementation. Notification will clearly state the changes that will be made, and will identify potential and actual problems that might affect the interface between the GTN system and TC-AIMS II. The party initiating the change will provide the required notification to all affected parties.

Each party will provide system, technical, and security documentation to the other parties to assist in establishing, maintaining, and securing the interface.

Section 6

NOTES

Section 6

NOTES

6.1 ACRONYMS AND ABBREVIATIONS

The following is an alphabetical listing of all acronyms, abbreviations, and their meanings as they appear in the GTN–TC-AIMS II Interface Requirements/Design Documents.

AALPS	Automated Air Load Planning System
AC	Aircraft
AFB	Air Force Base
AFJMAN	Air Force Joint Manual
AFSC	Air Force Specialty Code
AMC	Air Mobility Command
APOD	Aerial Port of Debarkation
APOE	Aerial port of embarkation
AR	Army Regulation
ASCII	American Standard Code for Information Interchange
ATCMD	Advanced Transportation Control Movement Document
ATLASS	Asset Tracking and Logistics Automated Support System
AUEL	Automated Unit Equipment List
BII	Basic Issue Item
C	Conditional
C2	Command and Control
C2G	Command and Control Guard
CAPS II	Consolidated Aerial Port System II
CCF	Consolidated Computer Facility
CDRL	Contract Data Requirements List

CFR	Code of Federal Regulations
CIC	Content Indicator Code
CMB	Configuration Management Board
CMOS	Cargo Movement Operations System
CO	Courier
COMPASS	Computerized Movement Planning and Status System
CONEX	Container Express
SCONOPS	Security Concept of Operations
CONUS	Continental United States
DDDS	Defense Data Dictionary System
DEL	Deployment Equipment List
DIC	Document Identifier Code
DID	Data Item Description
DISN	Defense Information System Network
DITSCAP	DoD Information Technology Security Certification and Accreditation Process
DNS	Domain Name Service
DOC	Document
DOC_ID	Document Identification
DoD	Department of Defense
DoDAAC	DoD Activity Address Code
DoDAAD	DoD Activity Address Directory
DoDD	DoD Directive
DoDIC	DoD Identification Code
DTS	Defense Transportation System

DTR	Defense Transportation Regulation
EDI	Electronic Data Interchange
eMILPO	Electronic Military Personnel Office
EOF	End of File
ETA	Estimated Time of Arrival
etc.	and so forth
FORSCOM	Forces Command
FSG	Federal Supply Group
FTP	File Transfer Protocol
FTX/CPX	Field Training Exercise/Command Post Exercise
GATES	Global Air Transportation & Execution System
GBL	Government Bill of Lading
GEOLOC	Geographical Location Longitude and Latitude
GFE	Government Furnished Equipment
GFM	Global Fright Management
GMT	Greenwich Mean Time
GSDD	GTN System Design Documentation
GSS	GTN System Specification
GTN	Global Transportation Network
Hazmat	Hazardous Material
Hdr	Header
IBS	Integrating Booking System
ICODES	Integrated Computerized Deployment System
ID	Identification
IDD	Interface Design Description

IMDGC	International Movement of Dangerous Goods and Cargo
IMO	Inter-Governmental Maritime Organization
IP	Internet Protocol
IRCS	International Radio Call Sign
IR/DD	Interface Requirements and Design Document
ISO	International Organization for Standardization
ISR	Installation Situation Report
ITGBL	International Through Government Bill of Lading
ITO	Installation Transportation Officer
ITV	In-Transit Visibility
JFRG	Joint Force Requirements Generator
LAN	Local Area Network
LIN	Line Item Number
LOGMOD	Logistics Module
M	Mandatory
MAGTF II	Marine Ground Air Task Force II
MANPER-B	Manpower and Personnel Module – Base
MAPAC	Military Assistance Program Address Code
MIL	Military
MILSTAMP	Military Standard Transportation and Movement Procedures
MILVAN	Military Van
Misc	Miscellaneous
MNS	Mission Need Statement
MOA	Memorandum of Agreement
MOS	Military Occupational Specialty

MPOE	Mode to Port of Embarkation
MPS	Maritime Prepositioned Ship
MTMC	Military Traffic Management Command
N/A	Not Applicable
NCFMIS	Naval Construction Force Management Information System
NEW	Net Explosive Weight
NIPRNET	Nonclassified Internet Protocol Router Network
NNSN	No National Stock Number
No.	Number
NOSC	Network Operations and Security Center
NSN	National Stock Number
OPLAN	Operation Plan
PAX	Passenger
PMO	Program Management Office
PNR	Passenger Name Record
POD	Port of Debarkation
POE	Port of Embarkation
POV	Privately Owned Vehicle
PPP	Peer, Point-to-Point
PRAMS	Passenger Reservation and Manifesting System
RDD	Required Delivery Date
REEFER	Refrigerated Van
Reg	Regulation
RFC	Request for Comment
ROLMS	Retail Ordnance Logistics Management System

RORO	Roll On/Roll Off
RP	Record Position
SABI	Secret and Below Interoperability
SBU	Sensitive But Unclassified
SC	Supercargo
SCAC	Standard Carrier Account Code
SCP	Secure Copy
SEAVAN	Sea van (a commercial/Government-owned/leased shipping container)
SET	System Entry Time
SIDPERS III	Standard Installation/Division Personnel System III
SMTP	Simple Mail Transfer Protocol
SSA	System Security Administrator
SSAA	System Security Authorization Agreement
SSH	Secure Shell
SSN	Social Security Number
SU	Shipment Unit
SUN	Shipment Unit Number
TC	Troop Commander
TC-AIMS II	Transportation Coordinator's Automated Information Management
TCC	Type Cargo Code
TCMD	Transportation Control Movement Document
TCN	Transportation Control Number
TCP	Transmission Control Protocol
TCP/IP	Transmission Control Protocol/Internet Protocol
TDC	Type Data Code

Trl	Trailer
UD/MIPS	Unit Diary/Marine Corps Integrated Personnel System
UDL	Unit Deployment List
UEL	Unit Equipment List
UEN	Unit Entry Number
UIC	Unit Identification Code
ULN	Unit Line Number
UMD	Unit Movement Data
UN	United Nations
UNIX	UNIX Operating System
US	United States
USTCP	United States Transportation Command Publications
USTRANSCOM	United States Transportation Command
Veh	Vehicle
Vol	Volume
WPS	Worldwide Port System
Y2K	Year 2000

