

Application Control

Defines the applications requirements, transaction file sequencing rules and record data element format and requirements.

TRANSACTION CONTROL RECORDSAPL-2
A description of the records necessary to begin and end manifest data exchanges.

TRANSACTION FILE SEQUENCING RULES.....APL-3
A description of the order of records for a transaction file.

RECORD DESCRIPTIONS

Record Identifier ACRAPL-4
The Transaction Control Header (ACR) Record provides data element descriptions and format requirements for the record beginning a transaction file.

Record Identifier ZCRAPL-6
The Transaction Control Trailer (ZCR) Record provides data element descriptions and format requirements for the record ending a transaction file.

Application Control

This chapter defines the functional application tasks designed to exchange manifest processing data between trade community participants and the U.S. Customs Service Automated Manifest System (AMS).

Transaction Control Records

Each AMS data file input or output must contain a Record Identifier ACR, the Transaction Control Header record and a Record Identifier ZCR, the Transaction Control Trailer Record.

The Transaction Control Header record identifies the participant, denotes the beginning of a file, and specifies the detail data to follow. Different applications require the building of separate transaction files. The Transaction Control Trailer record is paired with the Transaction Control Header record and signals the end of the transaction file. Participants can receive or send more than one transaction file during a communications session.

The application identifier on Record Identifier ACR is a 2-position alphabetic code identifying the type of application data in the transaction control file and the task to be performed.

The first position of the application identifier is a unique alphabetic designation for each task. Valid first position codes are:

Code	Description
C	Manifest Consist
M,K,A	Manifest
G	General Order
H	Paperless In-bond
I	Subsequent In-bond
T	Permit to Transfer
R	Status Notification
S	Status Notification (shell record)
E,N,D	Manifest (actions initiated by Customs)

The second position identifies the data. Valid codes are:

Code	Description
I	Input to AMS
R	Output from AMS in response to an input
C	Communications output if data is initiated by U.S. Customs

As an example, an application identifier of MI indicates a manifest create input record; MR indicates a manifest create response, and RC indicates a status notification.

The control identifier is a 3-position alphabetic or alphanumeric code that defines a logical set of record data elements. AMS requires that all control identifier for a given application identifier be accurate. Otherwise, the transmission file is rejected from AMS processing. This requirement ensures that data integrity is maintained and that manifest transmissions are differentiated from other data transmissions in ACS (e.g., ABI). Files rejected because of invalid Transaction Control Header (ACR) or Trailer (ZCR) records must be corrected and retransmitted in their entirety.

Transaction File Sequencing Rules

Only one Manifest (M01) records is required per ACR/ZCR record data set. This does not preclude multiple ACR/ZCR record data sets per transmission or multiple M01 records per ACR/ZCR data set.

An example of the order of records for a transaction file for one carrier, vessel/voyage and applications follows:

Transaction Control Header	ACR
Manifest	M01
Port	P01
Issuer	J01
Bill	B01 through V03 as appropriate (Data sets for all bills of lading discharged at the port identified in the previous P01 record.)
Transaction Control Trailer	ZCR

Additional examples are contained in Appendix C of this publication.

Record Identifier ACR

Transaction Control Header Record

This record signals the beginning of a transaction file and it is used for both input and output. The date, time, and batch number data elements are mandatory on output from Customs to the AMS participant.

Record Identifier ACR					
Data Element	Length/ Class	Position	Status	Description	Note
Control Identifier	3A	1-3	M	Must always equal ACR.	
AMS User Code	4AN	4-7	M	A code representing the carrier, Customs-assigned port authority, or service bureau.	
Password	6AN	8-13	M	A code representing the password agreed upon between Custom sand the AMS participant.	
Application Identifier	2A	14-15	M	A code representing the type of application detail data contained within the block.	1
Date	6N	16-21	C	A date in YYMMDD (year, month, day) format representing the date of processing.	2
Time	6N	22-27	C	A time HHMMSS (hours, minutes, seconds) format representing the time of processing.	2
Batch Number	5N	28-32	C	A Customs-generated 5-position numeric code from 00001 to 99999. The batch number is used in conjunction with the date of transmission to uniquely identify a user transmission.	2
Filler	48AN	33-80	M	Space fill.	

Note 1

Valid Application Identifier codes are:

Input to Customs

Code	Description
AI	Manifest Amendment
CI	Manifest Consist
EI	Equipment Inventory
GI	General Order Status
HI	Paperless In-bond or Vessel Arrival
II	Subsequent In-bond
KI	Manifest Edit
MI	Manifest Create
TI	Permit to Transfer

Output from Customs

Code	Description
AR	Manifest Amendment Response
CR	Manifest Create Response
ER	Equipment Inventory Response
GR	General Order Status Response
HR	Paperless In-bond or Vessel Arrival Response
IR	Subsequent In-bond Response
KR	Manifest Edit Response
MR	Manifest Create Transmission Response
TR	Permit to Transfer Response

Output Initiated by Customs

Code	Description
DC	Manifest Download Transmission
EC	S32 List of Non-AMS Entries Designated "Paperless" Report
NC	Hazardous Material Download Transmission
RC	Status Notification
SC	Status Notification (Shell Records)

Note 2

This data is not transmitted by the participant in input transaction control records. It is returned to the participant in output transaction control records.

Record Identifier ZCR

Transaction Control Trailer Record

This record signals the end of a transaction file and it is used for both input and output.

Record Identifier ZCR					
Data Element	Length/ Class	Position	Status	Description	Note
Control Identifier	3A	1-3	M	Must always equal ZCR.	
AMS User Code	4N	4-7	M	A code representing the carrier, Customs-assigned port authority, or service bureau.	
Filler	6AN	8-13	M	Space fill.	
Application Identifier	2AN	14-15	C	Output application identifier.	1
Filler	19AN	16-34	M	Space fill.	
Number of Transaction Detail Records	5N	35-39	M	The total number of records transmitted.	
Filler	41AN	40-80	M	Space fill.	

Note 1

This data element is returned to the participant in output transaction trailer records. It represents the following application identifiers for output initiated by Customs:

Code	Description
DC	Manifest Download Transmission
EC	S32 List of Non-AMS Entries Designated "Paperless" Report
NC	Hazardous Material Download Transmission
RC	Status Notification
SC	Status Notification (Shell Records)