NIST Special Publication 881-72

Federal Implementation Guideline for Electronic Data Interchange

ASC X12 003060 Transaction Set 180M Return Merchandise Authorization and Notification (Material Returns Reporting)

Implementation Convention

U.S. DEPARTMENT OF COMMERCE
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- High Performance Systems and Services
- Distributed Computing and Information Services
- Software Diagnostics and Conformance Testing

[1] At Boulder, CO 80303.
[2] Some elements at Boulder, CO.

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Reports on Information Technology

The National Institute of Standards and Technology (NIST)'s Information Technology Laboratory (ITL) develops standards and guidelines, provides technical assistance, and conducts research for computers and resources. As part of the overall federal effort to establish a single face to industry for conducting electronic commerce, ITL has been designated as the organization responsible for coordinating the development of Federal Implementation Conventions (ICs) for Electronic Data Interchange (EDI). ICs are defined by functional-area experts who create and select options from standard EDI Transaction Sets to yield the implementations to be used for practical EDI. These ICs are made available to federal agencies and industry by electronic means and this Special Publication Series.

180 Return Merchandise Authorization and Notification

<div align="right">

Functional Group ID=**AN**

</div>

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Return Merchandise Authorization and Notification Transaction Set (180) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can provide for customary and established business and industry practice relative to the returning of merchandise to the vendor. This transaction set may satisfy request for returns, authorization or disposition of the return, notification of return, or notification of consumer return.

Notes:

1. Organizations use this transaction set to report the availability of material to the wholesale distribution system, to report the automatic shipment of material to storage or repair facilities, to request cancellation of previously submitted reports, and to inquire about the status of previously submitted transactions.

2. Use a single occurrence of this transaction set to transmit single or multiple material returns information transactions to one or more Inventory Control Points (ICPs) or Integrated Material Managers (IMMs).

3. A single transaction set may contain a combination of transactions for standard and nonstandard material.

4. Each transaction within a transaction set may report, for a single transaction number, one or more quantities distinguished by one or more characteristics.

5. Users operating under the Defense Logistics Management System (DLMS) must reference the Unit of Issue and Purchase Unit Conversion Table and Accounting Classification Appendix which can be found on the National Institute of Standards and Technology (NIST) World Wide Web site.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BGN	Beginning Segment	M	1		
Not Used	030	RDR	Return Disposition Reason	O	1		
Not Used	040	PRF	Purchase Order Reference	O	1		
Not Used	050	DTM	Date/Time Reference	O	10		
Not Used	060	N9	Reference Identification	O	10		
Not Used	070	PER	Administrative Communications Contact	O	2		
Not Used	080	SAC	Service, Promotion, Allowance, or Charge Information	O	10		
Not Used	085	G38	Claim Payment Information	O	1		
Not Used	090	PKG	Marking, Packaging, Loading	O	5		
Not Used	100	TD1	Carrier Details (Quantity and Weight)	O	10		
Not Used	110	TD5	Carrier Details (Routing Sequence/Transit Time)	O	10		
Not Used	115	NTE	Note/Special Instruction	O	5		

LOOP ID - N1   200

Must Use	120	N1	Name	O	1		
Not Used	130	N2	Additional Name Information	O	2		
Not Used	140	N3	Address Information	O	2		
Not Used	150	N4	Geographic Location	O	1		
Not Used	160	PER	Administrative Communications Contact	O	5		
			LOOP ID - LM			10	
Not Used	170	LM	Code Source Information	O	1		
Not Used	180	LQ	Industry Code	M	100		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - BL1			>1	
Must Use	010	BL1	Baseline Item Data	O	1		n1
Must Use	011	N9	Reference Identification	O	20		
Not Used	020	PID	Product/Item Description	O	5		
Not Used	030	RDR	Return Disposition Reason	O	1		
Not Used	040	SAC	Service, Promotion, Allowance, or Charge Information	O	10		
Not Used	042	AMT	Monetary Amount	O	>1		
Not Used	044	MEA	Measurements	O	>1		
Not Used	046	CRC	Conditions Indicator	O	>1		
Not Used	048	NTE	Note/Special Instruction	O	>1		
Not Used	050	PRF	Purchase Order Reference	O	1		
	051	AT	Financial Accounting	O	>1		
Not Used	052	DTM	Date/Time Reference	O	15		
Not Used	053	DD	Demand Detail	O	100		
Not Used	054	GF	Furnished Goods and Services	O	1		
Not Used	055	TD5	Carrier Details (Routing Sequence/Transit Time)	O	5		
Not Used	056	SDQ	Destination Quantity	O	100		
			LOOP ID - LM			10	
Must Use	057	LM	Code Source Information	O	1		
Must Use	058	LQ	Industry Code	M	100		
			LOOP ID - N1			200	
Must Use	060	N1	Name	O	1		
Not Used	070	N2	Additional Name Information	O	2		
Not Used	080	N3	Address Information	O	2		
Not Used	090	N4	Geographic Location	O	1		
Not Used	100	PER	Administrative Communications Contact	O	5		
			LOOP ID - QTY			>1	
Must Use	110	QTY	Quantity	O	1		
Not Used	120	AMT	Monetary Amount	O	5		
	130	DTM	Date/Time Reference	O	10		
Not Used	140	N1	Name	O	1		n2
			LOOP ID - LM			10	
Must Use	150	LM	Code Source Information	O	1		
Must Use	160	LQ	Industry Code	M	100		
			LOOP ID - LX			>1	

	170	LX	Assigned Number	O	1	n3
	180	N9	Reference Identification	O	>1	
Not Used	190	DTM	Date/Time Reference	O	10	
	200	N1	Name	O	1	n4
			LOOP ID - LM			10
Not Used	210	LM	Code Source Information	O	1	
Not Used	220	LQ	Industry Code	M	100	
Must Use	230	SE	Transaction Set Trailer	M	1	

Transaction Set Notes

1. Quantity is specified either in the BLI segment (BLI03) or in the QTY segment.
2. The N1 segment is used to identify the location of the material specified in the QTY loop.
3. The LX loop conveys serial number, lot number and inventory data.
4. The N1 segment identifies the name of the manufacturer associated with the serial or lot number specified in the LX loop.

Segment:	**ST** Transaction Set Header
Position:	010
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the start of a transaction set and to assign a control number
Syntax Notes:	
Semantic Notes:	1 The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	ST01	143	**Transaction Set Identifier Code**	**M** **ID 3/3**
			Code uniquely identifying a Transaction Set	
			180 X12.255 Return Merchandise Authorization and Notification	
Must Use	ST02	329	**Transaction Set Control Number**	**M** **AN 4/9**
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			A unique number assigned by the originator of the transaction set, or the originator's application program.	

Segment:	**BGN** Beginning Segment
Position:	020
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the beginning of a transaction set
Syntax Notes:	1 If BGN05 is present, then BGN04 is required.
Semantic Notes:	1 BGN02 is the transaction set reference number.
	2 BGN03 is the transaction set date.
	3 BGN04 is the transaction set time.
	4 BGN05 is the transaction set time qualifier.
	5 BGN06 is the transaction set reference number of a previously sent transaction affected by the current transaction.
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	BGN01	353	**Transaction Set Purpose Code**	M ID 2/2

Code identifying purpose of transaction set

00	Original
77	Simulation Exercise

Use to identify a simulated mobilization exercise transaction set. Activities initiating simulated mobilization exercises must ensure complete coordination with all activities involved. All transaction set recipients must use extreme caution to ensure that individual transactions do not process as action documents which affect accountable records.

	Ref. Des.	Data Element	Name	Attributes
Must Use	BGN02	127	**Reference Identification**	M AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Use Code "Z" for this data element to satisfy mandatory X12 syntax requirements.

	Ref. Des.	Data Element	Name	Attributes
Must Use	BGN03	373	Date	M DT 6/6

Date (YYMMDD)

This date corresponds to the Universal Time Coordinate (UTC).

	Ref. Des.	Data Element	Name	Attributes
Must Use	BGN04	337	Time	X TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

1. Express the originating activity's time of transaction set preparation in UTC.

2. Express time in a four-position (HHMM) format.

	Ref. Des.	Data Element	Name	Attributes
Not Used	BGN05	623	Time Code	O ID 2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

Not Used	BGN06	127	Reference Identification	O	AN 1/30

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Must Use	BGN07	640	Transaction Type Code	O	ID 2/2

Code specifying the type of transaction

FT   Material Returns

Notification by a military organization providing shipping information related to the return of material not needed

Use to indicate the transaction set contains material returns program transactions.

	BGN08	306	Action Code	O	ID 1/2

Code indicating type of action

Use to indicate that the transaction set contains transactions notifying ICPs/IMMs of automatic shipments, requesting ICP/IMM cancellation of previously submitted reports, or inquiring about the status of previously submitted transactions.

C   Cancelled

Use to indicate a request to cancel a previously submitted report of material availability.

RF   Returned to Shipper's Facility (Other Than Original Shipping Location)

Use to indicate a notification of an automatic return shipment.

RS   Report Status

Use to indicate a request to provide receipt status for material previously reported as shipped.

T   Status Query

Use to indicate an inquiry to the ICP/IMM requesting a reply to a previously submitted report of material availability.

Not Used	BGN09	786	Security Level Code	O	ID 2/2

Code indicating the level of confidentiality assigned by the sender to the information following

Segment:		$\textbf{N1}$ Name	
Position:		120	
Loop:		N1 Optional (Must Use)	
Level:		Heading	
Usage:		Optional (Must Use)	
Max Use:		1	
Purpose:		To identify a party by type of organization, name, and code	
Syntax Notes:		1 At least one of N102 or N103 is required.	
		2 If either N103 or N104 is present, then the other is required.	
Semantic Notes:			
Comments:		1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.	
		2 N105 and N106 further define the type of entity in N101.	
Notes:		*Must use this 1/N1/120 loop to identify the organization originating the transaction set.*	

<div align="center">Data Element Summary</div>

	Ref. Des.	Data Element	Name	Attributes
Must Use	N101	98	**Entity Identifier Code**	M ID 2/2
			Code identifying an organizational entity, a physical location, or an individual	
			41 Submitter	
			Entity transmitting transaction set	
Not Used	N102	93	**Name**	X AN 1/35
			Free-form name	
Must Use	N103	66	**Identification Code Qualifier**	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			1 D-U-N-S Number, Dun & Bradstreet	
			9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
			10 Department of Defense Activity Address Code (DODAAC)	
			A2 Military Assistance Program Address Code (MAPAC)	
			Contained in the Military Assistance Program Address Directory (MAPAD); represents the location of an entity	
			Use to indicate the Security Assistance (SA) structured address data which identifies the submitter. Interpretation of this data may require additional codes cited elsewhere in the transaction.	
			M4 Department of Defense Routing Identifier Code (RIC)	
			An integral and predetermined participant in an established logistical system performing general logistic control, distribution, and storage functions	
Must Use	N104	67	**Identification Code**	X AN 2/20
			Code identifying a party or other code	
Not Used	N105	706	**Entity Relationship Code**	O ID 2/2
			Code describing entity relationship	
Must Use	N106	98	**Entity Identifier Code**	O ID 2/2
			Code identifying an organizational entity, a physical location, or an individual	
			FR Message From	
			Must use to indicate that the organization cited in N104 originated the transaction set.	

Segment:	**BLI** Baseline Item Data
Position:	010
Loop:	BLI Optional (Must Use)
Level:	Detail
Usage:	Optional (Must Use)
Max Use:	1
Purpose:	To specify basic item data: item identification, quantity, and price
Syntax Notes:	1 If either BLI05 or BLI06 is present, then the other is required.
	2 If BLI07 is present, then BLI06 is required.
	3 If either BLI08 or BLI09 is present, then the other is required.
	4 If either BLI10 or BLI11 is present, then the other is required.
	5 If either BLI12 or BLI13 is present, then the other is required.
Semantic Notes:	1 BLI04, the unit of measure code applies to both quantity, (BLI03) and unit price (BLI06), unless BLI07 is present, in which case BLI04 applies only to BLI03, and BLI07 applies only to BLI06.
Comments:	1 Element 235/234 combinations should be interpreted to include products or services. See the Data Element Dictionary for a complete list of IDs.
	2 BLI01, BLI02, and BLI08 through BLI13 provide for four different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model, SKU.
Notes:	*Must use to identify the material associated with the transaction.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	BLI01	235	**Product/Service ID Qualifier**	M ID 2/2

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Use only one of codes A1, A2, A4, FB, FS, FT, MG, or YP to identify the material. Must use the National Stock Number (NSN) when known, except when appropriate brand name subsistence items are identified by the Subsistence Identification Number.

A1	Plant Equipment Number
	Item identifier is a plant equipment number
	Use to identify plant equipment.
A2	Department of Defense Identification Code (DoDIC)
	Qualifies a code that uniquely identifies a type of explosive or ammunition
	Use to identify ammunition items.
A4	Subsistence Identification Number
	Item identifier is a brand-name resale subsistence item
	Use to identify subsistence items.
FB	Form Number
	Use to identify the form stock number.
FS	National Stock Number
MG	Manufacturer's Part Number
	Use to identify nonstandard material.
YP	Publication Number

Use to identify the publication stock number.

Must Use	BLI02	234	**Product/Service ID**	M	AN 1/40
			Identifying number for a product or service		
Not Used	BLI03	380	**Quantity**	O	R 1/15
			Numeric value of quantity		
Not Used	BLI04	355	**Unit or Basis for Measurement Code**	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
	BLI05	236	**Price Identifier Code**	X	ID 3/3
			Code identifying pricing specification		

Use to provide the unit price for non-standard material only.

> ACT   Actual
>
>   The final negotiated contract price
>
> EST   Estimated Price

	BLI06	212	**Unit Price**	X	R 1/17
			Price per unit of product, service, commodity, etc.		
Not Used	BLI07	355	**Unit or Basis for Measurement Code**	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
	BLI08	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		

> ZB   Commercial and Government Entity (CAGE) Code
>
>   A code that identifies a commercial contractor authorized to do business with the U.S. government
>
> *Use with BLI01 code MG to uniquely identify a manufacturer's part number.*

	BLI09	234	**Product/Service ID**	X	AN 1/40
			Identifying number for a product or service		
Not Used	BLI10	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	BLI11	234	**Product/Service ID**	X	AN 1/40
			Identifying number for a product or service		
Not Used	BLI12	235	**Product/Service ID Qualifier**	X	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	BLI13	234	**Product/Service ID**	X	AN 1/40
			Identifying number for a product or service		
Not Used	BLI14	1161	**Product Option Code**	O	ID 1/2
			Code indicating an option chosen for the product		
Not Used	BLI15	1161	**Product Option Code**	O	ID 1/2
			Code indicating an option chosen for the product		
Not Used	BLI16	1161	**Product Option Code**	O	ID 1/2
			Code indicating an option chosen for the product		
Not Used	BLI17	1161	**Product Option Code**	O	ID 1/2
			Code indicating an option chosen for the product		
Not Used	BLI18	594	**Frequency Code**	O	ID 1/1
			Code indicating frequency or type of payment		

Segment:	**N9** Reference Identification	
Position:	011	
Loop:	BLI	Optional (Must Use)
Level:	Detail	
Usage:	Optional (Must Use)	
Max Use:	20	
Purpose:	To transmit identifying information as specified by the Reference Identification Qualifier	
Syntax Notes:	1	At least one of N902 or N903 is required.
	2	If N906 is present, then N905 is required.
	3	If either C04003 or C04004 is present, then the other is required.
	4	If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1	N906 reflects the time zone which the time reflects.
	2	N907 contains data relating to the value cited in N902.
Comments:		
Notes:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
			TN Transaction Reference Number *Must use to identify the transaction number for each transaction.*	
Must Use	N902	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	N903	369	**Free-form Description** Free-form descriptive text	X AN 1/45
Not Used	N904	373	Date Date (YYMMDD)	O DT 6/6
Not Used	N905	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X TM 4/8
Not Used	N906	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O ID 2/2
	N907	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
Must Use	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification	M ID 2/3
			W8 Suffix Differentiates between partial actions taken on the original transaction *Use with N901 code TN in cancellation requests (BGN08 code C) and inquiries (BGN08 code RS), to identify the transaction number suffix.*	
Must Use	C04002	127	Reference Identification	M AN 1/30

			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	C04003	128	**Reference Identification Qualifier** Code qualifying the Reference Identification	X	ID 2/3
Not Used	C04004	127	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/30
Not Used	C04005	128	**Reference Identification Qualifier** Code qualifying the Reference Identification	X	ID 2/3
Not Used	C04006	127	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/30

Segment:	**AT** Financial Accounting	
Position:	051	
Loop:	BLI Optional (Must Use)	
Level:	Detail	
Usage:	Optional	
Max Use:	>1	
Purpose:	To transmit financial accounting data	
Syntax Notes:	1 If AT10 is present, then AT01 is required.	
Semantic Notes:		
Comments:	1 AT09 identifies unique local activity financial accounting information.	
Notes:	*1. Use multiple repetitions to identify the fund purpose code, appropriation, and/or fund codes for goods, services, and related adjustments.*	
	2. DLMS users see the Accounting Classification Appendix for AT02, AT07 and AT09.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	AT01	1271	Industry Code	X AN 1/30
			Code indicating a code from a specific industry code list	
			Use any code except "CR" or "DR".	
	AT02	1282	Treasury Symbol Number	O AN 7/21
			Number identifying a department, fiscal year, treasury account number, and appropriation limit for a standard accounting classification coding structure	
			Use to identify the basic appropriation number.	
	AT03	1283	Budget Activity Number	O AN 1/16
			Number identifying an administrative subdivision of funds against which a transaction is to be charged for a standard accounting classification coding structure	
			Use to identify the fund code.	
Not Used	AT04	1284	Object Class Number	O AN 3/12
			Number identifying the nature of the goods or services acquired and a specific office or organization using resources for a standard accounting classification coding structure	
Not Used	AT05	1285	Reimbursable Source Number	O AN 1/3
			Number identifying the source of an appropriation or fund reimbursement for a standard accounting classification coding structure	
Not Used	AT06	1286	Transaction Reference Number	O AN 4/20
			Number identifying an original request for goods and services to the matching financial transaction for a standard accounting classification coding structure	
	AT07	1287	Accountable Station Number	O AN 3/8
			Number identifying an office responsible for entering a financial transaction into the applicable accounting system for a standard accounting classification coding structure	
			Use AT07 to identify the Authorized Accounting Activity (AAA)/Accounting Disbursing Station Number (ADSN)/Fiscal Station Number (FSN).	
Not Used	AT08	1288	Paying Station Number	O AN 8/14
			Number identifying an office responsible for making a payment or collection and the corresponding voucher number under which the action was taken for a standard accounting classification coding structure	
	AT09	352	Description	O AN 1/80
			A free-form description to clarify the related data elements and their content	
			Cite the supplemental accounting classification data.	
Must Use	AT10	1270	Code List Qualifier Code	O ID 1/3

Code identifying a specific industry code list
FP   Fund Purpose

Segment: **LM** Code Source Information
Position: 057
Loop: LM   Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To transmit standard code list identification information
Syntax Notes:
Semantic Notes:
Comments: 1   LM02 identifies the applicable industry code list source information.
Notes: *Must use this 2/LM/057 loop to identify coded information maintained in department or agency documentation.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	LM01	559	Agency Qualifier Code	M ID 2/2
			Code identifying the agency assigning the code values	
			DF Department of Defense (DoD)	
	LM02	822	Source Subqualifier	O AN 1/15
			A reference that indicates the table or text maintained by the Source Qualifier	

Segment:	**LQ** Industry Code
Position:	058
Loop:	LM Optional (Must Use)
Level:	Detail
Usage:	Mandatory
Max Use:	100
Purpose:	Code to transmit standard industry codes
Syntax Notes:	1 If LQ01 is present, then LQ02 is required.
Semantic Notes:	
Comments:	
Notes:	*Use to identify codes, as appropriate, consistent with management information requirements.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	LQ01	1270	**Code List Qualifier Code**	O ID 1/3

Code identifying a specific industry code list

0	Document Identification Code	
	Codes that subclassify a transaction	
78	Project Code	

Codes that relate a transaction to special programs, exercises, projects, operations, or other purposes

Use as needed to identify special programs, exercises, projects, operations, and other purposes.

79	Priority Designator Code

The priority of a transaction

Use for notification for automatic returns.

80	Advice Code

Instructions to transaction recipients when narratives cannot be transmitted

87	Subsistence Type of Pack Code

A certain level of protection from the packing or outside shipping container for perishable and nonperishable subsistence items

Use with subsistence items only.

A9	Supplementary Address

Identifies the originating organization's unique logistics information

DE	Signal Code
DF	Media and Status Code

	Ref. Des.	Data Element	Name	Attributes
	LQ02	1271	**Industry Code**	X AN 1/30

Code indicating a code from a specific industry code list

Segment: **N1** Name
Position: 060
Loop: N1   Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1   At least one of N102 or N103 is required.
           2   If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1   This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
           2   N105 and N106 further define the type of entity in N101.
Notes: *1. Must use one iteration of this 2/N1/060 loop to identify the organization to receive the transaction.*

2. Use additional iterations to identify other organizations associated with the transaction.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N101	98	Entity Identifier Code	M ID 2/2

Code identifying an organizational entity, a physical location, or an individual

CN   Consignee

Use in automatic shipment notifications to identify the consignee for the returned material.

SF   Ship From

Use in material availability reports and automatic shipment notifications to identify the organization from which the material is shipped if different from the organization originating the transaction set.

Z1   Party to Receive Status

An organization that will receive information about a transaction
Use to identify the party to receive status when different from Service/Agency prescribed status recipient. Use multiple iterations to identify all status recipients, as required.

Z4   Owning Inventory Control Point

An inventory control organization responsible for management of a particular item

ZB   Party to Receive Credit

The organization to which credit will be granted

Use as needed for material availability reports and automatic shipment notifications to identify the organization to receive credit if different from the organization originating the transaction set.

Not Used	N102	93	Name	X AN 1/35

Free-form name

| Must Use | N103 | 66 | **Identification Code Qualifier** | | X | ID 1/2 |

Code designating the system/method of code structure used for Identification Code (67)

	1	D-U-N-S Number, Dun & Bradstreet
	9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix
	10	Department of Defense Activity Address Code (DODAAC)
	A2	Military Assistance Program Address Code (MAPAC)

Contained in the Military Assistance Program Address Directory (MAPAD); represents the location of an entity

Use to indicate the SA structured address data which identifies the ship-from address. Interpretation of this data may require additional codes cited elsewhere in the transaction.

| | M4 | Department of Defense Routing Identifier Code (RIC) |

An integral and predetermined participant in an established logistical system performing general logistic control, distribution, and storage functions

| Must Use | N104 | 67 | **Identification Code** | | X | AN 2/20 |

Code identifying a party or other code

| Not Used | N105 | 706 | **Entity Relationship Code** | | O | ID 2/2 |

Code describing entity relationship

| | N106 | 98 | **Entity Identifier Code** | | O | ID 2/2 |

Code identifying an organizational entity, a physical location, or an individual

| | TO | Message To |

Must use with the appropriate 2/N101/060 code to indicate the organization cited in N104 is receiving the transaction.

Segment:	**QTY** Quantity	
Position:	110	
Loop:	QTY Optional (Must Use)	
Level:	Detail	
Usage:	Optional (Must Use)	
Max Use:	1	
Purpose:	To specify quantity information	
Syntax Notes:		
Semantic Notes:		
Comments:		
Notes:	*Use multiple iterations of the 2/QTY/110 loop to stratify quantities associated with the transaction by supply condition code.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	QTY01	673	**Quantity Qualifier**	M ID 2/2

Code specifying the type of quantity

01	Discrete Quantity	

Use in requests for cancellation to identify the quantity from the original report of material availability which is no longer available.

28	Quantity Available for Return	

Use in reports of material availability.

38	Original Quantity	

Use in inquiries requesting a reply to a previously submitted report to identify the quantity of the original report.

39	Shipped Quantity	

Use in notifications of automatic shipment.

AA	Unacknowledged Quantity	

Message received without network, or attendant recognition

Use in receipt acknowledgment inquiries to identify the quantity shipped.

	Ref. Des.	Data Element	Name	Attributes
Must Use	QTY02	380	**Quantity**	M R 1/15

Numeric value of quantity

Express the quantity as a whole number with no decimal.

	Ref. Des.	Data Element	Name	Attributes
	QTY03	C001	**Composite Unit of Measure**	O

To identify a composite unit of measure (See Figures Appendix for examples of use)

	Ref. Des.	Data Element	Name	Attributes
Must Use	C00101	355	**Unit or Basis for Measurement Code**	M ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Use to identify the unit of issue. DLMS users see the Unit of Issue and Purchase Unit Conversion Table for available codes.

	Ref. Des.	Data Element	Name	Attributes
Not Used	C00102	1018	**Exponent**	O R 1/15

Power to which a unit is raised

Not Used	C00103	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00104	355	**Unit or Basis for Measurement Code**	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00105	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
Not Used	C00106	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00107	355	**Unit or Basis for Measurement Code**	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00108	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
Not Used	C00109	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00110	355	**Unit or Basis for Measurement Code**	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00111	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
Not Used	C00112	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		
Not Used	C00113	355	**Unit or Basis for Measurement Code**	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		
Not Used	C00114	1018	**Exponent**	O	R 1/15
			Power to which a unit is raised		
Not Used	C00115	649	**Multiplier**	O	R 1/10
			Value to be used as a multiplier to obtain a new value		

	Segment:	**DTM** Date/Time Reference
	Position:	130
	Loop:	QTY Optional (Must Use)
	Level:	Detail
	Usage:	Optional
	Max Use:	10
	Purpose:	To specify pertinent dates and times
	Syntax Notes:	1 At least one of DTM02 DTM03 or DTM06 is required.
		2 If either DTM06 or DTM07 is present, then the other is required.
	Semantic Notes:	
	Comments:	
	Notes:	*Use multiple repetitions to identify dates associated with the material.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	DTM01	374	**Date/Time Qualifier** Code specifying type of date or time, or both date and time	**M ID 3/3**

			036 Expiration
			                   Date coverage expires
			                   Use for subsistence items only.	

			510 Date Packed *Use for subsistence items only.*	
Must Use	DTM02	373	**Date** Date (YYMMDD)	**X DT 6/6**
Not Used	DTM03	337	**Time** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	**X TM 4/8**
Not Used	DTM04	623	**Time Code** Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	**O ID 2/2**
	DTM05	624	**Century** The first two characters in the designation of the year (CCYY)	**O N0 2/2**
Not Used	DTM06	1250	**Date Time Period Format Qualifier** Code indicating the date format, time format, or date and time format	**X ID 2/3**
Not Used	DTM07	1251	**Date Time Period** Expression of a date, a time, or range of dates, times or dates and times	**X AN 1/35**

Segment:	**LM** Code Source Information	
Position:	150	
Loop:	LM	Optional (Must Use)
Level:	Detail	
Usage:	Optional (Must Use)	
Max Use:	1	
Purpose:	To transmit standard code list identification information	
Syntax Notes:		
Semantic Notes:		
Comments:	1 LM02 identifies the applicable industry code list source information.	
Notes:	*Use the 2/LM/150 loop to identify the supply condition of the material.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	LM01	559	**Agency Qualifier Code**	**M ID 2/2**
			Code identifying the agency assigning the code values	
			DF Department of Defense (DoD)	
Not Used	LM02	822	**Source Subqualifier**	**O AN 1/15**
			A reference that indicates the table or text maintained by the Source Qualifier	

Segment:	**LQ** Industry Code	
Position:	160	
Loop:	LM	Optional (Must Use)
Level:	Detail	
Usage:	Mandatory	
Max Use:	100	
Purpose:	Code to transmit standard industry codes	
Syntax Notes:	1	If LQ01 is present, then LQ02 is required.
Semantic Notes:		
Comments:		
Notes:	*Use to identify codes, as appropriate, consistent with management information requirements.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	LQ01	1270	**Code List Qualifier Code**	O ID 1/3
			Code identifying a specific industry code list	
			83 Supply Condition Code	
			Classifies material by readiness for issue and use, describes actions underway to change the status of material, or identifies material as excess or not serviceable	
Must Use	LQ02	1271	**Industry Code**	X AN 1/30
			Code indicating a code from a specific industry code list	

Segment:	**LX** Assigned Number	
Position:	170	
Loop:	LX Optional	
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To reference a line number in a transaction set	
Syntax Notes:		
Semantic Notes:		
Comments:		
Notes:	*1. Use as a counter for reports of material availability and notifications of automatic shipment to identify the number of 2/LX/170 loop iterations.*	
	2. Use the 2/LX/170 loop to provide unique item tracking (UIT) information for controlled material.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	LX01	554	Assigned Number	M N0 1/6
			Number assigned for differentiation within a transaction set	

In the first 2/LX/170 loop iteration, cite numeric 1. In each subsequent loop iteration, increase incrementally by 1.

Segment:	**N9** Reference Identification		
Position:	180		
Loop:	LX Optional		
Level:	Detail		
Usage:	Optional		
Max Use:	>1		
Purpose:	To transmit identifying information as specified by the Reference Identification Qualifier		
Syntax Notes:	1 At least one of N902 or N903 is required.		
	2 If N906 is present, then N905 is required.		
	3 If either C04003 or C04004 is present, then the other is required.		
	4 If either C04005 or C04006 is present, then the other is required.		
Semantic Notes:	1 N906 reflects the time zone which the time reflects.		
	2 N907 contains data relating to the value cited in N902.		
Comments:			
Notes:	*Use multiple repetitions to identify a unique item identifier (UII), batch, or lot number.*		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N901	128	**Reference Identification Qualifier** Code qualifying the Reference Identification	M ID 2/3
			BT Batch Number	
			Use to identify the manufacturer's batch number or other number identifying the production run.	
			LT Lot Number	
			Use to identify the manufacturer's lot number.	
			SE Serial Number	
			Use to identify a UII.	
Must Use	N902	127	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
Not Used	N903	369	**Free-form Description** Free-form descriptive text	X AN 1/45
Not Used	N904	373	**Date** Date (YYMMDD)	O DT 6/6
Not Used	N905	337	**Time** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X TM 4/8
Not Used	N906	623	**Time Code** Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O ID 2/2
Not Used	N907	C040	**Reference Identifier** To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
Not Used	C04001	128	**Reference Identification Qualifier** Code qualifying the Reference Identification	M ID 2/3
Not Used	C04002	127	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30

Not Used	C04003	128	**Reference Identification Qualifier** Code qualifying the Reference Identification	X	ID 2/3
Not Used	C04004	127	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/30
Not Used	C04005	128	**Reference Identification Qualifier** Code qualifying the Reference Identification	X	ID 2/3
Not Used	C04006	127	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/30

Segment: **N1** Name
Position: 200
Loop: LX   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1   At least one of N102 or N103 is required.
2   If either N103 or N104 is present, then the other is required.

Semantic Notes:
Comments: 1   This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2   N105 and N106 further define the type of entity in N101.
Notes: *Use to identify the manufacturer of the UIT item.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N101	98	**Entity Identifier Code**	M ID 2/2
			Code identifying an organizational entity, a physical location, or an individual	
			MF Manufacturer of Goods	
Not Used	N102	93	**Name**	X AN 1/35
			Free-form name	
Must Use	N103	66	**Identification Code Qualifier**	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			33 Commercial and Government Entity (CAGE)	
Must Use	N104	67	**Identification Code**	X AN 2/20
			Code identifying a party or other code	
Not Used	N105	706	**Entity Relationship Code**	O ID 2/2
			Code describing entity relationship	
Not Used	N106	98	**Entity Identifier Code**	O ID 2/2
			Code identifying an organizational entity, a physical location, or an individual	

Segment:	**SE** **Transaction Set Trailer**	
Position:	230	
Loop:		
Level:	Detail	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)	
Syntax Notes:		
Semantic Notes:		
Comments:	1 SE is the last segment of each transaction set.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	SE01	96	**Number of Included Segments**	**M N0 1/10**
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	329	**Transaction Set Control Number**	**M AN 4/9**
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set *Cite the same number as the one cited in ST02.*	

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