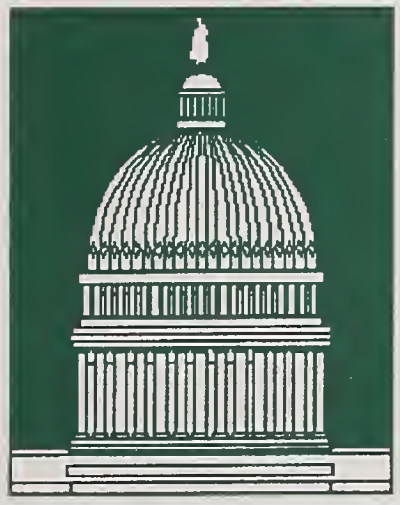
NIST Special Publication 881-67



Federal Implementation Guideline for Electronic Data Interchange

ASC X12 003060 Transaction Set 861W Receiving Advice/Acceptance Certificate (Hazardous Waste Material Receipt)

Implementation Convention

U.S. DEPARTMENT OF COMMERCE
Technology Administration
National Institute of
Standards and Technology

The National Institute of Standards and Technology was established in 1988 by Congress to "assist industry in the development of technology . . . needed to improve product quality, to modernize manufacturing processes, to ensure product reliability . . . and to facilitate rapid commercialization . . . of products based on new scientific discoveries."

NIST, originally founded as the National Bureau of Standards in 1901, works to strengthen U.S. industry's competitiveness; advance science and engineering; and improve public health, safety, and the environment. One of the agency's basic functions is to develop, maintain, and retain custody of the national standards of measurement, and provide the means and methods for comparing standards used in science, engineering, manufacturing, commerce, industry, and education with the standards adopted or recognized by the Federal Government.

As an agency of the U.S. Commerce Department's Technology Administration, NIST conducts basic and applied research in the physical sciences and engineering, and develops measurement techniques, test methods, standards, and related services. The Institute does generic and precompetitive work on new and advanced technologies. NIST's research facilities are located at Gaithersburg, MD 20899, and at Boulder, CO 80303. Major technical operating units and their principal activities are listed below. For more information contact the Publications and Program Inquiries Desk, 301-975-3058.

Office of the Director
- National Quality Program
- International and Academic Affairs

Technology Services
- Standards Services
- Technology Partnerships
- Measurement Services
- Technology Innovation
- Information Services

Advanced Technology Program
- Economic Assessment
- Information Technology and Applications
- Chemical and Biomedical Technology
- Materials and Manufacturing Technology
- Electronics and Photonics Technology

Manufacturing Extension Partnership Program
- Regional Programs
- National Programs
- Program Development

Electronics and Electrical Engineering Laboratory
- Microelectronics
- Law Enforcement Standards
- Electricity
- Semiconductor Electronics
- Electromagnetic Fields[1]
- Electromagnetic Technology[1]
- Optoelectronics[1]

Chemical Science and Technology Laboratory
- Biotechnology
- Physical and Chemical Properties[2]
- Analytical Chemistry
- Process Measurements
- Surface and Microanalysis Science

Physics Laboratory
- Electron and Optical Physics
- Atomic Physics
- Optical Technology
- Ionizing Radiation
- Time and Frequency[1]
- Quantum Physics[1]

Materials Science and Engineering Laboratory
- Intelligent Processing of Materials
- Ceramics
- Materials Reliability[1]
- Polymers
- Metallurgy
- NIST Center for Neutron Research

Manufacturing Engineering Laboratory
- Precision Engineering
- Automated Production Technology
- Intelligent Systems
- Fabrication Technology
- Manufacturing Systems Integration

Building and Fire Research Laboratory
- Structures
- Building Materials
- Building Environment
- Fire Safety Engineering
- Fire Science

Information Technology Laboratory
- Mathematical and Computational Sciences[2]
- Advanced Network Technologies
- Computer Security
- Information Access and User Interfaces
- 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.

NIST Special Publication 881-67

Federal Implementation Guideline for Electronic Data Interchange

ASC X12 003060 Transaction Set 861W Receiving Advice/Acceptance Certificate (Hazardous Waste Material Receipt)

Implementation Convention

Electronic Commerce Acquisition Program Management Office
Standard Management Committee - Secretariat
National Institute of Standards and Technology
Gaithersburg, MD 20899-0001

Editor: Dr. Jean-Philippe Favreau

April 1998

U.S. DEPARTMENT OF COMMERCE
William M. Daley, Secretary

Technology Administration
Gary R. Bachula, Acting Under Secretary for Technology

National Institute of Standards and Technology
Raymond G. Kammer, Director

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.

National Institute of Standards and Technology Special Publication 881-67
Natl. Inst. Stand. Technol. Spec. Publ. 881-67, 41 pages (April 1998)
CODEN: NSPUE2

U.S. GOVERNMENT PRINTING OFFICE
WASHINGTON: 1998

For sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402

861 Receiving Advice/Acceptance Certificate

Functional Group ID=RC

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Receiving Advice/Acceptance Certificate Transaction Set (861) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the notification of receipt or formal acceptance of goods and services.

Notes:

1. Treatment, storage, and disposal facilities (TSDFs) use this transaction set to report the receipt of hazardous waste material.

2. Use a single occurrence of this transaction set to report receipt of one or more items on a single manifest shipment.

3. Users may need to refer to the Shipment Container Conversion Table to cross reference X12 container codes to Uniform Hazardous Waste Manifest container types. This table can be found on the National Institute of 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	BRA	Beginning Segment for Receiving Advice or Acceptance Certificate	M	1		n1
Not Used	040	CUR	Currency	O	1		
	050	REF	Reference Identification	O	>1		
Not Used	060	PER	Administrative Communications Contact	O	3		
Must Use	070	DTM	Date/Time Reference	M	10		
Not Used	080	PRF	Purchase Order Reference	O	25		
Not Used	090	TD1	Carrier Details (Quantity and Weight)	O	2		
Not Used	100	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	110	TD3	Carrier Details (Equipment)	O	12		
Not Used	120	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
Not Used	125	MEA	Measurements	O	40		
			LOOP ID - N1			200	
Must Use	130	N1	Name	O	1		
	140	N2	Additional Name Information	O	2		
	150	N3	Address Information	O	2		
	160	N4	Geographic Location	O	1		
Not Used	170	REF	Reference Identification	O	100		
	180	PER	Administrative Communications Contact	O	3		
Not Used	190	FOB	F.O.B. Related Instructions	O	1		

			LOOP ID - LM			10
Not Used	200	LM	Code Source Information	O	I	
Not Used	210	LQ	Industry Code	M	100	

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - RCD			200000	
Must Use	010	RCD	Receiving Conditions	O	1		
Not Used	020	SNI	Item Detail (Shipment)	O	I		
Not Used	030	CUR	Currency	O	1		
Must Use	040	LIN	Item Identification	O	100		
	050	PID	Product/Item Description	O	1000		
Not Used	060	PO4	Item Physical Details	O	100		
	070	REF	Reference Identification	O	12		
Not Used	080	PER	Administrative Communications Contact	O	3		
Not Used	090	DTM	Date/Time Reference	O	10		
Not Used	100	PRF	Purchase Order Reference	O	25		
Not Used	110	MEA	Measurements	O	40		
Not Used	120	FOB	F.O.B. Related Instructions	O	1		
	130	TD1	Carrier Details (Quantity and Weight)	O	20		
Not Used	140	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	150	TD3	Carrier Details (Equipment)	O	12		
Not Used	160	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
Not Used	170	SAC	Service, Promotion, Allowance, or Charge Information	O	10		
Not Used	180	MAN	Marks and Numbers	O	>1		
			LOOP ID - LM			10	
Not Used	185	LM	Code Source Information	O	1		
Not Used	186	LQ	Industry Code	M	100		
			LOOP ID - SLN			100	
Not Used	190	SLN	Subline Item Detail	O	1		
Not Used	200	PID	Product/Item Description	O	1000		
			LOOP ID - LM			10	
Not Used	205	LM	Code Source Information	O	1		
Not Used	206	LQ	Industry Code	M	100		
			LOOP ID - N1			200	
	210	N1	Name	O	1		
	220	N2	Additional Name Information	O	2		
	230	N3	Address Information	O	2		
	240	N4	Geographic Location	O	1		
Not Used	250	REF	Reference Identification	O	100		
Not Used	260	PER	Administrative Communications Contact	O	3		
Not Used	270	FOB	F.O.B. Related Instructions	O	1		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Not Used	010	CTT	Transaction Totals	O	1		n2
Must Use	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. This transaction set is a Receiving Advice unless BRA04 contains a value of "8". When BRA04 contains a value of "8", the transaction set is an Acceptance Certificate and the units received is the units accepted.
2. The number of line items (CTT01) is the accumulation of the number of RCD segments. If used, hash total (CTT02) is the sum of the value of quantities received (RCD02) for each RCD segment.

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** Code uniquely identifying a Transaction Set 861 X12.12 Receiving Advice	**M ID 3/3**
Must Use	**ST02**	**329**	**Transaction Set Control Number** 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 to this transaction set for control purposes. Usually assigned by the translation software. This is the same number that appears in SE02.***	**M AN 4/9**

Segment: **BRA** **Beginning Segment for Receiving Advice or Acceptance Certificate**
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a Receiving Advice or Acceptance Certificate Transaction Set and transmit an identifying number, date, and time
Syntax Notes:
Semantic Notes: 1 BRA02 is the date that the receiving advice transaction set is created.
2 BRA05 is the time that the receiving advice transaction set is created.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**BRA01**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ***Must use to identify the EPA manifest document number for the shipment being received.***	**M AN 1/30**
Must Use	**BRA02**	**373**	**Date** Date (YYMMDD) ***1. Use to indicate the transaction set creation date.*** ***2. This date corresponds to the Universal Time Coordinate (UTC).***	**M DT 6/6**
Must Use	**BRA03**	**353**	**Transaction Set Purpose Code** Code identifying purpose of transaction set 00 Original ***Use to indicate an original receiving document.*** 01 Cancellation 05 Replace ***Use to indicate that a change has been made to a previous transaction set. When used, all data, whether changed or not, must be retransmitted. When used, the retransmitted data will overwrite the information in the receiving database.*** 07 Duplicate ***Use to indicate the re-transmission of an original 861 transaction set.***	**M ID 2/2**
Must Use	**BRA04**	**962**	**Receiving Advice or Acceptance Certificate Type Code** Code specifying type of receiving advice 1 Receiving Dock Advice ***Use to indicate receipt at an interim TSDF.*** 3 Disposition Advice ***Use to indicate receipt at the final TSDF where disposal will occur.***	**M ID 1/1**
Must Use	**BRA05**	**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-	**O TM 4/8**

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 organization's time in UTC.

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

Not Used	**BRA06**	**412**	**Receiving Condition Code** Code designating physical condition or status of units received in a specific shipment	**O**	**ID 2/2**
Not Used	**BRA07**	**306**	**Action Code** Code indicating type of action	**O**	**ID 1/2**

Segment: **REF** **Reference Identification**
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:
1 At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:
1 REF04 contains data relating to the value cited in REF02.
Comments:
Notes: ***Use this 1/REF/050 segment to identify the state manifest number associated with the EPA manifest number identified in BRA01.***

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification MK Manifest Key Number ***Use to indicate the state manifest number.***	**M ID 2/3**
Must Use	**REF02**	**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	**REF03**	**352**	**Description** A free-form description to clarify the related data elements and their content	**X AN 1/80**
Not Used	**REF04**	**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: **DTM** **Date/Time Reference**
Position: 070
Loop:
Level: Heading
Usage: Mandatory
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: ***Must use this 1/DTM/070 segment to indicate the dates the waste was shipped and received.***

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 011 Shipped ***Must use to indicate the date the waste left the generator, interim TSDF site, or other shipping facility.*** 050 Received ***Must use to indicate the date the waste was received at the TSDF.***	**M ID 3/3**
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: **N1** **Name**
Position: 130
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 at least 3 occurrences of this 1/N1/130 loop to identify the receiving TSDF, the destination carrier and the organization from which the waste was shipped. The loop may also be used to identify other organization(s) associated with the shipment.***

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, or an individual	**M ID 2/2**
			2F State ***Use as needed to indicate a state environmental agency.***	
			C4 Contract Administration Office Established at either a contractor facility or in a geographic area, and responsible for administering on behalf of the buying activities that assigned contracts for administration and all contracts awarded to either the specific contractor or all contractors in the geographic area ***For U.S. Government Shipments, must use to indicate the Government office administering the disposal effort.***	
			CA Carrier ***Use only if more than two carriers were used. Use to identify the intermediate carriers, not the origin or destination carriers. Use multiple repetitions as needed to identify carriers 3, 4, etc.***	
			DC Destination Carrier ***Must use to indicate the transportation organization that delivered the material to the receiving TSDF***	
			GY Treatment Facility ***Must use to indicate the TSDF receiving the waste.***	
			OC Origin Carrier ***Use to indicate the carrier which received the waste from the shipment location. Use this code only if the carrier is different than the destination carrier.***	
			PK Party to Receive Copy ***Use multiple iterations as needed to identify additional organization(s) to receive copies of the transaction set.***	

			SF	Ship From ***Must use to indicate the organization (typically the generator or another TSDF) from which the waste was shipped.***		
			SJ	Service Provider Identifies name and address information as pertaining to a service provider for which billing is being rendered ***Use to indicate the organization coordinating the disposal services.***		
	N102	**93**	**Name** Free-form name ***Use to identify the organization only when coded means are unavailable or insufficient.***		**X**	**AN 1/35**
	N103	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67) ***1. Use codes 1,9, or 10 in conjunction with N101 codes C4 and PK to identify government facilities*** ***2. Use codes 1, 9, or 33 in conjunction with N101 code SJ and PK to identify commercial entities.***		**X**	**ID 1/2**
			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)		
			33	Commercial and Government Entity (CAGE) ***Use with N101 code SJ.***		
			FA	Facility Identification ***Must use in conjunction with N101 codes GY, SF, OC, DC, and CA to indicate the EPA identification number of the organization.***		
	N104	**67**	**Identification Code** Code identifying a party or other code		**X**	**AN 2/20**
Not Used	**N105**	**706**	**Entity Relationship Code** Code describing entity relationship		**O**	**ID 2/2**
	N106	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, or an individual		**O**	**ID 2/2**
			FR	Message From ***Use to indicate that the organization cited in N104 transmitted the transaction set.***		
			TO	Message To ***Use to indicate that the organization cited in N104 is to receive the transaction set.***		

Segment: **N2** **Additional Name Information**
Position: 140
Loop: N1 Optional (Must Use)
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:
Notes: ***This segment is not necessary when the organization cited in N101 is described by a code in N103/N104. If needed, use to provide additional name information of the organization identified in N102.***

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**N201**	**93**	**Name** Free-form name	**M AN 1/35**
	N202	**93**	**Name** Free-form name	**O AN 1/35**

Segment: **N3** **Address Information**
Position: 150
Loop: N1 Optional (Must Use)
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: ***This segment is not necessary when the organization cited in N101 is described by a code in N103/N104. If needed, use to provide street address information of the organization identified in N102.***

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**N301**	**166**	**Address Information** Address information	**M AN 1/35**
	N302	**166**	**Address Information** Address information	**O AN 1/35**

Segment: **N4** **Geographic Location**
Position: 160
Loop: N1 Optional (Must Use)
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: **1** If N406 is present, then N405 is required.
Semantic Notes:
Comments: **1** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes: ***This segment is not necessary when the organization cited in N101 is described by a code in N103/N104. If needed, use to provide geographical location information of the organization identified in N102.***

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
N401	**19**	**City Name** Free-form text for city name	**O AN 2/30**
N402	**156**	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency	**O ID 2/2**
N403	**116**	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	**O ID 3/15**
N404	**26**	**Country Code** Code identifying the country	**O ID 2/3**
N405	**309**	**Location Qualifier** Code identifying type of location Refer to 003060 Data Element Dictionary for acceptable code values.	**X ID 1/2**
N406	**310**	**Location Identifier** Code which identifies a specific location	**O AN 1/30**

Segment: **PER** **Administrative Communications Contact**
Position: 180
Loop: N1 Optional (Must Use)
Level: Heading
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:
1 If either PER03 or PER04 is present, then the other is required.
2 If either PER05 or PER06 is present, then the other is required.
3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:
Comments:
Notes: ***1. Must use this 1/PER/180 segment in conjunction with N101 code GY to identify the individual certifying receipt and to provide communications numbers.***

2. Use to identify the point of contact and multiple communications numbers. When using multiple repetitions to identify different communications numbers for a single point of contact, repeat the name cited in PER02.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**PER01**	**366**	**Contact Function Code** Code identifying the major duty or responsibility of the person or group named RE Receiving Contact	**M ID 2/2**
Must Use	**PER02**	**93**	**Name** Free-form name ***Provide the last name, first name, middle initial and rate/rank/title as required, of the individual. Include blank spaces between name components and periods after initials. Do not include NMN when a middle initial is not available***	**O AN 1/35**
Must Use	**PER03**	**365**	**Communication Number Qualifier** Code identifying the type of communication number ***1. Use to identify the preferred method of communication in PER03/04. Use PER05/6 and PER07/8 to identify additional communications numbers. Use additional repetitions of the PER segment to identify more than three numbers.*** ***2. Do not include blank spaces or dashes between numbers.*** AU Defense Switched Network Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON) EM Electronic Mail FX Facsimile IT International Telephone ***Include country and city codes as needed.*** TE Telephone ***Use to indicate the commercial telephone number. Include the area code and number.***	**X ID 2/2**

Must Use	**PER04**	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X**	**AN 1/80**
	PER05	**365**	**Communication Number Qualifier** Code identifying the type of communication number ***1. Use to identify an alternate, or secondary, communications number which can be used to contact the entity identified in PER01.*** ***2. Do not include blank spaces or dashes between numbers.***	**X**	**ID 2/2**

AU	Defense Switched Network Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)
EM	Electronic Mail
EX	Telephone Extension ***When used, there must be a previous communication number citing either a national or international telephone number.***
FX	Facsimile
IT	International Telephone ***Include country and city codes as needed.***
TE	Telephone ***Use to indicate the commercial telephone number. Include the area code and number.***

	PER06	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X**	**AN 1/80**
	PER07	**365**	**Communication Number Qualifier** Code identifying the type of communication number ***1. Use to identify an alternate, or secondary, communications number which can be used to contact the entity identified in PER01.*** ***2. Do not include blank spaces or dashes between numbers.***	**X**	**ID 2/2**

AU	Defense Switched Network Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON)
EM	Electronic Mail
EX	Telephone Extension ***When used, there must be a previous communication number citing either a national or international telephone number.***
FX	Facsimile
IT	International Telephone ***Include country and city codes as needed.***
TE	Telephone

Use to indicate the commercial telephone number. Include the area code and number.

	PER08	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X**	**AN 1/80**
Not Used	**PER09**	**443**	**Contact Inquiry Reference** Additional reference number or description to clarify a contact number	**O**	**AN 1/20**

Segment: **RCD** **Receiving Conditions**
Position: 010
Loop: RCD Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To report receiving conditions and specify contested quantities
Syntax Notes:
1 At least one of RCD02 RCD04 or RCD06 is required.
2 If either RCD02 or RCD03 is present, then the other is required.
3 If either RCD04 or RCD05 is present, then the other is required.
4 If any of RCD06 RCD07 or RCD08 is present, then all are required.
5 If any of RCD09 RCD10 or RCD11 is present, then all are required.
6 If any of RCD12 RCD13 or RCD14 is present, then all are required.
7 If any of RCD15 RCD16 or RCD17 is present, then all are required.
8 If any of RCD18 RCD19 or RCD20 is present, then all are required.
Semantic Notes:
1 RCD01 is the receiving advice line item identification.
2 RCD21 is the cumulative quantity of goods received for a specific time period.
Comments:
1 See the Data Element Dictionary for a complete list of receiving condition IDs.
2 RCD06 through RCD20 provide for five different quantities whose condition upon receipt is under question.
Notes:
1. Must use one or more iterations of this 2/RCD/010 loop to identify line items received. Each iteration must identify the waste associated with a single line item.

2. Use RCD02-3 to indicate the quantity received and accepted.
Use RCD04-5 as needed to identify the quantity refused.
Use RCD06-8, RCD09-11, RCD12-14 and RCD15-17 triples as needed to identify quantities accepted with discrepancies noted.

3. The quantities indicated in RCD02/6/9/12 are generally expressed in weight or volume. Use the 2/TD1/130 segment to indicate the number of containers and total weight or volume of waste per manifest line item.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**RCD01**	**350**	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set ***Use to identify the manifest line number for the line item.***	**O AN 1/20**
Must Use	**RCD02**	**663**	**Quantity Units Received or Accepted** Number of Units Received or Accepted ***Use to identify the quantity of waste accepted in good condition.***	**X R 1/9**
Must Use	**RCD03**	**C001**	**Composite Unit of Measure** To identify a composite unit of measure (See Figures Appendix for examples of use)	**X**
Must Use	**C00101**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken 26 Actual Tons CO Cubic Meters (Net) CY Cubic Yard EA Each GA Gallon KG Kilogram	**M ID 2/2**

			LB	Pound		
			LT	Liter		
			MP	Metric Ton		
Not Used	**C00102**	**1018**	**Exponent** Power to which a unit is raised		**O**	**R 1/15**
Not Used	**C00103**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value		**O**	**R 1/10**
Not Used	**C00104**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		**O**	**ID 2/2**
Not Used	**C00105**	**1018**	**Exponent** Power to which a unit is raised		**O**	**R 1/15**
Not Used	**C00106**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value		**O**	**R 1/10**
Not Used	**C00107**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		**O**	**ID 2/2**
Not Used	**C00108**	**1018**	**Exponent** Power to which a unit is raised		**O**	**R 1/15**
Not Used	**C00109**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value		**O**	**R 1/10**
Not Used	**C00110**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		**O**	**ID 2/2**
Not Used	**C00111**	**1018**	**Exponent** Power to which a unit is raised		**O**	**R 1/15**
Not Used	**C00112**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value		**O**	**R 1/10**
Not Used	**C00113**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		**O**	**ID 2/2**
Not Used	**C00114**	**1018**	**Exponent** Power to which a unit is raised		**O**	**R 1/15**
Not Used	**C00115**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value		**O**	**R 1/10**
	RCD04	**664**	**Quantity Units Returned** Number of units returned ***1. Use to indicate the quantity of waste refused.*** ***2. When this data element is used, must use the 2/REF/070 segment to identify the reason for refusal and the 2/N1/210 segment to identify the location of where the waste was forwarded or returned.***		**X**	**R 1/9**
	RCD05	**C001**	**Composite Unit of Measure** To identify a composite unit of measure (See Figures Appendix for examples of use)		**X**	
Must Use	**C00101**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		**M**	**ID 2/2**
			26	Actual Tons		
			CO	Cubic Meters (Net)		
			CY	Cubic Yard		
			EA	Each		
			GA	Gallon		

			KG	Kilogram		
			LB	Pound		
			LT	Liter		
			MP	Metric Ton		
Not Used	**C00102**	**1018**	**Exponent** Power to which a unit is raised		**O**	**R 1/15**
Not Used	**C00103**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value		**O**	**R 1/10**
Not Used	**C00104**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		**O**	**ID 2/2**
Not Used	**C00105**	**1018**	**Exponent** Power to which a unit is raised		**O**	**R 1/15**
Not Used	**C00106**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value		**O**	**R 1/10**
Not Used	**C00107**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		**O**	**ID 2/2**
Not Used	**C00108**	**1018**	**Exponent** Power to which a unit is raised		**O**	**R 1/15**
Not Used	**C00109**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value		**O**	**R 1/10**
Not Used	**C00110**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		**O**	**ID 2/2**
Not Used	**C00111**	**1018**	**Exponent** Power to which a unit is raised		**O**	**R 1/15**
Not Used	**C00112**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value		**O**	**R 1/10**
Not Used	**C00113**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		**O**	**ID 2/2**
Not Used	**C00114**	**1018**	**Exponent** Power to which a unit is raised		**O**	**R 1/15**
Not Used	**C00115**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value		**O**	**R 1/10**
	RCD06	**667**	**Quantity in Question** Number of units contested because of physical condition or status of units ***Use to identify a quantity accepted with a discrepancy. Use RCD08 to identify the type of discrepancy. Use RCD11, RCD14, and RCD17 as needed to identify additional discrepancies.***		**X**	**R 1/9**
	RCD07	**C001**	**Composite Unit of Measure** To identify a composite unit of measure (See Figures Appendix for examples of use)		**X**	
Must Use	**C00101**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken		**M**	**ID 2/2**
			26	Actual Tons		
			CO	Cubic Meters (Net)		
			CY	Cubic Yard		
			EA	Each		
			GA	Gallon		

			KG Kilogram LB Pound LT Liter MP Metric Ton		
Not Used	**C00102**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R 1/15**
Not Used	**C00103**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R 1/10**
Not Used	**C00104**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**O**	**ID 2/2**
Not Used	**C00105**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R 1/15**
Not Used	**C00106**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R 1/10**
Not Used	**C00107**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**O**	**ID 2/2**
Not Used	**C00108**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R 1/15**
Not Used	**C00109**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R 1/10**
Not Used	**C00110**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**O**	**ID 2/2**
Not Used	**C00111**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R 1/15**
Not Used	**C00112**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R 1/10**
Not Used	**C00113**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**O**	**ID 2/2**
Not Used	**C00114**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R 1/15**
Not Used	**C00115**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R 1/10**
	RCD08	**412**	**Receiving Condition Code** Code designating physical condition or status of units received in a specific shipment ***1. Use as needed to specify one of codes 02 or 03. If used to specify an over/under condition use RCD11, RCD14 and RCD17 as needed to specify other discrepancy codes.*** ***2. If neither code 02 nor 03 are used, use this data element as needed to specify one of the other codes.*** ***3. Use any single code one time at most.*** 01 Damaged Product or Container ***Use to indicate a damaged container(s).*** 02 Quantity Short ***Must use if the weight/volume deviates by 10% or more from what was listed on the manifest or if there***	**X**	**ID 2/2**

is ANY deviation in the number of containers. RCD06 will indicate the weight/volume or number of containers actually received.

03 Quantity Over

Must use if the weight/volume deviates by 10% or more from what was listed on the manifest or if there is ANY deviation in the number of containers. RCD06 will indicate the weight/volume or number of containers actually received.

04 Quality Problem

Other discrepancy, when used must use the 2/REF/070 segment to describe the discrepancy.

05 Incorrect Product

Use to indicate the material received was not what was described on the manifest.

	RCD09	**667**	**Quantity in Question** Number of units contested because of physical condition or status of units ***Use to identify a quantity accepted with an additional discrepancy. Use RCD11 to identify the type of discrepancy.***	**X**	**R**	**1/9**
	RCD10	**C001**	**Composite Unit of Measure** To identify a composite unit of measure (See Figures Appendix for examples of use)	**X**		
Must Use	**C00101**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken 26 Actual Tons CO Cubic Meters (Net) CY Cubic Yard EA Each GA Gallon KG Kilogram LB Pound LT Liter MP Metric Ton	**M**	**ID**	**2/2**
Not Used	**C00102**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R**	**1/15**
Not Used	**C00103**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R**	**1/10**
Not Used	**C00104**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**O**	**ID**	**2/2**
Not Used	**C00105**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R**	**1/15**
Not Used	**C00106**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R**	**1/10**
Not Used	**C00107**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**O**	**ID**	**2/2**
Not Used	**C00108**	**1018**	**Exponent**	**O**	**R**	**1/15**

			Power to which a unit is raised		
Not Used	C00109	649	**Multiplier** Value to be used as a multiplier to obtain a new value	O	R 1/10
Not Used	C00110	355	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O	ID 2/2
Not Used	C00111	1018	**Exponent** Power to which a unit is raised	O	R 1/15
Not Used	C00112	649	**Multiplier** Value to be used as a multiplier to obtain a new value	O	R 1/10
Not Used	C00113	355	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O	ID 2/2
Not Used	C00114	1018	**Exponent** Power to which a unit is raised	O	R 1/15
Not Used	C00115	649	**Multiplier** Value to be used as a multiplier to obtain a new value	O	R 1/10
	RCD11	412	**Receiving Condition Code** Code designating physical condition or status of units received in a specific shipment 01 Damaged Product or Container 04 Quality Problem 05 Incorrect Product	X	ID 2/2
	RCD12	667	**Quantity in Question** Number of units contested because of physical condition or status of units ***Use to identify a quantity accepted with an additional discrepancy. Use RCD14 to identify the type of discrepancy.***	X	R 1/9
	RCD13	C001	**Composite Unit of Measure** To identify a composite unit of measure (See Figures Appendix for examples of use)	X	
Must Use	C00101	355	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken 26 Actual Tons CO Cubic Meters (Net) CY Cubic Yard EA Each GA Gallon KG Kilogram LB Pound MP Metric Ton	M	ID 2/2
Not Used	C00102	1018	**Exponent** Power to which a unit is raised	O	R 1/15
Not Used	C00103	649	**Multiplier** Value to be used as a multiplier to obtain a new value	O	R 1/10
Not Used	C00104	355	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	O	ID 2/2
Not Used	C00105	1018	**Exponent** Power to which a unit is raised	O	R 1/15
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** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**O**	**ID 2/2**
Not Used	**C00108**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R 1/15**
Not Used	**C00109**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R 1/10**
Not Used	**C00110**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**O**	**ID 2/2**
Not Used	**C00111**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R 1/15**
Not Used	**C00112**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R 1/10**
Not Used	**C00113**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**O**	**ID 2/2**
Not Used	**C00114**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R 1/15**
Not Used	**C00115**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R 1/10**
	RCD14	**412**	**Receiving Condition Code** Code designating physical condition or status of units received in a specific shipment 01 Damaged Product or Container 04 Quality Problem 05 Incorrect Product	**X**	**ID 2/2**
	RCD15	**667**	**Quantity in Question** Number of units contested because of physical condition or status of units ***Use to identify quantities with an additional discrepancy. Use RCD17 to indicate the type of discrepancy.***	**X**	**R 1/9**
	RCD16	**C001**	**Composite Unit of Measure** To identify a composite unit of measure (See Figures Appendix for examples of use)	**X**	
Must Use	**C00101**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken 26 Actual Tons CO Cubic Meters (Net) CY Cubic Yard EA Each GA Gallon KG Kilogram LB Pound MP Metric Ton	**M**	**ID 2/2**
Not Used	**C00102**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R 1/15**
Not Used	**C00103**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R 1/10**
Not Used	**C00104**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in	**O**	**ID 2/2**

			which a measurement has been taken			
Not Used	**C00105**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R**	**1/15**
Not Used	**C00106**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R**	**1/10**
Not Used	**C00107**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**O**	**ID**	**2/2**
Not Used	**C00108**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R**	**1/15**
Not Used	**C00109**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R**	**1/10**
Not Used	**C00110**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**O**	**ID**	**2/2**
Not Used	**C00111**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R**	**1/15**
Not Used	**C00112**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R**	**1/10**
Not Used	**C00113**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**O**	**ID**	**2/2**
Not Used	**C00114**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R**	**1/15**
Not Used	**C00115**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R**	**1/10**
	RCD17	**412**	**Receiving Condition Code** Code designating physical condition or status of units received in a specific shipment 01 Damaged Product or Container 04 Quality Problem 05 Incorrect Product	**X**	**ID**	**2/2**
Not Used	**RCD18**	**667**	**Quantity in Question** Number of units contested because of physical condition or status of units	**X**	**R**	**1/9**
Not Used	**RCD19**	**C001**	**Composite Unit of Measure** To identify a composite unit of measure (See Figures Appendix for examples of use)	**X**		
Not Used	**C00101**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**M**	**ID**	**2/2**
Not Used	**C00102**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R**	**1/15**
Not Used	**C00103**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R**	**1/10**
Not Used	**C00104**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**O**	**ID**	**2/2**
Not Used	**C00105**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R**	**1/15**
Not Used	**C00106**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R**	**1/10**
Not Used	**C00107**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**O**	**ID**	**2/2**

Not Used	**C00108**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R 1/15**
Not Used	**C00109**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R 1/10**
Not Used	**C00110**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**O**	**ID 2/2**
Not Used	**C00111**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R 1/15**
Not Used	**C00112**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R 1/10**
Not Used	**C00113**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	**O**	**ID 2/2**
Not Used	**C00114**	**1018**	**Exponent** Power to which a unit is raised	**O**	**R 1/15**
Not Used	**C00115**	**649**	**Multiplier** Value to be used as a multiplier to obtain a new value	**O**	**R 1/10**
Not Used	**RCD20**	**412**	**Receiving Condition Code** Code designating physical condition or status of units received in a specific shipment	**X**	**ID 2/2**
Not Used	**RCD21**	**380**	**Quantity** Numeric value of quantity	**O**	**R 1/15**

Segment: **LIN** **Item Identification**
Position: 040
Loop: RCD Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 100
Purpose: To specify basic item identification data
Syntax Notes:
1 If either LIN04 or LIN05 is present, then the other is required.
2 If either LIN06 or LIN07 is present, then the other is required.
3 If either LIN08 or LIN09 is present, then the other is required.
4 If either LIN10 or LIN11 is present, then the other is required.
5 If either LIN12 or LIN13 is present, then the other is required.
6 If either LIN14 or LIN15 is present, then the other is required.
7 If either LIN16 or LIN17 is present, then the other is required.
8 If either LIN18 or LIN19 is present, then the other is required.
9 If either LIN20 or LIN21 is present, then the other is required.
10 If either LIN22 or LIN23 is present, then the other is required.
11 If either LIN24 or LIN25 is present, then the other is required.
12 If either LIN26 or LIN27 is present, then the other is required.
13 If either LIN28 or LIN29 is present, then the other is required.
14 If either LIN30 or LIN31 is present, then the other is required.
Semantic Notes:
1 LIN01 is the line item identification
Comments:
1 See the Data Dictionary for a complete list of IDs.
2 LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.
Notes: ***1. Must use this 2/LIN/040 segment to identify EPA manifest line number and other identification of the waste received. For each iteration of the 2/RCD/010 loop use only a single repetition of the 2/LIN/040 segment.***

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	LIN01	350	**Assigned Identification** Alphanumeric characters assigned for differentiation within a transaction set ***Use to identify the manifest line number.***	O	AN 1/20
Must Use	LIN02	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) CN Commodity Name ***Use to indicate the proper shipping name.***	M	ID 2/2
Must Use	LIN03	234	**Product/Service ID** Identifying number for a product or service	M	AN 1/40
Must Use	LIN04	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234) IN Buyer's Item Number ***Must use in DRMS disposals to indicate the Hazardous Identification Number (HIN).***	X	ID 2/2
Must Use	LIN05	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/40
Not Used	LIN06	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	LIN07	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/40
Not Used	LIN08	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN09	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/40
Not Used	LIN10	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN11	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/40
Not Used	LIN12	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN13	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/40
Not Used	LIN14	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN15	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/40
Not Used	LIN16	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN17	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/40
Not Used	LIN18	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN19	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/40
Not Used	LIN20	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN21	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/40
Not Used	LIN22	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN23	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/40
Not Used	LIN24	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN25	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/40
Not Used	LIN26	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN27	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/40
Not Used	LIN28	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	LIN29	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/40
Not Used	LIN30	235	**Product/Service ID Qualifier** Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID 2/2
Not Used	LIN31	234	**Product/Service ID** Identifying number for a product or service	X	AN 1/40

Segment: **PID** **Product/Item Description**
Position: 050
Loop: RCD Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: 1000
Purpose: To describe a product or process in coded or free-form format
Syntax Notes:
1 If PID04 is present, then PID03 is required.
2 At least one of PID04 or PID05 is required.
3 If PID07 is present, then PID03 is required.
4 If PID08 is present, then PID03 is required.
Semantic Notes:
1 Use PID03 to indicate the organization that publishes the code list being referred to.
2 PID04 should be used for industry-specific product description codes.
3 PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4 PID09 is used to identify the language being used in PID05.
Comments:
1 If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3 PID07 specifies the individual code list of the agency specified in PID03.
Notes: ***Use multiple occurrences of this 2/PID/050 segment as needed to identify the EPA handling codes and EPA and state waste codes.***

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**PID01**	**349**	**Item Description Type** Code indicating the format of a description F Free-form ***Use as needed to provide additional descriptive information not available from code sources. Use in conjunction with PID02 code STL and PID05.*** S Structured (From Industry Code List) ***Must use to identify waste numbers and handling codes from industry code lists. Use in conjunction with PID02 codes HZ, NH, and WT and PID04.***	**M ID 1/1**
	PID02	**750**	**Product/Process Characteristic Code** Code identifying the general class of a product or process characteristic ***Must use only one of code HZ or NH.*** HZ Hazardous Material ***Use with PID04 to indicate the handling code (treatment code).*** NH Non-Hazardous Material ***Use with PID04 to indicate the handling code.*** STL State Controlled ***Use to indicate the applicable state waste code(s). Use in conjunction with PID01 code F. Cite the USPS abbreviation for the applicable state followed by a dash and then the specific waste code in PID05.*** WT Waste ***Use to indicate the EPA waste code. Use in conjunction with PID01 code S and PID03 code EP.***	**O ID 2/3**

			Use PID04 to identify the specific waste code.		
	PID03	**559**	**Agency Qualifier Code** Code identifying the agency assigning the code values EP United States Environmental Protection Agency (EPA)	**X**	**ID 2/2**
	PID04	**751**	**Product Description Code** A code from an industry code list which provides specific data about a product characteristic	**X**	**AN 1/12**
	PID05	**352**	**Description** A free-form description to clarify the related data elements and their content	**X**	**AN 1/80**
Not Used	**PID06**	**752**	**Surface/Layer/Position Code** Code indicating the product surface, layer or position that is being described	**O**	**ID 2/2**
Not Used	**PID07**	**822**	**Source Subqualifier** A reference that indicates the table or text maintained by the Source Qualifier	**O**	**AN 1/15**
Not Used	**PID08**	**1073**	**Yes/No Condition or Response Code** Code indicating a Yes or No condition or response	**O**	**ID 1/1**
Not Used	**PID09**	**819**	**Language Code** Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)	**O**	**ID 2/3**

Segment: **REF** **Reference Identification**
Position: 070
Loop: RCD Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes: **1** At least one of REF02 or REF03 is required.
2 If either C04003 or C04004 is present, then the other is required.
3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes: **1** REF04 contains data relating to the value cited in REF02.
Comments:
Notes: ***1. Use this 2/REF/070 segment to specify identification numbers for the line item.***

2. Also use this segment as needed to report discrepancy data.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification NN Nonconformance Report Number ***Must use in conjunction with RCD04 to describe why waste was refused by the receiving TSDF.*** ***Also use when one of RCD08, RCD11, RCD14 or RCD17 contain code 04 to describe a discrepancy that cannot be explained by coded means.*** W1 Defense Turn-In Document Number Identifies material submitted for reutilization and marketing ***Must use in DRMS shipments to indicate the DTID.***	**M ID 2/3**
Must Use	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier ***1. Use in conjunction with REF01 code W1 to identify the DTID.*** ***2. Use in conjunction with REF01 code NN to identify one of the following:*** ***CE - Waste was refused (RCD04 used) due to lack of capacity to store or process it.*** ***UQ - Waste was refused (RCD04 used) due to TSDF not qualified to process the type of waste.*** ***RO - Waste was refused (RCD04 used) for other reason, as described in REF03.*** ***DO - Waste was accepted with a discrepancy that could not be explained by coded means (RCD08, 11, 14, or 17 was code 04). Use REF03 to describe the discrepancy.***	**X AN 1/30**
	REF03	**352**	**Description** A free-form description to clarify the related data elements and their content ***Use only in conjunction with REF01 code NN and REF02 - RO or DO to provide a textual description of the discrepancy or reason for refusal. Use only when coded means fail to describe the circumstances.***	**X AN 1/80**

Not Used	**REF04**	**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: **TD1** **Carrier Details (Quantity and Weight)**
Position: 130
Loop: RCD Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: 20
Purpose: To specify the transportation details relative to commodity, weight, and quantity
Syntax Notes:
1 If TD101 is present, then TD102 is required.
2 If TD103 is present, then TD104 is required.
3 If TD106 is present, then TD107 is required.
4 If either TD107 or TD108 is present, then the other is required.
5 If either TD109 or TD110 is present, then the other is required.
Semantic Notes:
Comments:
Notes: ***1. Use this 2/TD1/130 segment to identify the line item weight/volume and container types and quantity.***

2. The shipment quantity must be expressed either in weight (use TD106-8) or volume (use TD109-10) but not both.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**TD101**	**103**	**Packaging Code** Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material ***1. Use to identify the type of containers.*** ***2. Typically use a code from part 1 to identify the type of container with a code from part 2 to identify the material (e.g., DRM58 would be a metal drum). However, part 1 codes BRG, TKR, TKT, TNK, and VEH do not use a part 2 code. See the Shipping Container Conversion Table for more information regarding converting X12 codes to UHWM container types.*** BAG Bag BOX Box BRG Barge CYL Cylinder DRM Drum TKR Tank Car TKT Tank Truck TNK Tank VEH Vehicles 07 Burlap 13 Cloth 31 Fibre 37 Fiberboard 58 Metal 79 Plastic 94 Wood	**O AN 3/5**
Must Use	**TD102**	**80**	**Lading Quantity** Number of units (pieces) of the lading commodity	**X N0 1/7**

Must use when TD101 is used. Use to identify the number of containers received without regard as to whether they were accepted, refused, or accepted with a discrepancy noted.

Not Used	**TD103**	**23**	**Commodity Code Qualifier**	**O**	**ID 1/1**
			Code identifying the commodity coding system used for Commodity Code		
Not Used	**TD104**	**22**	**Commodity Code**	**X**	**AN 1/30**
			Code describing a commodity or group of commodities		
Not Used	**TD105**	**79**	**Lading Description**	**O**	**AN 1/50**
			Description of an item as required for rating and billing purposes		
	TD106	**187**	**Weight Qualifier**	**O**	**ID 1/2**
			Code defining the type of weight		
			A Consolidated Weight		
	TD107	**81**	**Weight**	**X**	**R 1/10**
			Numeric value of weight		
			Use to identify the total quantity received in weight of the line item without regard as to whether it was accepted, refused, or accepted with a discrepancy noted.		
	TD108	**355**	**Unit or Basis for Measurement Code**	**X**	**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 measure of weight.		
			26 Actual Tons		
			KG Kilogram		
			LB Pound		
			MP Metric Ton		
	TD109	**183**	**Volume**	**X**	**R 1/8**
			Value of volumetric measure		
			Use to identify the total quantity received in volume of the line item without regard as to whether it was accepted, refused, or accepted with a discrepancy noted.		
	TD110	**355**	**Unit or Basis for Measurement Code**	**X**	**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 measure for volume.		
			CO Cubic Meters (Net)		
			CY Cubic Yard		
			GA Gallon		
			LT Liter		

Segment: **N1** **Name**
Position: 210
Loop: N1 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 this segment to identify the organization that refused waste was shipped (forwarded or returned) to. Must use with 2/RCD04/010.***

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**N101**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, or an individual ST Ship To ***Use to indicate the location refused waste was shipped to.***	**M ID 2/2**
	N102	**93**	**Name** Free-form name ***Use to identify the organization only when coded means are unavailable or insufficient.***	**X AN 1/35**
	N103	**66**	**Identification Code Qualifier** 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) 33 Commercial and Government Entity (CAGE) FA Facility Identification	**X ID 1/2**
	N104	**67**	**Identification Code** Code identifying a party or other code	**X AN 2/20**
Not Used	**N105**	**706**	**Entity Relationship Code** Code describing entity relationship	**O ID 2/2**
Not Used	**N106**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, or an individual	**O ID 2/2**

Segment: **N2** **Additional Name Information**
Position: 220
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:
Notes: ***This segment is not necessary when the organization cited in N101 is described by a code in N103/N104. If needed, use to provide additional name information of the organization identified in N102.***

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**N201**	**93**	**Name** Free-form name	**M**	**AN 1/35**
	N202	**93**	**Name** Free-form name	**O**	**AN 1/35**

Segment: **N3** **Address Information**
Position: 230
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: ***This segment is not necessary when the organization cited in N101 is described by a code in N103/N104. If needed, use to provide street address information of the organization identified in N102.***

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**N301**	**166**	**Address Information** Address information	**M AN 1/35**
	N302	**166**	**Address Information** Address information	**O AN 1/35**

Segment: **N4** **Geographic Location**
Position: 240
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: **1** If N406 is present, then N405 is required.
Semantic Notes:
Comments: **1** A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes: ***This segment is not necessary when the organization cited in N101 is described by a code in N103/N104. If needed, use to provide geographical location information of the organization identified in N102.***

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
N401	**19**	**City Name** Free-form text for city name	**O AN 2/30**
N402	**156**	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency	**O ID 2/2**
N403	**116**	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	**O ID 3/15**
N404	**26**	**Country Code** Code identifying the country	**O ID 2/3**
N405	**309**	**Location Qualifier** Code identifying type of location Refer to 003060 Data Element Dictionary for acceptable code values.	**X ID 1/2**
N406	**310**	**Location Identifier** Code which identifies a specific location	**O AN 1/30**

Segment: **SE** **Transaction Set Trailer**
Position: 020
Loop:
Level: Summary
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** Total number of segments included in a transaction set including ST and SE segments	**M N0 1/10**
Must Use	**SE02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set ***This is the same number that appears in ST02.***	**M AN 4/9**

NIST Technical Publications

Periodical

Journal of Research of the National Institute of Standards and Technology—Reports NIST research and development in those disciplines of the physical and engineering sciences in which the Institute is active. These include physics, chemistry, engineering, mathematics, and computer sciences. Papers cover a broad range of subjects, with major emphasis on measurement methodology and the basic technology underlying standardization. Also included from time to time are survey articles on topics closely related to the Institute's technical and scientific programs. Issued six times a year.

Nonperiodicals

Monographs—Major contributions to the technical literature on various subjects related to the Institute's scientific and technical activities.

Handbooks—Recommended codes of engineering and industrial practice (including safety codes) developed in cooperation with interested industries, professional organizations, and regulatory bodies.

Special Publications—Include proceedings of conferences sponsored by NIST, NIST annual reports, and other special publications appropriate to this grouping such as wall charts, pocket cards, and bibliographies.

National Standard Reference Data Series—Provides quantitative data on the physical and chemical properties of materials, compiled from the world's literature and critically evaluated. Developed under a worldwide program coordinated by NIST under the authority of the National Standard Data Act (Public Law 90-396). NOTE: The Journal of Physical and Chemical Reference Data (JPCRD) is published bimonthly for NIST by the American Chemical Society (ACS) and the American Institute of Physics (AIP). Subscriptions, reprints, and supplements are available from ACS, 1155 Sixteenth St., NW, Washington, DC 20056.

Building Science Series—Disseminates technical information developed at the Institute on building materials, components, systems, and whole structures. The series presents research results, test methods, and performance criteria related to the structural and environmental functions and the durability and safety characteristics of building elements and systems.

Technical Notes—Studies or reports which are complete in themselves but restrictive in their treatment of a subject. Analogous to monographs but not so comprehensive in scope or definitive in treatment of the subject area. Often serve as a vehicle for final reports of work performed at NIST under the sponsorship of other government agencies.

Voluntary Product Standards—Developed under procedures published by the Department of Commerce in Part 10, Title 15, of the Code of Federal Regulations. The standards establish nationally recognized requirements for products, and provide all concerned interests with a basis for common understanding of the characteristics of the products. NIST administers this program in support of the efforts of private-sector standardizing organizations.

Order the **following** *NIST publications—FIPS and NISTIRs—from the National Technical Information Service, Springfield, VA 22161.*

Federal Information Processing Standards Publications (FIPS PUB)—Publications in this series collectively constitute the Federal Information Processing Standards Register. The Register serves as the official source of information in the Federal Government regarding standards issued by NIST pursuant to the Federal Property and Administrative Services Act of 1949 as amended, Public Law 89-306 (79 Stat. 1127), and as implemented by Executive Order 11717 (38 FR 12315, dated May 11, 1973) and Part 6 of Title 15 CFR (Code of Federal Regulations).

NIST Interagency or Internal Reports (NISTIR)—The series includes interim or final reports on work performed by NIST for outside sponsors (both government and nongovernment). In general, initial distribution is handled by the sponsor; public distribution is handled by sales through the National Technical Information Service, Springfield, VA 22161, in hard copy, electronic media, or microfiche form. NISTIR's may also report results of NIST projects of transitory or limited interest, including those that will be published subsequently in more comprehensive form.

U.S. Department of Commerce
National Institute of Standards
and Technology
Gaithersburg, MD 20899–0001