873 Commodity Movement Services

Introduction:

This X12 Transaction Set contains the format and establishes the data contents of the Commodity Movement Services Transaction Set (873) for use within the context of an Electronic Data Interchange (EDI) environment. This standard can be used to convey request and response information for commodity movement services. This transaction is not to be used for product sales or purchases.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0100	ST	Transaction Set Header	M	1		
M	0200	BGN	Beginning Segment	M	1		
Must Use	0400	DTM	Date/Time Reference	O	>1		
			LOOP ID - N1			>1	
M	0500	N1	Party Identification	M	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - DTM			>1	
M	0100	DTM	Date/Time Reference	M	1		
			LOOP ID - CS			1	
Must Use	0500	CS	Contract Summary	O	1		
			LOOP ID - SLN			>1	
Must Use	0700	SLN	Subline Item Detail	O	1		
Must Use	0800	LQ	Industry Code Identification	O	>1		
	0900	N9	Extended Reference Information	O	>1		
			LOOP ID - N1			>1	
Must Use	1100	N1	Party Identification	O	1		
Must Use	1200	LCD	Place/Location Description	O	>1		
	1300	N9	Extended Reference Information	O	>1		
	1400	LQ	Industry Code Identification	O	>1		
Must Use	1500	QTY	Quantity Information	O	>1		
M	1600	SE	Transaction Set Trailer	M	1		

Segment: ## ST Transaction Set Header

Position:	0100
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	ST01	143	**Transaction Set Identifier Code**	M	1	ID 3/3
			Code identifying a Transaction Set			
			873 Commodity Movement Services			
M	ST02	329	**Transaction Set Control Number**	M	1	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			

Segment: **BGN** Beginning Segment

Position: 0200
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
M	BGN01	353	**Transaction Set Purpose Code**	M	1	ID 2/2	

Code identifying purpose of transaction set

   00   Original

M	BGN02	127	**Reference Identification**	M	1	AN 1/22	

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

The nomination number assigned by the nomination originator.

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

M	BGN03	373	**Date**	M	1	DT 8/8	

Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

The nomination issue date.

>>	BGN07	640	**Transaction Type Code**	O	1	ID 2/2	

Code specifying the type of transaction

   G1   Nomination

	Ref. **Des.**	**Data** **Element**	**Name**	**Attributes**		

Segment: **DTM** Date/Time Reference

Position: 0400
Loop:
Level: Heading
Usage: Optional (Must Use)
Max Use: >1
Notes: For NAESB WGQ, this segment is mandatory.

Data Element Summary

	Ref. **Des.**	**Data** **Element**	**Name**	**Attributes**		
M	**DTM01**	**374**	**Date/Time Qualifier**	**M**	**1**	**ID 3/3**
			Code specifying type of date or time, or both date and time			
			102 Issue			
>>	**DTM05**	**1250**	**Date Time Period Format Qualifier**	**X**	**1**	**ID 2/3**
			Code indicating the date format, time format, or date and time format			
			DT Date and Time Expressed in Format CCYYMMDDHHMM			
>>	**DTM06**	**1251**	**Date Time Period**	**X**	**1**	**AN 1/35**
			Expression of a date, a time, or range of dates, times or dates and times			
			Time Stamp			

Segment: # N1 Party Identification

Position: 0500
Loop: N1   Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Notes: For NAESB WGQ, this segment is mandatory.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	N101	98	**Entity Identifier Code**	M	1	ID 2/3

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

Refer to "N1 Segments (Header)" table for usage and values.

78	Service Requester
AG	Agent/Agency
	for NNG, not used. code value 78 can be used for either Service Requester or Agent
SJ	Service Provider

	Ref. Des.	Data Element	Name	Attributes		
	N103	66	**Identification Code Qualifier**	X	1	ID 1/2

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

Refer to "N1 Segments (Header)" table for usage and values.

	Ref. Des.	Data Element	Name	Attributes		
>>	N104	67	**Identification Code**	X	1	AN 2/17

Code identifying a party or other code

Transportation Service Provider/Transportation Service Provider Proprietary Code, Service Requester/Service Requester Proprietary Code, Service Requester Agent/Service Requester Agent Proprietary Code

Refer to "N1 Segments (Header)" table for usage and values.

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

for NNG, either the Service Requester code or the Agent code can be sent in the Service Requester segment (78); Agent segment (AG) can be sent but is not used.

	Ref.	**Data**				
	Des.	**Element**	**Name**		**Attributes**	

Segment: **DTM** Date/Time Reference
Position: 0100
Loop: DTM   Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	DTM01	374	**Date/Time Qualifier**	M	1	ID 3/3

Code specifying type of date or time, or both date and time

007   Effective

>>	DTM05	1250	**Date Time Period Format Qualifier**	X	1	ID 2/3

Code indicating the date format, time format, or date and time format

DDT   Range of Dates and Time, Expressed in CCYYMMDD -CCYYMMDDHHMM

This code designates the Gas Day on which the transaction is to be initiated through the instance in time when the transaction is to finish. For example, the entire month of April 2001 would be stated as 20010401-200105010900.

DTD   Range of Dates and Time, Expressed in CCYYMMDDHHMM-CCYYMMDD

This code designates the instance in time when the transaction is to be initiated through the Gas Day on which the transaction is to finish. For example, the entire month of April 2001 would be stated as 200104010900-20010430.

RD8   Range of Dates Expressed in Format CCYYMMDD -CCYYMMDD

This code designates the range of Gas Days in which the transaction will occur. For example, the entire month of April 2001 would be stated as 20010401 -20010430.

RDT   Range of Date and Time, Expressed in Format CCYYMMDDHHMM-CCYYMMDDHHMM

This code designates the instance in time when the transaction is to be initiated through the instance in time when the transaction is to finish. For example, the entire month of April 2001 would be stated as 200104010900-200105010900.

>>	DTM06	1251	**Date Time Period**	X	1	AN 1/35

Expression of a date, a time, or range of dates, times or dates and times

Beginning Date, Beginning Time, Ending Date, Ending Time
for NNG, the time can be sent but only the date portion is processed.

The entire month of April, 2019 would be stated as 20190401HHMM
-20190430HHMM

Segment: **CS** Contract Summary

Position:	0500
Loop:	CS Optional (Must Use)
Level:	Detail
Usage:	Optional (Must Use)
Max Use:	1
Notes:	For NAESB WGQ, this segment is mandatory.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
	CS01	**367**	**Contract Number**	O	1	AN 1/30

Contract number

For NAESB WGQ, this element is conditional.

Service Requester Contract

	Ref. Des.	Data Element	Name	Attributes		
>>	**CS04**	**128**	**Reference Identification Qualifier**	X	1	ID 2/3

Code identifying the Reference Identification

   NMT   Nomination Model Type

	Ref. Des.	Data Element	Name	Attributes		
>>	**CS05**	**127**	**Reference Identification**	X	1	AN 1/30

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

Model Type

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

   N   Non-Pathed Model

   P   Pathed Model

			Segment:	**SLN** Subline Item Detail

Segment: **SLN** Subline Item Detail
Position: 0700
Loop: SLN   Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	SLN01	350	**Assigned Identification**	M	1	AN 1/11

Alphanumeric characters assigned for differentiation within a transaction set

Nominator's Tracking ID

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

	Ref. Des.	Data Element	Name	Attributes		
M	SLN03	662	**Relationship Code**	M	1	ID 1/1

Code indicating the relationship between entities

    I   Included

Segment:	**LQ** Industry Code Identification		
Position:	0800		
Loop:	SLN	Optional (Must Use)	
Level:	Detail		
Usage:	Optional (Must Use)		
Max Use:	>1		

Data Element Summary

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

Code identifying a specific industry code list

Refer to "LQ Segments (Sub-detail)" table for usage and values.

PRI	Processing Rights Indicator
QT	Quantity Type Indicator
TT	Natural Gas Transaction Type
TTD	Downstream Transaction Type
TTU	Upstream Transaction Type

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

Code indicating a code from a specific industry code list

Quantity Type Indicator, Transaction Type, Processing Rights Indicator, Upstream Transaction Type, Downstream Transaction Type

Refer to "LQ Segments (Sub-detail)" table for usage and values.

for NNG, Upstream or Downstream Transaction Types 31 or 102 can be used to specify which side of the transaction should be validated as meter bounce when both Up K and Down K are contract numbers that exist in Northern's contract system.

If not sent, the side containing Up K or Down K which matches a contract in Northern's system is assumed to be the meter bounce side; both sides cannot contain a Northern contract number.

	Segment:	**N9** Extended Reference Information
	Position:	0900
	Loop:	SLN Optional (Must Use)
	Level:	Detail
	Usage:	Optional
	Max Use:	>1
	Notes:	For NAESB WGQ, this segment is sender's option.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**N901**	**128**	**Reference Identification Qualifier**	**M**	**1**	**ID 2/3**

Code identifying the Reference Identification

Refer to "N9 Segments (Sub-detail)" table for usage and values.

   PKG   Package Identifier

	Ref. Des.	Data Element	Name		Attributes	
>>	**N902**	**127**	**Reference Identification**	**X**	**1**	**AN 1/30**

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

Package ID

Refer to "N9 Segments (Sub-detail)" table for usage and values.

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

Segment: # N1 Party Identification

Position:	1100
Loop:	N1 Optional (Must Use)
Level:	Detail
Usage:	Optional (Must Use)
Max Use:	1
Notes:	For NAESB WGQ, this segment is mandatory and should be sent for at least one of the values in the N101 element.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	N101	98	**Entity Identifier Code**	M	1	ID 2/3

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

DW		Downstream Party
US		Upstream Party

	Ref. Des.	Data Element	Name	Attributes		
>>	N103	66	**Identification Code Qualifier**	X	1	ID 1/2

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

Parties should mutually agree to use the Transportation Service Provider's proprietary entity code when the D-U-N-S® Number is not available.

1	D-U-N-S Number, Dun & Bradstreet
	For NAESB WGQ, this code value may only be used when sending the Upstream Identifier Code or Downstream Identifier Code.
SV	Service Provider Number
	For NAESB WGQ, this code value may only be used when sending the Upstream Identifier Proprietary Code or Downstream Identifier Proprietary Code.

	Ref. Des.	Data Element	Name	Attributes		
>>	N104	67	**Identification Code**	X	1	AN 2/17

Code identifying a party or other code

Upstream Identifier Code/Upstream Identifier Proprietary Code, Downstream Identifier Code/Downstream Identifier Proprietary Code

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

Segment: **LCD** Place/Location Description

Position: 1200
Loop: N1   Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: >1
Notes: For NAESB WGQ, this segment is mandatory and should be sent for at least one of the values in the LCD02 element.

<div align="center">

Data Element Summary

</div>

	Ref. Des.	Data Element	Name		Attributes	
>>	LCD02	98	**Entity Identifier Code**	O	1	ID 2/3

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

Refer to "LCD Segments (Sub-detail - N1 loop)" table for usage and values.

M2	Receipt Location	
MQ	Delivery Location	

	Ref. Des.	Data Element	Name		Attributes	
>>	LCD05	66	**Identification Code Qualifier**	X	1	ID 1/2

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

SV	Service Provider Number

	Ref. Des.	Data Element	Name		Attributes	
>>	LCD06	67	**Identification Code**	X	1	AN 2/17

Code identifying a party or other code

Delivery Location, Receipt Location, Associated Delivery Location, Associated Receipt Location

Refer to "LCD Segments (Sub-detail - N1 loop)" table for usage and values.

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

Segment: **N9** **Extended Reference Information**

Position: 1300
Loop: N1   Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: >1
Notes: For NAESB WGQ, this segment is business conditional.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	N901	128	**Reference Identification Qualifier**	M	1	ID 2/3

Code identifying the Reference Identification

Refer to "N9 Segments (Sub-detail - N1 loop)" table for usage and values.

    DT   Downstream Shipper Contract Number

    UP   Upstream Shipper Contract Number

	Ref. Des.	Data Element	Name	Attributes		
>>	N902	127	**Reference Identification**	X	1	AN 1/30

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

Downstream Contract Identifier, Upstream Contract Identifier

Refer to "N9 Segments (Sub-detail - N1 loop)" table for usage and values.

The data element maximum length indicated is reduced from that which is specified in the ASC X12 standards.

Segment: **LQ** **Industry Code Identification**
Position: 1400
Loop: N1　　Optional (Must Use)
Level: Detail
Usage: Optional
Max Use: >1
Notes: For NAESB WGQ, this segment is business conditional.

Data Element Summary

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

Code identifying a specific industry code list

Refer to "LQ Segments (Sub-detail - N1 loop)" table for usage and values.

R2	Receipt Rank (Priority)
R3	Delivery Rank (Priority)

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

Code indicating a code from a specific industry code list

Delivery Rank (Priority), Receipt Rank (Priority)

Refer to "LQ Segments (Sub-detail - N1 loop)" table for usage and values.

	Ref.	Data				
Segment:		**QTY** Quantity Information				

Segment: **QTY** Quantity Information

Position: 1500
Loop: N1   Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: >1
Notes: For NAESB WGQ, this segment is mandatory.

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

	Ref. Des.	Data Element	Name	Attributes		
M	QTY01	673	**Quantity Qualifier**	M	1	ID 2/2

Code specifying the type of quantity

Refer to "QTY Segments (Sub-detail - N1 loop)" table for usage and values.

    38   Original Quantity

>>	QTY02	380	**Quantity**	X	1	R 1/15

Numeric value of quantity

Quantity, Delivered Quantity, Minimum Receipt Quantity, Minimum Delivery Quantity

Refer to "QTY Segments (Sub-detail - N1 loop)" table for usage and values.

>>	QTY03	C001	**Composite Unit of Measure**	O	1

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

M	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

    BZ   Million BTUs/Dekatherm

Segment: **SE** **Transaction Set Trailer**
Position: 1600
Loop:
Level: Detail
Usage: Mandatory
Max Use: 1

Data Element Summary

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