



X12 Implementation

Guidelines

For

**Outbound Request for
Quotation**

(840o)

840 Request for Quotation

Functional Group ID=**RQ**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Request for Quotation Transaction Set (840) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide potential buyers with the ability to solicit price, delivery schedule, and other items from potential sellers of goods and services.

Notes:

*IMPORTANT - Y2K - All dates contained within this transaction set have an implied century based on a pivot year of "50". If the YY portion of a date field is greater than or equal to 51, the implied century is 19, if the YY portion of a date field is less than or equal to 50, the implied century is 20. Ford works within a fixed window, 1951 - 2050.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BQT	Beginning Segment for Request for Quotation	M	1		
	040	CUR	Currency	O	1		
	060	PER	Administrative Communications Contact	O	3		
	150	DTM	Date/Time Reference	O	10		
LOOP ID - N9						1000	
	290	N9	Reference Identification	O	1		
	300	MSG	Message Text	O	1000		
LOOP ID - N1						10000	
	310	N1	Name	O	1		
	320	N2	Additional Name Information	O	2		
	330	N3	Address Information	O	2		
	340	N4	Geographic Location	O	>1		
	360	PER	Administrative Communications Contact	O	>1		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - PO1						999	
M	010	PO1	Baseline Item Data	M	1		
LOOP ID - PID						1000	
	050	PID	Product/Item Description	O	1		
	100	REF	Reference Identification	O	>1		
	200	DTM	Date/Time Reference	O	10		
LOOP ID - SCH						104	
	297	SCH	Line Item Schedule	O	1		
LOOP ID - N9						1000	
	320	N9	Reference Identification	O	1		
	330	MSG	Message Text	O	1000		
LOOP ID - N1						>1	
	340	N1	Name	O	1		
	350	N2	Additional Name Information	O	2		

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360	N3	Address Information	O	2
370	N4	Geographic Location	O	1
405	SCH	Line Item Schedule	O	200

Summary:

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Loop</u> <u>Repeat</u>	<u>Notes and</u> <u>Comments</u>
	010	CTT	Transaction Totals	O	1		
M	020	SE	Transaction Set Trailer	M	1		

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:
Notes: ST~840~2336704'

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 840 X12.7 Request for Quotation	M ID 3/3
M	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	M AN 4/9

Segment: **BQT** Beginning Segment for Request for Quotation

Position: 020

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To indicate the beginning of a Request for Quotation Transaction Set and transmit identifying numbers and dates

Syntax Notes: 1 If either BQT04 or BQT05 is present, then the other is required.

Notes: BQT~00~G62 458154~010723~106~010731~SA'

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	BQT01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 05 - "Replace" used to identify re-bid 00 Original 05 Replace	M ID 2/2
M	BQT02	586	Request for Quote Reference Number Number assigned by the purchaser to identify his request for quote	M AN 1/45
M	BQT03	373	Date Date (YYMMDD) Buyer's RFQ date	M DT 6/6
	BQT04	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 106 Required By	X ID 3/3
	BQT05	373	Date Date (YYMMDD) Bid Due date.	X DT 6/6
	BQT06	92	Purchase Order Type Code Code specifying the type of Purchase Order KB Blanket Purchase Agreement A charge account established with qualified sources of supply to satisfy repetitive requirements SA Stand-alone Order	O ID 2/2
	BQT08	1166	Contract Type Code Code identifying a contract type Refer to 003060 Data Element Dictionary for acceptable code values.	O ID 2/2

Segment: **CUR** Currency
Position: 040
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:

- 1 If CUR08 is present, then CUR07 is required.
- 2 If CUR09 is present, then CUR07 is required.
- 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
- 4 If CUR11 is present, then CUR10 is required.
- 5 If CUR12 is present, then CUR10 is required.
- 6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
- 7 If CUR14 is present, then CUR13 is required.
- 8 If CUR15 is present, then CUR13 is required.
- 9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
- 10 If CUR17 is present, then CUR16 is required.
- 11 If CUR18 is present, then CUR16 is required.
- 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
- 13 If CUR20 is present, then CUR19 is required.
- 14 If CUR21 is present, then CUR19 is required.

Notes: CUR~BY~USD'

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	CUR01	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual BY Buying Party (Purchaser)	M ID 2/2
M	CUR02	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified	M ID 3/3

Segment: **PER Administrative Communications Contact**
Position: 060
Loop:
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.
Notes: PER~BD~JIM (4641)~TE~(313)-755-9999~FX~(313)-755-2610~~~4641'
 PER~OC~DARIN BREMMER~TE~(734)-484-9176~~~~~EHB8920'

Data Element Summary

Ref.	Data Element	Name	Attributes
M	PER01	366 Contact Function Code Code identifying the major duty or responsibility of the person or group named BD Buyer Name or Department OC Order Contact	M ID 2/2
	PER02	93 Name Free-form name	O AN 1/35
	PER03	365 Communication Number Qualifier Code identifying the type of communication number TE Telephone	X ID 2/2
	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 FX Facsimile	X ID 2/2
	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 EM Electronic Mail	X ID 2/2
	PER08	364 Communication Number Complete communications number including country or area code when applicable Ford Internet e-mail address. PLEASE NOTE: e-mail addresses are not "validated" when entered into the Ford system, therefore there is not guarantee that this e-mail address will be valid or accurate.	X AN 1/80
	PER09	443 Contact Inquiry Reference Additional reference number or description to clarify a contact number Ford Buyer code when PER01 = BD Ford Requisitioner code when PER01 = OC	O AN 1/20

Segment: **DTM** Date/Time Reference
Position: 150
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: **1** At least one of DTM02 DTM03 or DTM06 is required.
2 If either DTM06 or DTM07 is present, then the other is required.
Notes: DTM~089~010723~2312~ET~20'
DTM~106~010731~1700~ET~20'

Data Element Summary

Ref.	Data	Name		Attributes
<u>Des.</u>	<u>Element</u>			
M	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			089 Inquiry	
			106 Required By	
	DTM02	373	Date	X DT 6/6
			Date (YYMMDD)	
	DTM03	337	Time	X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
	DTM04	623	Time Code	O ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
			ET Eastern Time	
	DTM05	624	Century	O N0 2/2
			The first two characters in the designation of the year (CCYY)	

Segment: **N9 Reference Identification**
Position: 290
Loop: N9 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes: 1 At least one of N902 or N903 is required.
 2 If N906 is present, then N905 is required.
 3 If either C04003 or C04004 is present, then the other is required.
 4 If either C04005 or C04006 is present, then the other is required.
Notes: N9~CU~~ CLAUSE TEXT - SEE MSG SEGMENT'

Data Element Summary

Ref.	Data Element	Name	Attributes
M	N901	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		CU Clear Text Clause	
		KZ Master Solicitation Procedures, Terms, and Conditions	
		A set of standard procedures, terms, and conditions, applicable to a category of procurement, which will be incorporated into all procurement actions in that category by referencing its unique number rather than by incorporating the lengthy details it represents	
		TD Reason for Change	
N902	127	Reference Identification	X AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
		Ford's Global Terms and Conditions form number and revision date when N901 = KZ	
N903	369	Free-form Description	X AN 1/45
		Free-form descriptive text	
		Text indicating that MSG segment contains the clause verbiage when N901= CU	
		Text stating that copies of the T&C are available from the buyer when N901= KZ	
		Text indicating that MSG segment contains the re-bid reason when N901= TD	

Segment: **MSG** Message Text
Position: 300
Loop: N9 Optional
Level: Heading
Usage: Optional
Max Use: 1000
Purpose: To provide a free-form format that allows the transmission of text information
Syntax Notes:
Notes:

MSG~IF FORD MOTOR COMPANY (U.S.) OR VISTEON CORPORATION (U.S.) IS THE BUYER,'
 MSG~AND SELLER IS A U.S. ENTITY, IN ADDITION TO THE FEDERAL LAWS RULES AND'
 MSG~REGULATIONS IDENTIFIED IN CLAUSE 25 OF BUYER'S STANDARD PURCHASE ORDER'

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	MSG01	<u>Element</u> 933	Free-Form Message Text Free-form message text Clause verbiage when N901 = CU. Global Terms and Conditions verbiage when N901 = KZ. Reason for Re-bid when N901 = TD	M AN 1/80

Segment: **N1** Name
Position: 310
Loop: N1 Optional
Level: Heading
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.
Notes: N1~ST~FORD ONTARIO TRUCK~92~AP21A'

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	N101	98 Entity Identifier Code	M ID 2/2
		Code identifying an organizational entity, a physical location, or an individual	
		BY Buying Party (Purchaser)	
		PD Purchaser's Department Buyer	
		RE Party to receive commercial invoice remittance	
		ST Ship To	
		SU Supplier/Manufacturer	
	N102	93 Name	X AN 1/35
		Free-form name	
		Buying Party's Legal Entity Name when N101="BY".	
	N103	66 Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		92 Assigned by Buyer or Buyer's Agent	
	N104	67 Identification Code	X AN 5/5
		Code identifying a party or other code	
		Ford's 5 byte GSDB (Global Supplier DataBase) code.	

Segment: N2 Additional Name Information
Position: 320
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Notes: N2~ATTN: BEN ACCSPIN'

Data Element Summary

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	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: 330
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Notes: N3~FORD DR ROYAL WINDSOR DR'

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	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: 340
Loop: N1 Optional
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.
Notes: N4~OAKVILLE~ON~L6J 5E7~CA'

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
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

Segment: **PER Administrative Communications Contact**
Position: 360
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: >1
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.
Notes: PER~SU~JENNY'

Data Element Summary

Ref.	Data Element	Name	Attributes
M	PER01	366 Contact Function Code Code identifying the major duty or responsibility of the person or group named BD Buyer Name or Department SU Supplier Contact	M ID 2/2
	PER02	93 Name Free-form name	O AN 1/35
	PER03	365 Communication Number Qualifier Code identifying the type of communication number TE Telephone	X ID 2/2
	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 FX Facsimile	X ID 2/2
	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 EM Electronic Mail	X ID 2/2
	PER08	364 Communication Number Complete communications number including country or area code when applicable Ford Internet e-mail address. PLEASE NOTE: e-mail addresses are not "validated" when entered into the Ford system, therefore there is not guarantee that this e-mail address will be valid or accurate.	X AN 1/80
	PER09	443 Contact Inquiry Reference Additional reference number or description to clarify a contact number Ford Buyer code when PER01 = BD.	O AN 1/20

Segment: **PO1** **Baseline Item Data**
Position: 010
Loop: PO1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify basic and most frequently used line item data
Syntax Notes:

- 1 If PO103 is present, then PO102 is required.
- 2 If PO105 is present, then PO104 is required.
- 3 If either PO106 or PO107 is present, then the other is required.
- 4 If either PO108 or PO109 is present, then the other is required.
- 5 If either PO110 or PO111 is present, then the other is required.
- 6 If either PO112 or PO113 is present, then the other is required.
- 7 If either PO114 or PO115 is present, then the other is required.
- 8 If either PO116 or PO117 is present, then the other is required.
- 9 If either PO118 or PO119 is present, then the other is required.
- 10 If either PO120 or PO121 is present, then the other is required.
- 11 If either PO122 or PO123 is present, then the other is required.
- 12 If either PO124 or PO125 is present, then the other is required.

Notes: PO1~001~5000~EA~~~BP~9100404~MF~NET~MG~MB09~PN~1011857709'

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
PO101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Line item number.	O AN 3/3
PO102	330	Quantity Ordered Quantity ordered	X R 1/9
PO103	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 Refer to ANSI unit of measure table.	O ID 2/2
PO106	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) BP Buyer's Part Number	X ID 2/2
PO107	234	Product/Service ID Identifying number for a product or service	X AN 1/40
PO108	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) MF Manufacturer	X ID 2/2
PO109	234	Product/Service ID Identifying number for a product or service	X AN 1/40
PO110	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) MG Manufacturer's Part Number	X ID 2/2
PO111	234	Product/Service ID Identifying number for a product or service	X AN 1/40
PO112	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) PN Company Part Number	X ID 2/2
PO113	234	Product/Service ID Identifying number for a product or service	X AN 1/40
PO114	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in	X ID 2/2

		Product/Service ID (234)		
		PT	Print or Drawing	
PO115	234	Product/Service ID		X AN 1/40
		Identifying number for a product or service		
		Ford blueprint number.		
PO116	235	Product/Service ID Qualifier		X ID 2/2
		Code identifying the type/source of the descriptive number used in		
		Product/Service ID (234)		
		ZZ	Mutually Defined	
PO117	234	Product/Service ID		X AN 1/40
		Identifying number for a product or service		
		Blueprint manufacturer name.		
PO118	235	Product/Service ID Qualifier		X ID 2/2
		Code identifying the type/source of the descriptive number used in		
		Product/Service ID (234)		
		SA	Schematic Diagram Reference Number	
PO119	234	Product/Service ID		X AN 1/40
		Identifying number for a product or service		
		Manufacturer's blueprint number.		

Segment: **PID** Product/Item Description
Position: 050
Loop: PID Optional
Level: Detail
Usage: Optional
Max Use: 1
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.

Notes: PID~F~~~~FREE FORM MESSAGE'

Data Element Summary

Ref.	Data Element	Name	Attributes
M	PID01	349 Item Description Type Code indicating the format of a description F Free-form	M ID 1/1
	PID05	352 Description A free-form description to clarify the related data elements and their content	X AN 1/80

Segment: **REF** Reference Identification
Position: 100
Loop: PO1 Mandatory
Level: Detail
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.

Notes: REF~RQ~RQ01204A02~REQUISITION NUMBER'

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification RQ Purchase Requisition No. XT Toxicology ID	M ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Toxicology number when REF01=XT. Requisition number when REF01=RQ.	X AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content Either the literal "toxicology number" or the literal "requisition number".	X AN 1/80

Segment: **DTM** Date/Time Reference
Position: 200
Loop: PO1 Mandatory
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: 1 At least one of DTM02 DTM03 or DTM06 is required.
 2 If either DTM06 or DTM07 is present, then the other is required.
Notes: DTM~062~010724~~~20'

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 062 Blueprint	M ID 3/3
	DTM02	373	Date Date (YYMMDD)	X DT 6/6
	DTM05	624	Century The first two characters in the designation of the year (CCYY)	O N0 2/2

Segment: SCH Line Item Schedule
Position: 297
Loop: SCH Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the data for scheduling a specific line-item
Syntax Notes: 1 If SCH03 is present, then SCH04 is required.
 2 If SCH08 is present, then at least one of SCH09 or SCH10 is required.
 3 If SCH09 is present, then SCH08 is required.
 4 If SCH10 is present, then SCH08 is required.
Notes: SCH~5000~EA~MA~ATTN:BEN ACCIN~069~010724~~~~~AP21A'

This repetition of the SCH (position 297) will be used to indicate the shipping schedule (quantity and date) if the item does NOT have multiple ship-to or split delivery. If split delivery does exist for this item, this SCH will not be used and instead the SCH (position 405) within the N1 loop (beginning at position 340) will be used to.

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	SCH01	380	Quantity	M R 1/15
			Numeric value of quantity	
M	SCH02	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	
			Refer to 003060 Data Element Dictionary for acceptable code values.	
	SCH03	98	Entity Identifier Code	O ID 2/2
			Code identifying an organizational entity, a physical location, or an individual	
			MA	Party for whom Item is Ultimately Intended
	SCH04	93	Name	X AN 1/35
			Free-form name	
M	SCH05	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
			002	Delivery Requested
			069	Promised for Delivery
M	SCH06	373	Date	M DT 6/6
			Date (YYMMDD)	
	SCH12	350	Assigned Identification	O AN 5/5
			Alphanumeric characters assigned for differentiation within a transaction set	
			Ford's 5 character GSDB (global supplier database) code. Same value as found in N102 when N101=ST.	

Segment: **N9 Reference Identification**
Position: 320
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

Notes: N9~BV~001~LINE ITEM DESCRIPTION'

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	N901	128 Reference Identification Qualifier Code qualifying the Reference Identification BV Purchase Order Line Item Identifier (Buyer) E9 Attachment Code Supplementary reference information	M ID 2/3
	N902	127 Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Line Item number.	X AN 3/3
	N903	369 Free-form Description Free-form descriptive text Text indicating what information will be found in the MSG segment.	X AN 1/45

Segment: **MSG** Message Text
Position: 330
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: 1000
Purpose: To provide a free-form format that allows the transmission of text information
Syntax Notes:
Notes: MSG~ELECTRODE,CAP: NIPRT #MB09: FORD STD #WC15B'

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	MSG01	933	Free-Form Message Text	M AN 1/80
			Free-form message text	
			Line Item Description when N901=BV.	
			Directions regarding attachments when N901=E9.	

Segment: **N1** Name
Position: 340
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.
Notes: N1~ST~FORD ONTARIO TRUCK~92~AP21A'

This occurrence of the N1 loop in the detail, consisting of the N1, N2, N3, N4, and SCH segments, will be used to identify split delivery locations (for those items with multiple ship-to locations) and/or split delivery quantities and dates to the same location. If an item does not have either multiple ship-to locations or split delivery quantities, this repetition of the N1 loop will not be created. Instead, the ship-to will be specified in the N1 loop within the heading (beginning at position 310) when N101= "ST" and the quantity and date will be contained in the SCH loop (position 297) at the detail level.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98 Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual ST Ship To	M ID 2/2
	N102	93 Name Free-form name	X AN 1/35
	N103	66 Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	X ID 1/2
	N104	67 Identification Code Code identifying a party or other code 92 Assigned by Buyer or Buyer's Agent Ford's 5 character GSDB code identifying N102.	X AN 5/5

Segment: N2 Additional Name Information
Position: 350
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:
Notes: N2~ATTN:BEN ACCPIN'

Data Element Summary

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	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: 360
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Notes: N3~FORD DR ROYAL WINDSOR DR'

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	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: 370
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.
Notes: N4~OAKVILLE~ON~L6J 5E7~CA'

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
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

Segment: SCH Line Item Schedule
Position: 405
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 200
Purpose: To specify the data for scheduling a specific line-item
Syntax Notes:

- 1 If SCH03 is present, then SCH04 is required.
- 2 If SCH08 is present, then at least one of SCH09 or SCH10 is required.
- 3 If SCH09 is present, then SCH08 is required.
- 4 If SCH10 is present, then SCH08 is required.

Notes: SCH~5000~EA~MA~ATTN: BEN ACCN~069~010724~~~~~AP21A'

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SCH01	380 Quantity	M R 1/15
		Numeric value of quantity	
M	SCH02	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	
		Refer to 003060 Data Element Dictionary for acceptable code values.	
	SCH03	98 Entity Identifier Code	O ID 2/2
		Code identifying an organizational entity, a physical location, or an individual	
		MA Party for whom Item is Ultimately Intended	
	SCH04	93 Name	X AN 1/35
		Free-form name	
M	SCH05	374 Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
		002 Delivery Requested	
M	SCH06	373 Date	M DT 6/6
		Date (YYMMDD)	
	SCH12	350 Assigned Identification	O AN 5/5
		Alphanumeric characters assigned for differentiation within a transaction set	
		Location code identifying ship to location in N102 (Ford's 5 character GSDB code).	

Segment: **CTT** Transaction Totals
Position: 010
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes: 1 If either CTT03 or CTT04 is present, then the other is required.
 2 If either CTT05 or CTT06 is present, then the other is required.
Notes: CTT~1~5000'

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	CTT01	354 Number of Line Items	M N0 1/6
		Total number of line items in the transaction set	
	CTT02	347 Hash Total	O R 1/10
		Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.	

Example:

-.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.
 Sum total of all PO102 elements contained within this 840 transaction.

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:

Notes: SE~35~2336409'

Data Element Summary

	Ref.	Data		Attributes
	Des.	Element	Name	
M	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
M	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	M AN 4/9

Example

ISA*00* *00* *01*9012345720000 *01*9088877320000
 *010814*1424*U*00200*000000001*0*T*:
 GS*RQ*901234572000*908887732000*010814*1424*1*T*003060!
 ST*840*0001!
 BQT*00*RQ39201929302*900415*106*901201*KB!
 CUR*BY*USA!
 PER*BD*ARTHUR JONES*TE*(614)555-1212*FX*(614)555-1212*EM*(614)555-1212*ADDL CONTACT
 DESC!
 DTM*089*901008*1615*ET*20!
 N9*CU*3920394930203*FREE FORM DESCRIPTION!
 MSG*FREE FORM MESSAGE TEXT!
 N1*BY*MAGGIE MCGILLICUTTY*92*IDNTF!
 N2*BEVERLY SIMPSON*ARTHUR JONES!
 N3*PO BOX 123*157 WEST 57TH STREET!
 N4*CINCINNATI*OH*43017*US!
 PER*BD*MAGGIE MCGILLICUTTY*TE*(614)555-1212*FX*(614)555-1212*EM*(614)555-1212*ADDL
 CONTACT DESC!
 PO1*AAA849*100****BP*ASSEMBLY*MF*BRAND OR LABEL*MG*CUST12345*PN*ASSEMBLY*PT*BRAND OR
 LABEL*ZZ*CUST12345*SA*ASSEMBLY!
 PID*F****GENERAL PURPOSE!
 REF*RQ*12345678900987654321768958473*GENERAL PURPOSE!
 DTM*062*900415***20!
 SCH*100*DP*MA*BEVERLY SIMPSON*002*901201*****888394!
 N9*BV*500*FREE FORM DESCRIPTION!
 MSG*FREE FORM MESSAGE TEXT!
 N1*ST*ARTHUR JONES*92*IDNTF!
 N2*MAGGIE MCGILLICUTTY*BEVERLY SIMPSON!
 N3*103 NORTH MAIN STREET*PO BOX 123!
 N4*COLUMBUS*OH*43017*US!
 SCH*.500*HB*MA*ARTHUR JONES*002*901008*****3ALDKF!
 CTT*10*855!
 SE*26*0001!
 GE*1*1!
 IEA*1*000000001!