

CONTAX

Shipping Technology

ANSI X12 004010 · EDI IMPLEMENTATION GUIDE

CONTAX EDI 315 - Ocean Shipment Status Details Implementation Guide

Transaction Set 315 — Ocean Shipment Status Details

Version 3.1

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Standard ANSI ASC X12, Version/Release 004010

Prepared by CONTAX, Inc.

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Purpose and Scope

This document defines the CONTAX implementation of the Ocean Shipment Status Details Transaction Set (315) under ANSI X12 Version 4010. It is intended for developers at ocean carriers and logistics providers configuring EDI status feeds to CONTAX. The 315 transaction set conveys status or event details for ocean shipments and containers. It can accommodate one status or event for many shipments, or multiple events for a single shipment. Port or terminal information is conveyed via the mandatory R4 loop, with associated dates in DTM segments. Overall shipment status is conveyed in the SG segment, and discrete events in the V9 segment.

Where CONTAX layers a business rule or a data structure on top of the base standard, that fact is called out explicitly rather than presented as an inherent X12 requirement.

Key Implementation Conventions

- Req. Des. M = Mandatory; O = Optional; X = Conditional (see syntax notes).
- Dates use CCYYMMDD format. Times use the 24-hour forms HHMM, HHMMSS, HHMMSSD, or HHMMSSDD.
- The R4 loop is mandatory and may repeat up to 20 times per transaction. Each R4 identifies a port or terminal function.
- **CONTAX business convention (not an X12 rule):** In CONTAX feeds, R401 code 5 (Activity Location) is used exclusively for Customs events, and codes D, E, L, and R are not used for Customs activity locations. The base ANSI X12 004010 standard defines element 115 code 5 simply as "Activity Location (Operational)" with **no** Customs restriction; the Customs-only usage is a CONTAX convention layered on top of the standard by trading-partner agreement.
- Location values in R403 should use UNLOCODE (qualifier UN) unless an alternative qualifier is specified.
- ISA13 must be 9 digits, zero-padded, and must match IEA02 exactly. ST02 must match SE02.
- **Standard vs. extension:** The party-identification loop (N1 / N3 / N4) is a **CONTAX extension** and is not part of the ANSI X12 004010 315 transaction set. See the "CONTAX Extension — Party Identification Loop" section for how it is carried and negotiated.

Developer Validation Checklist

- ☐ Validate ISA/IEA control consistency: `ISA13` must be 9 digits, zero-padded, and must match `IEA02` exactly when specified.
- ☐ Validate GS/GE control consistency: `GS06` must match `GE02` when the group trailer is present.
- ☐ Validate ST/SE control consistency: `ST02` must match `SE02`.
- ☐ Validate date and time formats using the transaction rules: `CCYYMMDD` for dates and the allowed `HHMM` / `HHMMSS` / `HHMMSSD` / `HHMMSSDD` variants for times.
- ☐ Require at least one `R4` loop. Apply the CONTAX convention: use `R401 = 5` only for Customs events, and do not use `D`, `E`, `L`, or `R` for Customs activity locations. (This is a CONTAX convention, not an X12 restriction.)
- ☐ Prefer UNLOCODE in `R403` with qualifier `UN` unless another qualifier is explicitly agreed.
- ☐ In `SG`, ensure at least one of `SG01`, `SG02`, or `SG03` is present.
- ☐ In `N9`, ensure at least one of `N902` or `N903` is present.
- ☐ Confirm whether the CONTAX party-identification extension (N1/N3/N4) is in scope for the trading-partner agreement before emitting or parsing it; it is non-standard and will be rejected by strict X12 004010 validators.

Transaction Set Map (ANSI X12 004010)

The following is the true 315 structure per ANSI X12 004010. This is the authoritative map; CONTAX transmits and expects these segments in these positions.

TABLE 2.1 — STANDARD 315 SEGMENTS

Pos.	Seg.	Name	Req.	Max Use	Loop Repeat	Notes
010	ST	Transaction Set Header	M	1		Must Use
020	B4	Beginning Segment for Inquiry or Reply	M	1		Must Use
030	N9	Reference Identification	O	30		
040	Q2	Status Details (Ocean)	O	1		
050	SG	Shipment Status	O	15		
060	R4	Port or Terminal	M	1	20	Must Use — Loop R4 (loop is mandatory)
070	DTM	Date/Time Reference	O	15	R4	Within Loop R4
080	V9	Event Detail	O	10		
090	SE	Transaction Set Trailer	M	1		Must Use

Note: The N1/N3/N4 party-identification loop referenced elsewhere in this guide is not part of the ANSI X12 004010 315 standard. Positions 050, 070, and 080 belong to SG, DTM (inside the R4 loop), and V9, respectively. The party loop is documented separately as a CONTAX extension (see below).

ISA — Interchange Control Header

ISA — Interchange Control Header

Envelope · Mandatory · Max Use: 1

TABLE 3.1

Purpose	Starts and identifies an interchange of one or more functional groups.
Notes	ISA06 and ISA08 must be exactly 15 characters. ISA13 is 9 digits, zero-padded, and must match IEA02.

TABLE 3.2

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
ISA01	I01	Authorization Information Qualifier	M ID 2/2	00 = No Authorization Information Present
ISA02	I02	Authorization Information	M AN 10/10	Exactly 10 chars; pad with trailing spaces
ISA03	I03	Security Information Qualifier	M ID 2/2	00 = No Security Information Present
ISA04	I04	Security Information	M AN 10/10	Exactly 10 chars; pad with trailing spaces
ISA05	I05	Interchange ID Qualifier (Sender)	M ID 2/2	Valid 4010 qualifier
ISA06	I06	Interchange Sender ID	M AN 15/15	Exactly 15 chars — pad with trailing spaces
ISA07	I05	Interchange ID Qualifier (Receiver)	M ID 2/2	Valid 4010 qualifier
ISA08	I07	Interchange Receiver ID	M AN 15/15	Exactly 15 chars — pad with trailing spaces
ISA09	I08	Interchange Date	M DT 6/6	YYMMDD
ISA10	I09	Interchange Time	M TM 4/4	HHMM
ISA11	I10	Interchange Control Standards Identifier	M ID 1/1	U (fixed)
ISA12	I11	Interchange Control Version Number	M ID 5/5	00401 (fixed)
ISA13	I12	Interchange Control Number	M N0 9/9	9 digits zero-padded. Must match IEA02.
ISA14	I13	Acknowledgment Requested	M ID 1/1	0 = None; 1 = Requested
ISA15	I14	Test Indicator	M ID 1/1	P = Production Data; T = Test Data
ISA16	I15	Subelement Separator	M AN 1/1	Must differ from element separator. '~' reserved for segment terminator.

GS — Functional Group Header

GS — Functional Group Header

Envelope · Mandatory · Max Use: 1

TABLE 4.1

Purpose	Indicates the beginning of a functional group and provides control information.
Notes	GS06 must match GE02.

TABLE 4.2

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
GS01	479	Functional Identifier Code	M ID 2/2	QO = Ocean Shipment Status Information (313, 315)
GS02	142	Application Sender's Code	M AN 2/15	Trading partner sender ID
GS03	124	Application Receiver's Code	M AN 2/15	Trading partner receiver ID
GS04	373	Date	M DT 8/8	CCYYMMDD
GS05	337	Time	M TM 4/8	HHMM, HHMMSS, HHMMSSD, or HHMMSSDD
GS06	28	Group Control Number	M N0 1/9	Must match GE02
GS07	455	Responsible Agency Code	M ID 1/2	X = ASC X12; T = TDCC
GS08	480	Version/Release/Industry Identifier Code	M AN 1/12	004010

ST — Transaction Set Header

ST — Transaction Set Header

Header · Position 010 · Mandatory · Max Use: 1

TABLE 5.1

Purpose	Indicates the start of a transaction set and assigns a control number.
Notes	ST02 must match SE02.

TABLE 5.2

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
ST01	143	Transaction Set Identifier Code	M ID 3/3	315 = Status Details (Ocean)
ST02	329	Transaction Set Control Number	M AN 4/9	Unique within the functional group. Must match SE02.

B4 — Beginning Segment for Inquiry or Reply

B4 — Beginning Segment for Inquiry or Reply

Header · Position 020 · Mandatory · Max Use: 1

TABLE 6.1

Purpose	Transmits identifying numbers, dates, and basic data for the status transaction.
Syntax Note 1	If either B407 or B408 is present, then the other is required.
Syntax Note 2	If either B411 or B412 is present, then the other is required.
Semantic Note 1	B404 is the date of last reported status of cargo.
Semantic Note 2	B405 is the time (HHMM) of last reported status of cargo.

TABLE 6.2

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
B403	157	Shipment Status Code	O ID 1/2	See Appendix A for the CONTAX-supported code list.
B404	373	Date (Last Status)	O DT 8/8	Date of last reported status, CCYYMMDD
B405	161	Status Time	O TM 4/4	Time (HHMM) of last reported status
B406	159	Status Location	O AN 3/5	Airport or terminal code (3–5 chars). For air: if in-flight, origin airport code.
B407	206	Equipment Initial (Container Prefix)	X AN 1/4	Prefix or alphabetic part of equipment unit's identifying number. Required if B408 present.
B408	207	Equipment Number	X AN 1/10	Sequencing or serial part of the equipment unit's identifying number. Required if B407 present.
B409	578	Equipment Status Code	O ID 1/2	E = Empty; L = Load
B410	24	Equipment Type	O ID 4/4	ISO equipment type code (e.g., 42G1 = 40' Standard; 45G1 = 45'; BBLK = Break Bulk; LTCL = LCL/Groupage; RORO = Roll On Roll Off)
B411	310	Location Identifier	X AN 1/30	UNLOCODE or other location code. Required if B412 present.
B412	309	Location Qualifier	X ID 1/2	UN = UNLOCODE. Required if B411 present.
B413	761	Equipment Number Check Digit	O N0 1/1	Check digit applied to the equipment number (ocean only)

N9 — Reference Identification

N9 — Reference Identification

Header · Position 030 · Optional · Max Use: 30

TABLE 7.1

Purpose	Transmits identifying information as specified by the Reference Identification Qualifier (reference numbers associated with the shipment or booking).
Syntax Note 1	At least one of N902 or N903 is required. (X12 rule R0203)
Syntax Note 2	If N906 is present, then N905 is required. (X12 rule C0605)
Semantic Note 1	N906 reflects the time zone which the time in N905 reflects.
Semantic Note 2	N907 (composite Reference Identifier) carries one or more additional qualifier/value reference pairs relating to the reference cited in this segment.
Semantic Note 3	N901 = SCA: N902 contains the SCAC of the interline or third-party carrier. Required for third-party logistics providers.

TABLE 7.2

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
N901	128	Reference Identification Qualifier	M ID 2/3	4F = Carrier Assigned Shipper Number; BM = Bill of Lading; BN = Booking Number; EQ = Equipment Number; P8 = Pickup Reference; PO = Purchase Order; SI = Shipper's Identifying Number; SN = Seal Number; VT = Motor Vehicle ID; SCA = SCAC; RU = Route Number; TT = Terminal Code. Any valid 4010 element 128 qualifier accepted.
N902	127	Reference Identification	X AN 1/30	Reference information as specified by the qualifier. Required if N903 is not present (at least one of N902/N903 required).
N903	369	Free-form Description	X AN 1/45	Free-form descriptive text. Required if N902 is not present.
N904	373	Date	O DT 8/8	CCYYMMDD
N905	337	Time	X TM 4/8	HHMM to HHMMSSDD. Required if N906 present.
N906	623	Time Code	O ID 2/2	Time-zone code per ISO 8601 (P/M substitute for +/-). If present, N905 is required.
N907	C040	Reference Identifier (composite)	O comp	Composite C040. Sub-elements: C040-01 Reference Identification Qualifier (128, M ID 2/3); C040-02 Reference Identification (127, M AN 1/30); C040-03/05 additional Qualifiers (128, X ID 2/3); C040-04/06 additional Reference Identifications (127, X AN 1/30).

Q2 — Status Details (Ocean)

Q2 — Status Details (Ocean)

Header · Position 040 · Optional · Max Use: 1

TABLE 8.1

Purpose	Transmits identifying information relative to identification of vessel, transportation dates, lading quantity, weight, and cube.
Syntax Note 1	If either Q207, Q208, or Q216 are present, then the others are required. (X12 rule P070816)
Syntax Note 2	If Q210 is present, then Q211 is required. (X12 rule C1011)
Syntax Note 3	If either Q214 or Q215 is present, then the other is required. (X12 rule P1415)
Semantic Note 1	Q202 is the code identifying the country in which the ship (vessel) is registered.
Semantic Note 2	Q203 is the required pier date.
Semantic Note 3	Q204 is the date of departure of the vessel.
Semantic Note 4	Q205 is the date the shipment was unloaded from the vessel.

TABLE 8.2

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
Q201	597	Vessel Code	O ID 1/8	Code identifying the vessel
Q202	26	Country Code (Vessel Registry)	O ID 2/3	Country where the vessel is registered
Q203	373	Date (Pier)	O DT 8/8	Pier date, CCYYMMDD (see Semantic Note 2)
Q204	373	Date (Vessel Departure)	O DT 8/8	Date vessel departed, CCYYMMDD
Q205	373	Date (Unloaded)	O DT 8/8	Date shipment was unloaded from vessel, CCYYMMDD
Q206	80	Lading Quantity	O NO 1/7	Number of units of the lading commodity
Q207	81	Weight	X R 1/10	Numeric weight. Required if Q208 or Q216 present.
Q208	187	Weight Qualifier	X ID 1/2	G = Gross Weight. Required if Q207 or Q216 present.
Q209	55	Flight/Voyage Number	O AN 2/10	Voyage designator
Q210	128	Reference Identification Qualifier	O ID 2/3	Code qualifying the reference identification in Q211. If present, Q211 is required.
Q211	127	Reference Identification	X AN 1/30	Reference information as specified by the qualifier in Q210. Required if Q210 present.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
Q212	897	Vessel Code Qualifier	O ID 1/1	L = Lloyd's Register of Shipping
Q213	182	Vessel Name	O AN 2/28	Name of ship as documented in "Lloyd's Register of Ships"
Q214	183	Volume	X R 1/8	Volume value. Required if Q215 present.
Q215	184	Volume Unit Qualifier	X ID 1/1	X = Cubic Meters. Required if Q214 present.
Q216	188	Weight Unit Code	X ID 1/1	K = Kilograms. Required if Q207 or Q208 present.

SG — Shipment Status

SG — Shipment Status

Header · Position 050 · Optional · Max Use: 15

TABLE 9.1

Purpose	To convey the status of a shipment.
Syntax Note 1	At least one of SG01, SG02, or SG03 is required. (X12 rule R010203)
Syntax Note 2	If SG06 is present, then SG05 is required. (X12 rule C0605)

TABLE 9.2

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
SG01	157	Shipment Status Code	X ID 1/2	Code indicating the status of a shipment. See Appendix A. At least one of SG01/SG02/SG03 required.
SG02	641	Status Reason Code	X ID 3/3	Code indicating the status reason. At least one of SG01/SG02/SG03 required.
SG03	35	Disposition Code	X ID 2/2	Code advising the carrier or port authority about postings to a bill of lading. At least one of SG01/SG02/SG03 required.
SG04	373	Date	O DT 8/8	Date expressed as CCYYMMDD
SG05	337	Time	X TM 4/8	HHMM to HHMMSSDD. Required if SG06 present.
SG06	623	Time Code	O ID 2/2	Time-zone code per ISO 8601 (P/M substitute for +/-). If present, SG05 is required.

R4 — Port or Terminal [Loop R4]

R4 — Port or Terminal

Header · Position 060 · Mandatory · Max Use: 1 per loop · Loop R4 repeats up to 20

TABLE 10.1

Purpose	Identifies a contractual or operational port or terminal relevant to the movement of the cargo.
Syntax Note 1	If either R402 or R403 is present, then the other is required.
Comment 1	R4 is required for each port to be identified. The R4 loop is mandatory and must appear at least once.
CONTAX Convention 1	In CONTAX feeds, R401 code 5 is used strictly for Customs events, and codes D , E , L , and R are not provided for Customs events. This is a CONTAX business convention, not an ANSI X12 restriction — see note below the table.

TABLE 10.2

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
R401	115	Port or Terminal Function Code	M ID 1/1	5 = Activity Location (Operational); D = Port of Discharge (Operational); E = Place of Delivery (Contractual); L = Port of Loading (Operational); R = Place of Receipt (Contractual). Other element 115 codes are valid in the standard.
R402	309	Location Qualifier	X ID 1/2	UN = United Nations Location Code (UNLOCODE). Required if R403 present.
R403	310	Location Identifier	X AN 1/30	Code which identifies a specific location. Required if R402 present.
R404	114	Port Name	O AN 2/24	Free-form name for the place at which an offshore carrier originates or terminates
R405	26	Country Code	O ID 2/3	ISO country code
R406	174	Terminal Name	O AN 2/30	Free-form name of the terminal
R407	113	Pier Number	O AN 1/4	Pier number where the vessel is docked
R408	156	State or Province Code	O ID 2/2	Standard state/province code

Standard vs. CONTAX convention for R401 = 5: The base ANSI X12 004010 definition of element 115 code **5** is "Activity Location (Operational) — Place at which the activity being reported is occurring." The standard imposes **no** Customs-only restriction on code **5**, and it does not prohibit codes **D**, **E**, **L**, or **R** for Customs activity. The Customs-only usage documented above is a CONTAX operational convention agreed with trading partners; standard-conformant validators will not enforce it.

DTM — Date/Time Reference [within Loop R4]**DTM — Date/Time Reference [within Loop R4]**

Header · Position 070 · Optional · Max Use: 15

TABLE 11.1

Purpose	Specifies pertinent dates and times for the port or terminal.
Syntax Note 1	At least one of DTM02, DTM03, or DTM05 is required. (X12 rule R020305)
Syntax Note 2	If DTM04 is present, then DTM03 is required. (X12 rule C0403)
Syntax Note 3	If either DTM05 or DTM06 is present, then the other is required. (X12 rule P0506)

TABLE 11.2

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
DTM01	374	Date/Time Qualifier	M ID 3/3	139 = Estimated; 140 = Actual
DTM02	373	Date	X DT 8/8	CCYYMMDD
DTM03	337	Time	X TM 4/8	HHMM to HHMMSSDD
DTM04	623	Time Code	O ID 2/2	Time-zone code per ISO 8601 (P/M substitute for +/-). If present, DTM03 is required.
DTM05	1250	Date Time Period Format Qualifier	X ID 2/3	Code indicating the date/time format used in DTM06. Required if DTM06 present.
DTM06	1251	Date Time Period	X AN 1/35	Expression of a date, a time, or a range of dates/times per the DTM05 format. Required if DTM05 present.

V9 — Event Detail

V9 — Event Detail

Detail · Position 080 · Optional · Max Use: 10

TABLE 12.1

Purpose	To specify information about a specific event.
Syntax Note 1	If either V910 or V911 is present, then the other is required. (X12 rule P1011)
Syntax Note 2	If V913 is present, then V904 is required. (X12 rule C1304)
Syntax Note 3	If V915 is present, then V909 is required. (X12 rule C1509)
Semantic Note 1	V903 is the event date; V904 is the event time.
Semantic Note 2	V913 reflects the time zone which the event time reflects.

TABLE 12.2

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
V901	304	Event Code	M ID 3/3	Code identifying the event about which a report is made
V902	106	Event	O AN 1/25	Free-form description of event
V903	373	Date	O DT 8/8	Event date, CCYYMMDD
V904	337	Time	X TM 4/8	Event time, HHMM to HHMMSSDD. Required if V913 present.
V905	19	City Name	O AN 2/30	Free-form city name
V906	156	State or Province Code	O ID 2/2	Standard state/province code
V907	26	Country Code	O ID 2/3	ISO country code
V908	641	Status Reason Code	O ID 3/3	Code indicating the status reason
V909	154	Standard Point Location Code	X ID 6/9	SPLC of the event shown in V901
V910	380	Quantity	X R 1/15	Length of the time delay expressed in hours. Required if V911 present.
V911	1274	Train Delay Reason Code	X AN 2/2	Code specifying reason for train delay. Required if V910 present.
V912	61	Free-Form Message	O AN 1/30	Free-form information
V913	623	Time Code	O ID 2/2	Time-zone code per ISO 8601 (P/M substitute for +/-). If present, V904 is required.
V914	380	Quantity	O R 1/15	Quantity of fuel in gallons
V915	154	Standard Point Location Code	O ID 6/9	SPLC of the secondary point of the delay. If present, V909 is required.

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
V916	86	Total Equipment	O N0 1/3	Total number of rail cars associated with the event code in V901
V917	86	Total Equipment	O N0 1/3	Total number of loaded cars associated with the event code in V901
V918	86	Total Equipment	O N0 1/3	Total number of empty cars associated with the event code in V901
V919	81	Weight	O R 1/10	Total gross tons of the cars identified in V916
V920	82	Length	O R 1/8	Total outside foot length of the cars identified in V916, rounded to the nearest foot

Note: Rail-oriented elements (V910/V911, V916–V920) are rarely populated in ocean feeds but are part of the standard segment and are documented here for completeness.

SE — Transaction Set Trailer

SE — Transaction Set Trailer

Summary · Position 090 · Mandatory · Max Use: 1

TABLE 13.1

Purpose	Indicates the end of the transaction set and provides the segment count.
Notes	SE01 includes both ST and SE segments in the count. SE02 must equal ST02.

TABLE 13.2

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
SE01	96	Number of Included Segments	M N0 1/10	Total count including ST and SE
SE02	329	Transaction Set Control Number	M AN 4/9	Must equal ST02.

GE — Functional Group Trailer

GE — Functional Group Trailer

Envelope · Mandatory · Max Use: 1

TABLE 14.1

Purpose	Indicates the end of a functional group.
Notes	GE02 must match GS06.

TABLE 14.2

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
GE01	97	Number of Transaction Sets Included	M N0 1/6	Total transaction sets in the functional group
GE02	28	Group Control Number	M N0 1/9	Must match GS06.

IEA — Interchange Control Trailer

IEA — Interchange Control Trailer

Envelope · Mandatory · Max Use: 1

TABLE 15.1

Purpose	Defines the end of the interchange.
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TABLE 15.2

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
IEA01	I16	Number of Included Functional Groups	M N0 1/5	Count of functional groups
IEA02	I12	Interchange Control Number	M N0 9/9	Must match ISA13 exactly. Nine digits, zero-padded.

CONTAX Extension — Party Identification Loop (N1 / N3 / N4)

IMPORTANT — This section describes a CONTAX extension that is beyond the ANSI X12 004010 base standard.

The N1/N3/N4 party-identification loop is **not part of the ANSI X12 004010 315 transaction set**. It is a CONTAX-defined extension, documented separately here so it is not confused with the standard segments that occupy positions 050 (SG), 070 (DTM, inside the R4 loop), and 080 (V9).

Why CONTAX includes it: The base 315 conveys status and event data but has no native carrier for shipper/consignee/bill-to/carrier party identity alongside the status events. CONTAX needs to associate incoming status with the shipment's parties for account routing, notification, and visibility. This loop lets a trading partner carry that party identity in-band with the status feed.

How it is carried (bilateral agreement only): Because these segments are non-standard, they are transmitted **only where a trading-partner agreement explicitly enables the CONTAX extension**. When enabled, CONTAX accepts the N1 loop in the header area following Q2. It carries **no ANSI X12 position number** and must not be confused with the standard positions 050 (SG), 070 (DTM), or 080 (V9). A strict, standard-conformant X12 004010 validator will reject these segments; partners who cannot emit non-standard segments should instead convey party identity out of band. Contact edi-support@contax.com before implementing.

TABLE E.1 — CONTAX EXTENSION LOOP MAP

Ext. Pos.	Seg.	Name	Req.	Max Use	Loop Repeat	Notes
EXT-N1	N1	Name	O	1	10	CONTAX extension — Loop N1 (parties)
EXT-N3	N3	Address Information	O	2	N1	CONTAX extension — within Loop N1
EXT-N4	N4	Geographic Location	O	1	N1	CONTAX extension — within Loop N1

N1 — Name (CONTAX Extension)

CONTAX Extension · Optional · Max Use: 1 per loop · Loop repeats up to 10

TABLE E.2

Purpose	Identifies a party by type of organization, name, and code.
Syntax Note 1	At least one of N102 or N103 is required.
Syntax Note 2	If either N103 or N104 is present, then the other is required.

TABLE E.3

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
N101	98	Entity Identifier Code	M ID 2/3	BT = Bill-to-Party; CA = Carrier; CN = Consignee; SH = Shipper
N102	93	Name	X AN 1/60	Free-form name. Required if N103 absent.
N103	66	Identification Code Qualifier	X ID 1/2	92 = Assigned by Buyer or Buyer's Agent. Required if N104 present.
N104	67	Identification Code	X AN 2/80	Required if N103 present.

N3 — Address Information (CONTAX Extension)

CONTAX Extension · Optional · Max Use: 2 [within Loop N1]

TABLE E.4

Purpose	Specifies the street address of the named party.
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TABLE E.5

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
N301	166	Address Information	M AN 1/55	Address line 1
N302	166	Address Information	O AN 1/55	Address line 2

N4 — Geographic Location (CONTAX Extension)

CONTAX Extension · Optional · Max Use: 1 [within Loop N1]

TABLE E.6

Purpose	Specifies city, state/province, postal code, and country of the named party.
Syntax Note 1	If N406 is present, then N405 is required. (X12 rule C0605)
Comment 1	N402 is required only if city name (N401) is in the U.S. or Canada.

TABLE E.7

Ref. Des.	Data Elem.	Name	Req / Type / Size	Notes & Valid Values
N401	19	City Name	O AN 2/30	Free-form city name
N402	156	State or Province Code	O ID 2/2	Standard state/province code
N403	116	Postal Code	O ID 3/15	International postal zone code
N404	26	Country Code	O ID 2/3	ISO country code
N405	309	Location Qualifier	X ID 1/2	Code identifying type of location. Required if N406 present.
N406	310	Location Identifier	X AN 1/30	Code which identifies a specific location. Required if N405 present.

Note: The N1/N3/N4 element tables above mirror the standard X12 segment definitions; it is only the *presence of this loop in the 315* that is a CONTAX extension.

Appendix A — B403 / SG01 Shipment Status Codes (element 157)

Valid values for the Shipment Status Code (data element 157), used in B403 and SG01. The list below reflects the ANSI X12 004010 element 157 code set. Contact CONTAX EDI support to request support for additional codes.

TABLE A.1

Code	Description
A	Arrived
AE	Loaded on Vessel
AF	Departed Pickup Location
AG	Estimated Delivery
AH	Attempted Delivery
AL	Loaded on Rail
AM	Loaded on Truck
AN	Delivered to Air Carrier
AO	Loaded on Barge
AP	Loaded on Feeder Vessel
AR	Rail Arrival at Destination Intermodal Ramp
AV	Available for Delivery
BF	Booking Confirmed
C	Estimated To Depart Terminal Location
CR	Carrier Release
CT	Customs Released
CU	Carrier and Customs Release
D	Completed Unloading at Delivery Location
E	Estimated to Arrive (En Route)
EE	Empty Equipment Dispatched
I	In-Gate
K	Arrived at Customs
OA	Out-Gate
PA	US Custom Hold, Intensive Examination
RD	Return Container
RL	Rail Departure from Origin Intermodal Ramp

Code	Description
UR	Unloaded from a Rail Car
UV	Unloaded From Vessel
VA	Vessel Arrival
VD	Vessel Departure
X1	Arrived at Delivery Location
X2	Estimated Time of Arrival at Consignee Location
X3	Arrived at Pick-up Location
X4	Arrived at Terminal Location
X5	Arrived at Delivery Location Loading Dock
X6	En Route to Delivery Location
X7	En Route to Pick-up Location
XB	Shipment Acknowledged