Advance Shipping Note (ASN)

ANSI (X12) 856 v3020/4010

Document Change Log

Version	Date	Description
1.0	2011.06.01	Document issued.
1.1	2011.11.14	REF Segment fixed. GA LOU mailbox fixed.
1.2	2011.11.22	Added Measurement Units at SN103. Fixed Saltillo Plasticos-STP Mailbox. Delete PSO. Added ITP.
1.3	2011.12.02	LIN Segment, Mandatory Qualifier "PO" (Purchase Order.)
1.4	2011.12.19	LIN Segment, Fix Tag 350 (Assigned Identification)
1.5	2011.12.23	N1 Segment, Mandatory use Identification Code Qualifier and Identification Code.
1.6	2012.04.16	TD5 (Carrier Details) fields usage change.
2.0	2013.11.15	Removed the list Plant Codes. Referenced to EDI Form
3.0	2015.03.31	New section "Error Codes"
3.1	2015.10.19	ISA and GS information included.
3.2	2017.12.18	GS Segment, update 479 value "SH" MEA Segment, added measure unit LB REF Segment, qualifier "PK" added SN1 Segment, added measure unit EA
3.3	2018.02.23	GS Segment, update 480 value "002002" ISA Segment, update 703 value "00300" to "00307"
3.4	2019.03.05	Packaging Information and examples
3.5	2020.03.13	GS Segment, include 480 value "004010" ISA Segment, include 703 values from "00400" to "00407"
3.6	2020.04.08	BSN, DTM date fields in version 004010 have format CCYYMMDD.
3.7	2021.09.27	CLD:REF serial data added (SE and VT)
3.8	2021.10.29	CLD:REF example fixed for subgroup separator
3.9	2022.03.22	CLD max use and LIN qualifiers
4.0	2022.11.24	REF Segment, Qualifiers BM & PK, Changed the text Usage as Mandatory LIN Segment, Changed the text Usage as Mandatory
4.1	2023.02.07	CLD:REF added "P5" Position Code

1. INTRODUCTION

This document provides the specific description of ANSI(X12) 856 v3020/4010 message.

2. MESSAGE DEFINITION

This document provides the definition of an Advance Shipment Note (ASN) Message, based on the ANSI (X12) 856 v3020/4010, to be used in Electronic Data Interchange (EDI) between a G.A. Operating Company and its Trading Partners.

This documentation is fully comprehensive and allows the implementation of the ANSI (X12) 856 v3020/4010 without the necessity for any additional standard related documentation.

2.1. FUNCTIONAL DEFINITION

The Advance Shipment Note (ASN) is a message from G.A. Supplier to G.A. giving details about material deliveries.
The purpose of the Advance Shipment Note is to provide the final consignee of the goods with detailed information relating
to the actual contents of a dispatch sent by a consignor. The message is based upon the definition of a dispatch as specified amount of goods sent by a specified consignor to a specified consignee on a specific occasion.

2.2. PRINCIPLES

The Advance Shipment Note (ASN) message is intended to:

- To state the actual time for dispatch.

- To provide specific information concerning transportation.

- To specify the actual packages in the dispatch.

- To specify the contents of the dispatch.

- To provide the necessary documentation for customs clearance.

2.3. REFERENCES

The content of this message is based on:

☐ The message structure as defined by ANSI subset of X12 message for despatch advice.

☐ The agreement between the Trading Partners on the data elements to be used, their unique definition, their representation and their values (coded or clear form) as identified in this document.

2.4. FIELD OF APPLICATION

The following definition of an Advance Shipment Note (ASN) Message in ANSI (X12) format is applicable for the interchange of delivery instructions issued by G.A. for material deliveries to one or more G.A. Operations.

3. MESSAGE DESCRIPTION

The 856 v3020/4010 is a message, which is sent from a party who is planning to supply material to G.A. The message gives the details regarding the delivery.

3.1. INTRODUCTION

3.1.1. Basic information Planning Release

3.1.2. Vendor code

The vendor code has been assigned centrally in Antolin SAP system. The different vendor codes have now been reported: each vendor code consists of a maximum five digit base.

3.1.2. The receiving plant / Customer Plant Code

- All Antolin plants are identified by a 3-letters plant-code.

- All data on the release authorisation refer to plant, order and part number!

- The plant must be transmitted in record-type "N1*ST**92*XXX" as a 3-letter code (XXX).

- The supplier code must be transmitted in record-type "N1*SF**92*XXXXXXXXX" as a digits code (XXXXXXXXX).

- It is absolutely essential that in every kind of documentation or data transmission the <u>G.A. plant code, supplier code, Order</u> and the <u>part number</u> are indicated!

3.1.3. Packaging Information

- Packaging information with empty packages is not allowed.

Segment: **ISA** Interchange Control Header
Position: Heading Only
Usage: Mandatory
Max Use: 1
Purpose: To start and identify an interchange of one or more functional groups and interchange related control segments
Sample: ISA~00~   ~00~   ~01~SUPPLIERMAILBOX
~ZZ~GAMAILBOX~110516~2213~U~00300~038613567~0~P~@*

Tag	Field name	Format	Remarks/value	Used
744 (01)	Authorization info. Qualifier	ID…2	"**00**" No authorization information present	M
745 (02)	Authorization Information	AN..10	Blanks	M
746 (03)	Security Information Qualifier	ID…2	"**00**" No security information present	M
747 (04)	Security Information	AN..10	Blanks unless mutually agreed upon	M
704 (05)	Interchange ID Sender Qualifier	ID…2	To be supplied by Trading Partner.	M
705 (06)	Interchange Sender ID	ID..15	To be supplied by Trading Partner	M
704 (07)	Interchange ID Receiver Qualifier	ID…02	To be supplied by GA. **See EDI Form**	M
706 (08)	Interchange Receiver ID	ID..15	To be supplied by GA. **See EDI Form**	M
373 (09)	Date	DT…06	Current Date: YYMMDD	M
337 (10)	Time	TM..04	Current Time: HHMM	M
726 (11)	Interchange Standards Identifier	ID…01	"**U**" American National Standards (X12)	M
703 (12)	Interchange Version ID	ID…05	"**00300**" to "**00307**" "**00400**" to "**00407**"	M
709 (13)	Interchange Control Number	NO…09	This number identifies interchange data to sender	M
749 (14)	Acknowledgement	ID…01	"**0**" No Acknowledgement requested	M
748 (15)	Test Indicator	AN…01	"**P**" Production Data	M
701 (16)	Sub-element Separator	AN…01	Hex 7E @	M

Segment: **GS** Functional Group Header
Position: Heading Only
Usage: Mandatory
Max Use: 1
Purpose: Starts and identifies a functional group of related transaction sets and provides control and application identification information
Sample: v3020: GS~SH~GAMAILBOX~SUPPLIERMAILBOX~110516~2213~1~X~003020*
v4010: GS~SH~GAMAILBOX~SUPPLIERMAILBOX~**20**110516~2213~1~X~004010*

Tag	Field name	Format	Remarks/value	Used
479 (01)	Functional ID	ID…02	"**SH**" Ship Notice/Manifest	M
142 (02)	Applications Sender's Code	ID…12	To be supplied by Trading Partner	M
124 (03)	Application Receiver's Code	ID…12	To be supplied by GA. **See EDI Form**	M
29 (04)	Data Interchange Date	DT…06 DT…08	Date when transaction sets generated: v3020 **– YYMMDD** v4010 **– YYYYMMDD**	M
30 (05)	Data Interchange Time	TM…04	24-hour clock time when transaction set generated: HHMM	M
28 (06)	Data Interchange Control Number	NO…09	Sequentially assigned by Sender	M
455 (07)	Responsible Agency Code	NO…02	"**X**" American National Standards (X12)	M
480 (08)	Version	ID…12	"**003020**", "**004010**"	M

Segment: **ST** Transaction Set Header
Position: 010
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Sample: ST*856*000000015

Tag	Field name	Format	Remarks/value	Used
143	Transaction Set Identifier Code	AN…3	"**856**"	M
329	Transaction Set Control Number	AN…9	i.e. "000000015"	M
0035	Test Indicator	N…1	**1** = Test	C

Segment: **BSN** Beginning Segment for Ship Notice
Position: 0020
Group:
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction
Sample: v3020: BSN*00*00272246*101028*1412
v4010: BSN*00*00272246***20**101028*1412

Tag	Field name	Format	Remarks/value	Used
353	Transaction Set Purpose Code	AN..2	"**00**" Original "**01**" Cancellation "**05**" Replace "**08**" Status(Arrival) "**12**" Not processed	M
396	Shipment Identification	AN…11		M
373	Date	DT…06 DT…08	ASN Creation Date. v3020 – **YYMMDD** v4010 – **CCYYMMDD**	M
337	Time	AN…4	Time (HHMM)	M

Segment: **DTM** Date/Time/Period
Position: 0040
Group:
Usage: Mandatory
Max Use: 10
Purpose: To specify pertinent dates and times
Sample: v3020: DTM*011*101028*1412*CD
DTM*017*101028*1412*CD
V4010: DTM*017***20**101028*1412*CD
DTM*017***20**101028*1412*CD

Tag	Field name	Format	Remarks/value	Used
374	Date/Time Qualifier	AN…3	"**011**" Shipped	M
			"**017**" Estimated Delivery	M
373	Date	DT…06 DT…08	Date v3020 – **YYMMDD** v4010 – **CCYYMMDD**	M
337	Time	AN…4	Time (HHMM)	M
623	Time Code	AN…2	i.e. **CD** (Central Daylight Time)	O

Segment: # HL Hierarchical Level

Position: 0050
Group:
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data
Sample: HL*1**S

Tag	Field name	Format	Remarks/value	Used
628	Hierarchical ID Number	AN…6	Incremented by "**1**" in each subsequent HL	M
734	Hierarchical Parent ID Number	AN…6	The ID number of the parent HL segment	O
735	Hierarchical Level Code	AN…2	"**S**" Shipment	M

Segment: # MEA Measurements

Position: 0060
Group: HL Mandatory
Usage: Optional
Max Use: 40
Purpose: To specify physical measurements, including dimension tolerances, weights and counts
Sample: MEA*PD*G*3464*LB

Tag	Field name	Format	Remarks/value	Used
737	Measurement Reference ID Code	AN..2	"**PD**" Physical Dimensions	M
738	Measurement Qualifier	AN…3	"**G**" Gross Weight	M
739	Measurement Value	AN..10		M
355	Unit or Basis for Measurement Code	AN..2	"**KG**" Kilogram "**PB**" Pound "**LB**" Pound	M

Segment: **MEA** **Measurements**
Position: 0060
Group: HL Mandatory
Usage: Optional
Max Use: 40
Purpose: To specify physical measurements, including dimension tolerances, weights and counts
Sample: MEA*PD*T*3190*LB

Tag	Field name	Format	Remarks/value	Used
737	Measurement Reference ID Code	AN..2	"**PD**" Physical Dimensions	M
738	Measurement Qualifier	AN…3	"**T**" Tare Weight	M
739	Measurement Value	AN..10		M
355	Unit or Basis for Measurement Code	AN..2	"**KG**" Kilogram "**PB**" Pound "**LB**" Pound	M

Segment: **TD1** **Carrier Details (Quantity and Weight)**
Position: 0190
Group: HL Mandatory
Usage: Optional
Max Use: 20
Purpose: To specify the transportation details relative to commodity, weight, and quantity
Sample: TD1*CTN90*9

Tag	Field name	Format	Remarks/value	Used
103	Packaging Code	AN..5		M
80	Lading Quantity	AN..7		M

Segment: **TD5** Carrier Details (Routing Sequence/Transit Time)
Position: 0160
Group: HL Mandatory
Usage: Optional
Max Use: 12
Purpose: To specify the carrier and sequence of routing and provide transit time information
Sample: TD5*B*92*UPSG*M

Tag	Field name	Format	Remarks/value	Used
133	Routing Sequence Code	AN..2	"**B**" Origin/Delivery Carrier	M
66	Identification Code Qualifier	AN…2	i.e."**92**" Assigned by Buyer	O
67	Identification Code	AN…4		M
91	Transportation Method /Type Code	AN…2	i.e. "**M**" Motor	M

Segment: **TD3** Carrier Details (Equipment)
Position: 0170
Group: HL Mandatory
Usage: Optional
Max Use: 12
Purpose: To specify transportation details relating to the equipment used by the carrier
Sample: TD3*TL**136132

Tag	Field name	Format	Remarks/value	Used
40	Equipment Description Code	AN..2	i.e. **TL** = Trailer	M
206	Equipment Initial	AN…4		O
207	Equipment Number	AN…7		O

Segment: **REF** Reference Numbers

Position: 0190
Group: HL Mandatory
Usage: Mandatory
Max Use: 200
Purpose: To specify identifying numbers
Sample: REF*BM*00136132

Tag	Field name	Format	Remarks/value	Used
128	Reference Number Qualifier	AN…2	"**BM**" Bill of Landing Number	M
127	Reference Number	AN..30		M
352	Description	AN..80		O

Segment: **REF** Reference Numbers

Position: 0190
Group: HL Mandatory
Usage: Mandatory
Max Use: 200
Purpose: To specify identifying numbers
Sample: REF*PK*17429

Tag	Field name	Format	Remarks/value	Used
128	Reference Number Qualifier	AN…2	"**PK**" Packaging List Number	M
127	Reference Number	AN..30		M
352	Description	AN..80		O

Segment: **N1** Name

Position: 0260
Group: N1 (Optional)
Usage: Mandatory
Max Use: 4
Purpose: To identify a party by type of organization, name, and code
Sample: N1*SF**92*XXXXXXXX (GA Supplier Code)
N1*ST**92*XXX (GA Plant Code)

Tag	Field name	Format	Remarks/value	Used
98	Entity Identifier Code	AN…2	"**SF**" Ship From	M
			"**ST**" Ship To	M
			"**IC**" Consignee	O
			"**SU**" Supplier	O
93	Name	AN..35		O
66	Identification Code Qualifier	AN…2	"**92**" Assigned by Buyer.	M
67	Identification Code	AN..17		M

Segment: **HL** Hierarchical Level

Position: 0050
Group:
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data
Sample: HL*1**I

Tag	Field name	Format	Remarks/value	Used
628	Hierarchical ID Number	AN…6	Incremented by "1" in each subsequent HL.	M
734	Hierarchical Parent ID Number	AN…6	The ID number of the parent HL segment.	O
735	Hierarchical Level Code	AN…2	"**I**" Item.	M

Segment: **LIN** Item Identification
Position: 0060
Group: HL Mandatory
Usage: Mandatory
Max Use: As Specified in ANSI ASC X12 Standard
Purpose: To specify basic item identification data
Sample: LIN**BP*156025570*PO*860305

Tag	Field name	Format	Remarks/value	Used
350	Assigned Identification	AN...6		O
235	Product/Service ID Qualifier	AN...2	"**BP**" Buyer Part Number.	M
234	Product/Service ID	AN..30		M
235	Product/Service ID Qualifier	AN...2	"**PO**" Purchase Order.	M
234	Product/Service ID	AN..30		M
235	Product/Service ID Qualifier	AN...2	Any qualifier allowed by normative, such as "**RC**" Returnable Container No. "**EC**" Engineering change No.	O
234	Product/Service ID	AN..30		O
235	Product/Service ID Qualifier	AN...2		O
234	Product/Service ID	AN..30		O
235	Product/Service ID Qualifier	AN...2		O
234	Product/Service ID	AN..30		O
235	Product/Service ID Qualifier	AN...2		O
234	Product/Service ID	AN..30		O
235	Product/Service ID Qualifier	AN...2		O
234	Product/Service ID	AN..30		O
235	Product/Service ID Qualifier	AN...2		O
234	Product/Service ID	AN..30		O
235	Product/Service ID Qualifier	AN...2		O
234	Product/Service ID	AN..30		O
235	Product/Service ID Qualifier	AN...2		O
234	Product/Service ID	AN..30		O
235	Product/Service ID Qualifier	AN...2		O
234	Product/Service ID	AN..30		O
235	Product/Service ID Qualifier	AN...2		O
234	Product/Service ID	AN..30		O
235	Product/Service ID Qualifier	AN...2		O
234	Product/Service ID	AN..30		O
235	Product/Service ID Qualifier	AN...2		O
234	Product/Service ID	AN..30		O

Segment: **SN1** Item Detail (Shipment)

Position: 0070
Group: HL Mandatory
Usage: Mandatory
Max Use: 1
Purpose: To specify line-item detail relative to shipment
Sample: SN1**3600*PC*264000

Tag	Field name	Format	Remarks/value	Used
350	Assigned Identification	AN..6		O
382	Number of Units Shipped	AN..7		M
355	Unit or Basis for Measurement Code	AN..2	Same as received in release 830. For instance: PC Pieces EA Each YD Yard LB Pounds MR Meters KG Kilograms LT Liters RL Rolls IN Inches FT Foots GA Gallons SM Square Meters GR Grams ML Milliliters CA Case BX Box PK Packet (No pack) DZ Dozen PR Pair	M
646	Quantity Shipped to Date	AN..9		O
330	Quantity Ordered	AN..9		O
355	Unit or Basis for Measurement Code	AN..2		O

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Segment: **CLD** Load Detail

Position: 0210
Group: CLD Conditional
Usage: Conditional (Mandatory if packaging required)
Max Use: 100
Purpose: To specify the number of material loads shipped
Sample: CLD*3*1200*CTN90

Tag	Field name	Format	Remarks/value	Used
622	Number of Loads	AN…5		M
382	Number of Units Shipped	AN…7		M
103	Packaging Code	AN…5		O

Segment: **REF** Reference Numbers

Position: 0190
Group: CLD Conditional
Usage: Conditional (Mandatory if packaging required)
Max Use: 200
Purpose: To specify identifying numbers.
Sample: REF*LS*2431716
REF*LS*2431716**SE@123456@VT@VIN987654321@P5@TEST01

Tag	Field name	Format	Remarks/value	Used
128	Reference Number Qualifier	AN…2	"LS" Bar-Coded Serial Number	M
127	Reference Number	AN..30		M
352	Description	AN..80		O
128	Reference Number Qualifier	AN..2	"SE" Serial Number	O
127	Reference Number	AN..30		O
128	Reference Number Qualifier	AN..2	"VT" Motor Vehicle ID Number	O
127	Reference Number	AN..30		O
128	Reference Number Qualifier	AN..2	"97" Package Number or "P5" Position Code	O
127	Reference Number	AN..30		O

Segment: **CTT** Transaction Tools
Position: 0370
Group:
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Sample: CTT*5*16000

Tag	Field name	Format	Remarks/value	Used
354	Number of Line Items	N…6		M
347	Hash Total	AN..10		O

Segment: **SE** Transaction Ser Trailer
Position: 0380
Group:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted
Sample: SE*41*000689015

Tag	Field name	Format	Remarks/value	Used
96	Number of Included Segments	N…6		M
329	Transaction Set Control Number	AN…9		M

Segment: **GE** **Functional Group Trailer (END)**
Position: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of a functional group and provide control information
Sample: GE~1~1 **CR**

Tag	Field name	Format	Remarks/value	Used
97 (01)	Number of included Transaction Sets	NO…06	Total number of transactions sets included.	M
28 (02)	Data Interchange Control Number	NO…09	Sequential number that must match GS(06).	M

Segment: **IEA** **Interchange Control Trailer**
Position: Summary
Usage: Mandatory
Max Use: 1
Purpose: Defines the end of an interchange of one or more functional groups and interchange related control segments
Sample: IEA~1~038613567 **CR**

Tag	Field name	Format	Remarks/value	Used
405 (01)	Number of Included Groups	NO…05	Count of the number of Functional Groups included in a transmission.	M
709 (02)	Interchange Control Number	NO…09	Together with ISA(13) this number assigned by Customer identifies interchange data to supplier. This number should be used for Audit trails.	M

4.1 SAMPLE INTERCHANGE (NO PACKAGING: Level 0):

```
ISA*00*             *00*             *01*ZZZZZZZZ        *01*GA132713012
*101028*1512*U*00300*000093941*0*P*>
GS*SH*ZZZZZZZZ*GA132713012*101028*1512*95833*X*003020
ST*856*000000015
BSN*00*00272246*101028*1412
DTM*011*101028*1412*CD
DTM*017*101030*1500*CD
HL*1**S
MEA*PD*G*84*LB
MEA*PD*T*80*LB
TD1*12345*1
TD5*B*92*UPSG*M
TD3*TL**136132
REF*BM*00136132
REF*PK*00272246
N1*SF**92*10096
N1*ST**92*MCH
HL*2*1*I
LIN**BP*156025570*PO*860305
SN1**3600*PC*264000
HL*3*1*I
LIN**BP*186016140*PO*860305
SN1**5000*PC*10000
CTT*5*16000
SE*22*000000015
GE*1*95833
IEA*1*000093941
```

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4.2 SAMPLE INTERCHANGE (PACKAGING: Level 1):
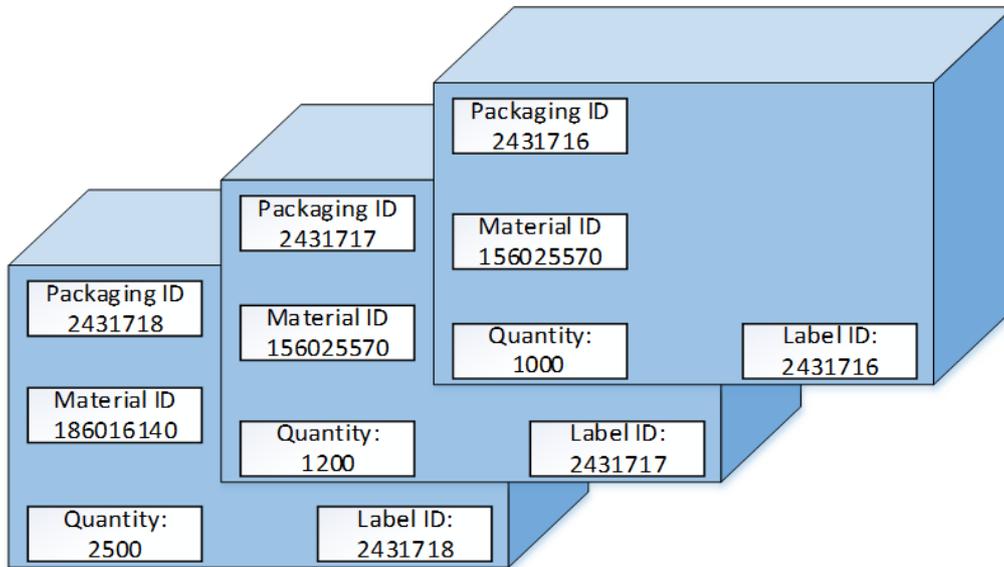

```
ISA*00*          *00*          *01*ZZZZZZZZ        *01*GA132713012
*101028*1512*U*00400*000093941*0*P*>
GS*SH*ZZZZZZZZ*GA132713012*20101028*1512*95833*X*004010
ST*856*000000015
BSN*00*00272246*20101028*1412
DTM*011*20101028*1412*CD
DTM*017*20101030*1500*CD
HL*1**S
MEA*PD*G*84*LB
MEA*PD*T*80*LB
TD1*CTN90*3
TD5*B*92*UPSG*M
TD3*TL**136132
REF*BM*00136132
REF*PK*00272246
N1*SF**92*10096
N1*ST**92*MCH
HL*2*1*I
LIN**BP*156025570*PO*860305
SN1**2200*PC*264000
CLD*1*1200*CTN90
REF*LS*2431717
CLD*1*1000*CTN90
REF*LS*2431716
HL*3*1*I
LIN**BP*186016140*PO*860305
SN1**2500*PC*10000
CLD*1*2500*CTN90
REF*LS*2431718
CTT*5*16000
SE*27*000000015
GE*1*95833
IEA*1*000093941
```

ANTOLIN PLANT CODES

(See EDI Communications Supplier Form)

ERROR CODES:

As part of the EDI process receiving ASNs, all the messages will be analyzed checking the structure integrity and data, in order to validate the content matching with Antolin requirements specified in this guideline.
In case of any error, the EDI Systems automatically will send a notification by mail to the supplier detailing the problem found, then the supplier will need to fix the error and resend the message.

Following are the Error Codes:

Segment Position / Field Tag	Error	Description
ISA Authorization Information Qualifier	ISA Authorization Information Qualifier Missing	Should be included due is a mandatory field.
ISA Security Information Qualifier	ISA Security Information Qualifier Missing	Should be included due is a mandatory field.
ISA Interchange Sender ID Qualifier Agency	ISA Interchange Sender ID Qualifier Agency Missing	Should be included due is a mandatory field.
ISA Interchange Sender ID	ISA Interchange Sender ID Missing	Should be included due is a mandatory field.
ISA Interchange Receiver ID Qualifier Agency	ISA Interchange Receiver ID Qualifier Agency Missing	Should be included due is a mandatory field.
ISA Interchange Receiver ID	ISA Interchange Receiver ID Missing	Should be included due is a mandatory field.
ISA Interchange Date	ISA Interchange Date Missing	Should be included due is a mandatory field.
ISA Interchange Time	ISA Interchange Time Missing	Should be included due is a mandatory field.
ISA Interchange Control Version Number	ISA Interchange Control Version Number Missing	Should be included due is a mandatory field.
ISA Interchange Control Number	ISA Interchange Control Number Missing	Should be included due is a mandatory field.
GS Functional Identifier Code	GS Functional Identifier Code Missing	Should be included due is a mandatory field.
GS Application Sender's Code	GS Application Sender's Code Missing	Should be included due is a mandatory field.
GS Application Receiver's Code	GS Application Receiver's Code Missing	Should be included due is a mandatory field.
GS Application Receiver's Code	EDI Mailbox (ISA-GS) and Plant Code (N1*ST) do not match	The values in ISA Interchange Receiver ID, GS Application Receiver Code and N1*ST (Ship To) does not match with the required values. See GA EDI Form.

Segment Position / Field Tag	Error	Description
GS Date	GS Date Missing	Should be included due is a mandatory field.
GS Date	Incorrect (ISA Interchange Control Version Number) for (GS Date) Size=6	(ISA Interchange Control Version Number) value defines what will be (GS Date) format. ISA-INT-CTRL-VERSION >= "00400" : GS Date (YYYYMMDD)
GS Date	Incorrect (ISA Interchange Control Version Number) for (GS Date) Size=8	(ISA Interchange Control Version Number) value defines what will be (GS Date) format. ISA-INT-CTRL-VERSION < "00400" : GS Date (YYMMDD)
GS Time	GS Time Missing	Should be included due is a mandatory field.
GS Group Control Number	GS Group Control Number Missing	Should be included due is a mandatory field.
GS Responsible Agency Code	GS Responsible Agency Code Missing	Should be included due is a mandatory field.
GS Version, Release, Industry Identifier Code	GS Version, Release, Industry Identifier Code Missing	Should be included due is a mandatory field.
ST Transaction Set Identifier Code (Pos:010, Tag:143)	ST Transaction Set Identifier Code (Pos:010, Tag:143) Missing	Should be included due is a mandatory field.
ST Transaction Set Control Number(Pos:010, Tag:329)	ST Transaction Set Control Number(Pos:010, Tag:329) Missing	Should be included due is a mandatory field.
BSN Transaction Set Purpose Code (Pos:0020, Tag:353)	BSN Transaction Set Purpose Code (Pos:0020, Tag:353) Missing	Should be included due is a mandatory field.
BSN Shipment Identification(Pos:0020, Tag:396)	BSN Shipment Identification(Pos:0020, Tag:396) Missing	Should be included due is a mandatory field.
BSN Date(Pos:0020, Tag:373)	BSN Date(Pos:0020, Tag:373) Missing	Should be included due is a mandatory field.
BSN Time(Pos:0020, Tag:337)	BSN Time(Pos:0020, Tag:337) Missing	Should be included due is a mandatory field.
DTM Date/Time Qualifier (Pos:0040, Tag:374)	DTM Date/Time Qualifier (Pos:0040, Tag:374) Missing	Should be included due is a mandatory field.

Segment Position / Field Tag	Error	Description
DTM Date(Pos:0040, Tag:373)	DTM Date(Pos:0040, Tag:373) Missing	Should be included due is a mandatory field.
DTM Time(Pos:0040, Tag:337)	DTM Time(Pos:0040, Tag:337) Missing	Should be included due is a mandatory field.
Segment DTM Qualifier '011'(Pos:0040, Tag:374)	Segment DTM Qualifier '011'(Pos:0040, Tag:374) Missing	Segment DTM, Qualifier '011' (Shipped) should be included due is mandatory
DTM Date(Pos:0040, Tag:373)	Incorrect Date format for TM Qualifier '011' Segment, maximum size (6) (YYMMDD) (Pos:0040, Tag:373)	Incorrect Date value format. Should be YYMMDD
Segment DTM Qualifier '017'(Pos:0040, Tag:374)	Segment DTM Qualifier '017' (Pos:0040, Tag:374) Missing	Segment DTM, Qualifier '017' (Estimated) should be included due is mandatory
DTM Date(Pos:0040, Tag:373)	Incorrect Date format for TM Qualifier '017' Segment, maximum size (6) (YYMMDD) (Pos:0040, Tag:373)	Incorrect Date value format. Should be YYMMDD
HL Hierarchical ID Number(Pos:0050, Tag:628)	HL Hierarchical ID Number (Pos:0050, Tag:628) Missing	Should be included due is a mandatory field.
HL Hierarchical Level Code (Pos:0050, Tag:735)	HL Hierarchical Level Code (Pos:0050, Tag:735) Missing	Should be included due is a mandatory field.
TD1 Packaging Code (Pos:0190, Tag:103)	TD1 Packaging Code (Pos:0190, Tag:103) Missing	Segment TD1 is Optional but if is included should have the mandatory fields.
TD1 Lading Quantity(Pos:0190, Tag:80)	TD1 Lading Quantity(Pos:0190, Tag:80) Missing	Segment TD1 is Optional but if is included should have the mandatory fields.
TD5 Identification Code (Pos:0060, Tag:235)	TD5 Identification Code (Pos:0060, Tag:235) Missing	Segment TD5 is Optional but if is included should have the mandatory fields.

Segment Position / Field Tag	Error	Description
TD5 Transportation Method/Type Code (Pos:0160, Tag:91)	TD5 Transportation Method/Type Code (Pos:0160, Tag:91)) value not valid	A Air AE Air Express B Barge BP Book Postal BU Bus C Consolidation CE Customer Pickup / Customer's Expens D Parcel Post E Expedited Truck H Customer Pickup I Common Irregular Carrier J Motor K Backhaul L Contract Carrier LT Less Than Trailer Load (LTL) M Motor (Common Carrier) N Private Vessel O Containerized Ocean P Private Carrier PC Pooled Piggyback: Outbound shipment PT Pooled Truck Q Conventional Ocean R Rail S Ocean SR Supplier Truck SS Steamship T Best Way (Shippers Option) TC Cab (Taxi) U Private Parcel Service VE Vessel, Ocean W Inland Waterway X Intermodal (Piggyback)
TD5 Transportation Method/Type Code (Pos:0160, Tag:91)	TD5 Transportation Method/Type Code (Pos:0160, Tag:91) missing	Segment TD5 is Optional but if is included should have the mandatory fields.
TD3 Equipment Description Code (Pos:0170, Tag:40)	TD3 Equipment Description Code (Pos:0170, Tag:40) Missing	Segment TD3 is Optional but if is included should have the mandatory fields.
TD3 Equipment Description Code (Pos:0170, Tag:40)	TD3 Equipment Description Code (Pos:0170, Tag:40)) value not valid	20 20 ft. IL Container (Open Top) 2B 20 ft. IL Container (Closed Top) 40 40 ft. IL Container (Open Top) 4B 40 ft. IL Container (Closed Top) AC Closed Container AF Air Freight (Break Bulk) AT Closed Container (Controlled Temper) BC Covered Barge BG Bogie BO Barge Open BR Barge BX Boxcar

Segment Position / Field Tag	Error	Description
		CA Caboose
		CB Chassis, Gooseneck
		CC Container resting on a Chassis
		CG Container, Tank (Gas)
		CH Chassis
		CI Container, Insulated
		CJ Container, Insulated / Ventilated
		CK Container, Heated / Insulated / Ventilated
		CL Container (Closed Top – Length Unsp
		CM Container, Open-Sided
		CN Container
		CO Containerized (Closed-Top)
		CP Coil Car Open
		CQ Container, Tank (Food Grade-Liquid)
		CR Coil-Car Covered
		CS Container-Low Side Open Top
		CT Container-High Side Open Top
		CU Container (Open Top – Length Unspecified)
		CV Closed Van
		CW Container, Tank (Chemicals)
		CX Refrigerated Container
		DT Drop Back Trailer
		DX Boxcar, Damage Free Equipped
		FH Flat Bed Trailer with Headboards
		FN Flat Bed Trailer with No Headboards
		FR Flat Bed Trailer – Removable Sides
		FT Flat Bed Trailer
		FX Boxcar Cushion Under Frame OF
		HC Hopper Car (Covered)
		HO Hopper Car (Open)
		HP Hopper Car (Covered; Pneumatic Disc)
		HV High Cube Van
		ID Idler Car
		IX Boxcar (Insulated)
		LU Load/unload Device on Equipment
		NX Boxcar (Interior Bulkheads)
		OB Ocean Vessel (Break Bulk)
		OT Open-top/flatbed trailer
		OV Open Top Van
		PT Protected Trailer
		PU Pick-up Truck
		RC Refrigerated (Reefer) Car
		RE Flat Car (End Bulkheads)
		RF Flat Car
		RG Gondola Covered
		RI Gondola Car (Covered –Interior Bul)
		RO Gondola Car (Open)

Segment Position / Field Tag	Error	Description
		RR Rail Car
		RT Controlled Temperature Trailer (Ree
		SC Service Car
		SK Stack Car
		ST Removable Side Trailer
		SV Van - Special Inside Length, Width
		TA Trailer, Heated/Insulated/Ventilate
		TB Trailer, Boat
		TC Trailer, Car
		TF Trailer, Dry Freight
		TG Trailer, Tank (Gas)
		TH Truck, Open Top High Side
		TI Trailer, Insulated
		TJ Trailer, Tank (Chemicals)
		TK Trailer, Tank (Food Grade-Liquid)
		TL Trailer (not otherwise specified)
		TM Trailer, Insulated/Ventilated
		TO Truck, Open Top
		TR Tractor
		TT Telescoping Trailer
		TU Truck, Open Top Low Side
		TV Truck, Van
		UL Unit Load Device (ULD)
		UX Unit Load Device (ULD)
		VC Vessel, Ocean
		VE Vessel, Ocean
		VL Vessel, Lake
		VO Vessel, Lake
		VR Vessel, Ocean, Rollon-Rolloff
		VS Vessel, Ocean, Lash
		VT Vessel, Ocean, Containership
N1 Identification Code (Pos:0260, Tag:67)	N1 Ship From(SF) (Pos:0260, Tag:98): Identification Code (Pos:0260, Tag:67)	It is mandatory to include segment N1, Qualifier 'SF' (Ship From) a value in Identification Code field
N1 Identification Code (Pos:0260, Tag:67)	N1 Ship From(SF) (Pos:0260, Tag:98): Identification Code (Pos:0260, Tag:67) Incorrect Value	Identification Code should have a correct value. This value should be equal or less than 5 digits length and be the supplier code sent in message X12 830.
N1 Identification Code (Pos:0260, Tag:67)	N1 Ship From(SF) (Pos:0260, Tag:98): Identification Code (Pos:0260, Tag:67) Not Numeric	Identification Code should have a correct value. This value should be numeric, equal or less than 5 digits length and be the supplier code sent in message X12 830.

Segment Position / Field Tag	Error	Description
N1 Identification Code (Pos:0260, Tag:67)	N1 Ship To(SF) (Pos:0260, Tag:98): Identification Code (Pos:0260, Tag:67)	It is mandatory to include segment N1, Qualifier 'ST' (Ship To) a value in Identification Code field
N1 Identification Code (Pos:0260, Tag:67)	GA (N1 Ship To(ST) (Pos:0260, Tag:98):Identification Code (Pos:0260, Tag:67) Plant Code unknown	Identification Code should have a correct value. This value should be valid Antolin Plant Code sent in message X12 830.
LIN Product/Service ID Qualifier (Pos:0060, Tag:235)	LIN Product/Service ID Qualifier (Pos:0060, Tag:235) Missing Value (BP)	Should be included due is a mandatory field. Value "BP" Buyer Part Number
LIN Product/Service ID(Pos:0060, Tag:234)	LIN Product/Service ID (Pos:0060, Tag:234) Missing	Should be included due is a mandatory field.
LIN Product/Service ID Qualifier (Pos:0060, Tag:235)	LIN Product/Service ID Pos:0060, Tag:235) Missing Value (PO)	Should be included due is a mandatory field. Value "PO" Purchase Order
LIN Product/Service ID(Pos:0060, Tag:234)	LIN Product/Service ID(Pos:0060, Tag:234) Missing	Should be included due is a mandatory field.
CLD Number of Loads(Pos:0210, Tag:622)	CLD Number of Loads (Pos:0210, Tag:622) Missing	Segment CLD is Optional but if is included should have the mandatory fields.
CLD Number of Units Shipped(Pos:0210, Tag:382)	CLD Number of Units Shipped (Pos:0210, Tag:382) Missing	Segment CLD is Optional but if is included should have the mandatory fields.
N1 Entity Identifier Code (Pos:0260, Tag:98)	N1 Entity Identifier Code (Pos:0260, Tag:98) Missing	Should be included due is a mandatory field.
CTT Number of Line Items (Pos:0370, Tag:354)	CTT Number of Line Items (Pos:0370, Tag:354) Missing	Should be included due is a mandatory field.
BGM Document/Message Name (Coded) (Pos:0020, Tag:1001)	BGM Document/Message Name (Coded) (Pos:0020, Tag:1001)Missing	Should be included due is a mandatory field.
BGM Document/Message Number(Pos:0020, Tag:1004)	BGM Document/Message Number (Pos:0020, Tag:1004)Missing	Should be included due is a mandatory field.
DTM+132 (Pos:0030)	Segment DTM(132) (Pos:0030) Missing	Should be included due is a mandatory segment.
DTM+132 Date/time/Period Qualifier (Pos:0030, Tag:2005)	DTM Date/time/Period Qualifier (Pos:0030, Tag:2005) Missing	Should be included due is a mandatory field. Value "132"

Segment Position / Field Tag	Error	Description
DTM+132 DTM Date/time/Period (Pos:0030, Tag:2380)	DTM Date/time/Period (Pos:0030, Tag:2380) Missing	Should be included due is a mandatory field.
DTM+132 Date/time/Period Format Qualifier (Pos:0030, Tag:2379)	DTM Date/time/Period Format Qualifier (Pos:0030, Tag:2379) Missing	Should be included due is a mandatory field.
DTM+132 (Date/Time/Period: Pos:0030,Tag 2380)	DTM(132) (Pos:0030 2380) Incorrect DateTime	Incorrect format value
LOC+11 (Place/Location Identification: Pos:0060,Tag 3225)	LOC(11) (Pos:0060, Tag:3225) Plant Code unknown	Antolin Plant code not valid. Should be a valid code. See GA EDI form what are the valid code.
RFF+ADE (Pos:0070,Tag:1154)	RFF(ADE) (Pos:0070, Tag:1154) Supplier Code Missing	When in segment NAD+SE has other value, which not informs GA Supplier Code, then RFF+ADE is mandatory to include the supplier code in Tag 1154.
RFF+ADE(Pos:0070, Tag:1154)	RFF(ADE) (Pos:0070, Tag:1154) Incorrect Supplier Code	The value does not match with a valid Supplier number due is greater than 5 digits. Should be used the same value included in message DELFORD96A (RFF+ADE)
RFF+ON (Reference Number: Pos:0220,Tag 1154)	RFF(ON) (Pos:0220, Tag:1154) Document Reference Missing	It is mandatory to send the "Order Number"