Shape Corp EDI and Labeling Guidelines

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Introduction

This document enables the supplier to control their process and save time by limiting back and forth with Shape Corp's EDI and Labeling support.

Guidelines Included:
- The header and the structure of EDI message (X12 standard compliance)
- The data coherence between the EDI message, and the AIAG container labels
- The structure of the AIAG label combined with Shape Corp's unique labeling requirements

For EDI on-boarding, it is asked to the suppliers to check each item and to record the results in the forms below. This completed form should be submitted by each supplier as part of the EDI on-boarding process (EDI message and labels).

When submitting this form to Shape Corp, the following documents will be required:
- One email message to ediadmin@shapecorp.com containing…
    (1) One completed copy of the Supplier EDI & Labeling Guidelines document.
    (2) One text only version of the test ASN
    (3) Two shipping label examples from the test shipment
- One traditional test ASN message transmission via the established EDI communication channel

Please note; **this is not an EDI specification document**. Rather, this document is intended serve as an EDI and labeling guideline for suppliers. As described above, this document is also used to verify EDI readiness before a supplier is approved for EDI.
For the convenience of our suppliers, we have made our EDI specification documents available on our website at www.shapecorp.com.

SECTION 1 - TO BE COMPLETED BY THE SUPPLIER

Supplier Name: _____

Supplier Contact: _____

Contact Number: _____

Contact E-Mail: _____

2. Checking the ASN

2.1 Introduction

The table below lists the fields to control in the 856 message. When submitting this form for EDI testing, please write **"OK"** or **"NOK"** in the corresponding cell. In case of "NOK", explain the precise reason in the "Remarks" column.

The column **"Mandatory Y/N"** indicates the mandatory data. In some cases, suppliers may be required to submit non-mandatory data in the ASN. Shape Corp reserves the right to require non-mandatory elements on a case by case basis.

Example
Within the "ISA", the following data must be present:
- The supplier's EDI identifier
- Shape's EDI identifier
- The file (interchange) date
- The interchange number (associated with the IEA segment)

2.2 Segments Description and Sequence

Text in blue indicates Shape's specific requirements

856 Segments		Mandatory Y/N	Conform OK/NOK		Remarks
			Supp	**Shape**	
Header					
ISA	Supplier's EDI Identifier	Y			
	Shape's EDI identifier	Y			
	File Date	Y			
	Interchange Number, to match with IEA	Y			
	For testing ISA-15 must be equal to 'T', For production ISA-15 must be equal to	Y			
GS	Message number (to match with GE) **Message/ Document version: 004010**	Y			
BSN	Shipper Number **BSN01 must be equal to '00'**	Y			
	Date must match ISA and BSN	Y			
DTM*011	Delivery Shipping Date	Y			
	Date expressed as CCYYMMDD Time expressed as HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD	Y			

856 Segments		Mandatory Y/N	Conform OK/NOK		Remarks
			Supp	**Shape**	
MEA*WT*G	Gross or total weight, unit: LB or KG = sum of gross weights of all UM	Y			
MEA*WT*N	Net weight, unit: LB or = sum of net weights of all UM	Optional			
TD1	Packaging type TD1-02 = Number of packages of the type specified in TD1-01	Y			
TD5	Carrier details SCAC / Transportation Method	Y			
TD3	Carrier details Equipment Description Code / Equipment Number	Y			
N1*ST**	Ship to location Transmitted on N1*ST line 04 of 830	Y			
N1*SF**	Ship from location Transmitted on N1*SF line 04 of 830	Y			
Loop Segments					
HL	HL-03 must equal 'T' for master/mixed serial numbers	Conditional			
	Item level HL-02 must equal Tare level HL-01 for any containers on the related master/mixed label	Conditional			
LIN**BP	LIN-03 = Shape part number Transmitted on LIN line 03 of 830	Y			
	LIN-07 = Engineering Change Level Transmitted on LIN line 05 of 830	Y			
CLD	CLD-01 = Number of following REF*LS segments	Y			
	CLD-02 = Number of pcs defined by each following REF*LS segment	Y			
PRF	Purchase Order Number	Y			
REF	Container Identification Number (serial number) matches between ASN and label	Y			
	REF*LS-02 Container Serial Number Must be unique	Y			
	Serial numbers must use the predefined three character supplier prefix. Example: If prefix is XYZ and supplier's internal serial number is 123456, serial number should be XYZ123456.	Y			
	One REF*LS segment for each container defined by the proceeding CLD segment	Y			
	Master/mixed serial numbers not longer than 10 characters	Conditional			
	REF*HC-02 = Heat Number	Conditional			
SE	SE-01 = Number of lines between and including ST and SE SE-02 = ST-02	Y			
GE	Transaction counter to match GS	Y			
IEA	Interchange Number, to match with ISA	Y			

3. Checking the AIAG container label

3.1 Introduction

Shape Corp asks its suppliers to use standard 4 x 6 AIAG container labels. All labels must meet the standard as provided in AIAG B-10 Trading Partner Label definition dated 5/95.

In most cases, Shape requires container labels for each container unit. Different label formats may be discussed and agreed upon in advance with Shape Corp logistics. If the use of master or mixed labels has been arranged, the corresponding label test forms will need to be filled out as well. (See pages 7 and 8)

It is recommended that suppliers test using standard AIAG formatted labels.

Shape may grant concessions allowing the supplier to use a different label format other than what is specified in this document if needed or required by our customers. If a subcontract supplier ships directly to our end customer, the end customer's labeling requirements apply.

Data below corresponds to Shape Corp's requirements and are thus more restrictive than the AIAG standard.

Each lot serial number may be used no more than once. Serial numbers must be alphanumeric (no spaces).

3.2 Example Label

3.3 Labeling Field Descriptions

The tables below list out the fields to control on the AIAG Container Label.

For supplier EDI testing, write **"OK"** or **"NOK"** in the corresponding cell. In case of "NOK", explain the precise reason in the "Remarks" column.
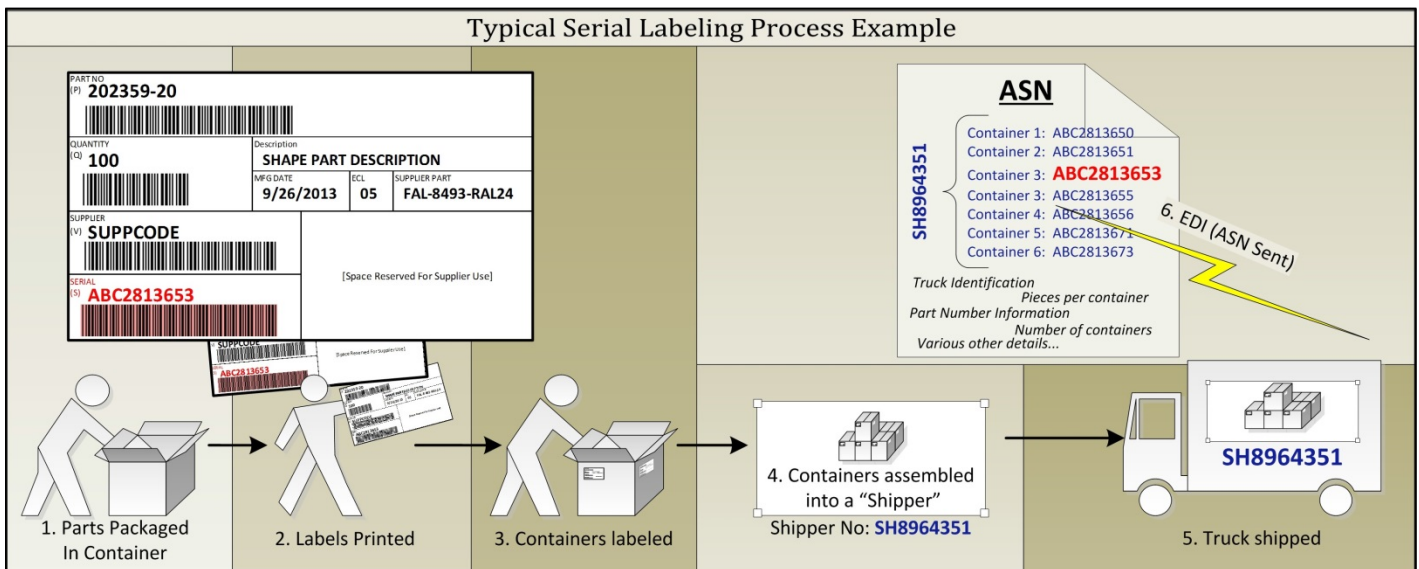
The column **"Mandatory Y/N"** indicates the mandatory data. In some cases, suppliers may be required to submit non-mandatory data in the ASN. Shape Corp reserves the right to require non-mandatory elements on a case by case basis

For **component** shipments and shipments that do not contain raw materials, the labels must contain the following information:

Container Shipping Labels							
Field Description		**Bar Code Mandatory** Y / N	**Bar Code Prefix**	**Bar Code Format**	**Text Mandatory** Y / N	**Conform OK/NOK** Supp	Shape	**Remarks**
Supplier Name		No			Optional			
Supplier Address		No			Optional			
Supplier Code		Optional	V	3 of 9	Optional			
Part Number	856 LIN-03	**Yes**	P	3 of 9	**Yes**			
PartRevision	830 LIN-05 856 LIN-07	No			**Yes**			
Part Description *Item description from Purchase Order*	830 PID-05	No			**Yes**			
Quantity	856 CLD-02	**Yes**	Q	3 of 9	**Yes**			
Lot/Serial Number	856 REF-02	**Yes**	S	3 of 9	**Yes**			
Shipper Number	856 BSN-02	Optional			Optional			
Date **Must be Manufacturing Date or Shipping Date**	856 DTM*011 *When ship date is used*	No			**Yes**			
Destination Location **Ship-to Address**	830 N1*ST-01, N3, N4	No			Optional			

For **raw material** shipments such as steel coils and resin, the labels must contain the following information:

Field Description	Bar Code Mandatory Y / N	Bar Code Prefix	Bar Code Format	Text Mandatory Y / N	Conform OK/NOK Supp	Conform OK/NOK Shape	Remarks
Supplier Name		No			Optional		
Supplier Address		No			Optional		
Supplier Code		Optional	V	3 of 9	Optional		
Part Number	856 LIN-03	**Yes**	**P**	**3 of 9**	**Yes**		
PartRevision	856/830 LIN-05	No			**Yes**		
Part Description Item description from Purchase Order	830 PID-05	No			**Yes**		
Actual Weight	856 CLD-02	**Yes**	**2Q**	**3 of 9**	**Yes**		
Lot/Serial Number	856 REF-02	**Yes**	**S**	**3 of 9**	**Yes**		
Heat Number	856 REF*HC-02	**Yes**	**1T**	**3 of 9**	**Yes**		
Shipper Number	856 BSN-02	Optional			Optional		
Date Must be Manufacturing Date or Shipping Date	856 DTM*011 *When ship date is used*	No			**Yes**		
Destination Location Ship-to Address	830 N1*ST-01, N3, N4	No			Optional		

Typical Serial Labeling Process Example

MASTER LABEL		
PART NO (P) **202359-20**		**Nb. of Containers: 10**
[barcode]		
QUANTITY (Q) **100**	**Description** **SHAPE PART DESCRIPTION**	
[barcode]	**MFG DATE** **9/26/2013** / **Rev** **05** / **SUPPLIER PART** **FAL-8493-RAL24**	
SUPPLIER (V) **SUPPCODE** [barcode]	[Space Reserved For Supplier Use]	
SERIAL (S) **ABC2813653** [barcode]		

Master Shipping Labels							
Field Description		**Bar Code Mandatory** Y / N	**Bar Code Prefix**	**Bar Code Format**	**Text Mandatory** Y / N	**Conform OK/NOK** Supp / Shape	**Remarks**
"Master Label" Heading		No			**Yes**		
Supplier Name		No			Optional		
Supplier Address		No			Optional		
Supplier Code		Optional	V	3 of 9	Optional		
Part Number	856 LIN-03	**Yes**	P	3 of 9	**Yes**		
PartRevision	830 LIN-05 856 LIN-07	No			**Yes**		
Part Description Item description from Purchase Order	830 PID-05	No			**Yes**		
Quantity	856 CLD-02	**Yes**	Q	3 of 9	**Yes**		
Number of Containers		No			**Yes**		
Lot/Serial Number	856 REF-02	**Yes**	S	3 of 9	**Yes**		
Shipper Number	856 BSN-02	Optional			Optional		
Date Must be Manufacturing Date or Shipping Date	856 DTM*011 *When ship date is used*	No			**Yes**		
Destination Location Ship-to Address	830 N1*ST-01, N3, N4	No			Optional		

MIXED LABEL		
PART NO (P)	**Nb. of Containers: 10**	
QUANTITY (Q) **100**	Description	
	MFG DATE **9/26/2013**	Rev	SUPPLIER PART
SUPPLIER (V) **SUPPCODE**	[Space Reserved For Supplier Use]	
SERIAL (S) **ABC2813653**		

Mixed Shipping Labels							
Field Description	Bar Code Mandatory Y / N	Bar Code Prefix	Bar Code Format	Text Mandatory Y / N	Conform OK/NOK Supp	Shape	Remarks
"Mixed Label" Heading	No			**Yes**			
Supplier Name	No			Optional			
Supplier Address	No			Optional			
Supplier Code	Optional	V	3 of 9	Optional			
Part Number	856 LIN-03	Optional	P	3 of 9	Optional			
PartRevision	830 LIN-05 856 LIN-07	No			Optional			
Part Description Item description from Purchase Order	830 PID-05	No			Optional			
Quantity	856 CLD-02	**Yes**	Q	**3 of 9**	**Yes**			
Number of Containers		No			**Yes**			
Lot/Serial Number	856 REF-02	**Yes**	S	**3 of 9**	**Yes**			
Shipper Number	856 BSN-02	Optional			Optional			
Date Must be Manufacturing Date or Shipping Date	856 DTM*011 *When ship date is used*	No			**Yes**			
Destination Location Ship-to Address	830 N1*ST-01, N3, N4	No			Optional			