



EDI GUIDELINES

ADVANCE SHIP NOTICE / MANIFEST 856

VERSION 4010

BLACKHAWK NETWORK's 856 GUIDELINES

GLOSSARY OF TERMS

Segment:	Consists of a segment identifier, one or more data element each preceded by an element separator, and ending with a terminator (X12.6).	
Seg. Use:	Denotes if the segment is mandatory or optional for Blackhawk Network.	
Reference Description:	Identifies the segment and the data element sequence number.	
Data Element Number:	This is the number assigned to the data element. This number may be used for direct reference into the ANSI X12 Data Dictionary.	
Data Element Name:	This is the description assigned to the data element.	
Element Usage:	M - Mandatory	Blackhawk Network requires this element.
	O - Optional	This element can be used.
	C - Conditional	The data element can be used only if other elements are used within the segment.

BLACKHAWK NETWORK's FUNCTIONAL ACKNOWLEDGEMENT

- For inbound transactions, Blackhawk Network sends a 997 upon receipt. The trading partner is expected to verify the receipt of the 997 within a week of transmission or otherwise contact Blackhawk Network when the 997 is missing.
- Blackhawk Network considers acknowledgment complete when the trading partner receives the AK1 and AK9 segments.

BLACKHAWK NETWORK's 856 GUIDELINES

Envelope and Group

Segment	Segment Name	Seg. Use	Max Use	Loop Repeat
ISA	Interchange Control Header	M	1	
GS	Functional Group Header	M	1	

Header

Segment	Segment Name	Seg. Use	Max Use	Loop Repeat
ST	Transaction Set Header	M	1	
BSN	Beginning Segment for Ship Notice	M	1	

Detail - Shipment

Segment	Segment Name	Seg. Use	Max Use	Loop Repeat
	Loop ID – HL			200000
HL	Hierarchical Level - Shipment	M	1	
TD1	Carrier Details (Quantity and Weight)	M	20	
TD5	Carrier Details (Routing Sequence)	M	12	
REF	Reference Numbers	M	>1	
DTM	Date/Time Reference	M	10	
	Loop ID – HL/N1			200
N1	Name	M	1	
N2	Additional Name	O	1	
N3	Address Information	M	1	
N4	Geographic Location	M	1	

Detail - Order

Segment	Segment Name	Seg. Use	Max Use	Loop Repeat
	Loop ID – HL			200000
HL	Hierarchical Level - Order	M	1	
PRF	Purchase Order Reference	M	1	
TD1	Carrier Details (Quantity and Weight)	M	20	
	Loop ID – HL/N1			200
N1	Name	M	1	
N2	Additional Name	O	1	
N3	Address Information	M	1	
N4	Geographic Location	M	1	

Detail - Pack

Segment	Segment Name	Seg. Use	Max Use	Loop Repeat
	Loop ID – HL			200000
HL	Hierarchical Level - Pack	M	1	
MAN	Marks and Numbers	M	>1	

BLACKHAWK NETWORK's 856 GUIDELINES

Detail - Item

Segment	Segment Name	Seg. Use	Max Use	Loop Repeat
	Loop ID - HL			200000
HL	Hierarchical Level - Item	M	1	
LIN	Item Identification	M	1	

Summary

Segment	Segment Name	Seg. Use	Max Use	Loop Repeat
CTT	Transaction Totals	M	1	
SE	Transaction Set Trailer	M	1	

Envelope and Group

Segment	Segment Name	Seg. Use	Max Use	Loop Repeat
GE	Functional Group Trailer	M	1	
IEA	Interchange Control Trailer	M	1	

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: ISA - Interchange Control Header
Level: Envelope
Blackhawk Network
Usage: Mandatory
Purpose: To start and identify a transmission for a partner.

Example of Segment: ISA*00* *00* *01*012345678 *ZZ*BHNETWORK
 *130416*0648*U*00401*000000850*0*P*:~

Ref. Des.	Data Element	Name	Element Usage
ISA01	101	Authorization Information Qualifier 00 No authorization information present.	M
ISA02	102	Authorization Information This field will be blank.	M
ISA03	103	Security Information Qualifier 00 No authorization information present.	M
ISA04	104	Security Information This field will be blank.	M
ISA05	105	Interchange ID Qualifier Blackhawk Network supports all valid codes.	M
ISA06	106	Interchange Sender ID The value in this field depends upon the code used in the ISA05.	M
ISA07	105	Blackhawk Network's Interchange ID Qualifier "ZZ"	M
ISA08	107	Blackhawk Network's Interchange Receiver ID BHNETWORK – for Production BHNETWORK– for Test	M
ISA09	108	Date The format is YYMMDD	M

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: ISA - Interchange Control Header (Continued)
Level: Envelope
Blackhawk Network
Usage: Mandatory
Purpose: To start and identify a transmission for a partner.

Example of Segment: ISA*00* *00* *01*012345678 *ZZ*BHNETWORK
 *130416*0648*U*00401*000000850*0*P*:~

Ref. Des.	Data Element	Name	Element Usage
ISA10	109	Time The time that the interchange was created in vendor's system. The format is HHMM (24 Hr.)	M
ISA11	110	Interchange Standards Identifier U U.S. EDI community of X12	M
ISA12	111	Interchange Version ID 00401 Version 4010	M
ISA13	112	Interchange Control Number This value is sequentially assigned by the vendor starting with the number "1" for each trading partner. The value entered in this field will match the value in the Interchange Control Number field on the Interchange Control Trailer (IEA02).	M
ISA14	113	Acknowledgment Requested 0 No acknowledgment requested.	M
ISA15	114	Test Indicator T Test Data P Production Data	M
ISA16	115	Sub-element Separator : The value identified for retail use.	M

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: GS - Functional Group Header
Level: Group
Blackhawk Network
Usage: Mandatory
Purpose: Indicates the beginning of a functional group and provides control information.

Example of Segment: GS*SH*012345678*BHNETWORK*20130416*0648*850*X*004010~

Ref. Des.	Data Element	Name	Element Usage
GS01	479	Functional ID SH Ship Notice / Manifest (856)	M
GS02	142	Application Sender's Code This is the same code as used in the (ISA06).	M
GS03	124	Blackhawk Network's Application Receiver's Code BHNETWORK – for Production BHNETWORK – for Test	M
GS04	373	Data Interchange Date The format is CCYYMMDD	M
GS05	337	Data Interchange Time The time that the interchange was created in the vendor's system. The format is HHMM (24 Hr.)	M
GS06	28	Data Interchange Control Number	M
GS07	455	Responsible Agency Code X Accredited standards committee X12.	M
GS08	480	Version 004010	M

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: ST - Transaction Set Header
Level: Header
Blackhawk Network
Usage: Mandatory
Purpose: To indicate the start of a transaction set and to assign a control number.

Example of Segment: ST*856*0001~

Ref. Des.	Data Element	Name	Element Usage
ST01	143	Transaction Set Identifier Code 856 This is the code that identifies the transaction as a ship notice.	M
ST02	329	Transaction Set Control Number This value is sequentially assigned by the trading partner. The value entered in this field will match the one in the Transaction Set Trailer Record (SE02).	M

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: BSN - Beginning Segment for Ship Notice
Level: Header
Blackhawk Network
Usage: Mandatory
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set.

Example of Segment: BSN*00*661325*20130416*0648*0001~

Ref. Des.	Data Element	Name	Element Usage
BSN01	353	Transaction Set Purpose Code 00 Original	M
BSN02	396	Shipment Identification A unique control number assigned by the original shipper to identify a specific shipment.	M
BSN03	373	Date The date the shipment transaction is created. The format is CCYYMMDD	M
BSN04	337	Time The time the shipment transaction is created. The format is HHMM (24 Hr.)	M
BSN05	1005	Hierarchical Structure Code 0001 Shipment, Order, Packaging, Item Pick and Pack Structure	M

BLACKHAWK NETWORK SEGMENT USAGE COMMENTS

- The number in the BS02 must be unique for each ASN sent to Blackhawk Network. Duplicate numbers will be rejected.

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: HL Hierarchical Level
Level: Detail - Shipment
Loop: HL
Blackhawk Network
Usage: Mandatory
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments
 .
Example of Segment: HL*1**S~

Ref. Des.	Data Element	Name	Element Usage
HL01	628	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure. The value for this level (shipment) is 1.	M
HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure S Shipment	M

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: TD1 Carrier Details (Quantity and Weight)
Level: Detail - Shipment
Loop: HL
Blackhawk Network
Usage: Mandatory
Purpose: To specify the transportation details relative to commodity, weight, and quantity

Example of Segment: TD1*CTN25*1****G*4*LB~

Ref. Des.	Data Element	Name	Element Usage
TD101	103	Packaging Code Part 1 BAG Bag CTN Carton Part 2 01 Aluminum 25 Corrugated or Solid 31 Fibre 58 Metal 76 Paper 79 Plastic 94 Wood	M
TD102	80	Lading Quantity Number of packages in the shipment	M
TD106	187	Weight Qualifier G Gross Weight	M
TD107	81	Weight Numeric value	C
TD108	355	Unit or Basis for Measurement Code LB Pounds	C

BLACKHAWK NETWORK SEGMENT USAGE COMMENTS

- The TD101 element has two 'parts' to the value. Both are required.

- Providing the total weight of the shipment is preferred. When sending the TD107 value, the TD108 value must also be sent. This is true when sending the TD108 – the TD107 value must also be sent.

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: TD5 Carrier Details (Routing Sequence)
Level: Detail - Shipment
Loop: HL
Blackhawk Network
Usage: Mandatory
Purpose: To specify the carrier and sequence of routing

Example of Segment: TD5*B*2*UPSG*U*UPS GROUND~

Ref. Des.	Data Element	Name	Element Usage
TD501	133	Routing Sequence Code B Origin/Delivery Carrier (Any Mode) O Origin Carrier (Air, Motor, or Ocean)	M
TD502	66	Identification Code Qualifier 2 Standard Carrier Alpha Code (SCAC)	M
TD503	67	Identification Code SCAC code	M
TD504	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment A Air AE Air Express BU Bus C Consolidation CE Customer Pickup Customer's Expense D Parcel Post E Expedited Truck H Customer Pickup L Contract Carrier M Motor (Common Carrier) R Rail S Ocean T Best Way (Shippers Option) U Private Parcel Service	M
TD505	387	Routing Free-form description of the routing or carrier identity	O

BLACKHAWK NETWORK SEGMENT USAGE COMMENTS

- If a small package carrier is used, the TD504 should contain the 'U' or Private Parcel Service code.

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: REF Reference Identification
Level: Detail - Shipment
Loop: HL
Blackhawk Network
Usage: Mandatory
Purpose: To specify identifying information

Example of Segment: REF*BM*661325~

Ref. Des.	Data Element	Name	Element Usage
REF01	128	Reference Identification Qualifier BM Bill of Lading Number CN Carriers Reference Number (PRO/Invoice)	M
REF02	127	Reference Identification Number associated with ID qualifier	M

BLACKHAWK NETWORK SEGMENT USAGE COMMENTS

- The Bill of Lading Number or 'BM' must be sent with each shipment except for consolidator shipments.
- The Carriers Reference Number (PRO/Invoice) is used for any small package shipments. When shipping several small packages to the same location, the Blackhawk Network business systems 'preferred' a single ASN transmission containing the small packages.

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: DTM Date/Time References
Level: Detail - Shipment
Loop: HL
Blackhawk Network
Usage: Mandatory
Purpose: To specify ship dates.

Example of Segment: DTM*011*20130416~
 DTM*067*20130416~

Ref. Des.	Data Element	Name	Element Usage
DTM01	374	Date/Time Qualifier 011 Shipped 067 Current Schedule Delivery	M
DTM02	373	Date Format is CCYYMMDD	M

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: N1 Name
Level: Detail - Shipment
Loop: HL/N1
Blackhawk Network
Usage: Mandatory
Purpose: To identify a party by type of organization, name, and code

Example of Segment: N1*ST**92*6189516800001~
 N1*ST**9*0001~

Ref. Des.	Data Element	Name	Element Usage
N101	98	Entity Identifier Code ST Ship To	M
N102	93	Name Free-form Vendor Name	O
N103	66	Identification Code Qualifier 9 DUNS with 4-character suffix (Blackhawk Network's DUNS # 61-895-1680) 92 Assigned by Blackhawk Network	M
N104	67	Identification Code The 4-digit number transmitted will indicate either a store or distribution center location. This is used when the N103 value = '92'. When using the DUNS value, the 4 digit number is attached at the end of the DUNS value and the N103 = '9'. When the N103 = '9' this field must contain the Blackhawk Network's DUNS + four digit location code. When the N103 = '92' this field must contain a valid four digit Blackhawk Network location code for either a store or distribution center location.	M

BLACKHAWK NETWORK SEGMENT USAGE COMMENTS

It is the responsibility of the trading partner to maintain the physical address associated to each location code as well as the relationship of each store with each of the distribution centers.

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: N2 – Additional Name Information
Level: Detail - Shipment
Blackhawk Network
Usage: Optional
Purpose: To specify additional names or those longer than 35 characters in length.

Ref. Des.	Data Element	Name	Element Usage
N201	93	Name Free-form name	O
N202	93	Name Free-form name	

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: N3 -Address Information
Level: Detail - Shipment
Blackhawk Network
Usage: Optional
Purpose: To specify the location of the named party

Ref. Des.	Data Element	Name	Element Usage
N301	166	Address information Address information	M
N302	166	Address information Address information	O

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: N4 – Geographic Location
Level: Detail - Shipment
Blackhawk Network
Usage: Optional
Purpose: To specify the geographic place of the named party

Ref. Des.	Data Element	Name	Element Usage
N401	19	City Name Free-form text for city name	M
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	M
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	M
N404	26	Country Code Code identifying the country	O

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: HL Hierarchical Level
Level: Detail - Order
Loop: HL
Blackhawk Network Usage: Mandatory
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments
Example of Segment: HL*2*1*O~

Ref. Des.	Data Element	Name	Element Usage
HL01	628	Hierarchical ID Number The HL01 shall contain a unique number for each occurrence of the HL segment in the transaction set	M
HL02	734	Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	M
HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure O Order	M

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: PRF Purchase Order Reference
Level: Detail - Order
Loop: HL
Blackhawk Network
Usage: Mandatory
Purpose: To provide reference to a specific purchase order

Example of Segment: PRF*003456789~

Ref. Des.	Data Element	Name	Element Usage
PRF01	324	Purchase Order Number Blackhawk Network's purchase order number	M

BLACKHAWK NETWORK SEGMENT USAGE COMMENTS

- The purchase order number used should be the same number that was sent on Blackhawk Network's order.
- Non-purchase order number vendors will be given special instructions for order numbers to be used.
- Please do not send free-form text in this field; i.e. Test Order and avoid sending any special symbols such as an asterisk (*) or greater than (>).

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: TD1 Carrier Details (Quantity and Weight)
Level: Detail - Order
Loop: HL
Blackhawk Network
Usage: Mandatory
Purpose: To specify the transportation details relative to commodity, weight, and quantity

Example of Segment: TD1*CTN25*1~

Ref. Des.	Data Element	Name	Element Usage
TD101	103	Packaging Code Part 1 BAG Bag CTN Carton Part 2 01 Aluminum 25 Corrugated or Solid 31 Fibre 58 Metal 76 Paper 79 Plastic 91 Stainless Steel 94 Wood	M
TD102	80	Lading Quantity Number of packages in the order	M

BLACKHAWK NETWORK SEGMENT USAGE COMMENTS

- The TD101 element has two 'parts' to the value. Both are required.

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: N1 Name
Level: Detail - Shipment
Loop: HL/N1
Blackhawk Network
Usage: Mandatory
Purpose: To identify a party by type of organization, name, and code

Example of Segment: N1*Sf**92*6189516800001~
 N1*Sf**9*0001~

Ref. Des.	Data Element	Name	Element Usage
N101	98	Entity Identifier Code SF Ship To	M
N102	93	Name Free-form Vendor Name	O
N103	66	Identification Code Qualifier 9 DUNS with 4-character suffix (Blackhawk Network's DUNS # 61-895-1680) 92 Assigned by Blackhawk Network	M
N104	67	Identification Code The 4-digit number transmitted will indicate either a store or distribution center location. This is used when the N103 value = '92'. When using the DUNS value, the 4 digit number is attached at the end of the DUNS value and the N103 = '9'. When the N103 = '9' this field must contain the Blackhawk Network's DUNS + four digit location code. When the N103 = '92' this field must contain a valid four digit Blackhawk Network location code for either a store or distribution center location.	M

BLACKHAWK NETWORK SEGMENT USAGE COMMENTS

It is the responsibility of the trading partner to maintain the physical address associated to each location code as well as the relationship of each store with each of the distribution centers.

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: N2 – Additional Name Information
Level: Detail - Shipment
Blackhawk Network
Usage: Optional
Purpose: To specify additional names or those longer than 35 characters in length.

Ref. Des.	Data Element	Name	Element Usage
N201	93	Name Free-form name	O
N202	93	Name Free-form name	

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: N3 -Address Information
Level: Detail - Shipment
Blackhawk Network
Usage: Optional
Purpose: To specify the location of the named party

Ref. Des.	Data Element	Name	Element Usage
N301	166	Address information Address information	M
N302	166	Address information Address information	O

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: N4 – Geographic Location
Level: Detail - Shipment
Blackhawk Network
Usage: Optional
Purpose: To specify the geographic place of the named party

Ref. Des.	Data Element	Name	Element Usage
N401	19	City Name Free-form text for city name	M
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	M
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	M
N404	26	Country Code Code identifying the country	O

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: HL Hierarchical Level
Level: Detail - Pack
Loop: HL
Blackhawk Network Usage: Mandatory
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments
 .
Example of Segment: HL*3*2*P~

Ref. Des.	Data Element	Name	Element Usage
HL01	628	Hierarchical ID Number The HL01 shall contain a unique number for each occurrence of the HL segment in the transaction set	M
HL02	734	Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	M
HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure P Pack	M

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: MAN Marks and Numbers
Level: Detail - Pack
Loop: HL
Blackhawk Network
Usage: Mandatory
Purpose: To indicate identifying marks and numbers for shipping containers
 .
Example of Segment: MAN*GM*00000867740008775483~

Ref. Des.	Data Element	Name	Element Usage
MAN01	88	Marks and Numbers Qualifier CP Carrier-Assigned Package ID Number GM SSCC-18 and Application Identifier (20 digit) UC U.P.C. Shipping Container Code (14 digit) UP U.P.C. Consumer Package Code (1-5-5-1)	M
MAN02	87	Marks and Numbers Marks and numbers used to identify a shipment or parts of a shipment	M

BLACKHAWK NETWORK SEGMENT USAGE COMMENTS

- Our system requires the GM qualifier and corresponding 20 digit value to be sent. Should your company ship smaller items in a carton to contain the product and no Carton UPC would be available, please contact the Distribution Center for options to shipping.
- The 20-digit ID number in element MAN02 should not be duplicated.

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: HL Hierarchical Level
Level: Detail - Item
Loop: HL
Blackhawk Network
Usage: Mandatory
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments
 .
Example of Segment: HL*4*3*I~

Ref. Des.	Data Element	Name	Element Usage
HL01	628	Hierarchical ID Number The HL01 shall contain a unique number for each occurrence of the HL segment in the transaction set	M
HL02	734	Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	M
HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure I Item	M

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: LIN Item Identification
Level: Detail - Item
Loop: HL
Blackhawk Network
Usage: Mandatory
Purpose: To specify basic item identification data
 .
Example of Segment: LIN**CB*75099028*UP*555774359780~

Ref. Des.	Data Element	Name	Element Usage
LIN02	235	Product/Service ID Qualifier CB Buyer's Catalog Number (8 digit) UP U.P.C. Consumer Package Code (1-5-5-1)	M
LIN03	234	Product/Service ID Identification number for a product	M

BLACKHAWK NETWORK SEGMENT USAGE COMMENTS

- Blackhawk Network requires, at minimum, the CB or SKU qualifier and the corresponding SKU value in its ASN transmissions. Since this information is required on the carton label, Blackhawk Network requires the information in the ASN.
- The UP qualifier and corresponding value may be sent in addition to the SKU to identify an item.
- The LIN elements can be repeated as often as necessary.

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: SN1 Item Detail (Shipment)
Level: Detail - Item
Loop: HL
Blackhawk Network
Usage: Mandatory
Purpose: To specify line-item detail relative to shipment
 .
Example of Segment: SN1**6*EA~

Ref. Des.	Data Element	Name	Element Usage
SN102	382	Number of Units Shipped	M
SN103	355	Unit or Basis for Measurement Code EA Each	M

BLACKHAWK NETWORK SEGMENT USAGE COMMENTS

- This segment is used to specify the total number of items shipped in the carton on which the UCC128 label is placed. Should this item be shipped in multiple cartons, the SN102 will represent the number of items shipped on each particular carton and NOT the sum of the items shipped in the order.
- Blackhawk Network must have the units in 'eaches'.
- Should the shipment contain display or a 'pre pack' assortment of goods, the quantity that would be reflected in the number of units shipped would be equal to the number of displays or pre packs ordered. Should your company send the number of components in each pre pack as the number of units shipped, chargebacks will be assessed for incorrectly reporting the quantity of items in the carton. For further information on how to work with Displays or pre packed goods, please review the document "**Display Packs**" which can be found on our website.

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: CTT Transaction Totals
Level: Summary
Blackhawk Network
Usage: Mandatory
Purpose: To provide total line items to validate transaction completeness and correctness.
Example of Segment: CTT*19~

Ref. Des.	Data Element	Name	Element Usage
CTT01	354	Number of Line Items Total number of HL segments present in the transaction set.	M

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: SE - Transaction Set Trailer
Level: Summary
Blackhawk Network
Usage: Mandatory
Purpose: To indicate the end of the transaction set and to provide the count of the segments transmitted within the transaction set.

Example of Segment: SE*81*0001~

Ref. Des.	Data Element	Name	Element Usage
SE01	96	Number of Included Segments The total number of segments included in a transaction set including the ST and SE segments	M
SE02	329	Transaction Set Control Number The identifying transaction set control number. This must be the same number as in the ST02.	M

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: GE - Functional Control Trailer
Level: Group
Blackhawk Network
Usage: Mandatory
Purpose: Indicates the end of a functional group and provides control information.

Example of Segment: GE*2*850~

Ref. Des.	Data Element	Name	Element Usage
GE01	97	Number of Included Transaction Sets This field represents the number of transaction sets (ST/SE) included in the functional group (GS/GE).	M
GE02	28	Data Interchange Control Number This must be the same number that was entered in the (GS06) field for the group.	M

BLACKHAWK NETWORK's 856 GUIDELINES

Segment: IEA - Interchange Control Trailer
Level: Envelope
Blackhawk Network
Usage: Mandatory
Purpose: To define the end of an interchange for a partner and to provide control information.

Example of Segment: IEA*1*000000850~

Ref. Des.	Data Element	Name	Element Usage
IEA01	116	Number of Included Groups This field represents the number of GS segments within the transmission.	M
IEA02	112	Interchange Control Number The number in this field must match the one in the ISA segment (ISA13).	M

BLACKHAWK NETWORK's 856 GUIDELINES

Example of an 856 ASN data using the 'pick n pack' structure shipping directly to the stores:

```
ISA*00*      *00*      *01*012345678  *ZZ*BHNETWORK
*130416*0648*U*00401*000000850*0*P*::~~
GS*SH*012345678*BHNETWORK*20130416*0648*850*X*004010~
ST*856*0001~
BSN*00*661325*20130416*1355*0001~
HL*1**S~
TD1*CTN25*1****G*4*LB~
TD5*B*2*UPSG*U*UPS GROUND~
REF*BM*661325~
DTM*011*20130416~
DTM*067*20130416~
N1*SF*SHIP FROM LOCATION NAME~
N1*ST**92*61-895-1680~
HL*2*1*O~
PRF*003456789~
TD1*CTN25*1~
N1*BY**92*61-895-1680~
HL*3*2*P~
MAN*GM*00000867740008775483~
HL*4*3*I~
LIN**CB*75099028*UP*555774359780~
SN1**6*EA~
HL*5*3*I~
LIN**CB*76091735*UP*097889679632~
SN1**1*EA~
HL*6*3*I~
LIN**CB*37032109*UP*097889669527~
SN1**2*EA~
HL*7*3*I~
LIN**CB*52078334*UP*097889672923~
SN1**1*EA~
HL*8*3*I~
LIN**CB*52078224*UP*555531179112~
SN1**3*EA~
HL*9*3*I~
LIN**CB*52078134*UP*555531210082~
SN1**2*EA~
HL*10*3*I~
LIN**CB*52072334*UP*555531210167~
SN1**3*EA~
HL*11*3*I~
LIN**CB*52058334*UP*555531224751~
SN1**3*EA~
HL*12*3*I~
LIN**CB*52278334*UP*555774861146~
SN1**2*EA~
HL*13*3*I~
LIN**CB*52668334*UP*555531178542~
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BLACKHAWK NETWORK's 856 GUIDELINES

SN1**3*EA~
HL*14*3*I~
LIN**CB*52078325*UP*555531179136~
SN1**3*EA~
HL*15*3*I~
LIN**CB*54478334*UP*555531178931~
SN1**3*EA~
HL*16*3*I~
LIN**CB*52288334*UP*555774366238~
SN1**1*EA~
HL*17*3*I~
LIN**CB*54722334*UP*555531178227~
SN1**1*EA~
HL*18*3*I~
LIN**CB*52075434*UP*555531178146~
SN1**3*EA~
HL*19*3*I~
LIN**CB*54778334*UP*555531178177~
SN1**3*EA~
CTT*19~
SE*81*0001~
ST*856*0002~
BSN*00*661343*20080608*1355*0001~
HL*1**S~
TD1*CTN25*1****G*2*LB~
TD5*B*2*UPSG*U*UPS GROUND~
REF*BM*661343~
DTM*011*20130416~
N1*SF*SAMPLE VENDOR~
N1*ST**92*61-895-1680~
HL*2*1*O~
PRF*003456789~
TD1*CTN25*1~
N1*BY**92*61-895-1680~
HL*3*2*P~
MAN*GM*00000867740008775476~
HL*4*3*I~
LIN**CB*75099028*UP*555774359780~
SN1**2*EA~
HL*5*3*I~
LIN**CB*76091735*UP*097889679632~
SN1**1*EA~
HL*6*3*I~
LIN**CB*37032109*UP*097889669527~
SN1**2*EA~
HL*7*3*I~
LIN**CB*52076334*UP*097889672923~
SN1**3*EA~
HL*8*3*I~
LIN**CB*54778334*UP*555531178177~
SN1**1*EA~
HL*9*3*I~
LIN**CB*52075434*UP*555531178146~

BLACKHAWK NETWORK's 856 GUIDELINES

SN1**1*EA~
HL*10*3*I~
LIN**CB*54722334*UP*555531178227~
SN1**1*EA~
HL*11*3*I~
LIN**CB*54478334*UP*555531178931~
SN1**1*EA~
HL*12*3*I~
LIN**CB*52668334*UP*555531178542~
SN1**1*EA~
HL*13*3*I~
LIN**CB*52278334*UP*555774861146~
SN1**2*EA~
CTT*13~
SE*57*0002~
GE*2*850~
IEA*1*000000850~