



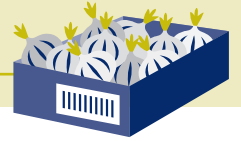
The Global Language of Business

Fresh Foods Management Solution

Explore Critical Tracking Events (CTEs) and Key Data Elements (KDEs)



Packed Onions

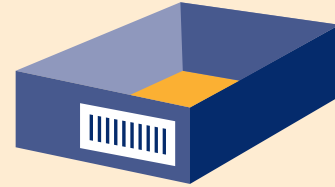


Harvest

Onions Dug and Clipped in Field



Packaging Materials



	Key Data Element Name	EPCIS Translation	Attribute Value
Type	-	EPCIS Event Type	Object
When	Date/Time	Event Time	2018-10-16 07:00:00.000 GMT-04:00
	-	Record Time	2018-10-16 16:00:00.000 UTC
What	Item (GTIN)	GTIN	00614141000012*
	Lot or Batch or Serial #	Lot	20180330F101
	Quantity	Quantity	100
	Unit of Measure	UOM	Bushel
Where	-	Read Point	0614141012350
	-	Biz Location	0614141012350
Why	-	Biz Step	Commissioning
	-	Disposition	Active
	Activity Type	Biz Transaction Type	ProdOrder
	Activity ID	Biz Transaction ID	WO123
	-	ILMD (mda:)	harvestdate 2018-10-16

*This GTIN is the individual onion

	Key Data Element Name	EPCIS Translation	Attribute Value
Type	-	EPCIS Event Type	Object
When	Date/Time	Event Time	2018-10-16 00:00:00.000 GMT-04:00
	-	Record Time	2018-10-16 04:00:00.000 UTC
What	Item (GTIN)	GTIN	00123452000036
	Lot or Batch or Serial #	Lot	XJ23456
	Quantity	Quantity	50
	Unit of Measure	UOM	
Where	-	Read Point	0012345000119
	-	Biz Location	0012345000119
Why	-	Biz Step	Commissioning
	-	Disposition	Active
	Activity Type	Biz Transaction Type	ProdOrder
	Activity ID	Biz Transaction ID	WO234

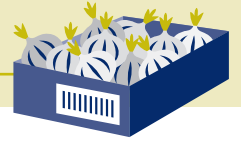
Harvest

Onions (input) are harvested in the field into bushels, then loaded into “packaging materials” (input). Packed onions are the output. These onions are loose in the bushels; they are not packed in the field in the form of a finished good. Sometimes they are packed into sacks or bins instead of bushels.

Harvest

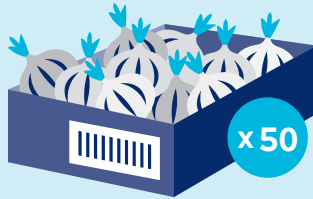
Packaging materials have been previously created for use. This input step identifies the packaging materials to be used in this transformation step.

Packed Onions



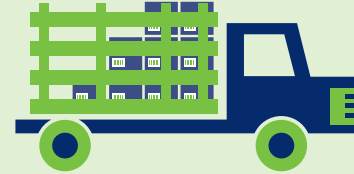
Transform

Packed Onions



Transport

Packed Onions Shipped to Packing Shed



	Key Data Element Name	EPCIS Translation	Attribute Value
Type	-	EPCIS Event Type	Transformation
When	Date/Time	Event Time	2018-10-16 13:00:00.000 GMT-04:00
	-	Record Time	2018-10-16 20:00:00.000 UTC
What: Input	Item (GTIN)	GTIN	00614141000012
	Lot or Batch or Serial #	Lot	20180330F101
	Quantity	Quantity	100
	Unit of Measure	UOM	Bushel
What: Input	Item (GTIN)	GTIN	00123452000036
	Lot or Batch or Serial #	Lot	XJ23456
	Quantity	Quantity	50
	Unit of Measure	UOM	-
What: Output	Item (GTIN)	GTIN	00614141100002
	Lot or Batch or Serial #	Lot	20180330F10112
	Quantity	Quantity	50
	Unit of Measure	UOM	Bin
Where	-	Read Point	0614141012350
	-	Biz Location	0614141012350
Why	-	Biz Step	Commissioning
	-	Disposition	Active
	Activity Type	Biz Transaction Type	ProdOrder
	Activity ID	Biz Transaction ID	WO456
	-	ILMD (mda:)	productiondate 2018-10-16

	Key Data Element Name	EPCIS Translation	Attribute Value
Type	-	EPCIS Event Type	Object
When	Date/Time	Event Time	2018-10-17 08:00:00.000 GMT-04:00
	-	Record Time	2018-10-17 12:00:00.000 UTC
What	Item (GTIN)	GTIN	00614141100002
	Lot or Batch or Serial #	Lot	20180330F10112
	Quantity	Quantity	50
	Unit of Measure	UOM	-
Where	-	Read Point	0614141012350
	-	Biz Location	0614141012350
Why	-	Biz Step	Shipping
	-	Disposition	In Transit
	Activity Type	Biz Transaction Type	DesAdv
	Activity ID	Biz Transaction ID	ASN123
	-	Sources	00614141012353
	-	Destinations	0061414130011

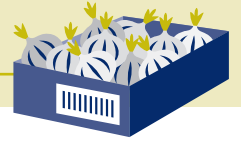
Transform

The harvested onions (input) are put into the packaging materials (input) to create the cases of packed onions (output) for shipment to the shed.

Transport

Packed onions are shipped to the packing shed.

Packed Onions



Transport

Packed Onions Received at Packing Shed



	Key Data Element Name	EPCIS Translation	Attribute Value
Type	-	EPCIS Event Type	Object
When	Date/Time	Event Time	2018-10-18 8:00:00.000 GMT-04:00
	-	Record Time	2018-10-18 12:00:00.000 UTC
What	Item (GTIN)	GTIN	00614141100002
	Lot or Batch or Serial #	Lot	20180330F10112
	Quantity	Quantity	50
	Unit of Measure	UOM	-
Where	-	Read Point	0061414130011
	-	Biz Location	0061414130011
Why	-	Biz Step	Receiving
	-	Disposition	In Progress
	Activity Type	Biz Transaction Type	RecAdv
	Activity ID	Biz Transaction ID	RA123

Transport

Packed onions received at packing shed.

Finished Goods



Transform

Create Finished Goods



Transport

Ship Finished Goods



	Key Data Element Name	EPCIS Translation	Attribute Value
Type	-	EPCIS Event Type	Transformation
When	Date/Time	Event Time	2018-10-18 00:00:00.000 GMT-04:00
	-	Record Time	2018-10-18 04:00:00.000 UTC
What: Input	Item (GTIN)	GTIN	00614141100002
	Lot or Batch or Serial #	Lot	20180330F10112
	Quantity	Quantity	25
	Unit of Measure	UOM	-
What: Output	Item - Finished Goods - (GTIN)	GTIN	00614141300068
	Lot or Batch or Serial #	Lot	2018040G11440
	Quantity	Quantity	15
	Unit of Measure	UOM	Bag
Where	-	Read Point	0061414130011
	-	Biz Location	0061414130011
Why	-	Biz Step	Commissioning
	-	Disposition	Active
	Activity Type	Biz Transaction Type	ProdOrder
	Activity ID	Biz Transaction ID	WO789

	Key Data Element Name	EPCIS Translation	Attribute Value
Type	-	EPCIS Event Type	Object
When	Date/Time	Event Time	2018-10-23 00:00:00.000 GMT-04:00
	-	Record Time	2018-10-23 04:00:00.000 UTC
What	Item (GTIN)	GTIN	00614141300068
	Lot or Batch or Serial #	Lot	2018040G11440
	Quantity	Quantity	10
	Unit of Measure	UOM	-
Where	-	Read Point	0061414130011
	-	Biz Location	0061414130011
Why	-	Biz Step	Shipping
	-	Disposition	In Transit
	Activity Type	Biz Transaction Type	DesAdv
	Activity ID	Biz Transaction ID	ASN789
	-	Sources	0061414130011
	-	Destinations	0840002030038

Transform

Finished goods are created (bags of onions) for transport to final point of sale.

Transport

Finished goods are shipped to final point of sale.

Finished Goods



Receive

Receive Finished Goods



Deplete

Finished Goods Sold at Point of Sale



	Key Data Element Name	EPCIS Translation	Attribute Value
Type	-	EPCIS Event Type	Object
When	Date/Time	Event Time	2018-10-26 00:00:00.000 GMT-04:00
	-	Record Time	2018-10-26 04:00:00.000 UTC
What	Item (GTIN)	GTIN	00614141300068
	Lot or Batch or Serial #	Lot	2018040G11440
	Quantity	Quantity	10
	Unit of Measure	UOM	-
Where	-	Read Point	0840002030038
	-	Biz Location	0840002030038
Why	-	Biz Step	Receiving
	-	Disposition	In Progress
	Activity Type	Biz Transaction Type	RecAdv
	Activity ID	Biz Transaction ID	RA789
	-	Sources	0840002030038
	-	Destinations	-

	Key Data Element Name	EPCIS Translation	Attribute Value
Type	-	EPCIS Event Type	Object
When	Date/Time	Event Time	2018-10-26 00:00:00.000 GMT-04:00
	-	Record Time	2018-10-26 04:00:00.000 UTC
What	Item (GTIN)	GTIN	00614141300068
	Lot or Batch or Serial #	Lot	2018040G11440
	Quantity	Quantity	8
	Unit of Measure	UOM	-
Where	Event Locations (GLN)	Read Point	0840002030038
	Event Owner (GLN)	Biz Location	0840002030038
Why	-	Biz Step	Retail Selling
	-	Disposition	Retail Sold
	Activity Type	Biz Transaction Type	Receipt Transaction*
	Activity ID	Biz Transaction ID	POS 123
	-	Sources	-
	-	Destinations	-

*Receipt Transaction does not yet exist and would need to be developed

Receive

Finished goods are received at final point of sale.

Deplete

Finished goods (onions in the bag) are sold at point of sale.



Deplete

Destroy Unsaleable Finished Goods



	Key Data Element Name	EPCIS Translation	Attribute Value	
Type	-	EPCIS Event Type	Object	
When	Date/Time	Event Time	2018-10-26 00:00:00.000 GMT-04:00	
	-	Record Time	2018-10-26 04:00:00.000 UTC	
What	Item (GTIN)	GTIN	00614141300068	
	Lot or Batch or Serial #	Lot	2018040G11440	
	Quantity	Quantity	2	
	Unit of Measure	UOM	-	
Where	Event Locations (GLN)	Read Point	0840002030038	
	Event Owner (GLN)	Biz Location	0840002030038	
Why	-	Biz Step	Destroying	
	-	Disposition	Destroyed	
	-	Activity Type	Biz Transaction Type	Work Order*
	-	Activity ID	Biz Transaction ID	WO456
	-	Sources		-
	-	Destinations		-

*Work Order does not yet exist and would need to be developed

Deplete

Unsaleable finished goods (bags of onions) are destroyed.

About GS1 US

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