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# Despatch Advice Line Item Extension eBmeat Business Message Standard (BMS)

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## 1 Business Domain View

### 1.1 Introduction

#### Message Definition

Meat Product Extension is an extension to the Despatch Advice Document used to enable tracking & tracing (traceability) of meat products, by exchange of production history data.

#### Principles

This extension can be used only with Despatch Advice message; it is applied at the DespatchLineItem level.

## 2 Business Context

Context Category	Value(s)
Industry	All
Geopolitical	All
Product	All
Process	Deliver
System Capabilities	GS1 System
Official Constraints	None

## 3 Business Transaction View

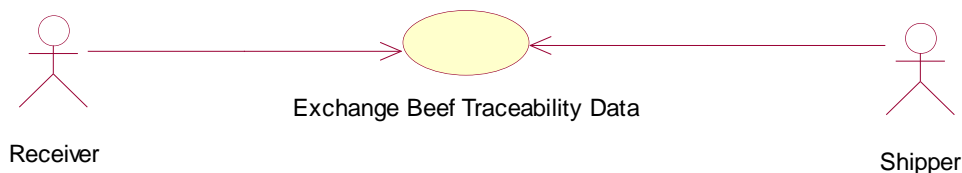
The extension for the “**Exchange Traceability and Processing History Data of Beef Products (Slaughter to Retail)**” details the data needed to be used in conjunction with the Despatch Advice message.

The team was chartered to define the business requirements and this has been achieved by providing data definitions and UML-model for the exchange of traceability and processing history data of unprepared beef products (slaughter to retail).

Note that this model can be used as a basis for other tasks regarding traceability and/or processing history of products.

### 3.1 Business Transaction – Exchange Beef Traceability Data

#### Use Case Diagram

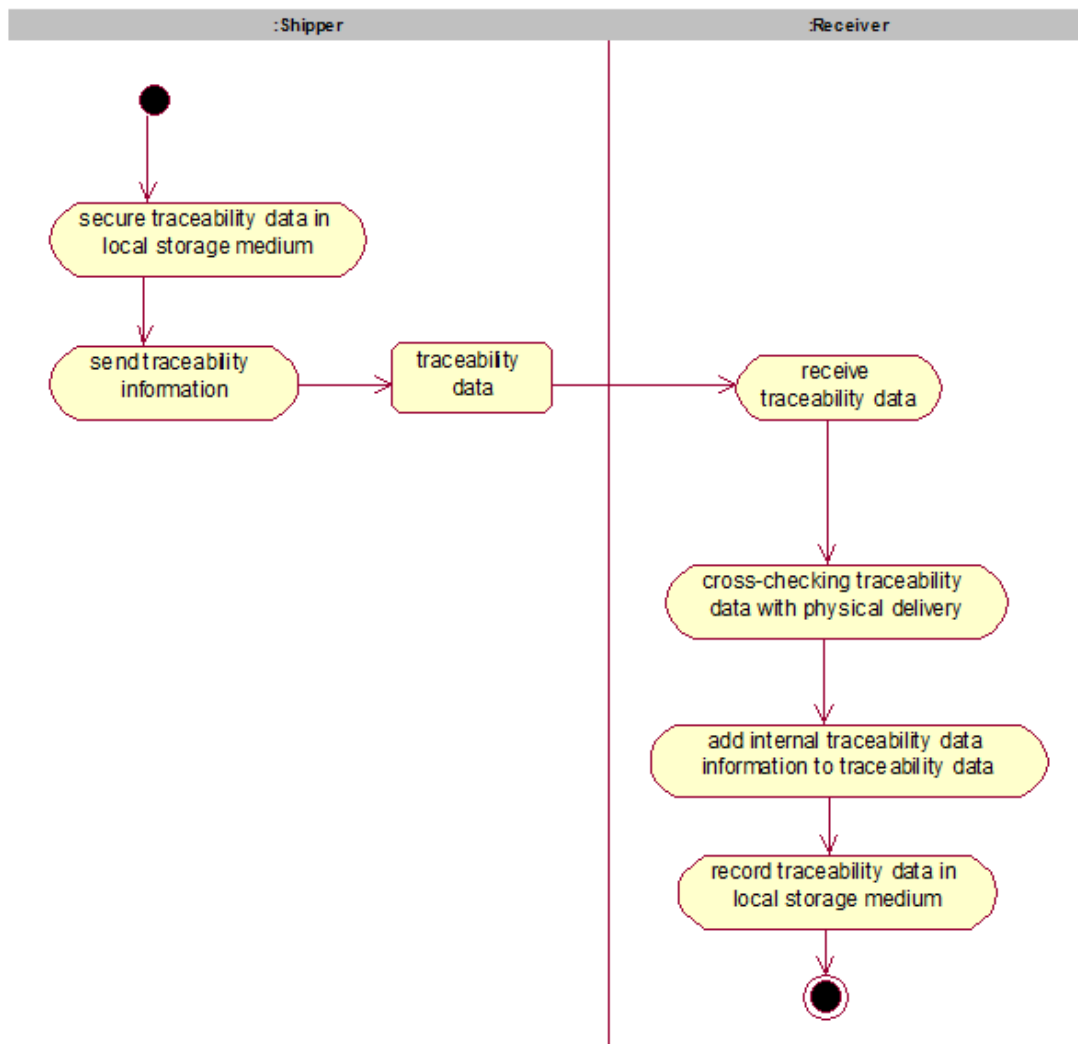


#### Use Case Description

Use Case ID	UC-1
Use Case Name	Exchange Beef Traceability Data

Use Case Description	Exchange beef history data and beef product despatch information in order to support traceability and quality management.																
Actors (Goal)	Shipper (Slaughterhouse; Post-Slaughter Processor, Wholesaler) Receiver (Post-Slaughter Processor, Wholesaler, Retailer)																
Performance Goals	None																
Preconditions	<p>A trading agreement (including alignment of master data, payment and delivery terms) has been established between Seller and Buyer.</p> <p>A valid order from the Buyer has been received and accepted.</p> <p>Traceability data for product(s) ordered have been compiled and prepared for exchange by the Shipper.</p> <p>The beef products are uniquely identified.</p>																
Post conditions	<p>Receiver has been supplied with traceability data for beef product(s) which he is to receive.</p> <p>Place, time and conditions for delivery have been communicated.</p>																
Scenario	<p>Begins when the Shipper secures in his local storage medium the traceability data of beef product(s).</p> <p>Continues with:</p> <table border="1"> <thead> <tr> <th>Step #</th><th>Actor</th><th>Activity Step</th></tr> </thead> <tbody> <tr> <td></td><td>Shipper</td><td>Shipper sends the Receiver traceability data of beef products to be delivered.</td></tr> <tr> <td></td><td>Receiver</td><td>Receiver receives this traceability data.</td></tr> <tr> <td></td><td>Receiver</td><td>Receiver cross-checks traceability data with physical delivery.</td></tr> <tr> <td></td><td>Receiver</td><td>Receiver adds internal information to traceability data, where applicable.</td></tr> </tbody> </table> <p>Ends when the Receiver secures the traceability data in his local storage medium.</p>		Step #	Actor	Activity Step		Shipper	Shipper sends the Receiver traceability data of beef products to be delivered.		Receiver	Receiver receives this traceability data.		Receiver	Receiver cross-checks traceability data with physical delivery.		Receiver	Receiver adds internal information to traceability data, where applicable.
Step #	Actor	Activity Step															
	Shipper	Shipper sends the Receiver traceability data of beef products to be delivered.															
	Receiver	Receiver receives this traceability data.															
	Receiver	Receiver cross-checks traceability data with physical delivery.															
	Receiver	Receiver adds internal information to traceability data, where applicable.															
Alternative Scenario	<p>A discrepancy exists between traceability data and the physical delivery. (<i>Must be addressed in a separate project.</i>)</p>																
Business Transaction Rules	None																

### Activity Diagram(s)



**Figure 3-1 – Use Case Diagram: Business Transaction**

### Sequence Diagram(s)

Not Applicable

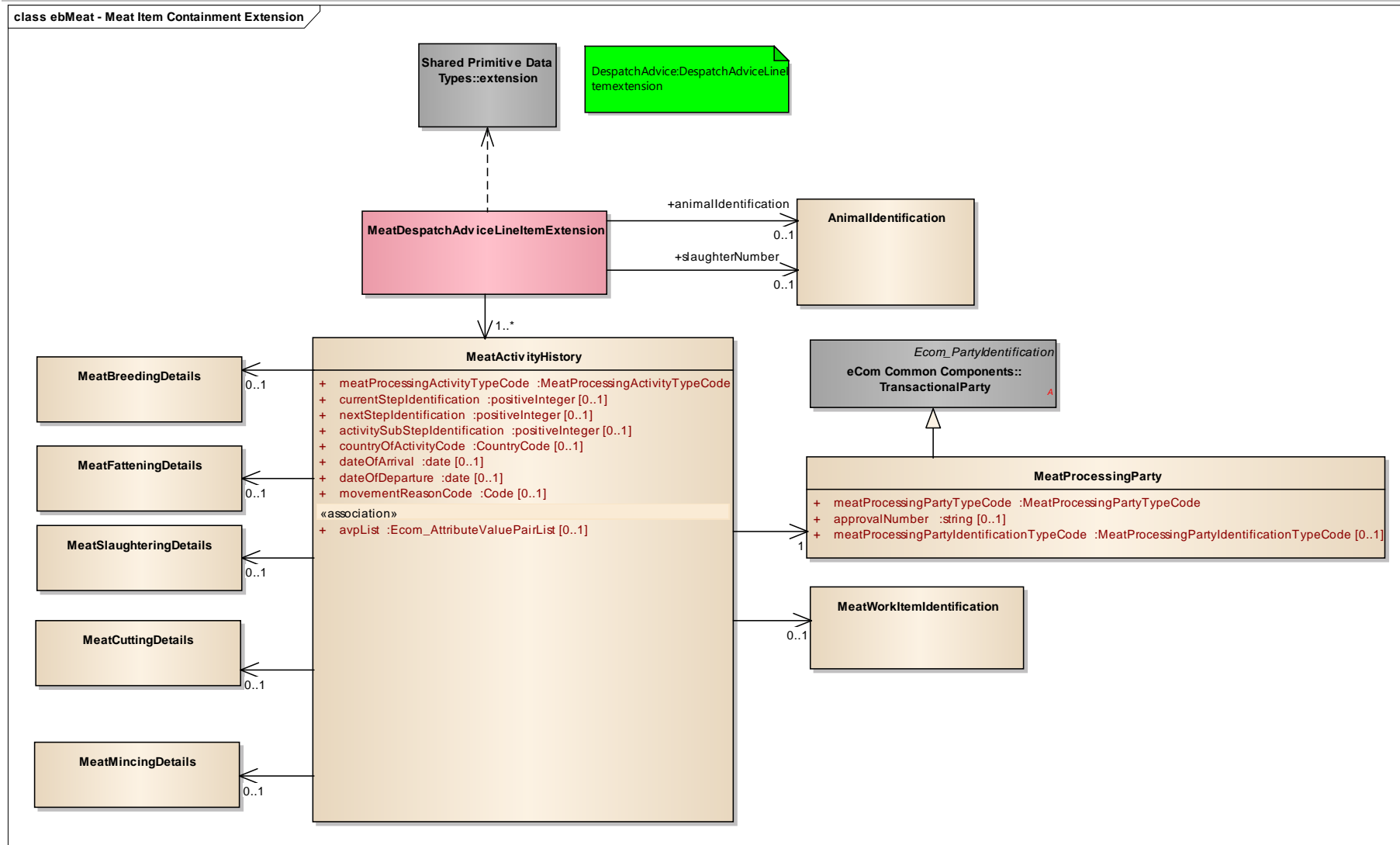


## **4 Business Information View**

### **4.1 Meat Despatch Advice Line Item Extension**

**Class diagram**





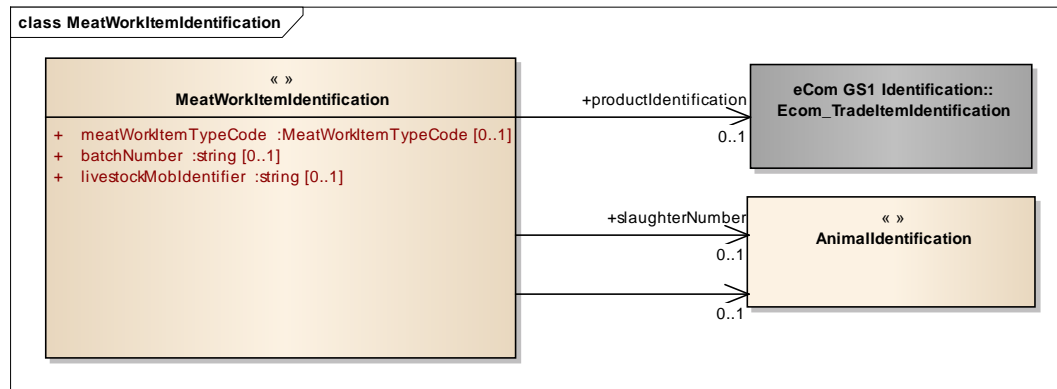
## Report

The content of the MeatDespatchAdviceLineItemExtension class, its structure and component definitions can be accessed in the GS1 Navigator: [Navigator link](#)

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
MeatDespatchAdviceLineItemExtension				An extension to the Despatch Advice Document used to enable tracking & tracing (traceability) of beef products.	
Association	animalIdentification	AnimalIdentification	0..1	Unique number given by a competent national authority to identify an animal individually.	
Dependency		extension			
Association		MeatActivityHistory	1..*	Details on the meat processing activities that were carried out	
Association	slaughterNumber	AnimalIdentification	0..1	Unique number given by a slaughterhouse to an animal.	

## 4.2 Meat Work Item Identification

### Class Diagram



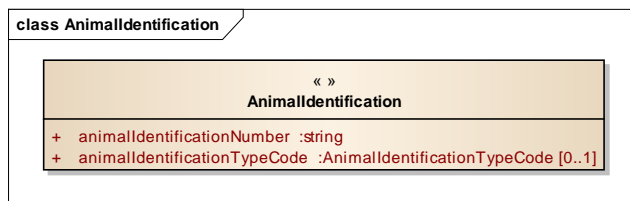
### Report

The content of the MeatWorkItemIdentification class, its structure and component definitions can be accessed in the GS1 Navigator: [Navigator link](#)

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
MeatWorkItemIdentification					renamed from WorkItemIdentification
Association		AnimalIdentification	0..1	Unique number given by a competent national authority to identify an animal individually.	
Association	slaughterNumber	AnimalIdentification	0..1	Unique number given by a slaughterhouse to an animal.	
Association	productIdentification	Ecom_TradeItemIdentification	0..1	Product identification of the meat work item.	WR 15-000314
Attribute	meatWorkItemTypeCode	MeatWorkItemTypeCode	0..1	Code specifying the type of meat work item.	
Attribute	batchNumber	string	0..1	A number that identifies a quantity of a product produced under similar conditions i.e. at one location, at one time and according to specific business rules.	
Attribute	livestockMobIdentifier	string	0..1	A collection of like breeds of livestock animals. Usually the livestock is moveable as a group.	

## 4.3 Animal Identification

### Class Diagram



### Report

The content of the AnimalIdentification class, its structure and component definitions can be accessed in the GS1 Navigator: [Navigator link](#)

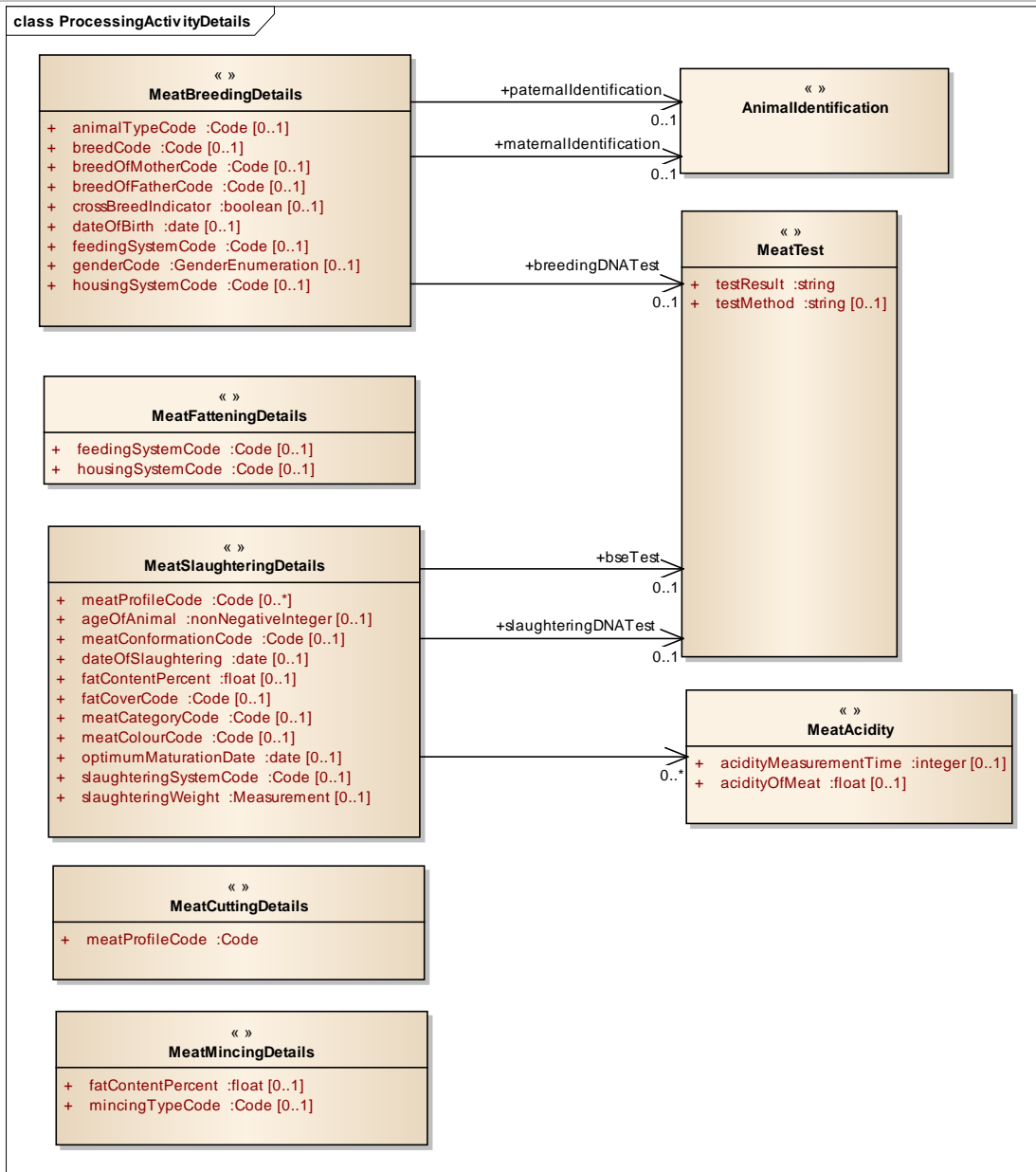


Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
AnimalIdentification				Unique number given by a competent national authority to identify an animal individually.	
Attribute	animalIdentificationNumber	string	1..1	Identification Number for a given animal.	
Attribute	animalIdentificationTypeCode	AnimalIdentificationTypeCode	0..1	Nature of the Identification Number.	



## 4.4 Processing Activity Details

### Class Diagram



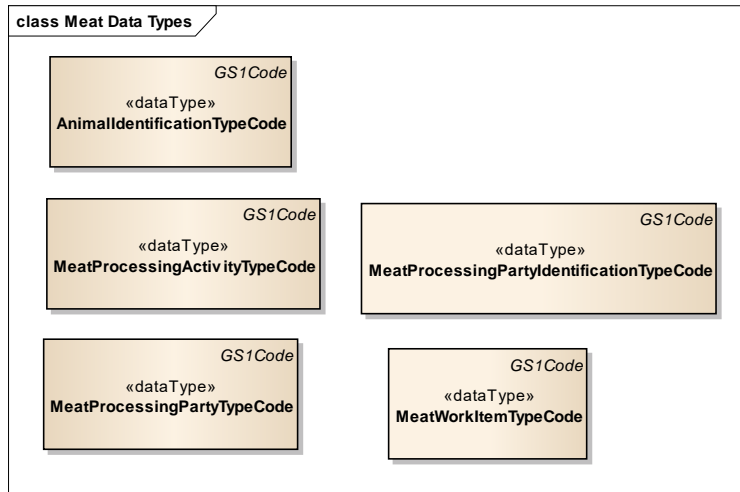
## Report

The content of the MeatBreedingDetails class, its structure and component definitions can be accessed in the GS1 Navigator: [Navigator link](#)

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
MeatBreedingDetails				Information on the breeding of the meat being processed.	
Association	breedingDNATest	MeatTest	0..1	DNA test used during breeding.	
Association	paternalIdentification	AnimalIdentification	0..1	Identification of the father of the animal.	
Association	maternalIdentification	AnimalIdentification	0..1	Identification of the mother of the animal.	
Attribute	animalTypeCode	Code	0..1	Code specifying the type of animal.	
Attribute	breedCode	Code	0..1	Code specifying the breed of the animal.	
Attribute	breedOfMotherCode	Code	0..1	Code specifying the breed of the mother.	
Attribute	breedOfFatherCode	Code	0..1	Code specifying the breed of the father.	
Attribute	crossBreedIndicator	boolean	0..1	Indicates an animal stemming from parents of different breeds, where the breed of only one parent is known.	renamed from crossBreedCode
Attribute	dateOfBirth	date	0..1	Birth date/time of the animal.	
Attribute	feedingSystemCode	Code	0..1	Code specifying the method of the feeding/fattening.	
Attribute	genderCode	GenderEnumeration	0..1	Code specifying the gender of the animal.	
Attribute	housingSystemCode	Code	0..1	Code specifying the type of housing/holding of the animal.	

## 4.5 Data Types

### Class Diagram



### Report

Content	Attribute / Role	Datatype / Secondary class	Multiplicity	Definition	Requirements
AnimalIdentificationTypeCode				Code specifying an animal identification type. Allowed code values are specified in GS1 Code List AnimalIdentificationTypeCode.	
Generalization		GS1Code			
MeatProcessingActivityTypeCode				Code specifying a meat processing activity type. Allowed code values are specified in GS1 Code List MeatProcessingActivityTypeCode.	
Generalization		GS1Code			





Content	Attribute / Role	Datatype / Secondary class	Multiplicity	Definition	Requirements
MeatProcessingPartyIdentificationTypeCode				Code specifying a meat processing party identification type. Allowed code values are specified in GS1 Code List MeatProcessingPartyIdentificationTypeCode.	
Generalization		GS1Code			
MeatProcessingPartyTypeCode				Code specifying a meat processing party type. Allowed code values are specified in GS1 Code List MeatProcessingPartyTypeCode.	
Generalization		GS1Code			
MeatWorkItemTypeCode				Code specifying a meat work item type. Allowed code values are specified in GS1 Code List MeatWorkItemTypeCode.	
Generalization		GS1Code			

## 4.6 Enumerations (message specific)

Not applicable

## 4.7 Code Lists

Class	Codelist	Referenced in
MeatActivityHistory	MeatProcessingActivityTypeCode	<a href="https://navigator.gs1.org/edi/codelist-details?name=MeatProcessingActivityTypeCode">https://navigator.gs1.org/edi/codelist-details?name=MeatProcessingActivityTypeCode</a>
MeatActivityHistory	CountryCode	<a href="https://navigator.gs1.org/edi/codelist-details?name=CountryCode">https://navigator.gs1.org/edi/codelist-details?name=CountryCode</a>
AnimalIdentification	AnimalIdentificationTypeCode	<a href="https://navigator.gs1.org/edi/codelist-details?name=AnimalIdentificationTypeCode">https://navigator.gs1.org/edi/codelist-details?name=AnimalIdentificationTypeCode</a>
MeatProcessingParty	MeatProcessingPartyTypeCode	<a href="https://navigator.gs1.org/edi/codelist-details?name=MeatProcessingPartyTypeCode">https://navigator.gs1.org/edi/codelist-details?name=MeatProcessingPartyTypeCode</a>
MeatProcessingParty	MeatProcessingPartyIdentificationTypeCode	<a href="https://navigator.gs1.org/edi/codelist-details?name=MeatProcessingPartyIdentificationTypeCode">https://navigator.gs1.org/edi/codelist-details?name=MeatProcessingPartyIdentificationTypeCode</a>
MeatWorkItemIdentification	MeatWorkItemTypeCode	<a href="https://navigator.gs1.org/edi/codelist-details?name=MeatWorkItemTypeCode">https://navigator.gs1.org/edi/codelist-details?name=MeatWorkItemTypeCode</a>
MeatBreedingDetails	GenderEnumeration	<a href="https://navigator.gs1.org/edi/codelist-details?name=GenderEnumeration">https://navigator.gs1.org/edi/codelist-details?name=GenderEnumeration</a>



**Note:** Refer to the GS1 Navigator (Navigator) for the code values.

# 5 Business Message Examples

## 5.1 Example 1

This is an example of the eBmeat Line Item Extension to the Despatch Advice message, containing the **aggregated detailed origin and production history**.

### Process step 1: Producer

Address of the producer:  
Name: Producer company  
Street: Backstreet 133  
City: Brussels  
Postal code: 12345  
Country: Belgium

The following animals are born on the farm of the producer:

Animal ID	AU71244008	AU71244009	AU71244010
Date of birth	01.01.2004	02.01.2004	01.01.2004
Gender	male	male	male
Breed	Jersey	Jersey	Jersey

Country of birth	Belgium	Belgium	Belgium
Feeding system	organic	intensive organic	Intensiveorganic
Holding system	predominantly barn	predominantly barn	predominantly barn
Paternal Identification	AU71244111	AU71244112	AU71244113
Breed of father	Jersey	Jersey	Jersey
Maternal Identification	AU71244222	AU71244223	AU71244224
Breed of mother	Jersey	Jersey	Jersey
Reason for movement	sale for fattening	sale for fattening	sale for fattening
Date of departure	01.03.2004	01.03.2004	01.03.2004

### Process step 2: Fattening farm 1

Address of the fattening farm 1:

Name: Fattening company

Street: Bigstreet 5

City: Amsterdam

Postal code: 34567

Country: Netherlands

Animal ID	AU71244008	AU71244009	AU71244010
Date of arrival	02.03.2004	02.03.2004	02.03.2004
Country of fattening	Netherlands	Netherlands	Netherlands
Feeding system	Not specified	Organic	Not specified
Holding system	predominantly pasture	predominantly pasture	predominantly pasture
Reason for movement	sale for fattening	sale for fattening	sale for fattening
Date of departure	01.06.2004	01.06.2004	01.06.2004

### Process step 3: Fattening farm 2

Address of the fattening farm 2:

Name: Fettmann KG

Street: Kanalstraße 33

City: Köln

Postal code: 50825

Country: Germany

Animal ID	AU71244008	AU71244009	AU71244010
Date of arrival	02.06.2004	02.06.2004	02.06.2004
Country of fattening	Germany	Germany	Germany
Feeding system	Intensive	Intensive	Intensive
Holding system	predominantly pasture	predominantly pasture	predominantly pasture
Reason for movement	sale for slaughteringslaughtering	sale for slaughteringsale for slaughtering	sale for slaughteringsale for slaughtering
Date of departure	02.09.2004	02.09.2004	02.09.2004

### Process step 4: slaughterhouse



A shipment of cows from the “Fattermanettmann company” is received September 93th, 2004. The slaughterhouse records the information regarding the rearing of each cattle or the data are stored in a central data base for the supply chain. The cows are slaughtered and each carcass is identified with the GTIN and ear-tag number of the cow it is derived from.

GLN of the slaughterhouse: 4012345000009

Slaughterhouse approval number: BE234

GTIN	40123450000166	40123450000166	40123450000166
Animal ID	AU71244008	AU71244009	AU71244010
Date of arrival	03.09.2004	03.09.2004	03.09.2004
Country of Slaughtering	Belgium	Belgium	Belgium
Date of slaughter	04.09.2004	04.09.2004	05.09.2004
Slaughtering weight	280,3 kg	285,7 kg	290,6 kg
Slaughter system	halal	kosher	Halal
Category (UN/ECE)	young intact male	heifer	Young intact male
Conformation (SEUROP)	SE	S	E
Fat cover (UN/ECE)	Not specified	Peeled Denuded	Not specified
Reason for movement	Sale for cutting	Sale for cutting	Sale for cutting
Date of departure	05.09.2004	05.09.2004	05.09.2004

The slaughterhouse prepares a shipment identified with number “BE59-351-6098” on September 5th, under trading partner agreement “BE59.BEF2-CT-2”, to the cutting plant with the GLN 4000005000070; the shipment consists of the carcasses of the received and slaughtered cows.

The message sent from the slaughterhouse to the cutting hall 1 contains the following information (related to the product respectively GTIN):

Trade Item Identification	Animal Identification		
GTIN	Animal ID		
40123450000166	AU71244008	Meat history information (origin and processing history)	
		Activity History	
		Current step identification	1
		Next step identification	2
		Activity Type:	Breeding
		Activity Step	
		Country of activity	Belgium
		Performer Type	Breeder
		Performer Identification:	Name: Producer company Street: Backstreet 133 City: Brussels Postal code: 12345 Country: Belgium
		Date of departure	01.03.2004
		Reason for movement	sale for fattening
		Work Item Identification	
		Animal Id	AU71244008
		Work Item Type	Animal
		Meat Despatch Information	
		Breeding Details	
		Date of birth	01.01.2004



		Gender	male
		Breed	Jersey
		Feeding system	organic
		Holding system	predominantly barn
		Paternal Identification	AU71244111
		Breed of father	Jersey
		Maternal Identification	AU71244222
		Breed of mother	Jersey
Activity History			
		Current step identification	2
		Next step identification	3
		Activity Type:	Fattening
		Activity Step	1
		Country of activity	Netherlands
		Performer Type	Fattener
		Performer Identification:	Name: Fattening company
			Street: Bigstreet 5
			City: Amsterdam
			Postal code: 34567
			Country: Netherlands
		Date of arrival	02.03.2004
		Date of departure	01.06.2004
		Reason for movement	sale for fattening
Work Item Identification			
		AnimalID	AU71244008
Work Item Type		Animal	
		Meat Despatch Information	
		Fattening	
		Feeding system	Not specified
		Holding system	predominantly pasture
Activity History			
		Current step identification	3
		Next step identification	4
		Activity Type:	Fattening
		Activity Step	2
		Country of activity	Germany
		Performer Type	Fattener
		Performer Identification:	Name: Fettmann KG
			Street: Kanalstraße 33
			City: Köln
			Postal code: 50825
			Country: Germany
		Date of arrival	02.06.2004
		Date of departure	02.09.2004
		Reason for movement	sale for slaughtering
Work Item Identification			
		Animal ID	AU71244008
Work Item Type		Animal	
		Meat Despatch Information	
		Fattening	
		Feeding system	Intensive
		Holding system	predominantly pasture
Activity History			
		Current step identification	4
		Next Stages Id	
		Activity Type:	Slaughtering
		Activity Step	
		Country of activity	Belgium
		Performer Type	Slaughterer
		Performer Identification:	GLN: 4012345000009
			ApprovalNumber:BE234
		Date of arrival	03.09.2004
		Date of departure	05.09.2004



Reason for movement		sale for cutting
Work Item Identification		
GTIN	40123450000166	
Animal ID	AU71244008	
Work Item Type	Carcass	
4012345000016	AU71244008	
Meat Despatch Information		
slaughteringDetailsSlaughtering		
Date of slaughter	04.09.2004	
Slaughtering weight	280,3 kg	
Slaughter system	halal	
Category (UN/ECE)	young intact male	
Conformation (SEUROP)	SE	
Fat cover (UN/ECE)	Not specified	
Trade Item Identification	Item Sub Identification	
GTIN	Animal ID	
40123450000166	AU71244009	
Meat history information (origin and processing history)		
.....		

### Process step 5: Cutting plant 1

A shipment of carcasses from slaughterhouse with the GLN 4012345000009 is received by the cutting plant 1 identified with GLN 4000005000070 (cutting plant approval number: FR2345) on September 5th, 2004. Two of the carcasses are converted into a batch of primal cuts (product A). Product A is identified with GTIN 4000005009998 and batch number FR2-NB-1523 and consists of the carcasses with the ID's:

- GTIN 40123450000166 / Animal ID AU71244008
- GTIN 40123450000166 / Animal ID AU71244010.

The third carcass is converted into a different product (product B). Product B is identified with GTIN 4000005001114 and batch number FR2-ZZ-9999 and consists of the carcass with the ID:

- GTIN 40123450000166 / Animal ID AU71244009

Product	A	B
GTIN	4000005009998	4000005001114
Batch number	FR2-NB-1523	FR2-ZZ-9999
Date of arrival	05.09.2004	05.09.2004
Country of cutting	France	France
UN/ECE classification	1164353010400015000	
Date of departure	07.09.2004	07.09.2004

A shipment to cutting hall 2 is prepared on September 7th, 2004 and consists of the products derived from the received carcasses.

The message sent from cutting plant 1 to cutting plant 2 contains the following information (related to the product respectively GTIN):

TradeItem Identification	ItemSub Identification	
GTIN	Additional ID	
4000005009998	FR2-NB-1523	
Meat history information (origin and processing history)		
Activity History		
Current step identification 1		
Next step identification 2		
Activity Type: Breeding		



Activity Step			
Country of activity		Belgium	
Performer Type		Breeder	
Performer Identification:		Name: Producer company	
		Street: Backstreet 133	
		City: Brussels	
		Postal code: 12345	
		Country: Belgium	
Date of departure		01.03.2004	
Reason for movement		sale for fattening	
Work Item Identification			
Animal ID	AU71244008		
Work Item Type	Animal		
		Meat Despatch Information	
		Breeding	
		Date of birth	01.01.2004
		Gender	male
		Breed	Jersey
		Feeding system	organic
		Holding system	predominantly barn
		Paternal Identification	AU71244111
		Breed of father	Jersey
		Maternal Identification	AU71244222
		Breed of mother	Jersey
Work Item Identification			
Animal ID	AU71244010		
Work Item Type	Animal		
		Meat Despatch Information	
		Breeding	
		Date of birth	01.01.2004
		Gender	male
		Breed	Jersey
		Feeding system	organic
		Holding system	predominantly barn
		Paternal Identification	AU71244113
		Breed of father	Jersey
		Maternal Identification	AU71244224
		Breed of mother	Jersey
Activity History			
Current step identification		2	
Next step identification		3	
Activity Type:		Fattening	
Activity Step		1	
Country of activity		Netherlands	
Performer Type		Fattener	
Performer Identification:		Name: Fattening company	
		Street: Bigstreet 5	
		City: Amsterdam	
		Postal code: 34567	
		Country: Netherlands	
Date of arrival		02.03.2004	
Date of departure		01.06.2004	
Reason for movement		sale for fattening	
Work Item Identification			
Animal ID	AU71244008		
Work Item Type	Animal		
		Meat Despatch Information	
		Fattening Details	
		Feeding system	Not specified
		Holding system	predominantly pasture
Work Item Identification			
Animal ID	AU71244010		
Work Item Type	Animal		
		Meat Despatch Information	
		Fattening Details	



		Feeding system	Not specified
		Holding system	predominantly pasture
Activity History			
Current step identification		3	
Next step identification		4	
Activity Type:		Fattening	
Activity Step		2	
Country of activity		Germany	
Performer Type		Fattener	
Performer Identification:		Name: Fettmann KG Street: Kanalstraße 33 City: Köln Postal code: 50825 Country: Germany	
Date of arrival		02.06.2004	
Date of departure		02.09.2004	
Reason for movement		sale for slaughtering	
Work Item Identification			
Animal ID		AU71244008	
Work tem Type		Animal	
Meat Despatch Information			
Fattening Details			
Feeding system		Intensive	
Holding system		predominantly pasture	
Work Item Identification			
Animal ID		AU71244010	
Work tem Type		Animal	
Meat Despatch Information			
Fattening Details			
Feeding system		Intensive	
Holding system		predominantly pasture	
Activity History			
Current step identification		4	
Next step identification		5	
Activity Type:		Slaughtering	
Activity Step			
Country of activity		Belgium	
Performer Type		Slaughterer	
Performer Identification:		GLN: 4012345000009 ApprovalNumber:BE234	
Date of arrival		03.09.2004	
Date of departure		05.09.2004	
Reason for movement		sale for cutting	
Work Item Identification			
GTIN		40123450000166	
Animal ID		AU71244008	
Work Item Type		Carcass	
Meat Despatch Information			
Slaughtering Details			
Date of slaughter		04.09.2004	
Slaughtering weight		280,3 kg	
Slaughter system		halal	
Category (UN/ECE)		young intact male	
Conformation (SEUROP)		E	
Fat cover (UN/ECE)		Not specified	
Work Item Identification			
GTIN		40123450000166	
Animal ID		AU71244010	
Work Item Type		Carcass	
Meat Despatch Information			
Slaughtering Details			
Date of slaughter		04.09.2004	
Slaughtering weight		290,6 kg	
Slaughter system		halal	





		Category (UN/ECE)	Young intact male
		Conformation (SEUROP)	E
		Fat cover (UN/ECE)	Not specified
Activity History			
		Current step identification	5
		Next step identification	
		Activity Type:	Cutting
		Activity Step	1
		Country of activity	France
		Performer Type	Cutter
		Performer Identification:	GLN: 4000005000070
			Approval Number: FR2345
		Date of arrival	05.09.2004
		Date of departure	07.09.2004
Work Item Identification			
		GTIN	4000005009998
		Batch Number	FR2-NB-1523
		Work Item Type	Meat
Meat Despatch Information			
Cutting Details			
		UN/ECE classification	1164353010400015000

GTIN	Additional ID	
40000050011144	FR2-ZZ-9999	Meat history information (origin and processing history)
.....		

## Process step 6: Cutting plant 2

A shipment of 2 products of primal cuts from cutting plant 1 is received by the cutting hall 2 identified with GLN 4400999000016 (approval number of cutting hall DK98767) on September 8th, 2004.

Each batch is processed separately and converted into a single batch of secondary cuts.

Product A (GTIN 4000005009998 / batch number FR2-NB-1523) is converted in product C identified with GTIN 44009990009933 and batch number DK3296.

Product B (GTIN 4000005001114 / batch number FR2-ZZ-9999) is converted in product D GTIN 44009990004433 and batch number "DK9999".

Product	C	D
GTIN	44009990009933	44009990004433
Batch number	DK3296	DK9999
Date of arrival	08.09.2004	08.09.2004
Country of cutting	Denmark	Denmark
UN/ECE classification	1164353010400017999	
Date of departure	10.09.2004	10.09.2004

A shipment to the mincer consisting of the two products is prepared on September 10th, 2004.

The message sent from cutting plant 2 to the mincer contains the following information (related to the product respectively GTIN):

Trade Item Identification	Item Sub Identification	
GTIN	Additional ID	
44009990009933	DK3296	Meat history information (origin and processing history)
Activity History		
		Current step identification
		Next step identification



Activity Type:		Breeding	
Activity Step			
Country of activity		Belgium	
Performer Type		Breeder	
Performer Identification:		Name: Producer company	
		Street: Backstreet 133	
		City: Brussels	
		Postal code: 12345	
		Country: Belgium	
Date of departure		01.03.2004	
Reason for movement		sale for fattening	
Work Item Identification			
Animal ID		AU71244008	
Work Item Type		Animal	
		Meat Despatch Information	
		Breeding Details	
		Date of birth	01.01.2004
		Gender	male
		Breed	Jersey
		Feeding system	organic
		Holding system	predominantly barn
		Paternal Identification	AU71244111
		Breed of father	Jersey
		Maternal Identification	AU71244222
		Breed of mother	Jersey
Work Item Identification			
Animal ID		AU71244010	
Work Item Type		Animal	
		Meat Despatch Information	
		Breeding Details	
		Date of birth	01.01.2004
		Gender	male
		Breed	Jersey
		Feeding system	organic
		Holding system	predominantly barn
		Paternal Identification	AU71244113
		Breed of father	Jersey
		Maternal Identification	AU71244224
		Breed of mother	Jersey
Activity History			
Current step identification		2	
Next step identification		3	
Activity Type:		Fattening	
Activity Step		1	
Country of activity		Netherlands	
Performer Type		Fattener	
Performer Identification:		Name: Fattening company	
		Street: Bigstreet 5	
		City: Amsterdam	
		Postal code: 34567	
		Country: Netherlands	
Date of arrival		02.03.2004	
Date of departure		01.06.2004	
Reason for movement		sale for fattening	
Work Item Identification			
Animal ID		AU71244008	
Work Item Type		Animal	
		Meat Despatch Information	
		fatteningDetails	
		Feeding system	Not specified
		Holding system	predominantly pasture
Work Item Identification			
Animal ID		AU71244010	
Work Item Type		Animal	
		Meat Despatch Information	



Fattening Details	
Feeding system	Not specified
Holding system	predominantly pasture
Activity History	
Current step identification	3
Next step identification	4
Activity Type:	Fattening
Activity Step	2
Country of activity	Germany
Performer Type	Fattener
Performer Identification:	Name: Fettmann KG Street: Kanalstraße 33 City: Köln Postal code: 50825 Country: Germany
Date of arrival	02.06.2004
Date of departure	02.09.2004
Reason for movement	sale for slaughtering
Work Item Identification	
Animal ID	AU71244008
Work Item Type	Animal
Meat Despatch Information	
Fattening Details	
Feeding system	Intensive
Holding system	predominantly pasture
Work Item Identification	
Animal ID	AU71244010
Work Item Type	Animal
Meat Despatch Information	
Fattening Details	
Feeding system	Intensive
Holding system	predominantly pasture
Activity History	
Current step identification	4
Next step identification	5
Activity Type:	Slaughtering
Activity Step	
Country of activity	Belgium
Performer Type	Slaughterer
Performer Identification:	GLN: 4012345000009 ApprovalNumber:BE234
Date of arrival	03.09.2004
Date of departure	05.09.2004
Reason for movement	sale for cutting
Work Item Identification	
GTIN	40123450000166
Animal ID	AU71244008
Work Item Type	Carcass
Meat Despatch Information	
Slaughtering Details	
Date of slaughter	04.09.2004
Slaughtering weight	280,3 kg
Slaughter system	halal
Category (UN/ECE)	young intact male
Conformation (SEUROP)	E
Fat cover (UN/ECE)	Not specified
Work Item Identification	
GTIN	40123450000166
Animal ID	AU71244010
Work Item Type	Carcass
Meat Despatch Information	
Slaughtering Details	
Country of Slaughtering	Belgium
Date of slaughter	04.09.2004



Slaughtering weight	290,6 kg
Slaughter system	halal
Category (UN/ECE)	Young intact male
Conformation (SEUROP)	E
Fat cover (UN/ECE)	Not specified

**Activity History**

Current step identification 5  
 Next step identification 6  
 Activity Type: Cutting  
 Activity Step 1  
 Country of activity Belgium  
 Performer Type Cutter  
 Performer Identification: GLN: 4000005000070  
 Approval Number: FR2345  
 Date of arrival 05.09.2004  
 Date of departure 07.09.2004

**Work Item Identification**

GTIN 40000050099988  
 Batch Number FR2-NB-1523  
 Work tem Type Meat

**Meat Despatch Information****Cutting Details**

UN/ECE classification 1164353010400015000

**Activity History**

Current step identification 6  
 Next step identification  
 Activity Type: Cutting  
 Activity Step 2  
 Performer Type Cutter  
 Performer Identification: GLN: 4400999000016  
 Approval Number: DK98767  
 Date of arrival 08.09.2004  
 Date of departure 10.09.2004

**Work Item Identification**

GTIN 44009990009933  
 Batch Number DK3296  
 Work tem Type Meat

**Meat Despatch Information****Cutting Details**

UN/ECE classification 1164353010400017999

GTIN	Additional ID
4400999000443	DK9999

Meat history information (origin and processing history)

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**Process step 6: Mincer**

A shipment of 2 products of secondary cuts from cutting plant 2 is received by the mincer identified with GLN 405555999992 on September 12th, 2004.

Product C identified with GTIN 44009990009933 and batch number DK3296 is converted into minced beef identified with GTIN 405555000568 and batch number NL1232.

GTIN	4055550005688
Batch number	NL1232
Date of arrival	12.09.2004
Fat content	40 %
Country of cutting	Netherlands
Date of departure	13.09.2004



The message sent from the mincer to the retailer contains the following information (related to the product respectively GTIN):

Trade Item Identification	Item Sub Identification		
GTIN	Additional ID		
40555550005688	NL1232	Meat history information (origin and processing history)	
Activity History			
Current step identification		1	
Next step identification		2	
Activity Type:		Breeding	
Activity Step			
Country of activity		Belgium	
Performer Type		Breeder	
Performer Identification:		Name: Producer company	
		Street: Backstreet 133	
		City: Brussels	
		Postal code: 12345	
		Country: Belgium	
Date of departure		01.03.2004	
Reason for movement		sale for fattening	
Work Item Identification			
Animal ID	AU71244008		
Work Item Type	Animal	Meat Despatch Information	
		Breeding Details	
		Date of birth	01.01.2004
		Gender	male
		Breed	Jersey
		Feeding system	organic
		Holding system	predominantly barn
		Paternal Identification	AU71244111
		Breed of father	Jersey
		Maternal Identification	AU71244222
		Breed of mother	Jersey
Work Item Identification			
Animal ID	AU71244010		
Work Item Type	Animal	Meat Despatch Information	
		breedingDetails	
		Date of birth	01.01.2004
		Gender	male
		Breed	Jersey
		Feeding system	organic
		Holding system	predominantly barn
		Paternal Identification	AU71244113
		Breed of father	Jersey
		Maternal Identification	AU71244224
		Breed of mother	Jersey
Activity History			
Current step identification		2	



Next step identification		3
Activity Type:		Fattening
Activity Step		1
Country of activity		Netherlands
Performer Type		Fattener
Performer Identification:		Name: Fattening company Street: Bigstreet 5 City: Amsterdam Postal code: 34567 Country: Netherlands
Date of arrival		02.03.2004
Date of departure		01.06.2004
Reason for movement		sale for fattening
Work Item Identification		
Animal ID	AU712440	
	08	
Work Item	Animal	
Type		
		Meat Despatch Information
		Fattening Details
		Feeding system Not specified
		Holding system predominantly pasture
Work Item Identification		
Animal ID	AU712440	
	10	
Work tem	Animal	
Type		
		Meat Despatch Information
		Fattening Details
		Feeding system Not specified
		Holding system predominantly pasture
Activity History		
Current step identification		3
Next step identification		4
Activity Type:		Fattening
Activity Step		2
Country of activity		Germany
Performer Type		Fattener
Performer Identification:		Name: Fettmann KG Street: Kanalstraße 33 City: Köln Postal code: 50825 Country: Germany
Date of arrival		02.06.2004
Date of departure		02.09.2004
Reason for movement		sale for slaughtering
Work Item Identification		
Animal ID	AU712440	
	08	
Work tem	Animal	
Type		
		Meat Despatch Information
		Fattening Details
		Country of fattening Germany
		Feeding system Intensive
		Holding system predominantly pasture
Work Item Identification		
Animal ID	AU712440	
	10	
Work tem	Animal	
Type		
		Meat Despatch Information
		Fattening Details



		Country of fattening	Germany
		Feeding system	Intensive
		Holding system	predominantly pasture
Activity History			
Current step identification		4	
Next step identification		5	
Activity Type:		Slaughtering	
Activity Step			
Country of activity		Belgium	
Performer Type		Slaughterer	
Performer Identification:		GLN: 4012345000009	
		ApprovalNumber:BE234	
Date of arrival		03.09.2004	
Date of departure		05.09.2004	
Reason for movement		sale for cutting	
Work Item Identification			
GTIN		401234500	
		00166	
Animal ID		AU712440	
Work tem Type		Carcass	
		Meat Despatch Information	
		Slaughtering Details	
		Date of slaughter	04.09.2004
		Slaughtering weight	280,3 kg
		Slaughter system	halal
		Category (UN/ECE)	young intact male
		Conformation (SEUROP)	E
		Fat cover (UN/ECE)	Not specified
Work Item Identification			
GTIN		401234500	
		00166	
Animal ID		AU712440	
Work tem Type		Carcass	
		Meat Despatch Information	
		Slaughtering Details	
		Country of Slaughtering	Belgium
		Date of slaughter	04.09.2004
		Slaughtering weight	290,6 kg
		Slaughter system	halal
		Category (UN/ECE)	Young intact male
		Conformation (SEUROP)	E
		Fat cover (UN/ECE)	Not specified
ActivityHistory			
Current step identification		5	
Next step identification		6	
Activity Type:		Cutting	
Activity Step		1	
Country of activity		Belgium	
Performer Type		Cutter	



Performer Identification:		GLN: 4000005000070	
Date of arrival		Approval Number: FR2345	
Date of departure		05.09.2004	
		07.09.2004	
Work Item Identification			
GTIN	400000500		
	99988		
Batch	FR2-NB-		
Number	1523		
Work tem	Meat		
Type		Meat Despatch Information	
		Cutting Details	
		UN/ECE	11643530104000
		classification	15000
Activity History			
Current step identification		6	
Next step identification		7	
Activity Type:		Cutting	
Activity Step		2	
Country of activity		Denmark	
Performer Type		Cutter	
Performer Identification:		GLN: 4400999000016	
Date of arrival		Approval Number: DK98767	
Date of departure		08.09.2004	
		10.09.2004	
Work Item Identification			
GTIN	440099900		
	09933		
Batch	DK3296		
Number			
Work tem	Meat		
Type		Meat Despatch Information	
		Cutting Details	
		UN/ECE	11643530104000
		classification	17999
Activity History			
Current step identification		7	
Next step identification			
Activity Type:		Mincing	
Activity Step		1	
Country of activity		Netherlands	
Performer Type		Mincer	
Performer Identification:		GLN: 4055555999992	
Date of arrival		12.09.2004	
Date of departure		13.09.2004	
Work Item Identification			
GTIN	405555500		
	05688		
Batch	NL1232		
Number			
Work tem	Trade Item		
Type		Meat Despatch Information	
		Mincing Details	
		Fat content	40 %

### Process step 7: Retailer

A shipment of one batch of consumer units from the mincer is received September 30th, 2004.

The batch is made available for sale at a retail outlet October 1st, 2004.



## 5.2 Example 2

This is an example of the eBmeat Line Item Extension to the Despatch Advice message, containing the **restricted origin and production history**.

### Process step 1: Producer

Address of the producer:

Name: Producer company

Street: Backstreet 133

City: Brussels

Postal code: 12345

Country: Belgium

The following animals are born on the farm of the producer:

Animal ID	AU71244008	AU71244009	AU71244010
Date of birth	01.01.2004	02.01.2004	01.01.2004
Gender	male	male	male
Breed	Jersey	Jersey	Jersey
Country of birth	Belgium	Belgium	Belgium
Feeding system	organic	intensive	organic
Holding system	predominantly barn	predominantly barn	predominantly barn
Paternal Identification	AU71244111	AU71244112	AU71244113
Breed of father	Jersey	Jersey	Jersey
Maternal Identification	AU71244222	AU71244223	AU71244224
Breed of mother	Jersey	Jersey	Jersey
Reason for movement	sale for fattening	sale for fattening	sale for fattening
Date of departure	01.03.2004	01.03.2004	01.03.2004

### Process step 2: Fattening farm 1

Address of the fattening farm 1:

Name: Fattening company

Street: Bigstreet 5

City: Amsterdam

Postal code: 34567

Country: Netherlands

Animal ID	AU71244008	AU71244009	AU71244010
Date of arrival	02.03.2004	02.03.2004	02.03.2004
Country of fattening	Netherlands	Netherlands	Netherlands
Feeding system	Not specified	Organic	Not specified
Holding system	predominantly pasture	predominantly pasture	predominantly pasture
Reason for movement	sale for fattening	sale for fattening	sale for fattening



Date of departure	01.06.2004	01.06.2004	01.06.2004
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**Process step 3: Fattening farm 2**

Address of the fattening farm 2:

Name: Fettmann KG

Street: Kanalstraße 33

City: Köln

Postal code: 50825

Country: Germany

Animal ID	AU71244008	AU71244009	AU71244010
Date of arrival	02.06.2004	02.06.2004	02.06.2004
Country of fattening	Germany	Germany	Germany
Feeding system	Intensive	Intensive	Intensive
Holding system	predominantly pasture	predominantly pasture	predominantly pasture
Reason for movement	sale for slaughtering	sale for slaughtering	sale for slaughtering
Date of departure	02.09.2004	02.09.2004	02.09.2004

**Process step 4: slaughterhouse**

A shipment of cows from the "Fettmann company" is received September 3th, 2004. The the information regarding the rearing of each cattle are stored in a data base. The cows are slaughtered and each carcass is identified with the GTIN and ear-tag number of the cow it is derived from.

GLN of the slaughterhouse: 4012345000009

Slaughterhouse approval number: BE234

GTIN	40123450000166	40123450000166	40123450000166
Animal ID	AU71244008	AU71244009	AU71244010
Date of arrival	03.09.2004	03.09.2004	03.09.2004
Country of Slaughtering	Belgium	Belgium	Belgium
Date of slaughter	04.09.2004	04.09.2004	05.09.2004
Slaughtering weight	280,3 kg	285,7 kg	290,6 kg
Slaughter system	halal	kosher	Halal
Category (UN/ECE)	young intact male	heifer	Young intact male
Conformation (SEUROP)	E	S	E
Fat cover (UN/ECE)	Not specified	Peeled Denuded	Not specified
Reason for movement	Sale for cutting	Sale for cutting	Sale for cutting
Date of departure	05.09.2004	05.09.2004	05.09.2004

The slaughterhouse prepares a shipment identified with number "BE59-351-6098" on September 5th, under trading partner agreement "BEF2-CT-2", to the cutting plant with the GLN 4000005000070; the shipment consists of the carcasses of the received and slaughtered cows.



The message sent from the slaughterhouse to cutting plant 1 contains the following information (related to the product respectively GTIN):

Trade Item Identification	Animal Identification		
GTIN	AnimalID		
40123450000166	AU71244008	Meat history information (origin and processing history)	
		Activity History	
		Current step identification	1
		Next step identification	2
		Activity Type:	Breeding
		Activity Step	
		Country of activity	Belgium
		Performer Type	Breeder
		Performer Identification:	Name: Producer company Street: Backstreet 133 City: Brussels Postal code: 12345 Country: Belgium
		Date of departure	01.03.2004
		Reason for movement	sale for fattening
		Meat Despatch Information	
		Breeding Details	
		Date of birth	01.01.2004
		Gender	male
		Breed	Jersey
		Feeding system	organic
		Holding system	predominantly barn
		Paternal Identification	AU71244111
		Breed of father	Jersey
		Maternal Identification	AU71244222
		Breed of mother	Jersey
		Activity History	
		Current step identification	2
		Next Stage Id	3
		Activity Type:	Fattening
		Activity Step	1
		Country of activity	Netherlands
		Performer Type	Fattener
		Performer Identification:	Name: Fattening company Street: Bigstreet 5 City: Amsterdam Postal code: 34567 Country: Netherlands
		Date of arrival	02.03.2004
		Date of departure	01.06.2004
		Reason for movement	sale for fattening
		Meat Despatch Information	
		fattening Details	
		Feeding system	Not specified
		Holding system	predominantly pasture
		Activity History	
		Current step identification	3
		Next step identification	4
		Activity Type:	Fattening
		Activity Step	2
		Country of activity	Germany
		Performer Type	Fattener



Performer Identification: Name: Fettmann KG  
 Street: Kanalstraße 33  
 City: Köln  
 Postal code: 50825  
 Country: Germany

Date of arrival 02.06.2004

Date of departure 02.09.2004

Reason for movement sale for slaughtering

#### Meat Despatch Information fattening Details

Feeding system	Intensive
Holding system	predominantly pasture

#### ActivityHistory

Current step identification 4

Next Stages Id

Activity Type: Slaughtering

Activity Step

Country of activity Belgium

Performer Type Slaughterer

Performer Identification: GLN: 4012345000009  
 ApprovalNumber: BE234

Date of arrival 03.09.2004

Date of departure 05.09.2004

Reason for movement sale for cutting

#### Meat Despatch Information Slaughtering Details

Date of slaughter	04.09.2004
Slaughtering weight	280,3 kg
Slaughter system	halal
Category (UN/ECE)	young intact male
Conformation (SEUROP)	E
Fat cover (UN/ECE)	Not specified

Trade Item Identification	Item Sub Identification
GTIN	Animal ID

4012345000016	AU71244009	Meat history information (origin and processing history)
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### Process step 5: Cutting plant 1

A shipment of carcasses from slaughterhouse with the GLN 4012345000009 is received by the cutting plant 1 identified with GLN 4000005000070 (cutting plant approval number: FR2345) on September 5th, 2004. Two of the carcasses are converted into a batch of primal cuts (product A). Product A is identified with GTIN 4000005009998 and batch number FR2-NB-1523 and consists of the carcasses with the ID's:

- GTIN 40123450000166 / Animal ID AU71244008
- GTIN 40123450000166 / Animal ID AU71244010.

The third carcass is converted into a different product (product B). Product B is identified with GTIN 4000005001114 and batch number FR2-ZZ-9999 and consists of the carcass with the ID:

- GTIN 40123450000166 / Animal ID AU71244009

Product	A	B
GTIN	4000005009998	4000005001114
Batch number	FR2-NB-1523	FR2-ZZ-9999
Date of arrival	05.09.2004	05.09.2004



## Standard (BMS)

Country of cutting	France	France
UN/ECE classification	1164353010400015000	
Date of departure	07.09.2004	07.09.2004

A shipment to cutting hall 2 is prepared on September 7th, 2004 and consists the products derived from the received carcasses.

The message sent from cutting plant 1 to cutting plant 2 contains the following information (related to the product respectively GTIN):

TradeItem Identification	ItemSub Identification	
GTIN	Additional ID	
40000050099988	FR2-NB-1523	Meat history information (origin and processing history)
Activity History		
Current step identification		1
Next step identification		2
Activity Type:		Breeding
Activity Step		
Country of activity		Belgium
Performer Type		Breeder
Performer Identification:		Name: Producer company Street: Backstreet 133 City: Brussels Postal code: 12345 Country: Belgium
Date of arrival		
Date of departure		01.03.2004
Reason for movement		sale for fattening
		Meat Despatch Information
		Breeding Details
		Gender male
		Breed Jersey
		Feeding system organic
		Holding system predominantly barn
		Breed of father Jersey
		Breed of mother Jersey
Activity History		
Current step identification		2
Next step identification		3
Activity Type:		Fattening
Activity Step		1
Country of activity		Netherlands
Performer Type		Fattener
Performer Identification:		Name: Fattening company Street: Bigstreet 5 City: Amsterdam Postal code: 34567 Country: Netherlands
Date of arrival		02.03.2004
Date of departure		01.06.2004
Reason for movement		sale for fattening
		Meat Despatch Information
		Fattening Details
		Feeding system Not specified
		Holding system predominantly pasture
Activity History		
Current step identification		3
Next step identification		4
Activity Type:		Fattening



Activity Step 2  
 Country of activity Germany  
 Performer Type Fattener  
 Performer Identification: Name: Fettmann KG  
 Street: Kanalstraße 33  
 City: Köln  
 Postal code: 50825  
 Country: Germany  
 Date of arrival 02.06.2004  
 Date of departure 02.09.2004  
 Reason for movement sale for slaughtering

**Meat Despatch Information**  
**Fattening Details**

Feeding system	Intensive
Holding system	predominantly pasture

**Activity History**

Current step identification 4  
 Next step identification 5  
 Activity Type: Slaughtering  
 Activity Step  
 Country of activity Belgium  
 Performer Type Slaughterer  
 Performer Identification: GLN: 4012345000009  
 ApprovalNumber:BE234  
 Date of arrival 03.09.2004  
 Date of departure 05.09.2004  
 Reason for movement sale for cutting

**Meat Despatch Information**  
**Slaughtering Details**

Date of slaughter	04.09.2004
Slaughter system	halal
Category (UN/ECE)	young intact male
Conformation (SEUROP)	E
Fat cover (UN/ECE)	Not specified

**Activity History**

Current step identification 5  
 Next step identification  
 Activity Type: Cutting  
 Activity Step 1  
 Country of activity France  
 Performer Type Cutter  
 Performer Identification: GLN: 4000005000070  
 Approval Number: FR2345  
 Date of arrival 05.09.2004  
 Date of departure 07.09.2004

Work tem Type Meat

**Meat Despatch Information**  
**Cutting Details**

UN/ECE classification	1164353010400015000
-----------------------	---------------------

GTIN	Additional ID
40000050011144	FR2-ZZ-9999

Meat history information (origin and processing history)

.....

## Process step 6: Cutting plant 2

A shipment of 2 products of primal cuts from cutting plant 1 is received by the cutting hall 2 identified with GLN 4400999000016 (approval number of cutting hall DK98767) on September 8th, 2004.

Each batch is processed separately and converted into a single batch of secondary cuts.



Product A (GTIN 40000050099988 / batch number FR2-NB-1523) is converted in product C identified with GTIN 44009990009933 and batch number DK3296.

Product B (GTIN 4000005001114 / batch number FR2-ZZ-9999) is converted in product D GTIN 4400999000443 and batch number "DK9999".

Product	C	D
GTIN	44009990009933	44009990004433
Batch number	DK3296	DK9999
Date of arrival	08.09.2004	08.09.2004
Country of cutting	Denmark	Denmark
Date of departure	10.09.2004	10.09.2004

A shipment to the mincer consisting of the two products is prepared on September 10th, 2004.

The message sent from cutting plant 2 to the mincer contains the following information (related to the product respectively GTIN):

TradeItem Identification GTIN	ItemSub Identification Additional ID	Meat history information (origin and processing history)	
44009990009933	DK3296	Activity History	
		Current step identification	1
		Next step identification	2
		Activity Type:	Breeding
		Activity Step	
		Country of activity	Belgium
		Performer Type	Breeder
		Performer Identification:	Name: Producer company Street: Backstreet 133 City: Brussels Postal code: 12345 Country: Belgium
		Date of departure	01.03.2004
		Reason for movement	sale for fattening
		Meat Despatch Information breedingDetails	
		Date of birth	01.01.2004
		Gender	male
		Breed	Jersey
		Feeding system	organic
		Holding system	predominantly barn
		Breed of father	Jersey
		Breed of mother	Jersey
		Activity History	
		Current step identification	2
		Next step identification	3
		Activity Type:	Fattening
		Activity Step	1
		Country of activity	Netherlands
		Performer Type	Fattener
		Performer Identification:	Name: Fattening company Street: Bigstreet 5 City: Amsterdam Postal code: 34567 Country: Netherlands
		Date of arrival	02.03.2004
		Date of departure	01.06.2004
		Reason for movement	sale for fattening



		Meat Despatch Information	
		Fattening Details	
		Feeding system	Not specified
		Holding system	predominantly pasture
Activity History			
		Current step identification	3
		Next step identification	4
		Activity Type:	Fattening
		Activity Step	2
		Country of activity	Germany
		Performer Type	Fattener
		Performer Identification:	Name: Fettmann KG
			Street: Kanalstraße 33
			City: Köln
			Postal code: 50825
			Country: Germany
		Date of arrival	02.06.2004
		Date of departure	02.09.2004
		Reason for movement	sale for slaughtering
		Meat Despatch Information	
		Fattening Details	
		Country of fattening	Germany
		Feeding system	Intensive
		Holding system	predominantly pasture
Activity History			
		Current step identification	4
		Next step identification	5
		Activity Type:	Slaughtering
		Activity Step	
		Country of activity	Belgium
		Performer Type	Slaughterer
		Performer Identification:	GLN: 4012345000009
			ApprovalNumber:BE234
		Date of arrival	03.09.2004
		Date of departure	05.09.2004
		Reason for movement	sale for cutting
		Meat Despatch Information	
		Slaughtering Details	
		Date of slaughter	04.09.2004
		Slaughter system	halal
		Category (UN/ECE)	young intact male
		Conformation (SEUROP)	E
		Fat cover (UN/ECE)	Not specified
Activity History			
		Current step identification	5
		Next step identification	6
		Activity Type:	Cutting
		Activity Step	1
		Country of activity	France
		Performer Type	Cutter
		Performer Identification:	GLN: 4000005000070
			Approval Number: FR2345
		Date of arrival	05.09.2004
		Date of departure	07.09.2004
		Meat Despatch Information	
		Cutting Details	
		UN/ECE classification	1164353010400015000
ActivityHistory			
		Current step identification	6
		Next step identification	





Activity Type: Cutting  
Activity Step 2  
Performer Type Cutter  
Performer Identification: GLN: 4400999000016  
Approval Number: DK98767  
Date of arrival 08.09.2004  
Date of departure 10.09.2004

## Meat Despatch Information

## Cutting Details

UN/ECE classification 1164353010400017999

GTIN	Additional ID
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44009990004433	DK9999
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Meat history information (origin and processing history)

.....

**Process step 6: Mincer**

A shipment of 2 products of secondary cuts from cutting plant 2 is received by the mincer identified with GLN 4055555999992 on September 12th, 2004.

Product C identified with GTIN 44009990009933 and batch number DK3296 is converted into minced beef identified with GTIN 4055555000568 and batch number NL1232.

GTIN	40555550005688
Batch number	NL1232
Date of arrival	12.09.2004
Fat content	40 %
Country of cutting	Netherlands
Date of departure	13.09.2004

The message sent from the mincer to the retailer contains the following information (related to the product respectively GTIN):

TradeItem Identification	ItemSub Identification
GTIN	Additional ID

40555550005688	NL1232
----------------	--------

Meat history information (origin and processing history)

## Activity History

Current step identification 1  
Next step identification 2  
Activity Type: Breeding  
Activity Step  
Country of activity Belgium  
Performer Type Breeder  
Performer Identification: Name: Producer company  
Street: Backstreet 133  
City: Brussels  
Postal code: 12345  
Country: Belgium  
Date of arrival  
Date of departure 01.03.2004  
Reason for movement sale for fattening

## Meat Despatch Information

## breedingDetails

Date of birth	01.01.2004
Gender	male
Breed	Jersey
Feeding system	organic
Holding system	predominantly barn
Breed of father	Jersey
Breed of mother	Jersey



Activity History	
Current step identification	2
Next step identification	3
Activity Type:	Fattening
Activity Step	1
Country of activity	Netherlands
Performer Type	Fattener
Performer Identification:	Name: Fattening company Street: Bigstreet 5 City: Amsterdam Postal code: 34567 Country: Netherlands
Date of arrival	02.03.2004
Date of departure	01.06.2004
Reason for movement	sale for fattening
Meat Despatch Information	
Fattening Details	
Feeding system	Not specified
Holding system	predominantly pasture
Activity History	
Current step identification	3
Next step identification	4
Activity Type:	Fattening
Activity Step	2
Country of activity	Germany
Performer Type	Fattener
Performer Identification:	Name: Fettmann KG Street: Kanalstraße 33 City: Köln Postal code: 50825 Country: Germany
Date of arrival	02.06.2004
Date of departure	02.09.2004
Reason for movement	sale for slaughtering
Meat Despatch Information	
Fattening Details	
Country of fattening	Germany
Feeding system	Intensive
Holding system	predominantly pasture
Activity History	
Current step identification	4
Next step identification	5
Activity Type:	Slaughtering
Activity Step	
Country of activity	Belgium
Performer Type	Slaughterer
Performer Identification:	GLN: 4012345000009 ApprovalNumber:BE234
Date of arrival	03.09.2004
Date of departure	05.09.2004
Reason for movement	sale for cutting
Meat Despatch Information	
Slaughtering Details	
Date of slaughter	04.09.2004
Slaughter system	halal
Category (UN/ECE)	young intact male
Conformation (SEUROP)	E
Fat cover (UN/ECE)	Not specified
Activity History	
Current step identification	5



	Next step identification	6
	Activity Type:	Cutting
	Activity Step	1
	Country of activity	France
	Performer Type	Cutter
	Performer Identification:	GLN: 4000005000070
		Approval Number: FR2345
	Date of arrival	05.09.2004
	Date of departure	07.09.2004
	Meat Despatch Information	
	Cutting Details	
	UN/ECE classification	1164353010400015000
ActivityHistory		
	Current step identification	5
	Next step identification	6
	Activity Type:	Cutting
	Activity Step	2
	Performer Type	Cutter
	Performer Identification:	GLN: 4400999000016
		Approval Number: DK98767
	Date of arrival	08.09.2004
	Date of departure	10.09.2004
	Meat Despatch Information	
	Cutting Details	
	UN/ECE classification	1164353010400017999
ActivityHistory		
	Current step identification	7
	Next step identification	
	Activity Type:	Mincing
	Activity Step	1
	Country of activity	Netherlands
	Performer Type	Mincer
	Performer Identification:	GLN: 4055555999992
	Date of arrival	12.09.2004
	Date of departure	13.09.2004
	Meat Despatch Information	
	Mincing Details	
	Fat content	40 %

**Process step 7: Retailer**

A shipment of 1 batch of consumer units from the mincer is received September 30th, 2004.

The batch is made available for sale at a retail outlet October 1st, 2004.

**Document Example (message after process step 4)**

Attribute	Value
<b>MeatDespatchAdviceLineItemExtension</b>	
<b>AnimalIdentification (+animalIdentification)</b>	
animalIdentificationNumber	AU71244008
<b>MeatActivityHistory (*1)</b>	
meatProcessingActivityTypeCode	BREEDING
currentStepIdentification	1
nextStepIdentification	2
countryOfActivityCode	BE

Attribute	Value
dateOfDeparture	2004-03-01
movementReasonCode	Sale for fattening
<b>MeatProcessingParty</b>	
meatProcessingPartyTypeCode	BREEDER
<b>Address</b>	
name	Producer Company
streetAddressOne	Rue du Bac 133
city	Brussels
postalCode	12345
countryCode	BE
<b>MeatWorkItemIdentification</b>	
meatWorkItemTypeCode	ANIMAL
<b>AnimalIdentification (+animalIdentification)</b>	
animalIdentificationNumber	AU71244008
<b>MeatBreedingDetails</b>	
breedCode	Jersey
breedOfMotherCode	Jersey
breedOfFatherCode	Jersey
dateOfBirth	2004-01-01
feedingSystemCode	organic
genderCode	MALE
housingSystemCode	Predominantly barn
<b>AnimalIdentification (+paternalIdentification)</b>	
animalIdentificationNumber	AU71244111
<b>AnimalIdentification (+maternalIdentification)</b>	
animalIdentificationNumber	AU71244222
<b>MeatActivityHistory (*2)</b>	
meatProcessingActivityTypeCode	FATTENING
currentStepIdentification	2
nextStepIdentification	3
activitySubStepIdentification	1
countryOfActivityCode	NL
dateOfArrival	2004-03-02
dateOfDeparture	2004-06-01
movementReasonCode	Sale for fattening
<b>MeatProcessingParty</b>	
meatProcessingPartyTypeCode	FATTENER
<b>Address</b>	
name	Fattening Company
streetAddressOne	Damstraat 5



Attribute	Value
city	Amsterdam
postalCode	34567
countryCode	NL
<b>MeatWorkItemIdentification</b>	
meatWorkItemTypeCode	ANIMAL
<b>AnimalIdentification (+paternalIdentification)</b>	
animalIdentificationNumber	AU71244008
<b>MeatFatteningDetails</b>	
housingSystemCode	Predominantly pasture
<b>MeatActivityHistory (*3)</b>	
meatProcessingActivityTypeCode	FATTENING
currentStepIdentification	3
nextStepIdentification	4
activitySubStepIdentification	2
countryOfActivityCode	DE
dateOfArrival	2004-06-02
dateOfDeparture	2004-09-02
movementReasonCode	Sale for slaughtering
<b>MeatProcessingParty</b>	
meatProcessingPartyTypeCode	FATTENER
<b>Address</b>	
name	Fettmann KG
streetAddressOne	Kanalstraße 5
city	Köln
postalCode	50825
countryCode	DE
<b>MeatWorkItemIdentification</b>	
meatWorkItemTypeCode	ANIMAL
<b>AnimalIdentification (+animalIdentification)</b>	
animalIdentificationNumber	AU71244008
<b>MeatFatteningDetails</b>	
feedingSystemCode	Intensive
housingSystemCode	Predominantly pasture
<b>MeatActivityHistory (*4)</b>	
meatProcessingActivityTypeCode	SLAUGHTERING
currentStepIdentification	4
countryOfActivityCode	BE
dateOfArrival	2004-09-03
dateOfDeparture	2004-09-05
movementReasonCode	Sale for cutting

Attribute	Value
<b>MeatProcessingParty</b>	
meatProcessingPartyTypeCode	SLAUGHTERER
gln	4012345000009
approvalNumber	BE234
<b>MeatWorkItemIdentification</b>	
meatWorkItemTypeCode	CARCASS
<b>AnimalIdentification (+animalIdentification)</b>	
animalIdentificationNumber	AU71244008
<b>TradeItemIdentification (+productIdentification)</b>	
gtin	40123450000166
<b>MeatSlaughteringDetails</b>	
meatConformationCode	SE
dateOfSlaughtering	2004-09-04
meatCategoryCode	Young intact male
slaughteringSystemCode	halal
slaughteringWeight	280,3 KGM

## 6 Implementation Considerations

### 6.1 User Guide

The Functional User Guide contains more information about the structure and content of the message: [http://www.gs1.org/docs/ecom/xml/3/3.4/eCom-Trade\\_messages.html#DespatchAdviceLineItemExtensionEbmeat](http://www.gs1.org/docs/ecom/xml/3/3.4/eCom-Trade_messages.html#DespatchAdviceLineItemExtensionEbmeat)

### 6.2 Message Specific Considerations

Not Applicable

## 7 Summary of Changes

Any change in the GS1 standards is done based on the Work Request (WR) submitted by the GS1 User Companies or Member Organisations. All Work Requests are documented in the Work Request system available on the GS1 website: <http://wr.gs1.org>. The system is accessible to registered users. New visitors need to register first, to be able to access it. WRs can be searched by the number referenced in tables below, see: Search Work Requests. The number starts with the two last digits of the year when it was submitted, followed by the consecutive number within that year.



**Note:** WRs submitted earlier than February 2012 should be searched in Old Change Requests.

### 7.1 BMS Release 3.0

Change	Associated CR Number
Reworked for Major release 3.0, updated the model, Reports and examples to reflect the changes in modeling methodology.	N/A
Added definition for optimumMaturationDate	N/A
Added the following data types and code lists (formerly part of eCom Common): <ul style="list-style-type: none"> <li>AnimalIdentificationTypeCode</li> <li>MeatProcessingActivityTypeCode</li> <li>MeatProcessingPartyIdentificationTypeCode</li> <li>MeatProcessingPartyTypeCode</li> <li>MeatWorkItemTypeCode</li> </ul>	N/A
<b>Updated for BMS Publication:</b> <ul style="list-style-type: none"> <li>Changed status from Draft to Approved</li> <li>Removed copyright year in footer of document</li> <li>Clean-up of Document Change History</li> <li>Fixed missing definition in Report for attribute optimumMaturationDate in class MeatSlaughteringDetails to "Date at which optimal maturity occurs. " (definition from Release 2.2, def for 3.0 still missing in GDD)</li> <li>Updated architectural principles section to correct fields.</li> </ul>	N/A

### 7.2 BMS Release 3.1

No work requests. Indirect changes due to upgrade to new Shared and eCom Common libraries.

## 7.3 BMS Release 3.2

Change	Associated WR
<p><b>class ebMeat - MeatDespatchAdviceLineItemExtension - maintenance view</b></p> <pre> classDiagram     class MeatActivityHistory {         + meatProcessingActivityTypeCode: MeatProcessingActivityTypeCode         + currentStepIdentification: positiveInteger [0..1]         + nextStepIdentification: positiveInteger [0..1]         + activitySubStepIdentification: positiveInteger [0..1]         + countryOfActivityCode: CountryCode [0..1]         + dateOfArrival: date [0..1]         + dateOfDeparture: date [0..1]         + movementReasonCode: Code [0..1]         + «association» avpList: Ecom_AttributeValuePairList [0..1]     }     class maintenance {         Change: (Verified) 3.2 added +avpList (WR 14-110)     }     MeatActivityHistory "1" -- "0..1" maintenance         </pre>	<p><b>14-000110</b></p> <p>Add Attribute Value Pair at the root, line item and sub line item levels</p>

## 7.4 BMS Release 3.3

Change	Associated WR
<p>Created Ecom_TradeItemIdentification class and changed association from the previous TradeItemIdentification</p> <pre> classDiagram     class MeatWorkItemIdentification {         + meatWorkItemTypeCode :MeatWorkItemTypeCode [0..1]         + batchNumber :string [0..1]         + livestockMobIdentifier :string [0..1]     }     class Ecom_TradeItemIdentification {         +productIdentification     }     class maintenance {         Change: (New) 3.3 changed association from TradeItemIdentification to Ecom_TradeItemIdentification (WR 15-314)     }     MeatWorkItemIdentification "1" -- "0..1" Ecom_TradeItemIdentification     </pre>	<p><b>15-000314</b></p> <p>Make GS1 identification keys optional in GS1 EDI XML</p>

## 7.5 BMS Release 3.4

No work requests. Indirect changes due to upgrade to new Shared and eCom Common libraries.



## 7.6 BMS Release 3.5

No work requests. Indirect changes due to upgrade to new Shared and eCom Common libraries.

## 7.7 BMS Release 3.5.1

No work requests. Indirect changes due to upgrade to new Shared and eCom Common libraries.

## 7.8 BMS Release 3.6

No work requests. Indirect changes due to upgrade to new Shared and eCom Common libraries.

## 7.9 BMS Release 3.7

No work requests. Indirect changes due to upgrade to new Shared and eCom Common libraries.

# 8 Appendices

Not Applicable

# 9 Acknowledgements

## 9.1.1 Work Group

Function	Name	Company / organisation
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Co-chair	Schmidt, Tom Eric	August Storck KG
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Member	Strand, Roman	GS1 Germany
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Member	Tompsett, Simon	Waitrose
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Member	Tyson, Betty	Knouse Foods Cooperative, Inc
Member	Van den Bergh, Senne	GS1 Belgium & Luxembourg
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### 9.1.2 Development Team Members

Function	Name	Organisation
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Technical Development Lead	Miklos Bolyky	GS1 Global Office
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