



The Global Language of Business

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.

1.2 References

Reference Number	Reference Name
[Ref1]	BRD Exchange Traceability and Processing History Data of Beef Products (Slaughter to Retail)
[Ref2]	BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1
[Ref3]	BRD Despatch Advice 1.0.9.3
[Ref4]	EANCOM®-1997 (UN/EDIFACT D.96A)
[Ref5]	EANCOM®-2002 (UN/EDIFACT D.01B)
[Ref6]	Simpl-eb Principles EAN.UCC Business Message Standards July 2001 (Simpl-eb and FMCG extension)
[Ref7]	EbXML Core Components technical specification Version 1.8
[Ref8]	EbXML Core Component Catalogue Feb 2002
[Ref9]	UMM R8D and UMM N90 R10 (UN/CEFACT)
[Ref10]	eCom Domain Common Library 3.6
[Ref11]	Shared Common Library 3.6
[Ref12]	GS1 General Specifications
[Ref13]	GS1 Traceability Implementation ("TRACE-I")
[Ref14]	GCI-Glossary
[Ref15]	Project proposal eBmeat
[Ref16]	Traceability of beef (GS1)
[Ref17]	Stage3OnFarmProject (Australia)
[Ref18]	EANEDI Model 5A (Australia)
[Ref19]	EMEG-EDI Data Dictionary
[Ref20]	UN/ECE standard for bovine carcass and cuts
[Ref21]	UMM R8D and UMM N90 R10 (UN/CEFACT)
[Ref22]	PRODAT / Übermittlung von Stammdaten/Qualitätsdaten zur Rindfleischherkunft mit EANCOM® (Germany)
[Ref23]	DESADV Profil Boucherie (France)

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

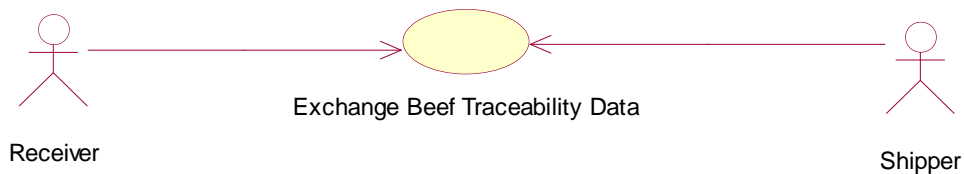
The extension for the “**Exchange Traceability and Processing History Data of Beef Products (Slaughter to Retail)**” details the data needed to be used in conjunction with the Despatch Advice message.

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	A trading agreement (including alignment of master data, payment and delivery terms) has been established between Seller and Buyer. A valid order from the Buyer has been received and accepted. Traceability data for product(s) ordered have been compiled and prepared for exchange by the Shipper. The beef products are uniquely identified.

Post conditions	Receiver has been supplied with traceability data for beef product(s) which he is to receive. Place, time and conditions for delivery have been communicated.															
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" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #d3d3d3;"> <th style="text-align: center;">Step #</th> <th style="text-align: center;">Actor</th> <th style="text-align: center;">Activity Step</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">Shipper</td> <td>Shipper sends the Receiver traceability data of beef products to be delivered.</td> </tr> <tr> <td style="text-align: center;">2</td> <td style="text-align: center;">Receiver</td> <td>Receiver receives this traceability data.</td> </tr> <tr> <td style="text-align: center;">3</td> <td style="text-align: center;">Receiver</td> <td>Receiver cross-checks traceability data with physical delivery.</td> </tr> <tr> <td style="text-align: center;">4</td> <td style="text-align: center;">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	1	Shipper	Shipper sends the Receiver traceability data of beef products to be delivered.	2	Receiver	Receiver receives this traceability data.	3	Receiver	Receiver cross-checks traceability data with physical delivery.	4	Receiver	Receiver adds internal information to traceability data, where applicable.
Step #	Actor	Activity Step														
1	Shipper	Shipper sends the Receiver traceability data of beef products to be delivered.														
2	Receiver	Receiver receives this traceability data.														
3	Receiver	Receiver cross-checks traceability data with physical delivery.														
4	Receiver	Receiver adds internal information to traceability data, where applicable.														
Alternative Scenario	A discrepancy exists between traceability data and the physical delivery. <i>(Must be addressed in a separate project.)</i>															
Business Transaction Rules	None															

Activity Diagram(s)

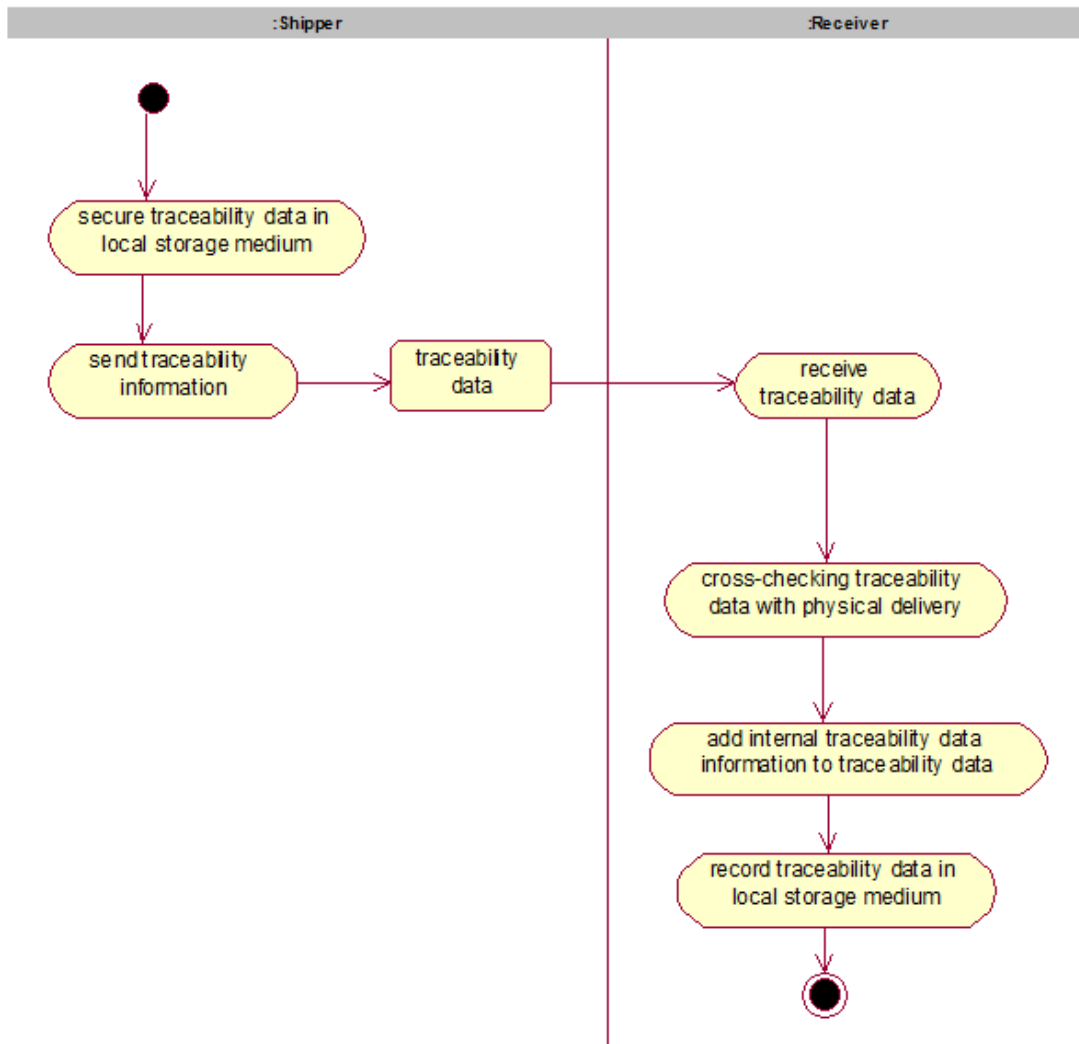


Figure 3-1 – Use Case Diagram: Business Transaction

Sequence Diagram(s)

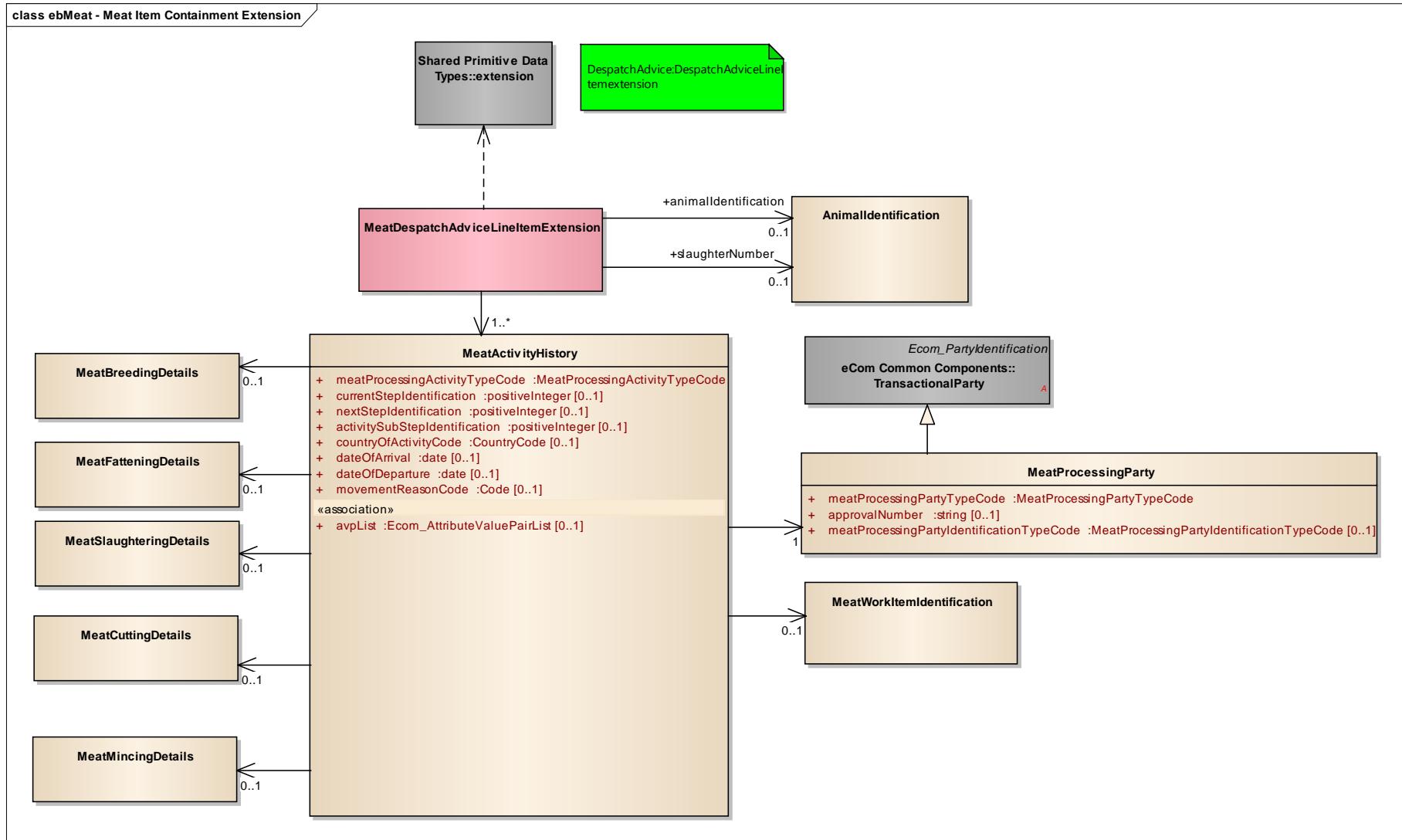
Not Applicable



4 Business Information View

4.1 Meat Despatch Advice Line Item Extension

Class diagram



GDD report



The content of the MeatDespatchAdviceLineItemExtension class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_4/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:MeatDespatchAdviceLineItemExtension

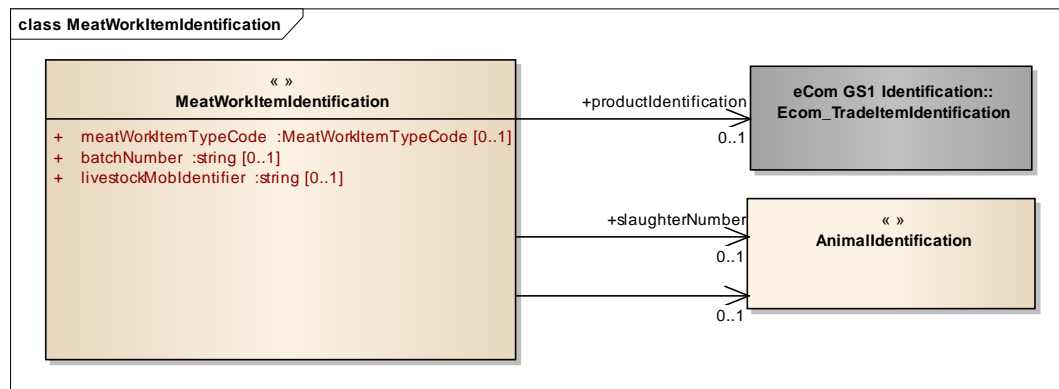
Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
MeatDespatchAdviceLineItemExtension				An extension to the Despatch Advice Document used to enable tracking & tracing (traceability) of beef products.	
Association	animalIdentification	AnimalIdentification	0..1	Unique 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.	



Note: Reference Shared Common Library Business Message (BMS) Release 3.6 and eCom Domain Common Library Business Message (BMS) Release 3.6 for all common information.

4.2 Meat Work Item Identification

Class Diagram



GDD Report

The content of the MeatWorkItemIdentification class, its structure and component definitions can be accessed in the Global Data Dictionary:

http://apps.gs1.org/GDD/bms/Version3_4/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:MeatWorkItemIdentification

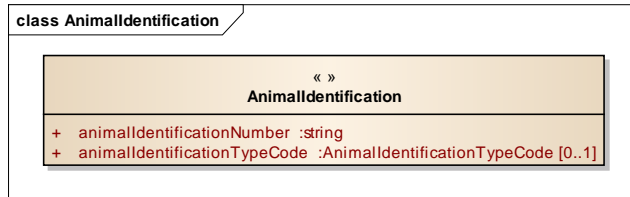
Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
MeatWorkItemIdentification					renamed from WorkItemIdentification
Association		AnimalIdentification	0..1	Unique number given by a competent national authority to identify an animal individually.	
Association	slaughterNumber	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.	



Note: Reference Shared Common Library Business Message (BMS) Release 3.6 and eCom Domain Common Library Business Message (BMS) Release 3.6 for all common information.

4.3 Animal Identification

Class Diagram



GDD Report

The content of the AnimalIdentification class, its structure and component definitions can be accessed in the Global Data Dictionary: http://apps.gs1.org/GDD/bms/Version3_4/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:AnimalIdentification

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.	

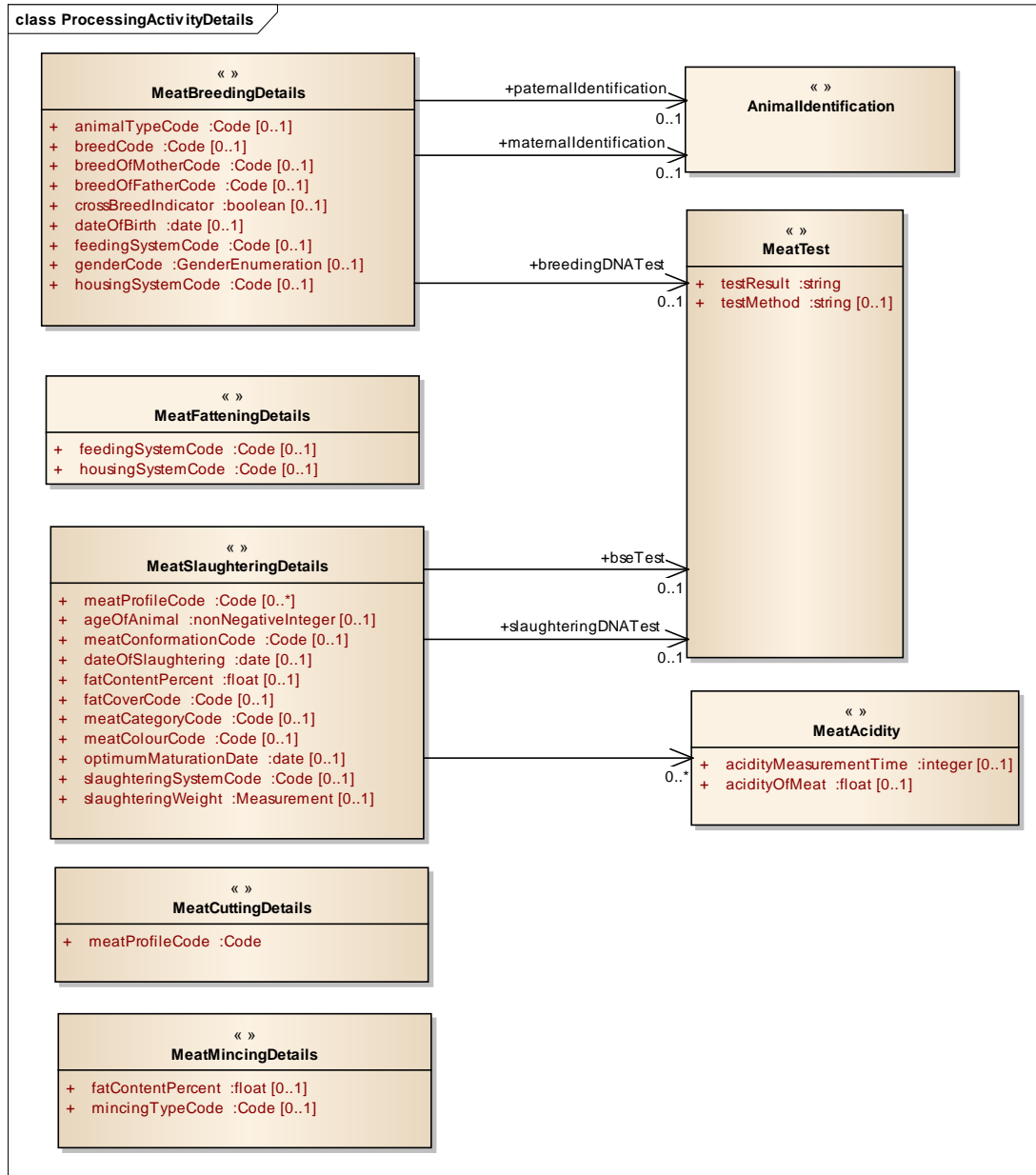


Note: Reference Shared Common Library Business Message (BMS) Release 3.6 and eCom Domain Common Library Business Message (BMS) Release 3.6 for all common information.



4.4 Processing Activity Details

Class Diagram



GDD Report

The content of the MeatBreedingDetails class, its structure and component definitions can be accessed in the Global Data Dictionary: http://apps.gs1.org/GDD/bms/Version3_4/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:MeatBreedingDetails

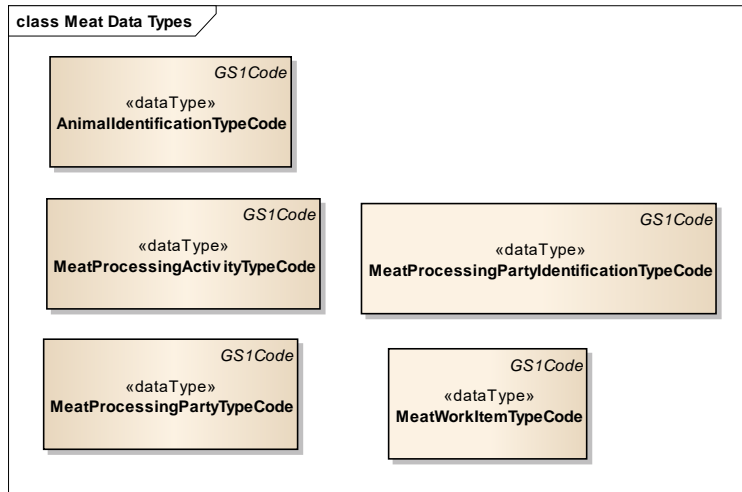
Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
MeatBreedingDetails				Information on the breeding of the meat being processed.	
Association	breedingDNATest	MeatTest	0..1	DNA test used during breeding.	
Association	paternalIdentification	AnimalIdentification	0..1	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.	



Note: Reference Shared Common Library Business Message (BMS) Release 3.6 and eCom Domain Common Library Business Message (BMS) Release 3.6 for all common information.

4.5 Data Types

Class Diagram



GDD 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			



Note: Reference Shared Common Library Business Message (BMS) Release 3.6 and eCom Domain Common Library Business Message (BMS) Release 3.6 for all common information.

4.6 Enumerations (message specific)

Not applicable

4.7 Code Lists

Class	Codelist	Referenced in
MeatActivityHistory	MeatProcessingActivityTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:MeatProcessingActivityTypeCode
MeatActivityHistory	CountryCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:CountryCode
AnimalIdentification	AnimalIdentificationTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:AnimalIdentificationTypeCode
MeatProcessingParty	MeatProcessingPartyTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:MeatProcessingPartyTypeCode
MeatProcessingParty	MeatProcessingPartyIdentificationTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:MeatProcessingPartyIdentificationTypeCode
MeatWorkItemIdentification	MeatWorkItemTypeCode	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:MeatWorkItemTypeCode
MeatBreedingDetails	GenderEnumeration	http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:GenderEnumeration



Note: Refer to the Global Data Dictionary (GDD) 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 400005000070; 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 Stage 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 SE
 (SEUROP)
 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: 400005000070
 Approval Number: FR2345
 Date of arrival 05.09.2004
 Date of departure 07.09.2004

Work Item Identification	
GTIN	400005009998
Batch Number	FR2-NB-1523
Work Item Type	Meat

Meat Despatch Information	
Cutting Details	
UN/ECE classification	1164353010400015000

GTIN	Additional ID
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4000050011144	FR2-ZZ-9999	Meat history information (origin and processing history)
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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 400005009998 / batch number FR2-NB-1523) is converted in product C identified with GTIN 44009990009933 and batch number DK3296.

Product B (GTIN 400005001114 / 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)
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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	
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		Meat Despatch Information	
Work Item Type Animal		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	
WorkItemIdentification			
Animal ID AU71244008		Meat Despatch Information	
Work Item Type Animal		Fattening Details	
		Feeding system	Intensive
		Holding system	predominantly pasture
Work Item Identification			
Animal ID AU71244010		Meat Despatch Information	
Work tem Type Animal		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	Meat Despatch Information	
Animal ID	AU71244008	Slaughtering Details	
Work Item Type	Carcass	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	Meat Despatch Information	
Animal ID	AU71244010	Slaughtering Details	
Work tem Type	Carcass		



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: 400005000070
 Approval Number: FR2345
 Date of arrival 05.09.2004
 Date of departure 07.09.2004

Work Item Identification	
GTIN	4000050099988
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	Meat history information (origin and processing history)
GTIN	Additional ID	
4055550005688	NL1232	

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 Type Animal

Meat Despatch Information
 Fattening Details
 Feeding system Not specified
 Holding system predominantly pasture

Work Item Identification
 Animal ID AU712440
 10
 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 AU712440
 08
 Work Item Type Animal

Meat Despatch Information
 Fattening Details
 Country of fattening Germany
 Feeding system Intensive
 Holding system predominantly pasture

Work Item Identification
 Animal ID AU712440
 10
 Work Item Type Animal

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 08	
	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 10	
	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
 Approval Number: FR2345
 Date of arrival 05.09.2004
 Date of departure 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
 Approval Number: DK98767
 Date of arrival 08.09.2004
 Date of departure 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



Standard (BMS)

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.



Standard (BMS)

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

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 4000050099988 / batch number FR2-NB-1523) is converted in product C identified with GTIN 44009990009933 and batch number DK3296.

Product B (GTIN 400005001114 / 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	ItemSub Identification	Additional ID	
44009990009933	DK3296		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 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
44009990004433	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 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: 400005000070
 Approval Number: FR2345
 Date of arrival 05.09.2004
 Date of departure 07.09.2004

Meat Despatch Information Cutting Details	
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UN/ECE classification	1164353010400015000
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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	
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UN/ECE classification	1164353010400017999
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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 %
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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
MeatDespatchAdviceLineItemExtension	
AnimalIdentification (+animalIdentification)	
animalIdentificationNumber	AU71244008
MeatActivityHistory (*1)	
meatProcessingActivityTypeCode	BREEDING
currentStepIdentification	1
nextStepIdentification	2
countryOfActivityCode	BE



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



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

Attribute	Value
MeatProcessingParty	
meatProcessingPartyTypeCode	SLAUGHTERER
gln	4012345000009
approvalNumber	BE234
MeatWorkItemIdentification	
meatWorkItemTypeCode	CARCASS
AnimalIdentification (+animalIdentification)	
animalIdentificationNumber	AU71244008
TradeItemIdentification (+productIdentification)	
gtin	40123450000166
MeatSlaughteringDetails	
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

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, GDD reports and examples to reflect the changes in modeming 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"> ■ AnimalIdentificationTypeCode ■ MeatProcessingActivityTypeCode ■ MeatProcessingPartyIdentificationTypeCode ■ MeatProcessingPartyTypeCode ■ MeatWorkItemTypeCode 	N/A
<p>Updated for BMS Publication:</p> <ul style="list-style-type: none"> ■ Changed status from Draft to Approved ■ Removed copyright year in footer of document ■ Clean-up of Document Change History ■ Fixed missing definition in GDD 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) ■ Updated architectural principles section to correct fields. 	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>class ebMeat - MeatDespatchAdviceLineItemExtension - maintenance view</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p style="text-align: center;">« »</p> <p style="text-align: center;">MeatActivityHistory</p> <ul style="list-style-type: none"> + 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] <hr/> <p style="text-align: center;"><i>maintenance</i></p> <p>Change: (Verified) 3.2 added +avpList (WR 14-110)</p> </div>	<p>14-000110</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> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p>class MeatWorkItemIdentification - maintenance view</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p style="text-align: center;">« »</p> <p style="text-align: center;">MeatWorkItemIdentification</p> <ul style="list-style-type: none"> + meatWorkItemTypeCode :MeatWorkItemTypeCode [0..1] + batchNumber :string [0..1] + livestockMobIdentifier :string [0..1] <hr/> <p style="text-align: center;"><i>maintenance</i></p> <p>Change: (New) 3.3 changed association from TradeItemIdentification to Ecom_TradeItemIdentification (WR 15-314)</p> </div> <div style="margin-left: 20px;"> <p>+productIdentification → 0..1</p> <div style="border: 1px solid gray; padding: 2px; width: fit-content;"> <p style="text-align: center;">eCom GS1 Identification:: Ecom_TradeItemIdentification</p> <hr/> <p style="text-align: center;"><i>maintenance</i></p> <p style="text-align: center;">Change: (New) 3.3 New class (WR 15-314)</p> </div> </div> </div>	<p>15-000314</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.

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	Bodemer, Petra	dm-drogerie markt GmbH + Co. KG
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Member	Strand, Roman	GS1 Germany
Member	Tan, Milton	GS1 Malaysia
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Member	Van den Bergh, Senne	GS1 Belgium & Luxembourg
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9.1.2 Development Team Members

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