

Business Message Standard (BMS)

for

Deliver Extension

**Exchange Traceability and Processing History Data
of Beef Products (Slaughter to Retail)**

**BRG: Deliver
Project Team: eBmeat 2**

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Document Summary

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Note: During development include revisions in history. Upon Approval, eliminate revisions and include only delta from previous version.

| Date of Change | Version | Changed By | Reason for Change | Summary of Change | Model Build # |
|----------------|---------|----------------|-------------------|--|---|
| 26.04.2005 | 1.0.0 | Frank Kuhlmann | Migration | Migration of BRD to standard BMS/BSD format | 6058 //depot/EAN.UCC/BS Ds/deliver/ BMS_Deliver_Extensi on_eBmeat .doc |
| 26.06.2005 | 1.0.1 | Eric Kauz | Best Practices | <ul style="list-style-type: none"> updated names of code lists created common class of Steplden-tification | |

| | | | | | |
|------------|-------|----------------|-------------------|---|-------------------------------|
| | | | | <ul style="list-style-type: none"> changed name of extension class. changed context classification. | |
| 12.07.2005 | 1.0.2 | Eric Kauz | Best Practices | <ul style="list-style-type: none"> Added Test Class into BSD. | |
| 25.07.2005 | 1.0.3 | Eric Kauz | Errata | <ul style="list-style-type: none"> Updated GDD report for Optimum Maturation | |
| 30.08.2005 | 1.0.4 | Eric Kauz | ITRG Review | <ul style="list-style-type: none"> Made relationship from MeatHistory-Information to MeatActivity-History Mandatory Removed qualitySystem from the Slaughtering Class as there was no requirement for this attribute. Removed ActivityStep from GDD Report. Updated Technical Information in Section 2 to reflect latest template. Changed implementation of slaughter-Number in WorkItemIdentification. | |
| 13.10.2005 | 1.0.5 | John Ryu | Build Master QA | Change depicted in section 1.10 | BSD P4CL: 7576 MDL P4CL: 7570 |
| 07.03.2007 | 1.0.6 | Andrew Hearn | Errata | Update BMS Version Number | |
| 25.04.2007 | 1.0.7 | Giovanni Biffi | Editorial Changes | Minor Editorial Changes to the Document | N/A |

Business Message Standard

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1 Business Solution

1.1 Business Domain View

1.1.1 Problem Statement / Business Need

- No global recommendation for the traceability of unprepared beef by using AIDC and EDI in an efficient and effective way; how to link the physical and information flow in the beef supply chain (slaughter to retail).
- No general understanding of beef-specific terms and requirements for unprepared beef; where these exist, they are national and ill-suited to international trade/e-commerce.

1.1.2 Objective

The objectives of this extension are:

- Describe the exchange of production history data of unprepared beef in order to support traceability and quality management.
- Creation of UML-based business models for the global beef supply chain (slaughter to retail) using Rational Rose as a modelling tool, and involving beef trading partners and users, to better enable *tracking & tracing* (henceforth referred to in this context as “traceability”) of beef products.
- Definition of beef-specific terms for the EAN.UCC Global Data Dictionary.

1.1.3 Audience

- Slaughterhouse
- Post-Slaughter Processor
- Wholesaler
- Retailer
- Service Provider [Carrier/Logistic Service Provider] (to be expanded on in a future project)

1.1.4 Artefacts

| Artefact name | State | Artefact / State description |
|--|-------|------------------------------|
| BRD Exchange Traceability and Processing History Data of Beef Products (Slaughter to Retail) | | |

1.1.5 References

Business Solution Design

| | Reference Name | Description |
|---------|---|-------------|
| [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] | EAN.UCC Modelling Methodology (Draft) | |
| [Ref11] | EAN.UCC Core Components (Draft) | |
| [Ref12] | EAN.UCC General Specifications | |
| [Ref13] | EAN•UCC Traceability Implementation (“TRACE-I”) | |
| [Ref14] | GCI-Glossary | |
| [Ref15] | Project proposal eBmeat | |
| [Ref16] | Traceability of beef (EAN International) | |
| [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) | |

1.1.6 Acknowledgements

1.1.6.1 BRG Members

| function | Name | Company / organisation |
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| BRG Co-chair | Sue Donarski | Schneider Logistics |
| BRG Member | Regina De Baker | Watkins |
| BRG Member | Shanda Marvin | Procter & Gamble |
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1.1.6.2 ITRG Members

| Function | Name | Company / organisation |
|-------------|------|------------------------|
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| ITRG Member | | |

1.1.6.3 Task/Project Group Participants

Project Team Members

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| Participant | Regina De Baker | Watkins |
| Participant | Dean Yuhas | Millard Refrigeration |
| Participant | Sue Donarski | Schneider Logistics |
| Participant | Paul Martin | General Mills |
| Participant | Kari Melhus | Target Corporation |
| Participant | Jeff Miller | Kraft Foods, Inc. |
| Participant | Franck Napoli | LMI |
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1.1.6.4 Design Team Members

| Function | Name | Organisation |
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Business Solution Design

| | | |
|---------------------------|-----------------------------------|------------------------|
| XML Technical Designer | | |
| EANCOM Technical Designer | | |
| Peer Reviewer | Janssen, Coen (BRD) Kauz, Eric | GS1 Netherlands GS1 |

1.2 Business Context

(Note: The context of the business)

| Context Category | Value(s) |
|----------------------|---------------------------------------|
| Industry | All |
| Geopolitical | All |
| Product | Unprepared Meat |
| Process | Deliver |
| Official Constraints | None |
| Roles | Shipper, Ship From, Receiver, Ship To |
| System Capabilities | EANCOM, XML |

1.3 Additional Technical Requirements Analysis

1.3.1 Technical Requirements (optional)

| Number | Statement | Rationale |
|--------|-----------|-----------|
| 1. | | |

1.4 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.

1.4.1 Business Transaction Use Case Diagram

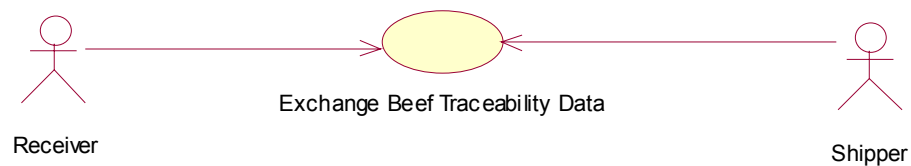


Figure 1 – Use Case Diagram: Business Transaction

1.4.2 Use Case Description

| Use Case ID | | | | | | | | | | | | | | | | |
|----------------------------|--|--|-------|---------------|----|---------|--|----|----------|---|----|----------|---|----|----------|--|
| 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) | <ul style="list-style-type: none">Shipper (Slaughterhouse; Post-Slaughter Processor, Wholesaler)Receiver (Post-Slaughter Processor, Wholesaler, Retailer) | | | | | | | | | | | | | | | |
| Performance Goals | None | | | | | | | | | | | | | | | |
| Preconditions | <ul style="list-style-type: none">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 | <ul style="list-style-type: none">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><tr><th>Step #</th><th>Actor</th><th>Activity Step</th></tr><tr><td>1.</td><td>Shipper</td><td>Shipper sends the Receiver traceability data of beef products to be delivered.</td></tr><tr><td>2.</td><td>Receiver</td><td>Receiver receives this traceability data.</td></tr><tr><td>3.</td><td>Receiver</td><td>Receiver cross-checks traceability data with physical delivery.</td></tr><tr><td>4.</td><td>Receiver</td><td>Receiver adds internal information to traceability data, where applicable.</td></tr></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. (Must be addressed in a separate project.) | | | | | | | | | | | | | | | |
| Business Transaction Rules | None | | | | | | | | | | | | | | | |

1.4.3 Business Transaction Activity Diagram(s)

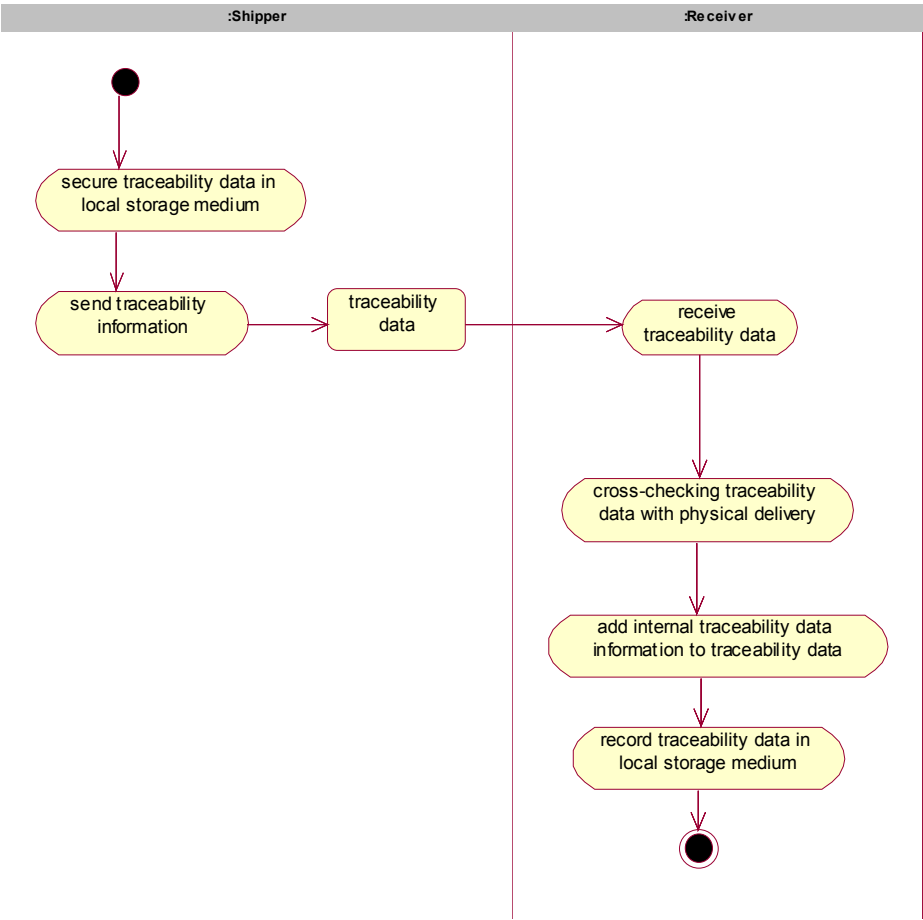


Figure 2 – Use Case Diagram: Business Transaction

1.4.4 Business Transaction Sequence Diagram(s) (optional)

Business Solution Design

1.5 Information Model

1.5.1 Data Description

| Class (ABIE) | Attribute (BBIE) | Association (ASBIE) | Secondary Class | Related Requirement |
|------------------------------|------------------------|---------------------------|------------------------|---------------------|
| MeatHistoryInformation | | | | |
| | | | MeatActivityHistory | |
| MeatItemContainmentExtension | | <extends> | ItemContainment | |
| | | slaughterNumber | AnimalIdentification | {ref1} |
| | | animalIdentification | AnimalIdentification | {ref1} |
| | | | MeatHistoryInformation | |
| ProcessingActivity | | | | |
| | ProcessingActivityType | | | {ref1} |
| | countryOfActivity | | | {ref1} |
| | | Processingactivitystep | StepIdentification | {ref1} |
| ProcessingActivityStep | | | | |
| | StepNumber | | | {ref1} |
| AnimalIdentification | | | | |
| | identificationNumber | | | {ref1} |
| | identificationType | | | {ref1} |
| MeatActivityHistory | | | | |
| | | <choice> | WorkItemIdentification | |
| | | | ProcessingActivity | |
| | | | Movement | |
| | | currentStepIdentification | StepIdentification | {ref1} |
| | | nextStepIdentification | StepIdentification | {ref1} |

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| | | | | |
|-------------------------|-------------------------|---------------------|-------------------------|--------|
| | | performer | PerformerInformation | {ref1} |
| | | <choice> | MeatDespatchInformation | |
| StepIdentification | | | | |
| | stepNumber | | | {ref1} |
| Slaughtering | | | | |
| | ageOfAnimal | | | {ref1} |
| | categoryOfMeat | | | {ref1} |
| | dateOfSlaughtering | | | {ref1} |
| | fatContent | | | {ref1} |
| | slaughteringSystem | | | {ref1} |
| | fatCover | | | {ref1} |
| | conformation | | | {ref1} |
| | colourOfMeat | | | {ref1} |
| | slaughteringWeight | | | {ref1} |
| | optimumMaturation-Date | | | {ref1} |
| | profileOfMeat | | | {ref1} |
| | | meatAcidity | | {ref1} |
| | | slaughteringDNATest | Test | {ref1} |
| | | bseTest | Test | {ref1} |
| Mincing | | | | |
| | fatPercentOfMinced-Meat | | | {ref1} |
| | typeOfMincing | | | {ref1} |
| MeatDespatchInformation | | | | |
| | | | Breeding | |
| | | | Fattening | |
| | | | Mincing | |
| | | | Cutting | |

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| | | | | |
|----------------------|-------------------------|------------------------|----------------------|--------|
| | | | Slaughtering | |
| Fattening | | | | |
| | housingSystem | | | {ref1} |
| | feedingSystem | | | {ref1} |
| Cutting | | | | |
| | profileOfMeat | | | {ref1} |
| Breeding | | | | |
| | breed | | | {ref1} |
| | breedOfMother | | | {ref1} |
| | breedOfFather | | | {ref1} |
| | crossBreed | | | {ref1} |
| | dateOfBirth | | | {ref1} |
| | gender | | | {ref1} |
| | typeOfAnimal | | | {ref1} |
| | housingSystem | | | {ref1} |
| | feedingSystem | | | {ref1} |
| | | paternalIdentification | AnimalIdentification | {ref1} |
| | | maternalIdentification | AnimalIdentification | {ref1} |
| | | breedingDNATest | Test | {ref1} |
| MeatAcidity | | | | |
| | acidityOfMeat | | | {ref1} |
| | acidityMeasurement-Time | | | {ref1} |
| Movement | | | | |
| | dateOfArrival | | | {ref1} |
| | dateOfDeparture | | | {ref1} |
| | movementReason | | | {ref1} |
| PerformerInformation | | | | |
| | performerType | | | {ref1} |

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| | | | | |
|------------------------|------------------------------|-------------------------|-------------------------|--------|
| | approvalNumber | | | {ref1} |
| | performerIdentification-Type | | | |
| | | performerIdentification | PartyIdentification | {ref1} |
| | | performerAddress | NameAndAddress | {ref1} |
| Test | | | | |
| | testResult | | | {ref1} |
| | testMethod | | | {ref1} |
| WorkItemIdentification | | | | |
| | workItemType | | WorkItemTypeList | {ref1} |
| | | | MeatDespatchInformation | {ref1} |
| | | | OtherIdentification | {ref1} |
| | | | AnimalIdentification | {ref1} |
| | | slaughterNumber | AnimalIdentification | {ref1} |
| | | | MeatDespatchInformation | {ref1} |
| | | productIdentification | TradeItemIdentification | {ref1} |
| OtherIdentification | | | | |
| | livestockMob | | | {ref1} |
| | batchNumber | | | {ref1} |

Business Solution Design

1.5.2 GDD Report

| Class (ABIE) | Attribute (BBIE) | Association (ASBIE) | Secondary Class | Official Dictionary Entry Name | Definition | Multiplicity |
|------------------------------|------------------------|---------------------------|------------------------|--------------------------------|--|--------------|
| MeatHistoryInformation | | | | | | |
| | | | MeatActivityHistory | | | 1..* |
| MeatItemContainmentExtension | | <extends> | ItemContainment | | | |
| | | slaughterNumber | AnimalIdentification | | Unique number given by a slaughterhouse to an animal. | 0..1 |
| | | animalIdentification | AnimalIdentification | | Unique number given by a competent national authority to identify an animal individually. | 0..1 |
| | | | MeatHistoryInformation | | | 0..1 |
| ProcessingActivity | | | | | | |
| | processingActivityType | | | | Processing undertaken at a given point. | 1..1 |
| | countryOfActivity | | | | Country where processing takes place. | 0..1 |
| | | ProcessingActivityStep | StepIdentification | | | 0..* |
| AnimalIdentification | | | | | | |
| | identificationNumber | | | | ID number for a given animal. | 1..1 |
| | identificationType | | | | Nature of the ID number. | 0..1 |
| MeatActivityHistory | | | | | | |
| | | <choice> | WorkItemIdentification | | | 1..* |
| | | | ProcessingActivity | | | 1..* |
| | | | Movement | | | 0..1 |
| | | currentStepIdentification | StepIdentification | | Cardinal sequence of the current processing activity, in relation to the processing history. | 0..1 |
| | | nextStepIdentification | StepIdentification | | Cardinal sequence of the sub- | 0..1 |

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| | | | | | | |
|--------------------|------------------------|-------------|-------------------------|--|--|------|
| | | | | | sequent processing activity, in relation to the processing history. | |
| | | performer | PerformerInformation | | Identity of stakeholder undertaking a given process. | 1..1 |
| | | <choice> | MeatDespatchInformation | | | 1..* |
| StepIdentification | | | | | | |
| | stepNumber | | | | Cardinal sequence of the current processing step, in relation to the processing history. | 1..1 |
| Slaughtering | | | | | | |
| | ageOfAnimal | | | | Age of the animal, in months, on the day of its slaughter. | 0..1 |
| | categoryOfMeat | | | | Classification of meat in terms of gender and or age of the animal from which it is derived. | 0..1 |
| | dateOfSlaughtering | | | | Date of slaughtering | 0..1 |
| | fatContent | | | | An indication of the fat content of a product | 0..1 |
| | slaughteringSystem | | | | Tools methods and practices used for the slaughter. | 0..1 |
| | fatCover | | | | External fat thickness/level. | 0..1 |
| | conformation | | | | The quality of the meat at the carcass.(related to meat quality) | 0..1 |
| | colourOfMeat | | | | Colour of meat | 0..1 |
| | slaughteringWeight | | | | Warm weight after slaughter. | 0..1 |
| | optimumMaturation-Date | | | | Date at which optimal maturity occurs. | 0..1 |
| | profileOfMeat | | | | Specific and official quality system. | 0..* |
| | | meatAcidity | | | The meat's acid quality or condition, expressed as a pH value. | 0..* |

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| | | | | | | |
|-------------------------|-------------------------|---------------------|--------------|--|---|------|
| | | slaughteringDNATest | Test | | n/a | 0..1 |
| | | bseTest | Test | | BSE test is used to determine whether the animal has been tested or not | 0..1 |
| Mincing | | | | | | |
| | fatPercentOfMinced-Meat | | | | Fat content of minced meat | 0..1 |
| | typeOfMincing | | | | Type of mincing of the meat | 0..1 |
| MeatDespatchInformation | | | | | | |
| | | | Breeding | | | 0..1 |
| | | | Fattening | | | 0..* |
| | | | Mincing | | | 0..* |
| | | | Cutting | | | 0..* |
| | | | Slaughtering | | | 0..1 |
| Fattening | | | | | | |
| | housingSystem | | | | Type of housing/holding of the animal | 0..1 |
| | feedingSystem | | | | Specifies the method of the feeding/fattening. | 0..1 |
| Cutting | | | | | | |
| | profileOfMeat | | | | Specific and official quality system. | 0..* |
| Breeding | | | | | | |
| | breed | | | | A particular type of animal that has been developed by people in a controlled way. | 0..1 |
| | breedOfMother | | | | See Breed. | 0..1 |
| | breedOfFather | | | | See Breed. | 0..1 |
| | crossBreed | | | | Indicates an animal stemming from parents of different breeds, where the breed of only one parent is known. | 0..1 |

Business Solution Design

| | | | | | |
|----------------------|------------------------------|-------------------------|----------------------|--|------|
| | dateOfBirth | | | Birth date/time of the animal. | 0..1 |
| | gender | | | Gender, the state of being either male or female | 0..1 |
| | typeOfAnimal | | | Official term which specifies milk or meat. | 0..1 |
| | housingSystem | | | Type of housing/holding of the animal | 0..1 |
| | feedingSystem | | | Specifies the method of the feeding/fattening. | 0..1 |
| | | paternalIdentification | AnimalIdentification | See Animal identification. | 0..1 |
| | | maternalIdentification | AnimalIdentification | See Animal identification. | 0..1 |
| | | breedingDNATest | Test | n/a | 0..1 |
| MeatAcidity | | | | | |
| | acidityOfMeat | | | The meat's acid quality or condition, expressed as a pH value. | 0..1 |
| | acidityMeasurement-Time | | | Point in time when the pH-value is measured. | 0..1 |
| Movement | | | | | |
| | dateOfArrival | | | Date when the animal arrives at a new location. | 0..1 |
| | dateOfDeparture | | | Date when the animal is departing to another location. | 0..1 |
| | movementReason | | | Explanation for animal's transfer to another location | 0..1 |
| PerformerInformation | | | | | |
| | performerType | | | Nature of stakeholder. | 1..1 |
| | approvalNumber | | | Veterinary licence number allocated by a national authority | 0..1 |
| | performerIdentification-Type | | | Nature of stakeholder ID. | 0..1 |
| | | performerIdentification | PartyIdentification | Stakeholder ID, in the form of a mandatory GLN. | 0..1 |

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| | | | | | | |
|------------------------|--------------|-----------------------|-------------------------|--|--|------|
| | | performerAddress | NameAndAddress | | Stakeholder name and address. | 0..1 |
| Test | | | | | | |
| | testResult | | | | Result of test. | 1..1 |
| | testMethod | | | | Nature of test. | 0..1 |
| WorkItemIdentification | | | | | | |
| | workItemType | | WorkItemTypeList | | Nature of article being processed. | 0..1 |
| | | | MeatDespatchInformation | | | 1..1 |
| | | | OtherIdentification | | | 0..1 |
| | | | AnimalIdentification | | | 0..1 |
| | | slaughterNumber | AnimalIdentification | | Unique number given by a slaughterhouse to an animal. | 0..1 |
| | | productIdentification | TradeItemIdentification | | ID of product, in the form of a mandatory GTIN. | 0..1 |
| OtherIdentification | | | | | | |
| | livestockMob | | | | A collection of like breeds of livestock animals. Usually the livestock is moveable as a group. | 0..1 |
| | batchNumber | | | | 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. | 0..1 |

1.5.3 Class Diagrams

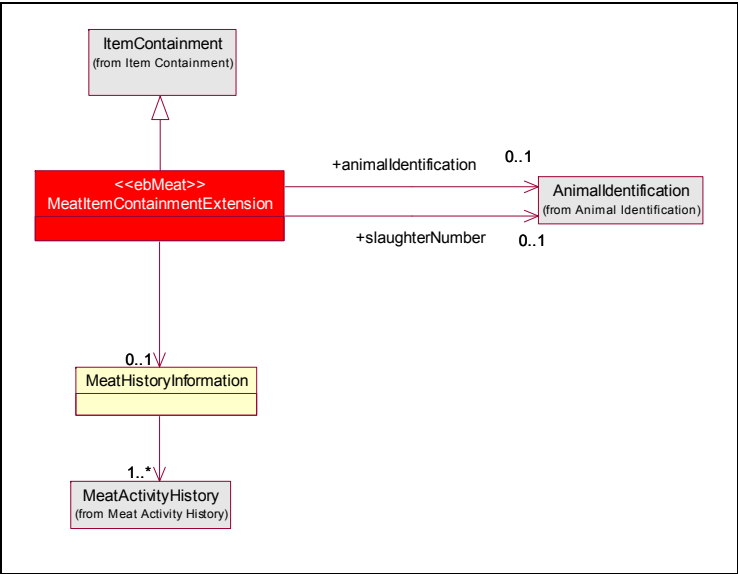


Figure 3 – Class Diagram: Despatch Advice: Meat Traceability Extension

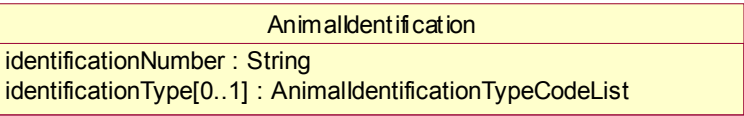


Figure 4 – Class Diagram: Animal Identification

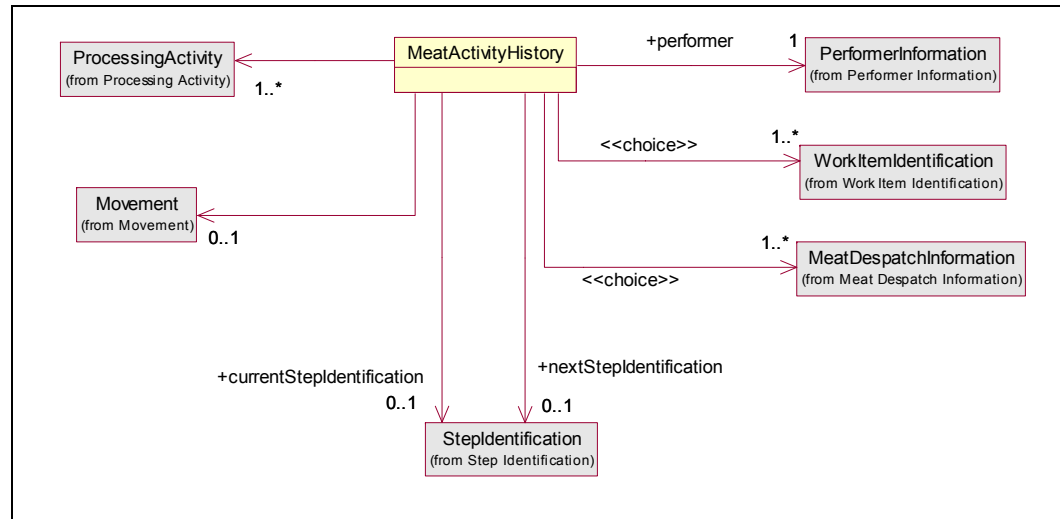


Figure 5 – Class Diagram: Meat Activity History Information

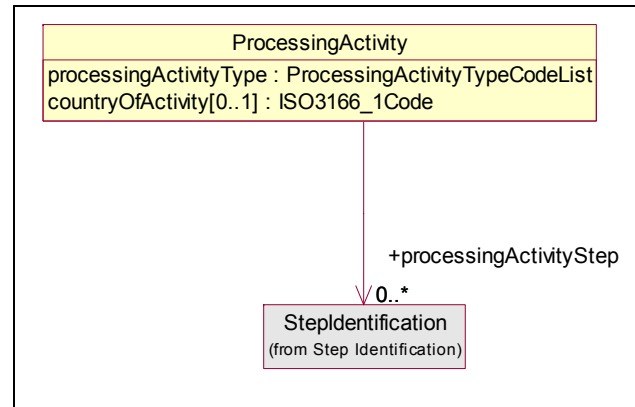


Figure 6 – Class Diagram: Processing Activity

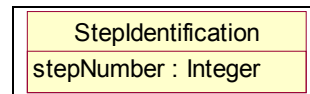


Figure 7 – Class Diagram: Step Identification

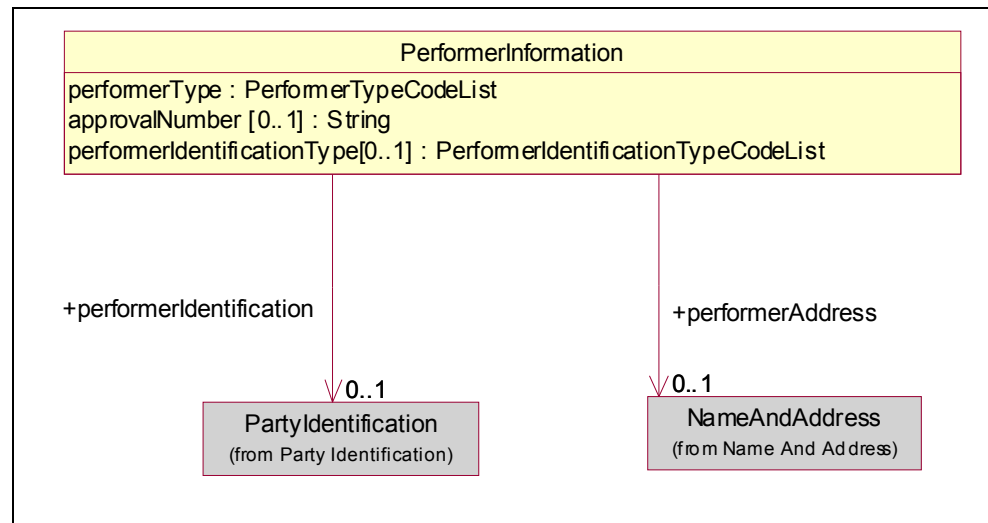


Figure 8 – Class Diagram: Performer Information

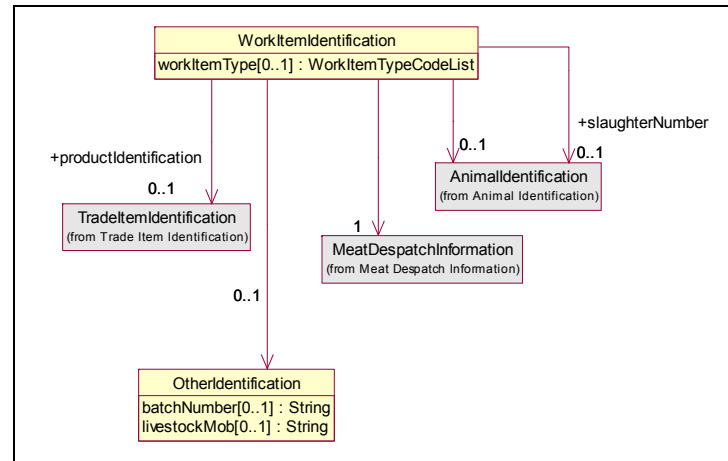


Figure 9 – Class Diagram: Work Item Identification

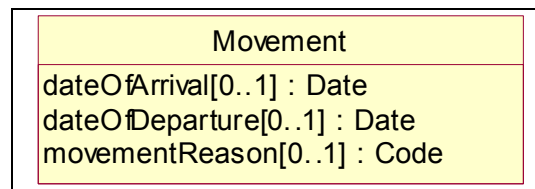


Figure 10 – Class Diagram: Movement

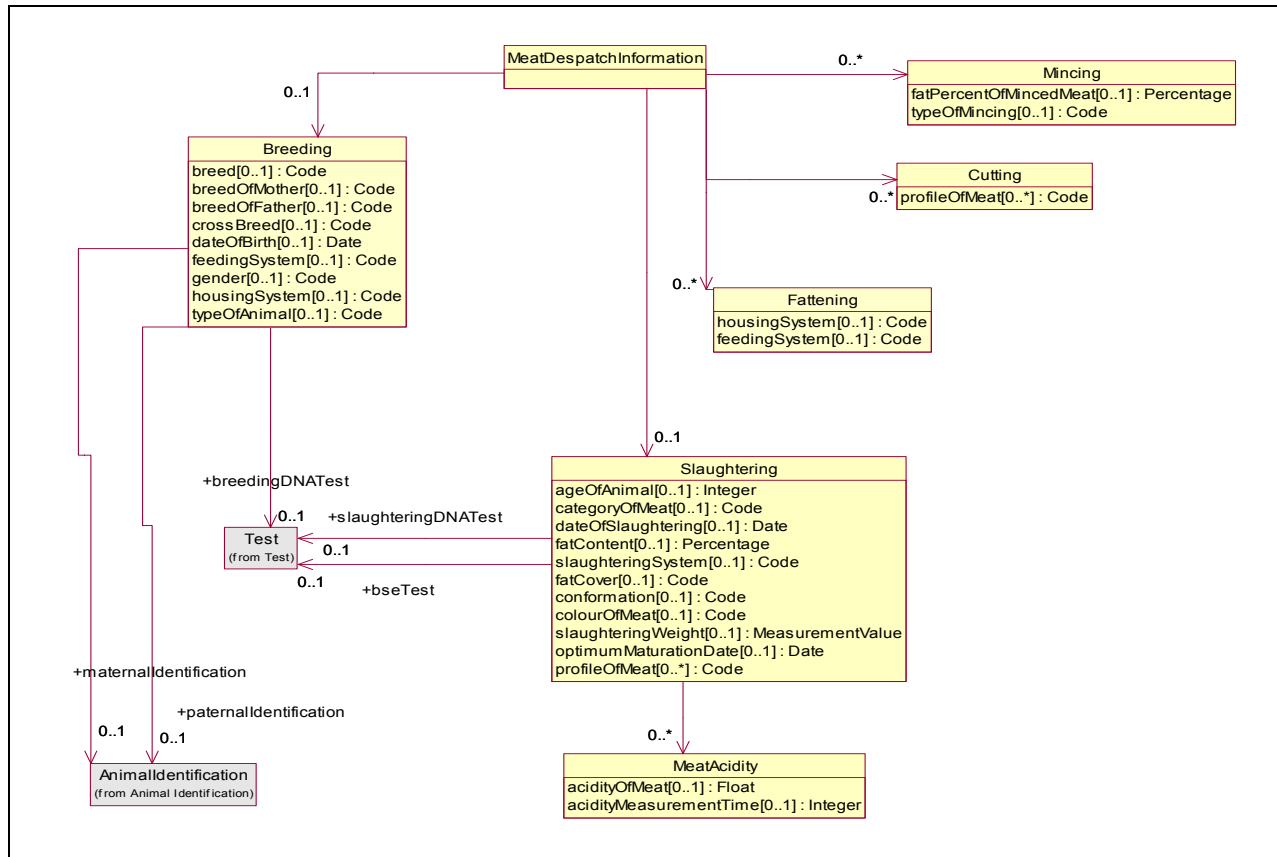


Figure 11 – Class Diagram: Meat Despatch Information

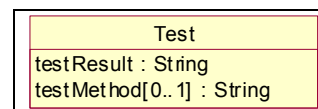


Figure 12 – Class Diagram: Test

Business Solution Design

1.5.4 Code Lists

| Code List Name | Code List Description |
|--------------------------------|-----------------------|
| ProcessingActivityTypeCodeList | |
| Code Name | Code Description |
| BREEDING | |
| CUTTING | |
| FATTENING | |
| MINCING | |
| SLAUGHTERING | |

| Code List Name | Code List Description |
|----------------------------------|-----------------------|
| AnimalIdentificationTypeCodeList | |
| Code Name | Code Description |
| EARTAG_NUMBER | |
| ALTERNATE_IDENTIFIER | |

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| Code List Name | Code List Description |
|-------------------------------------|-----------------------|
| PerformerIdentificationTypeCodeList | |
| Code Name | Code Description |
| GLN | |
| ADDRESS | |
| APPROVAL_NUMBER | |

| Code List Name | Code List Description |
|-----------------------|-----------------------|
| PerformerTypeCodeList | |
| Code Name | Code Description |
| BREEDER | |
| SLAUGHTERER | |
| FATTENER | |
| CUTTER | |
| MINCER | |

| Code List Name | Code List Description |
|----------------------|-----------------------|
| WorkItemTypeCodeList | |
| Code Name | Code Description |
| TRADE_ITEM | |
| ANIMAL | |
| CARCASS | |
| MEAT | |

1.6 Business Document Example

The examples describe show the information flow within the beef supply chain from the slaughterhouse to the retailer. The **example** is related to the origin and processing history of the product(s).

1.6.1 Example (Origin and production history)

Examples A describes two different scenarios. Both scenarios are covered by this extension. The usage is strongly dependent on the specific business context. The business partners involved have to agree on one of the following scenarios.

In scenario 1 the business partner receives aggregated detailed information of the origin and processing history of each animal which is used for the meat product, e.g. animal ID of mother and father of each animal.

In scenario 2 the partner receives a limited set of information of the origin and processing history, e.g. country of birth for all the animals which are used for the respective meat product.

1.6.2 Scenario 1: 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 slaughteringslaugh- tering | 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

Business Solution Design

| | | | |
|-------------------------|-------------------|------------------|-------------------|
| GTIN | 4012345000016 | 4012345000016 | 4012345000016 |
| 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 | | |
| 4012345000016 | 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 |

Business Solution Design

| | | | |
|---------------------------------|--|-----------------------------|---|
| | | 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 | 4012345000016 |
| | | 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 | | |
| 4012345000016 | 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 4012345000016 / Animal ID AU71244008
- GTIN 4012345000016 / 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 4012345000016 / 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 | | | |

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| | | |
|-----------------------------|--|---|
| 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 |

Business Solution Design

| | | | | |
|--------------------------|--|-----------------------------|---------------------------|-----------------------|
| 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 | 4012345000016 | |
| | | 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 | 4012345000016 | |
| | | Animal ID | AU71244010 | |
| | | Work Item Type | Carcass | |
| | | | Meat Despatch Information | |
| | | | Slaughtering Details | |

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| | | | |
|------------------|-----------------------------|--|---------------------|
| | | 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 | | |
| 4000005001114 | 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 4400999000993 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 | 4400999000993 | 4400999000443 |
| 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.

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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 | | |
| 4400999000993 | 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 |
| | | 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 |

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| | | | |
|-----------------------------|---------------|---------------------------|-----------------------|
| 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 | |
| WorkItemIdentification | | | |
| 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 | 4012345000016 | | |
| Animal ID | AU71244008 | | |
| Work Item Type | Carcass | | |
| | | Meat Despatch Information | |
| | | Slaughtering Details | |
| | | Date of slaughter | 04.09.2004 |
| | | Slaughtering weight | 280,3 kg |

Business Solution Design

| | | | |
|--------------------------|----------------|--|--------------------------|
| | | Slaughter system | halal |
| | | Category (UN/ECE) | young intact male |
| | | Conformation (SEUROP) | E |
| | | Fat cover (UN/ECE) | Not specified |
| Work Item Identification | | | |
| GTIN | 4012345000016 | | |
| Animal ID | AU71244010 | | |
| 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 |
| 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 | 4000005009998 | | |
| 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 | 44009990000993 | | |
| Batch Number | DK3296 | | |
| Work tem Type | Meat | | |
| | | Meat Despatch Information | |
| | | Cutting Details | |
| | | UN/ECE classification | 1164353010400017999 |
| GTIN | Additional ID | | |
| 44009990000443 | DK9999 | 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.

Business Solution Design

Product C identified with GTIN 4400999000993 and batch number DK3296 is converted into minced beef identified with GTIN 4055555000568 and batch number NL1232.

| | |
|--------------------|---------------|
| GTIN | 4055555000568 |
| 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 | | |
| 4055555000568 | 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 | |

Business Solution Design

| | | |
|-----------------------------|--|---|
| 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 tem 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 |
| | | Country of fattening Germany |
| | | Feeding system Intensive |
| | | Holding system predominantly pasture |
| Work Item Identification | | |
| Animal ID | | AU71244010 |
| Work tem 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 |

Business Solution Design

| | |
|-----------------------------|--------------------------|
| 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 | 4012345000016 |
| Animal ID | AU71244008 |
| 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 | 4012345000016 |
| Animal ID | AU71244010 |
| 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 | 4000005000998 |
| 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 | 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 | |

Business Solution Design

| | | | |
|-----------------------------|--|--|--|
| GTIN 4400999000993 | | Meat Despatch Information Cutting Details | |
| Batch Number DK3296 | | | |
| Work tem Type Meat | | UN/ECE classification 1164353010400017999 | |
| 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 | | 4055555000568 | |
| Batch Number | | NL1232 | |
| Work tem Type | | Trade Item | |
| | | 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.

1.6.3 Scenario 2: 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 |

Business Solution Design

| | | | |
|-------------------|------------|------------|------------|
| 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 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 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 | 4012345000016 | 4012345000016 | 4012345000016 |
| 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 |

Business Solution Design

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 40000050000070; 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 | | |
| 4012345000016 | 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) | |
| | | | |

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 4012345000016 / Animal ID AU71244008
- GTIN 4012345000016 / 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 4012345000016 / Animal ID AU71244009

Business Solution Design

| 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 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 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 |

Business Solution Design

| | | | |
|-----------------------------|---------------|---|-----------------------|
| | | 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 | | |
| 4000005001114 | 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 4400999000993 and batch number DK3296.

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

| Product | C | D |
|--------------------|---------------|---------------|
| GTIN | 4400999000993 | 4400999000443 |
| 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 | | |
|--------------------------|------------------------|--|--|
| GTIN | Additional ID | | |
| 4400999000993 | 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 | |

Business Solution Design

| | | | |
|--|-----------------------------|---|-----------------------|
| | 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 | |

| Meat Despatch Information | |
|---------------------------|---------------------|
| Cutting Details | |
| UN/ECE classification | 1164353010400015000 |

ActivityHistory

| Meat Despatch Information | |
|---------------------------|---------------------|
| Cutting Details | |
| UN/ECE classification | 1164353010400017999 |

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.

| | |
|--------------|---------------|
| GTIN | 4055555000568 |
| Batch number | NL1232 |

Activity History

Current step identification

0 1

Business Solution Design

| | |
|-------------------------------|---|
| 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 | |

Business Solution Design

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.

1.7 Implementation Considerations

1.8 Testing

1.8.1 Pass / Fail Criteria

Unit testing criteria for business solution.

| Number | Test Criteria | Related Requirement | Design Element | Pass Criteria | Fail Criteria |
|--------|---------------|---------------------|----------------|---------------|---------------|
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |

1.8.2 Test Data

| Attribute | Value |
|-----------|-------|
| | |
| | |

1.9 Appendices

1.10 Summary of Changes

(Details changes to BMS for each version by BMS Section)

| Change | BMS Ver- sion | Associated CR Number |
|--|------------------|-------------------------|
| Renamed attribute in Slaughtering class. optimumMaturation→ optimumMaturationDate Updated accordingly in GDD and Class Diagram Applied Modelling Best Practice Enabled Visibility of external classes. Alphabetize attributes in OtherIdentification class Reformatted figure #'s. Assigned Unique ID to BSD. | 1.0.5 | |

2 Technical Solution Design

This section provides the specifications for the standards content ITRG approves. It is called the Technical Solution Design (TSD).

The Technical Solution Design contains:

- TSD Zip file Table of Contents
- Business Message Standard Section Technical Level GDD Report
- XSD (XML Schema Documents)
- XML Instance File and HTML Form View (XML and HTML files containing sample data specified in Section 1.6)

In the process of approving the Technical Solution Design, the ITRG will be provided the following artefacts:

- Any relevant Business Requirements Analysis Document (BRAD)
- Any relevant Business Requirements Document (BRD)
- Section 1 of Business Message Standard (Business Solution Design)
- Comment Resolution Template from Technical Public Review
- XML Test Report
- Change Request
- Other informative or reference documents