



The Global Language of Business

# Consumption Report Business Message Standard (BMS)

*Release 3.6 Ratified, Mar 2023*



## Document Summary

| Document Item    | Current Value                                      |
|------------------|--|
| Document Name    | Consumption Report Business Message Standard (BMS) |
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## Work Request Reference

| Date of WR Submission to GSMP: | WR Submitter(s):                    | Refer to Work Request (WR) Number(s): |
|--------------------------------|-------------------------------------|---------------------------------------|
| 20-Aug-2008                    | John Ryu                            | 08-000209                             |
| 13-Feb-2008                    | Michal Martinko,<br>Hewlett-Packard | 08-000019                             |
| 05-Nov-2004                    | GS1                                 | 04-000211                             |
| 7-Feb-2014                     | GS1 Germany                         | 14-000021                             |
| 20-Mar-2014                    | GS1 Slovenia                        | 14-000044                             |
| 25-Jun-2014                    | GS1 GO                              | 14-000110                             |
| 12-Jul-2016                    | GS1 GO                              | 16-000340                             |
| 03-Oct-2018                    | GS1 GO                              | 18-000319                             |

## Business Requirements Document (BRAD) Reference

| BRAD Title  | BRAD Issue Date | BRAD Version |
|---|-----------------|--------------|
| BRAD Upstream Standards – Despatch, Receipt & Consumption | 29-Nov-2004     | 0.1.1        |

## Document Change History

| Date of Change | Version           | Changed By      | Reason for Change | Summary of Change      |
|----------------|-------------------|-----------------|-------------------|------------------------|
| 12-Jan-2012    | BMS 3.0 – Issue 1 | Mark Van Eeghem | BMS Release 3.0   | See summary of changes |
| 01-May-2013    | BMS 3.1 – Issue 1 | Coen Janssen    | BMS Release 3.1   | See summary of changes |
| 15-Sep-2014    | BMS 3.2 – Issue 1 | Ewa Iwicka      | BMS Release 3.2   | See summary of changes |
| 01-Mar-2017    | BMS 3.3 – Issue 1 | Ewa Iwicka      | BMS Release 3.3   | See summary of changes |
| 15-Oct-2018    | BMS 3.4 – Issue 1 | Ewa Iwicka      | BMS Release 3.4   | See summary of changes |
| 03-Feb-2021    | BMS 3.5 – Issue 1 | Miklos Bolyky   | BMS Release 3.5   | See summary of changes |

| Date of Change | Version             | Changed By    | Reason for Change | Summary of Change      |
|----------------|---------------------|---------------|-------------------|------------------------|
| 05-Jan-2022    | BMS 3.5.1 – Issue 1 | Miklos Bolyky | BMS Release 3.5.1 | See summary of changes |
| 01-Mar-2023    | BMS 3.6 – Issue 1   | Miklos Bolyky | BMS Release 3.6   | See summary of changes |

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# 1 Business Domain View

## 1.1 Introduction

### Message Definition

The Consumption Report message enables the buyer needs to communicate the consumed products (e.g. used materials or sold goods) to the seller.

### Principles

This information is required in consignment stock scenarios, where the invoice will be based on the consumed quantities rather than on the delivered quantities.

## 1.2 References

| Reference Name  | Description   |
|---|---|
| BMS eCom Domain Common Library Release 3.6                      | The documented design of components that are used in multiple messages within the eCom domain.          |
| BMS Shared Common Library Release 3.6                           | The documented design of components that are used in multiple messages within the eCom domain and GDSN. |
| BRAD Upstream Standards – Despatch, Receipt & Consumption 0.1.1 |   |

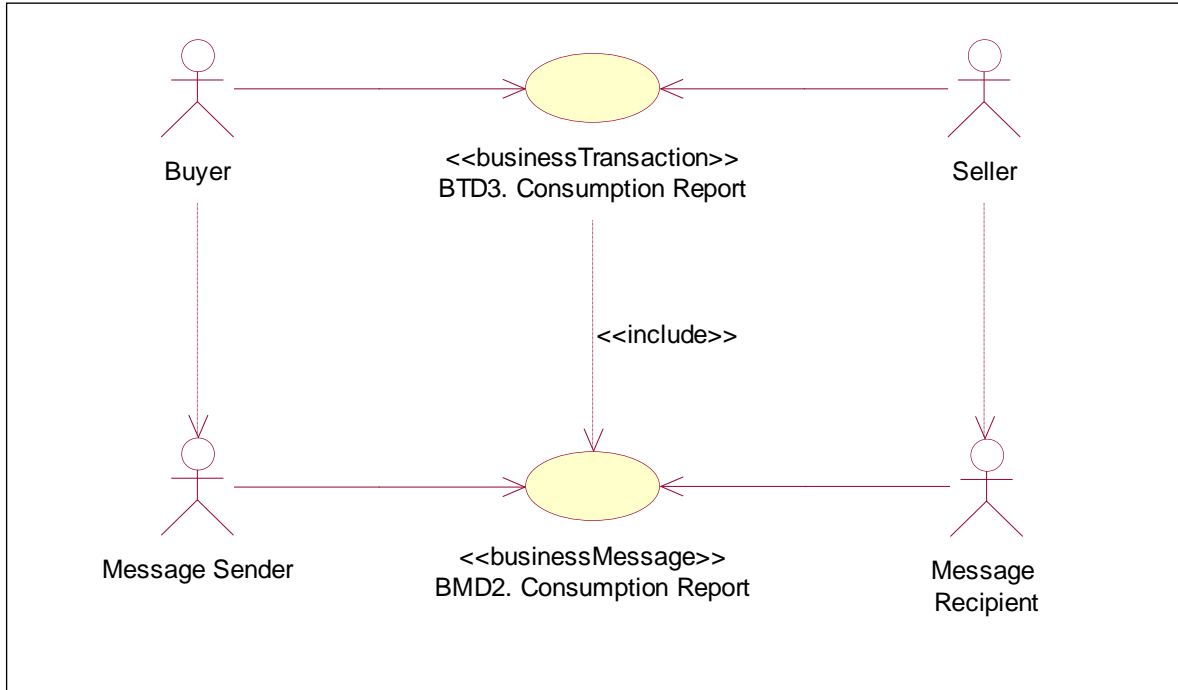
# 2 Business Context

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

### 3 Business Transaction View

#### 3.1 Business Transaction – Consumption Report

Use Case Diagram



Use Case Description

| <b>Use Case ID</b>          | BTD3  |   |        |       |               |  |       |   |  |        |                                     |
|-----------------------------|---|---|--------|-------|---------------|--|-------|---|--|--------|-------------------------------------|
| <b>Use Case Name</b>        | Consumption Report  |   |        |       |               |  |       |   |  |        |                                     |
| <b>Use Case Description</b> | The buyer communicates the consumed goods to the seller.  |   |        |       |               |  |       |   |  |        |                                     |
| <b>Actors (Goal)</b>        | Buyer: To send the consumption report.<br>Seller: To receive the consumption report.  |   |        |       |               |  |       |   |  |        |                                     |
| <b>Performance Goals</b>    |   |   |        |       |               |  |       |   |  |        |                                     |
| <b>Preconditions</b>        | Goods Consumption: CALCULATED   |   |        |       |               |  |       |   |  |        |                                     |
| <b>Post conditions</b>      | Goods Consumption: COMMUNICATED   |   |        |       |               |  |       |   |  |        |                                     |
| <b>Scenario</b>             | Begins when:<br>The Buyer has calculated the goods that were consumed during the consumption period.<br>Continues with: <table border="1" data-bbox="568 1738 1474 1895"> <thead> <tr> <th>Step #</th> <th>Actor</th> <th>Activity Step</th> </tr> </thead> <tbody> <tr> <td></td> <td>Buyer</td> <td>Sends Consumption Report message to the Seller.</td> </tr> <tr> <td></td> <td>Seller</td> <td>Receives Consumption Report Message</td> </tr> </tbody> </table> Ends when: |   | Step # | Actor | Activity Step |  | Buyer | Sends Consumption Report message to the Seller. |  | Seller | Receives Consumption Report Message |
| Step #                      | Actor   | Activity Step                                   |        |       |               |  |       |   |  |        |                                     |
|                             | Buyer   | Sends Consumption Report message to the Seller. |        |       |               |  |       |   |  |        |                                     |
|                             | Seller  | Receives Consumption Report Message             |        |       |               |  |       |   |  |        |                                     |
| <b>Alternative Scenario</b> | <i>Not Applicable</i>   |   |        |       |               |  |       |   |  |        |                                     |

|                                   |                       |
|-----------------------------------|-----------------------|
| <b>Business Transaction Rules</b> | <i>Not Applicable</i> |
|-----------------------------------|-----------------------|

**Activity Diagram(s)**

Not Applicable

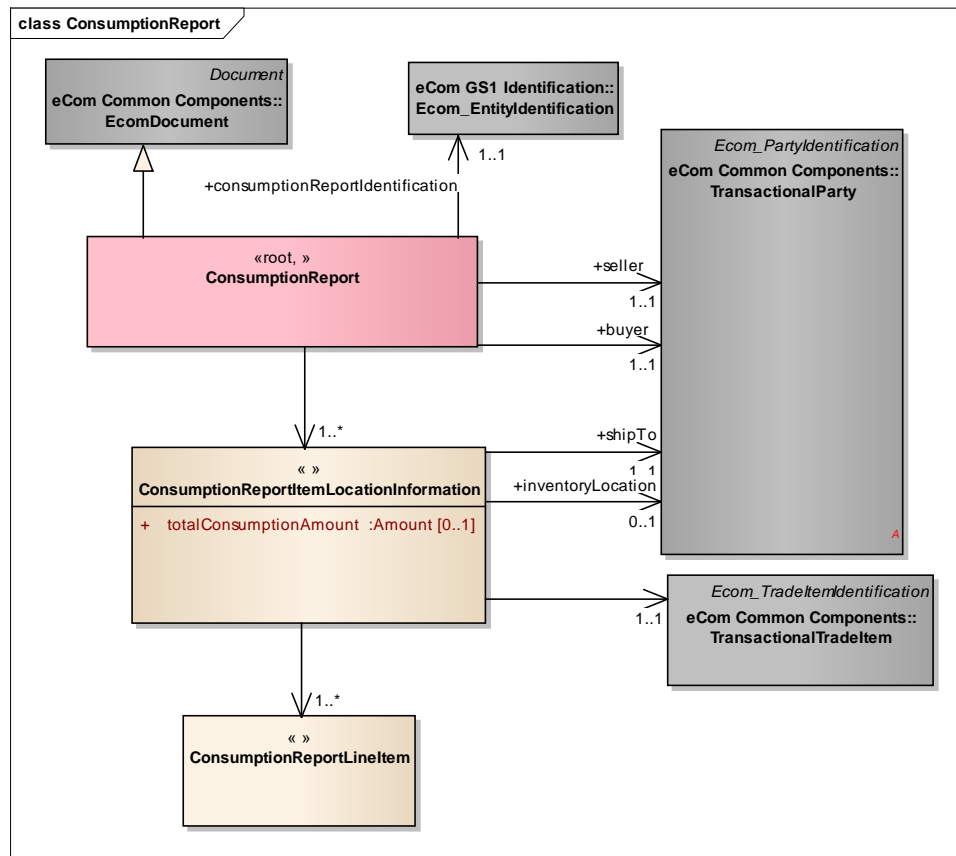
**Sequence Diagram(s) (optional)**

Not Applicable

## 4 Business Information View

### 4.1 Consumption Report

#### Class diagram





**GDD report**

The content of the ConsumptionReport 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:ConsumptionReport](http://apps.gs1.org/GDD/bms/Version3_4/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:ConsumptionReport)

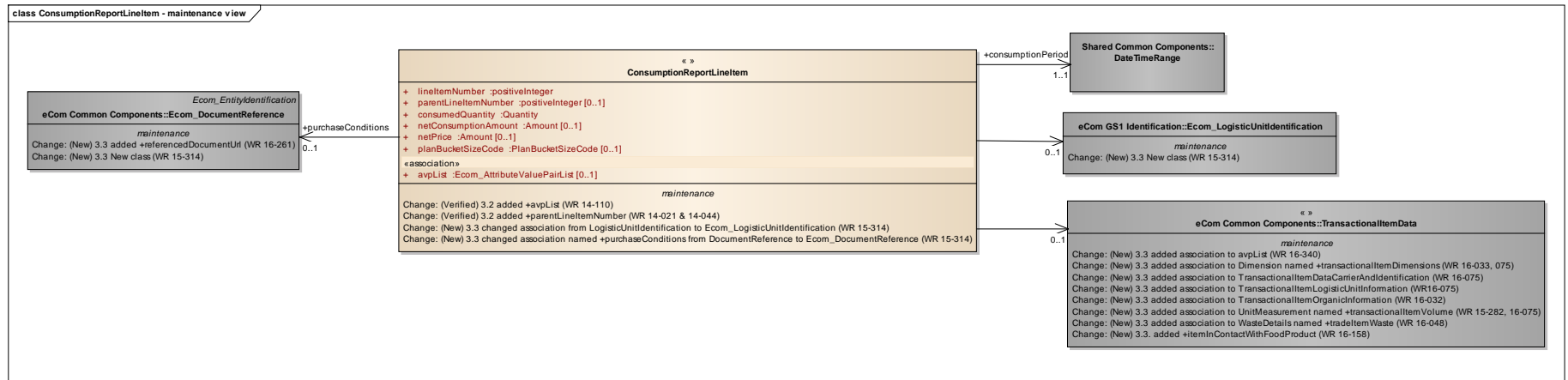
| Content           | Attribute / Role                | Datatype /Secondary class                | Multiplicity | Definition  | Requirements |
|-------------------|---------------------------------|--|--------------|---|--------------|
| ConsumptionReport |                                 |  |              | The Consumption Report message enables the buyer needs to communicate the consumed products (e.g. used materials or sold goods) to the seller. This information is required in consignment stock scenarios, where the invoice will be based on the consumed quantities rather than on the delivered quantities. |              |
| Association       |                                 | ConsumptionReportItemLocationInformation | 1..*         | Contains the consumption information for given trade items and locations for specific time periods.   |              |
| Generalization    |                                 | EcomDocument                             |              | Basic information about the content of the message including version number, creation date and time.  |              |
| Association       | buyer                           | TransactionalParty                       | 1..1         | Contains the identification of the party that is buying the goods.  |              |
| Association       | seller                          | TransactionalParty                       | 1..1         | Contains the identification of the party that is selling the goods.   |              |
| Association       | consumptionReportIdentification | Ecom_EntityIdentification                | 1..1         | Contains the unique identifier of the business document.  |              |



**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 Consumption Report Line Item

### Class Diagram



### GDD Report

The content of the ConsumptionReportLineItem 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:ConsumptionReportLineItem](http://apps.gs1.org/GDD/bms/Version3_4/Pages/bieDetails.aspx?semanticURN=urn:gs1:gdd:bie:ConsumptionReportLineItem)

| Content                   | Attribute / Role  | Datatype /Secondary class       | Multiplicity | Definition  | Requirements |
|---------------------------|-------------------|---------------------------------|--------------|---|--------------|
| ConsumptionReportLineItem |                   |                                 |              | Contains the consumption information for the specified time period.   |              |
| Association               | consumptionPeriod | DateTimeRange                   | 1..1         | Contains the start and end dates and optionally start and end times of the period in which the goods were consumed.   |              |
| Association               |                   | Ecom_LogisticUnitIdentification | 0..1         | Contains the identification of the logistic unit item that applies to the reported goods consumption.                 |              |
| Association               |                   | TransactionalItemData           | 0..1         | Contains additional item data such as batch number and best before date that apply to the reported goods consumption. |              |

| Content     | Attribute / Role     | Datatype /Secondary class   | Multiplicity | Definition   | Requirements |
|-------------|----------------------|-----------------------------|--------------|--|--------------|
| Association | purchaseConditions   | Ecom_DocumentReference      | 0..1         | Contains a reference to the commercial agreement under which the goods are supplied.   |              |
| Attribute   | lineItemNumber       | positiveInteger             | 1..1         | Provides the line number associated to the Consumption Report Line Item.   |              |
| Attribute   | consumedQuantity     | Quantity                    | 1..1         | The number of units consumed.  |              |
| Attribute   | netConsumptionAmount | Amount                      | 0..1         | The agreed amount to be paid for the total number of units (E.g. KG, EA, Pallet) in agreed currency (e.g. USD, EUR, SFR) of the purchased or consumed goods. |              |
| Attribute   | netPrice             | Amount                      | 0..1         | The agreed amount to be paid per unit (E.g. KG, EA, Pallet) in agreed currency (e.g. USD, EUR, SFR) of the purchased or consumed goods.                      |              |
| Attribute   | planBucketSizeCode   | PlanBucketSizeCode          | 0..1         | Contains a code describing the size of the consumption period.   |              |
| Attribute   | parentLineItemNumber | positiveInteger             | 0..1         | The number of line item containing information about the parent of the current item. It allows establishing hierarchical link between the two items.         |              |
| Attribute   | avpList              | Ecom_AttributeValuePairList | 0..1         | Temporary attributes introduced between minor versions.  |              |



**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 Enumerations (message specific)

Not Applicable

### 4.4 Code Lists

| Class                     | Codelist           | Referenced in   |
|---------------------------|--------------------|---|
| ConsumptionReportLineItem | PlanBucketSizeCode | <a href="http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:PlanBucketSizeCode">http://apps.gs1.org/GDD/Pages/clDetails.aspx?semanticURN=urn:gs1:gdd:cl:PlanBucketSizeCode</a> |



**Note:** Refer to the Global Data Dictionary (GDD) for the code values.

## 5 Business Message Examples

### 5.1 Example

This is an example of a Consumption Report message. The message is sent on July 17<sup>th</sup> 2011 at 11.45 AM, for goods received on April 11<sup>th</sup> at 11PM. The message is identification number is CR3548.

#### Party Information

| GS1 Global Location Number | Party Type |
|----------------------------|------------|
| 5412345000013              | Buyer      |
| 4098765000010              | Seller     |
| 5412345000990              | Ship to X  |
| 5412345000112              | Ship to Y  |

The consumption report is sent by the Buyer (GLN 5412345000013) to the Seller (GLN 4098765000010).

For informational purposes the manufacturer includes the name of his material requirements planner (Mr. Bryce).

The consumption report is for two delivery sites, X (Ship To 5412345000990) and Y (Ship To 5412345000112).

The consumption report is for one item, A (GTIN 40987650000223).

For delivery site X the reporting period is July 01-07.

For delivery site Y the reporting period is July 01, 7:00 AM – July 07, 5:00 PM

For item A and delivery site X the reported consumption is:

- 15 units.

The contract to be used for invoicing the reported consumption (PC356987) was issued by the business unit of the Seller (GLN 4098765000010). Within the contract line 23 refers to this item.

For item A and delivery site Y the reported consumption is:

- 22 units.

The contract to be used for invoicing the reported consumption is the same as for delivery site X.

#### Message Example

| Attribute  | Value            |
|--|------------------|
| <b>ConsumptionReport</b>                                       |                  |
| creationDateTime   | 2011-07-17 11:45 |
| documentStatusCode   | ORIGINAL         |
| <b>EntityIdentification (+consumptionReportIdentification)</b> |                  |
| entityIdentification   | CR3548           |
| <b>PartyIdentification (+contentOwner)</b>                     |                  |
| gln  | 5412345000013    |
| <b>TransactionalParty (+seller)</b>                            |                  |
| gln  | 4098765000010    |
| <b>TransactionalParty (+buyer)</b>                             |                  |
| gln  | 5412345000013    |



| Attribute  | Value                         |
|--|-------------------------------|
| <b>Contact</b>                                     |                               |
| responsibility                                     | Material Requirements Planner |
| personName   | Bryce Young                   |
| <b>ConsumptionReportItemLocationInformation *1</b> |                               |
| <b>TransactionalParty (+shipTo)</b>                |                               |
| - gln  | 5412345000990                 |
| <b>TransactionalTradeItem</b>                      |                               |
| - gtin   | 40987650000223                |
| <b>ConsumptionReportLineItem *1.1</b>              |                               |
| - lineItemNumber                                   | 1                             |
| - consumedQuantity (value, unitOfMeasure)          | 15                            |
| - planBucketSizeCode                               | WEEK                          |
| <b>DateTimeRange (+consumptionPeriod)</b>          |                               |
| - beginDate  | 2011-07-01                    |
| - endDate  | 2011-07-07                    |
| <b>DocumentReference (+purchaseConditions)</b>     |                               |
| - entityIdentification                             | PC356987                      |
| - lineItemNumber                                   | 23                            |
| <b>PartyIdentification (+contentOwner)</b>         |                               |
| - gln  | 4098765000010                 |
| <b>ConsumptionReportItemLocationInformation *2</b> |                               |
| <b>TransactionalParty (+shipTo)</b>                |                               |
| - gln  | 5412345000112                 |
| <b>TransactionalTradeItem</b>                      |                               |
| - gtin   | 40987650000223                |
| <b>ConsumptionReportLineItem *2.1</b>              |                               |
| - lineItemNumber                                   | 2                             |
| - consumedQuantity                                 | 22                            |
| - planBucketSizeCode                               | WEEK                          |
| <b>DateTimeRange (+consumptionPeriod)</b>          |                               |
| - beginDate  | 2011-07-01 07:00              |
| - endDate  | 2011-07-07 17:00              |
| <b>DocumentReference (+purchaseConditions)</b>     |                               |
| - entityIdentification                             | PC356987                      |
| - lineItemNumber                                   | 23                            |
| <b>PartyIdentification (+contentOwner)</b>         |                               |
| - gln  | 4098765000010                 |

## 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#ConsumptionReport](http://www.gs1.org/docs/ecom/xml/3/3.4/eCom-Trade_messages.html#ConsumptionReport)

### 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 |
|---|----------------------|
| Updated BMS for Major Release 3.0<br>Updated document to reflect changes in modelling methodology.  | Not Applicable       |
| <b>Updated for BMS Publication (Release 3.0.0):</b><br>Changed status from Draft to Approved<br>Removed copyright year in footer of document<br>Updated architectural principles section to correct fields. | Not Applicable       |

### 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  |
|---|--|
| <div style="border: 1px solid black; padding: 5px;"> <p>class ConsumptionReport - maintenance view</p> <div style="border: 1px solid black; padding: 5px; margin: 5px 0;"> <p style="text-align: center;">«root, »<br/><b>ConsumptionReport</b></p> <p style="text-align: center;"><i>maintenance</i></p> <p>Change: (Verified) 3.2 changed generalisation from Document to eComDocument class to include AVP (WR 14-110)</p> </div> </div> | <b>14-000110</b><br>Add Attribute Value Pair at the root, line item and sub line item levels |



| Change   | Associated WR  |
|--|--|
| <p><b>class ConsumptionReportLineItem - maintenance view</b></p> <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p style="text-align: center;">« »</p> <p style="text-align: center;"><b>ConsumptionReportLineItem</b></p> <hr/> <p>+ lineItemNumber: positiveInteger<br/>           + consumedQuantity: Quantity<br/>           + netConsumptionAmount: Amount [0..1]<br/>           + netPrice: Amount [0..1]<br/>           + planBucketSizeCode: PlanBucketSizeCode [0..1]<br/>           + parentLineItemNumber: positiveInteger [0..1]</p> <p>«association»<br/>           + avpList: Ecom_AttributeValuePairList [0..1]</p> <hr/> <p style="text-align: center;"><i>maintenance</i></p> <p>Change: (Verified) 3.2 added +avpList (WR 14-110)<br/>           Change: (Verified) 3.2 added +parentLineItemNumber (WR 14-021 &amp; 14-044)</p> </div> | <p><b>14-000110</b><br/>           Add Attribute Value Pair at the root, line item and sub line item levels</p> <p><b>14-000021 &amp; 14-000044</b><br/>           Add a reference to parent line number to all LineItem classes, to support hierarchical items.</p> |

## 7.4 BMS Release 3.3

| Change  | Associated WR   |
|---|---|
| <p>Created Ecom_EntityIdentification class and changed association from the previous EntityIdentification</p> <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p><b>class ConsumptionReport - maintenance view</b></p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 5px; width: 40%;"> <p style="text-align: center;">«root, »</p> <p style="text-align: center;"><b>ConsumptionReport</b></p> <hr/> <p style="text-align: center;"><i>maintenance</i></p> <p>Change: (Verified) 3.2 changed generalisation from Document to eComDocument class to include AVP (WR 14-110)<br/>           Change: (New) 3.3 changed association from EntityIdentification to Ecom_EntityIdentification (WR 15-314)</p> </div> <div style="text-align: center;"> <p>+consumptionReportIdentification</p> <p>↑ 1..1</p> </div> <div style="border: 1px solid black; padding: 5px; width: 30%; background-color: #cccccc;"> <p style="text-align: center;">eCom GS1 Identification:<br/>Ecom_EntityIdentification</p> <hr/> <p style="text-align: center;"><i>maintenance</i></p> <p>Change: (New) 3.3 New class (WR 15-314)</p> </div> </div> </div>  | <p><b>15-000314</b><br/>           Make GS1 identification keys optional in GS1 EDI XML</p> |
| <p>Created Ecom_DocumentReference class and changed association from the previous DocumentReference</p> <div style="border: 1px solid black; padding: 10px; margin: 10px 0;"> <p><b>class ConsumptionReportLineItem - maintenance view</b></p> <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="border: 1px solid black; padding: 5px; width: 25%; background-color: #cccccc;"> <p style="text-align: center;">eCom Common Components:<br/>Ecom_DocumentReference</p> <hr/> <p style="text-align: center;"><i>maintenance</i></p> <p>Change: (New) 3.3 added +referencedDocumentUId (WR 16-261)<br/>           Change: (New) 3.3 New class (WR 15-314)</p> </div> <div style="text-align: center;"> <p>+purchaseConditions</p> <p>← 0..1</p> </div> <div style="border: 1px solid black; padding: 5px; width: 60%;"> <p style="text-align: center;">« »</p> <p style="text-align: center;"><b>ConsumptionReportLineItem</b></p> <hr/> <p>+ lineItemNumber :positiveInteger<br/>           + parentLineItemNumber: positiveInteger [0..1]<br/>           + consumedQuantity :Quantity<br/>           + netConsumptionAmount :Amount [0..1]<br/>           + netPrice :Amount [0..1]<br/>           + planBucketSizeCode :PlanBucketSizeCode [0..1]</p> <p>«association»<br/>           + avpList :Ecom_AttributeValuePairList [0..1]</p> <hr/> <p style="text-align: center;"><i>maintenance</i></p> <p>Change: (Verified) 3.2 added +avpList (WR 14-110)<br/>           Change: (Verified) 3.2 added +parentLineItemNumber (WR 14-021 &amp; 14-044)<br/>           Change: (New) 3.3 changed association from LogicalUnitIdentification to Ecom_LogicalUnitIdentification (WR 15-314)<br/>           Change: (New) 3.3 changed association named +purchaseConditions from DocumentReference to Ecom_DocumentReference (WR 15-314)</p> </div> </div> </div> | <p><b>15-000314</b><br/>           Make GS1 identification keys optional in GS1 EDI XML</p> |

| Change  | Associated WR  |
|---|--|
| <p>Created Ecom_LogisticUnitIdentification class and changed association from the previous LogisticUnitIdentification</p> | <p><b>15-000314</b><br/>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 Work Group

| Function | Name                        | Company / organisation                                    |
|----------|-----------------------------|---|
| Co-chair | Rossner (Pottier), Natascha | GS1 France  |
| Co-chair | Schmidt, Tom Eric           | August Storck KG  |
| Member   | Bemrose, Jonathan           | R&R Ice Cream   |
| Member   | Bodemer, Petra              | dm-drogerie markt GmbH + Co. KG                           |
| Member   | Boikanyo, Rebone            | GS1 South Africa / Consumer Goods Council of South Africa |
| Member   | Canada, ON                  | M3B 3L1   |
| Member   | Carlson, Jim                | General Mills, Inc.                                       |
| Member   | Chresta, Richard            | GS1 Switzerland   |
| Member   | Cook, Don                   | Wal-Mart Stores, Inc.                                     |

| Function | Name                     | Company / organisation    |
|----------|--------------------------|---------------------------|
| Member   | Cox, Marc                | Philips Electronics N.V.  |
| Member   | Darnell, David           | Systrends                 |
| Member   | De Flou, Nele            | GS1 Belgium & Luxembourg  |
| Member   | Dicks, Arne              | GS1 Germany               |
| Member   | Duvinger, Karina         | GS1 Sweden                |
| Member   | Foerderer, Klaus         | GS1 Germany               |
| Member   | Gathmann, Stefan         | GS1 Ireland               |
| Member   | Grangard, Anders         | GS1 Global Office         |
| Member   | Harpell, Eileen          | GS1 Community Room Staff  |
| Member   | Hand, Phil               | JDA Software              |
| Member   | Herregodts, Kurt         | GS1 Belgium & Luxembourg  |
| Member   | Kempkes, Fred            | Unilever N.V.             |
| Member   | Kernan, Brendan          | GS1 Ireland               |
| Member   | Kidd, Robin              | Nestle                    |
| Member   | Krid, Anne-Claire        | GS1 France                |
| Member   | Lanoue, Tom              | General Mills, Inc.       |
| Member   | Laur, Rita               | GS1 Canada                |
| Member   | Lenman, Mia              | GS1 Sweden                |
| Member   | Lerch, Hanjoerg          | METRO Group               |
| Member   | Moberg, Dale             | Axway                     |
| Member   | Montes de Oca, Alejandra | GS1 Mexico                |
| Member   | Ng, Ella                 | GS1 Australia             |
| Member   | Peelen, Esther           | GS1 Netherlands           |
| Member   | Pelekies, Andreas        | GS1 Germany               |
| Member   | Perrier, Patricia        | GS1 France                |
| Member   | Przybilla, Christian     | GS1 Germany               |
| Member   | Pujol, Xavier            | GS1 Spain                 |
| Member   | Racek, Greg              | Wal-Mart Stores, Inc.     |
| Member   | Repetto, Mirko           | GS1 Italy                 |
| Member   | Robba, Steven            | 1WorldSync Holdings, Inc. |
| Member   | Rosell, Pere             | GS1 Spain                 |
| Member   | Rosenberg, Steven        | GS1 US                    |
| Member   | Schmid, Sue              | GS1 Australia             |
| Member   | Schneider, Christian     | GS1 Switzerland           |
| Member   | Sehorz, Eugen            | GS1 Austria               |
| Member   | Sharma, Vishal           | General Mills, Inc.       |
| Member   | Shimazaki, Ayako         | GS1 Japan                 |
| Member   | Sion, Emilie             | GS1 France                |
| Member   | Souza, Nadia             | GS1 Brasil                |
| Member   | Strand, Roman            | GS1 Germany               |
| Member   | Tan, Milton              | GS1 Malaysia              |

| Function | Name                 | Company / organisation            |
|----------|----------------------|-----------------------------------|
| Member   | Tompsett, Simon      | Waitrose                          |
| Member   | Trelle, Ute          | 1WorldSync Holdings, Inc.         |
| Member   | Tse, Steve           | GS1 Hong Kong                     |
| Member   | Tyson, Betty         | Knouse Foods Cooperative, Inc     |
| Member   | Van den Bergh, Senne | GS1 Belgium & Luxembourg          |
| Member   | Van der Eijk, Pim    | OASIS - Sonnenglanz Consulting BV |
| Member   | Veldhuis, Saskia     | Procter & Gamble Co.              |
| Member   | Welch, Shan          | GS1 UK                            |
| Member   | Westerkamp, Jan      | GS1 Netherlands                   |
| Member   | Wilson, Mary         | GS1 US                            |
| Member   | Windsperger, Bekki   | Best Buy Co., Inc.                |
| Member   | Yang, Shaopeng       | GS1 China                         |
| Member   | Yusdiar, Dani        | GS1 Indonesia                     |
| Member   | Zwanziger, Greg      | SUPERVALU                         |

## 9.2 Development Team Members

| Function                   | Name            | Organisation      |
|----------------------------|-----------------|-------------------|
| GSMP Process Lead          | David Buckley   | GS1 Global Office |
| Technical Development Lead | Miklos Bolyky   | GS1 Global Office |
| Peer Review                | Mark Van Eeghem | GS1 Global Office |