# Business Message Standard (BMS)

## for

## Align/Sweden/ Extension of GS1 Standards for Trade Item Master Data

## BRG: Align

## BMS Release: 2.1

### Document Version: 1.0.4

## Release Date: 31.03.2005

*(dd.mm.ccyy)*

## Change Request Reference

| | |
|---|---|
| **Refer to Change Request (CR) Number(s):** | 02-00124 |
| **CR Submitter(s):** | Mia Lenman, GS1 Sweden |
| **Date of CR Submission to GSMP:** | 28.06.2004 |

## Business Requirements Document (BRAD) Reference

| |
|---|
| **BRAD Title:** BRD Extension of EAN.UCC standards for Trade Item Master Data for Target Market Sweden – Business Requirements Document |
| **BRAD Date:** 1.06.2004 |
| **BRAD Version:** 0.0.5 |

| |
|---|
| **BRAD Title:** |
| **BRAD Date:** |
| **BRAD Version:** |

## Document Summary

| | |
|---|---|
| **Document Title:** | BMS for Align/Sweden/Extension of GS1 standards for Trade Item Master Data for Target Market Sweden |
| **Document Version** | 1.0.4 |
| **Owner:** | Align BRG |
| **Status:** | (*Check one box*) ☐ DRAFT ☑ Approved |
| **BMS Template Version:** | 1.0 |
| **Targeted BMS Publication Version** | 2.1 |

## Document Change History

*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 # |
|---|---|---|---|---|---|
| 31.12.2004 | 1.0.0 | Eric Kauz | Initial Version in BMS/BSD template | Migration of BRD to standard BMS/BRD format | N/A |
| 31.03.2005 | 1.0.2 | Andrew Hearn | Context Update | Updated the context listed within the document | N/A |
| 31.03.2005 | 1.0.3 | John Ryu | Added Extension Note | | N/A |
| 25.04.2007 | 1.0.4 | Giovanni Biffi | Editorial Changes | Minor Editorial Changes to the Document | N/A |

## 1    Business Solution

### 1.1    Business Domain View

#### 1.1.1    Problem Statement / Business Need

The Swedish retail market has a well-defined standard for communication between suppliers and retailers. The major part of this information is covered by the GS1 business message standards. There is however need for additional information due to local laws and regulations and the history of the Swedish retail market.

#### 1.1.2    Objective

*To supply the detail design of the Extension of GS1 standards for Trade Item Master Data for Target Market Sweden  business transaction needed to meet the requirements of the referenced BRAD(s).*

#### 1.1.3    Audience

The intended audience for this standard includes manufacturers and retailer and any other actors interested in developing software or other IT-based services complying with the GS1 standards.

#### 1.1.4    Artefacts

| Artefact name | State | Artefact / State description |
|---|---|---|
| N/A | | |

#### 1.1.5    References

| Reference Name | Description |
|---|---|
| N/A | |
| | |
| | |

### 1.1.6 Acknowledgements

*(List of the individuals—and their companies—who participated in the creation, review and approval of this BMS.)*

### 1.1.6.1 BRG Members

| Function | Name | Company / organisation |
|---|---|---|
| BRG Chair | Luca Marotta | Procter&Gamble Italy |
| BRG Member | Loek Boortman | GS1 Netherlands |
| BRG Member | Benjamin Couty | GS1France |
| BRG Member | Svend-Erik Moelgard | CO-OP Denmark |

### 1.1.6.2 ITRG Members

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

### 1.1.6.3 Task/Project Group Participants (*where applicable*)

| Function | Name | Company / organisation |
|---|---|---|
| CR submitter | Staffan Olsson | GS1 Sweden |
| Participant | Brendon Beumer | Royal Ahold |
| Participant | Bob Panaccio | Procter&Gamble |
| Participant | Jeff Mumford | Reckit Benckiser |
| Participant | Markus Mathar | Sinfos |
| Participant | Emma Scheldon | UDEX |
| Participant | Lionel Tussau | GeorgiaPacific |
| Participant | Harshal Gore | GS1 UK |

### 1.1.6.4 Design Team Members

| Function | Name | Organisation |
|---|---|---|
| Modeller | Umang Patel | GS1 UK |
| XML Technical Designer | | |
| EANCOM Technical Designer | | |
| Peer Reviewer | Eric Kauz | GS1 |
| | | |

## 1.2    Business Context

*(Note:  The business context of the business)*

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

If no value use, the default of "All" except for Official Constraints where default is "None".

## 1.3    Additional Technical Requirements Analysis

### 1.3.1    Technical Requirements (optional)

| Number | Statement | Rationale |
|---|---|---|
|  |  |  |

## 1.4 Business Transaction View

### 1.4.1 Business Transaction Use Case Diagram

Not Applicable.

### 1.4.2 Use Case Description

Not Applicable.

### 1.4.3 Business Transaction Activity Diagram(s)

Not Applicable.

### 1.4.4 Business Transaction Sequence Diagram(s) (optional)

Not Applicable.
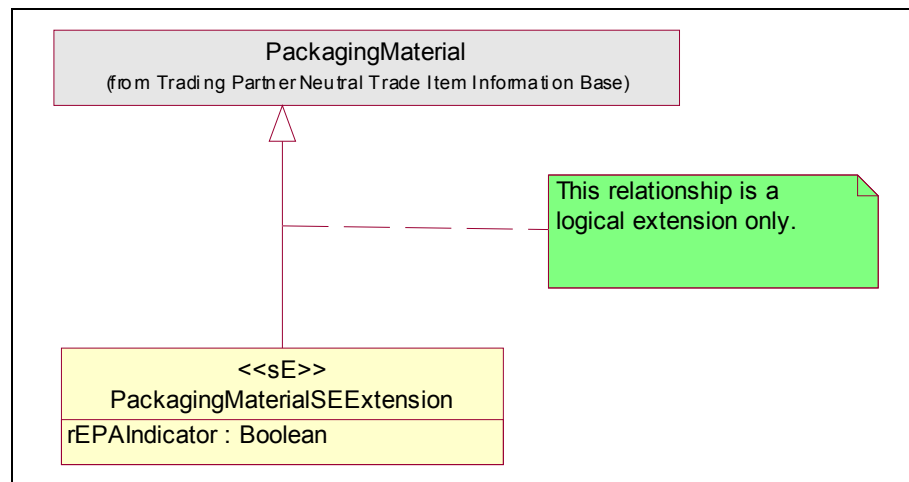
## 1.5    Information Model (including GDD Report)

### 1.5.1    Data Description:

| Class (ABIE) | Attribute (BBIE) | Association (ASBIE) | Secondary Class | Related Requirement |
|---|---|---|---|---|
| PackagingMaterialSEExtension | | | | |
| | rEPAIndicator | | | Extension of EAN.UCC standards for Trade Item Master Data for Target Market Sweden V.0.0.5 |

### 1.5.2    GDD Report:

| Class (ABIE) | Attribute (BBIE) | Association (ASBIE) | Secondary Class | Official Dictionary Entry Name | Definition | Multiplicity |
|---|---|---|---|---|---|---|
| PackagingMaterialSEExtension | | | | Sweden_ Extension_ Packaging Material. Details | None | |
| | rEPAIndicator | | | Sweden_ Extension_ Packaging Material. REPA_ Non Returnable. Indicator | Code indicating that the packaging is non-returnable and that the supplier has paid the appropriate fee to the Swedish REPA system | 1..1 |

### 1.5.3 Class Diagrams



Note: The relationship between the extension and the Trading Partner Neutral Trade Item Information class is logical only and does not designate the physical location of the extension tag in the Schema. This relationship states that, logically, the information contained in the extension belongs with other Trading Partner Neutral Trade Item Information such as packaging marking and item dimensions. The physical placement of the extension tag is a technical decision as long as it allows the implementers to relate the extensions to a specific trade item.

### 1.5.4 Code Lists

Not Applicable

### 1.6 Business Document Example

### 1.7 Implementation Considerations

Not Applicable

### 1.8 Testing

### 1.8.1 Pass / Fail Criteria

| Number | Test Criteria | Related Requirement | Design Element | Pass Criteria | Fail Criteria |
|---|---|---|---|---|---|
| 1 | Not Applicable | | | | |
| 2 | | | | | |
| 3 | | | | | |

### 1.8.2 Test Data

| Attribute | Value |
|---|---|
| | |
| Not Applicable | |
| | |
| | |
| | |

### 1.9 Appendices

Not Applicable

### 1.10 Summary of Changes

| Change | BMS Version | Associated CR Number |
|---|---|---|
| • Changed referenced ISO Code in Class Diagram from SW to SE. | 2.0.2 | |

## 2 XML Technical Solution ITRG Packet

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