

Business Message Standard (BMS)

for

Extension Specifics Technical Characteristics

BRG: Align

BMS Release: 2.1

Version: 0.0.2

Date: 05.07.2006

(dd.mm.cyy example 27.10.2004)



Change Request Reference

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Business Requirements Document (BRAD) Reference

BRAD Title: Extension Specifics Technical Characteristics
BRAD Date: August 11, 2005
BRAD Version: 0.10

BRAD Title:
BRAD Date:
BRAD Version:

Document Summary

Document Title:	Extension Specifics Technical Characteristics
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BMS Template Version:	0.3
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 #
5-Jul-06	0.0.1	Brian Bennett	Initial Creation of document. Converted BRAD to BMS.	BMS developed from BRD created by Rob Toole	
23-Apr-07	0.0.2	Giovanni Biffi	Editorial Change	Minor Editorial Updates to the Document	

Business Message Standard

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1 Business Solution

1.1 Business Domain View

1.1.1 Problem Statement / Business Need

Technical Data alignment between partners of the supply chain (salesmen, buyers and logistic actors) is an essential condition in the automation of the administrative treatments.

This alignment crosses the sending and receiving of fact sheets containing, besides basic data and those relative to the hierarchy of products, specific technical characteristics in finished or semi finished products, allowing the specific item information needs of buyers and salesmen to be met.

This basic information and the hierarchy is already organized and structured. The objective of these works is to allow the standardization and the structuring of the specific technical characteristics of items.

These fact sheets allow the sending of the technical characteristics on behalf of the manufacturer without being seized again by the distributor.

It allows users to look for products with regard to a range, or a feature, to use this information for an internal custom (i.e. commercial, after sale services, etc.), or an external usage: (i.e. spread the information with the partners and the end users).

The information is thus right, precise and up to date; the risk of error is reduced and the adaptation of the data allows an automation of the updates and the data processing.

Today, these technical characteristics are sent in EDI by using the group of segments CCI-CAV-MEA of the message PRODAT. The users want to exchange this information in XML.

1.1.2 Objective

To supply the detail design of the (specific) business transaction needed to meet the requirements of BRD: Extension Specifics Technical Characteristics

1.1.3 Audience

Every manufacturer, retailer or trader involved in the manufacture, the sale or the referencing of products with the need to spread or to receive specific technical information. Today, the concerned sectors are the do-it-yourself, construction, household equipment (large domestic appliance and consumer electronics, furniture), the textile (textile industry) and the wines and the spirit, disc and soon automotive with the MRO and others.

Example of sector concerned: Building and construction sector wants to use it as a Dictionary for the whole sector.

1.1.4 Artefacts

N/A

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1.1.5 References

Reference Number	Reference Name	Description
1	BRW for XML Extension Specifics Technical Characteristics	
2	CR 03-0027	Description of the business needs
3	Dicalis list of natures.doc	List of products for which EAN FRANCE and its members have already defined and coded the specific technical characteristics
4	Member list.xls	Non exhaustive list of users
5	BRD: Extension Specifics Technical Characteristics	Previous BRD Document

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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	Jim Funk	S.C. JOHNSON & SON, INC.
BRG Chair	Vic Hansen	UNLIVER – LEVER FABERGE LTD.
BRG Chair	Eduardo Tovar	PROCTER & GAMBLE COMPANY
BRG Member		
BRG Member	Javier Arias	GS1 SPAIN
BRG Member	Neale Austen	EAN AUSTRALIA
BRG Member	Michael Bammer	CVS PHARMACY, INC.
BRG Member	Giovanni Biffi	IAC – EAN COLOMBIA
BRG Member	Loek Boortman	GS1 NEDERLAND
BRG Member	Benjamin Couty	GS1 France
BRG Member	MaryAnn Goodrich	UNILVER HOME & PERSONAL CARE NA
BRG Member	Hideki Ichihara	EAN JAPAN
BRG Member	Nancy Laskero	SEARS, ROEBUCK AND CO
BRG Member	Hanjoerg Lerch	METRO GROUP BUYING GMBH
BRG Member	Markus Mathar	SINFOS GMBH
BRG Member	Roberto Matsubayashi	EAN BRASIL
BRG Member	Alistair McArthur	ALLIED DOMEQ SPIRITS & WINE LTD
BRG Member	Michael Moise	NESTLE AG
BRG Member	Olivier Mouton	CARREFOUR
BRG Member	Barbara Munro	KRAFT FOODS, INC
BRG Member	Anakaryna Palacios	EAN VENEZUELA
BRG Member	Hector German Piñeros	IBC SOLUTIONS COLOMBIA
BRG Member	Paul Povey	PROCTER & GAMBLE COMPANY
BRG Member	Rebecca Quigley	COCA-COLA BOTTLERS SALES AND SERVICES
BRG Member	Julie Rodriguez	LEVI STRAUSS & CO
BRG Member	Joy Schneck	GENERAL MILLS, INC.
BRG Member	Peggy Spofford	3M COMPANY
BRG Member	Steve Vazzano	TRANSORA
BRG Member	Lionel Tussau	GEORGIA-PACIFIC CORPORATION
BRG Member	Patricia Vessey	BEST BUY COMPANY, INC.
BRG Member	Marcel Yska	AHOLD NV
BRG Member	Greg Zwanziger	SUPERVALU, INC.

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
Participant	JC GILBERT	GENCOD EAN FRANCE
Participant	L. CAZIER	LEROY MERLIN
Participant	B. FIX	SAINT GOBAIN
Participant	J VAN DEN DREISCH	CASTORAMA

1.1.6.4 Design Team Members

Function	Name	Organisation
Modeller	Rob Toole	GS1
XML Technical Designer	Dipan Anarkat	GS1
EANCOM Technical Designer		
Peer Reviewer		

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1.2 Business Context

(Note: The business context of the business)

Context Category	Value(s)
Industry	All
Geopolitical	All
Product	All
Process	Align_Item_Technical Characteristics
System Capabilities	EAN.UCC
Official Constraints	None

1.3 Additional Technical Requirements Analysis

1.3.1 Technical Requirements (optional)

N/A

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1.4 Business Transaction View

1.4.1 Business Transaction Use Case Diagram

N/A

1.4.2 Use Case Description

Use Case ID	UC-1													
Use Case Name														
Use Case Description														
Actors (Goal)														
Performance Goals														
Preconditions														
Post conditions														
Scenario	<p>Begins when...</p> <p>Continues with...</p> <table border="1"> <thead> <tr> <th>Step #</th> <th>Actor</th> <th>Activity Step</th> </tr> </thead> <tbody> <tr> <td>1</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> </tr> </tbody> </table> <p>Ends when...</p>		Step #	Actor	Activity Step	1			2			3		
Step #	Actor	Activity Step												
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2														
3														
Alternative Scenario	<p><i>(any alternatives to the above scenario)</i></p> <table border="1"> <thead> <tr> <th>Step #</th> <th>Actor</th> <th>Activity Step</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Step #	Actor	Activity Step									
Step #	Actor	Activity Step												
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1.4.3 Business Transaction Activity Diagram(s)

N/A

1.4.4 Business Transaction Sequence Diagram(s) (optional)

N/A

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1.5 Information Model (including GDD Report)

1.5.1 Data Description:

(Contains list of attributes included in the model and the related requirement which led to its inclusion in the design.)

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Related Requirements
CharacteristicsValue				
	characteristicsValueCode			Ref 1 Req 2.1
ExtensionSpecificsTechnicalCharacteristics				
		None	ProductCharacteristics	
ExtensionSpecificsTechnicalCharacteristicsExtension				
		None	ExtensionSpecificsTechnicalCharacteristics	
ProductCharacteristics				
	categoryAgencyCode			Ref 1 Req 1.3
	characteristicsCategoryCode			Ref 1 Req 1.2
	characteristicsCode			Ref 1 Req 1.1
	characteristicsMeasurement			Ref 1 Req 1.1
	characteristicsDescription			Ref 1 Req 1.1
		None	CharacteristicsValue	Ref 1 Req 2

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1.5.2 GDD Report :

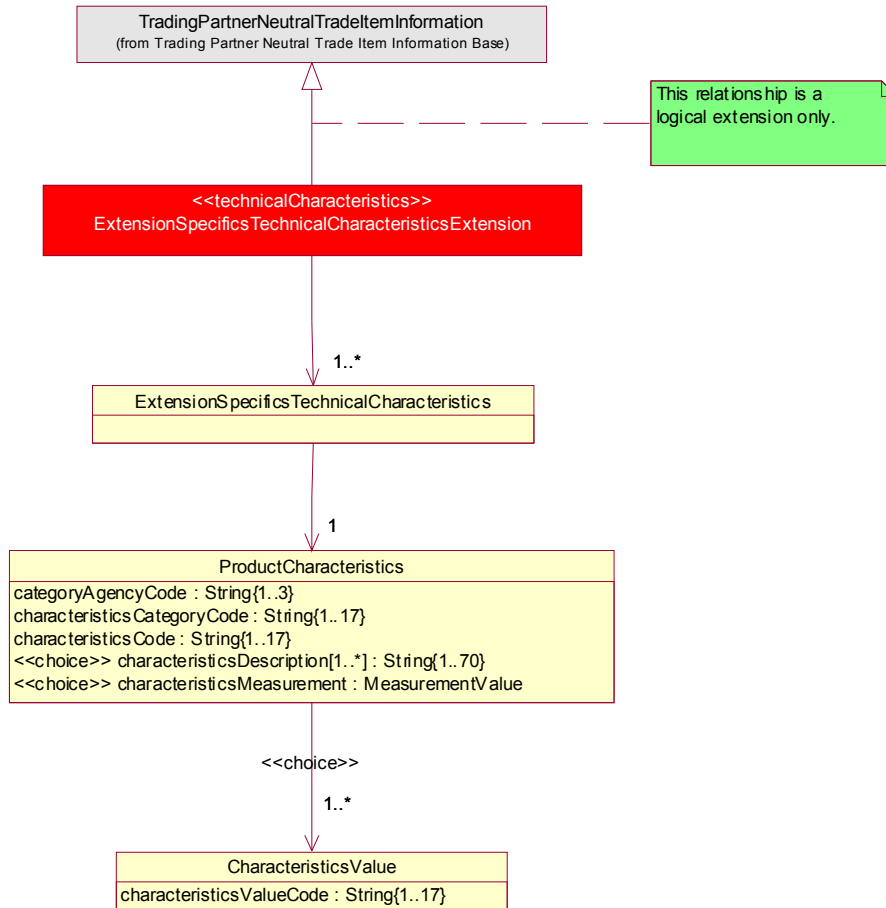
(Output from GDD should be pasted in this section.)

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity
CharacteristicsValue				Characteristics Value. Details	None	
	characteristicsValueCode			Characteristics Value. Characteristics_ Value Code. Text	Value code of a technical characteristics selected in the pre defined value list. Only the characteristicsValueCode appears.	1..1
ExtensionSpecificsTechnical-Characteristics				Specifics Technical Characteristics. Details	None	
		None	ProductCharacteristics	Specifics Technical Characteristics. Association. Product Characteristics	This information on ProductCharacteristics for ExtensionSpecificsTechnical-Characteristics.	1..1
ExtensionSpecificsTechnical-CharacteristicsExtension				Specifics Technical Characteristics Extension. Details	None	
		None	Extension-SpecificsTechnicalCharacteristics	Specifics Technical Characteristics Extension. Association. Specifics Technical Characteristics	This information on Extension-SpecificsTechnical-Characteristics for Extension-SpecificsTechnical-CharacteristicsExtension.	1..*
ProductCharacteristics				Product Characteristics. Details	None	
	categoryAgencyCode			Product Characteristics. Category_ Agency Code. Text	Code assigned to a categoryAgencyCode.	1..1
	characteristicsCategoryCode			Product Characteristics.	Code assigned to a	1..1

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				Characteristics_ Category Code. Text	category of product.	
	characteristicsCode			Product Characteristics. Characteristics Code. Text	Code assigned to a technical characteristic.	1..1
	characteristicsDescription			Product Characteristics. Choice_ Characteristics Description. Text	Free text of at least 70 characters describing the products technical characteristics.	1..1
	characteristicsMeasurement			Product Characteristics. Choice_ Characteristics Measurement. Measure	Value affected to the characteristic.	1..1
		None	CharacteristicsValue	Product Characteristics. Choice_ Association. Characteristics Value	This information on Characteristics-Value for ProductCharacteristics.	1..*

1.5.3 Class Diagrams



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1.5.4 Code Lists

N/A

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1.6 Business Document Example

N/A

1.7 Implementation Considerations

N/A

1.8 Testing

1.8.1 Pass / Fail Criteria

N/A

1.8.2 Test Data

Attribute	Value
categoryAgencyCode	65
characteristicsCategory	13G
characteristicsCode	000006
characteristicsDescription	Best drill in the world with this new laser technology

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1.9 Appendices

1.10 Summary of Changes

Change	BMS Version	Associated CR Number

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