Business Message Standard (BMS)

for

Align/GDSN/Catalogue Item Synchronisation

BRG: Align

BMS Release: 2.0

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Business Requirements Document (BRAD) Reference

BRAD Title: Catalogue Item Synchronisation
BRAD Date: 07.06.2004
BRAD Version: 1.8

BRAD Title:
BRAD Date:
BRAD Version:

Document Summary

Document Title:	Catalogue Item Synchronisation
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Owner:	
Status:	(*Check one box*) ☐ DRAFT ☑ Approved
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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 #
07.06.2004	2.0.0		For Release 1.3.2. Modification of GDSN Exception Message	Added reference to originating message and date and time of error. Removed Validation Rules/ Error Messages which are now part of BRD Validation Rules For GDSN	Release 1.3.2
23.04.2007	2.0.1	Giovanni Biffi	Editorial Changes	Minor Editorial Changes Made to the Document	N/A

1 Business Solution

1.1 Business Domain View

1.1.1 Problem Statement / Business Need

Substantial effort has been made to develop a Global Data Synchronisation process because master data sharing between partners is both complex and fundamental to all supply chain processes. Integrity and timeliness of master data is critical to the flow of goods, services and information throughout the chain. Sharing data effectively and efficiently relies on access to common data definitions, data accuracy and agreement on the processes used to exchange data.

This process is termed Master Data Synchronisation. Throughout 2000-2002, with increased emphasis on global commerce, electronic trading communities and evolving Internet technology, it became obvious that global master data standards and processes were essential to support simple e-Business transactions. As a precursor to the establishment of standards, GCI, UCC and EAN developed business requirements in parallel to address "What standard processes are required to enable Global Data Synchronisation?"

In January 2002, EAN.UCC instituted the GSMP to create and maintain global standards. The GSMP Data Synchronisation team was formed to align all business requirements associated with the Data Synchronisation process, including the Global Registry.

1.1.2 Objective

To supply the detail design of the catalogue Item synchronisation business transaction needed to meet the requirements of the referenced BRAD(s).

1.1.3 Audience

The audience of this standard is any participant in the global supply chain. This includes retailers, manufacturers, service providers and other third parties

1.1.4 Artefacts

(List of the artefacts that are used as either an input to the process or an output from the process, also indicating the different states that the artefact takes during the process.)

Artefact name	State	Artefact / State description

1.1.5 References

Reference Name	Description
• GCI – Global Master Data Synchronisation Process, Business Requirements, Vision, Concept and Recommendations, Version V1.0, December 14, 2002	

- GCI - Global Master Data Synchronisation Process, Detailed Specifications of Global Registry, Global Search Functions and Flow of Messages, Version V0.4, December 14, 2002

- GCI – Global Data Dictionary

- Business Requirements Document for Core Item (EAN / UCC)

- Business Requirements Document for Core Party (EAN / UCC)

- Business Requirements Document for Core Price (EAN / UCC)

- Business Requirements Document for Fast Moving Consumer Goods Item Extension (EAN / UCC)

- EAN / UCC Report: Global Data Alignment System (GDAS) – 21st January 2000

- GCI Document: Amendment to GDAS – 31st July 2000

- ECR Europe Report: Inter-Operability of EAN Compliant Data Pools – March 1999

- What is Data Synchronisation?, Version 1.1, EAN/UCC – February 14, 2002

- Simpl-eb Implementation Guide, EAN.UCC, Version 1.0, July 1st, 2001

- EAN.UCC Business Message Standards Version 1.0 dated July 2001

- Detailed Specifications of Global Registry, Global Search Function and Flow of Messages; Report 2 – Version 0.4 dated 14 December 2001

- Global Master Data Synchronisation: Business Requirements, Vision, Concept and Recommendations; Report 1 – Version 1.0 dated 14 December 2001

- Supporting material for GSMP CR 89 (UCCnet Synchronisation flow and DTDs)

- The Unified Modeling Language User Guide, Booch, Rumbaugh and Jacobson, Addison-Wesley Longman, Inc. Copyright 1999. ISBN 0-201-57168-4

- GCI, GTIN Guidelines

- UCC –12 Guidelines

- TIIC Guidelines

• EAN/UCC Global General Specifications	

1.1.6   Acknowledgements

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

The GSMP Global Data Synchronization team would also like to acknowledge all those individuals who participated in both GCI-GDS and UCCnet teams whose hard work and documentation were invaluable to this team.

1.1.6.1   BRG Members

Function	Name	Company / organisation
BRG Chair		
BRG Member		
BRG Member		
BRG Member		

ITRG Members

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

1.1.6.2   Task/Project Group Participants (*where applicable*)

Function	Name	Company / organisation
Core Task Sgroup	Barlatey, Saliha	Nestlé Group
Core Task Sgroup	Celeste, Bob	Uniform Code Council
Core Task Sgroup	Costello, Aidan	QRS
Core Task Sgroup	Couty, Benjamin	Gencod
Core Task Sgroup	Dekleermaeker, Leo	EAN Belgium•Luxembourg
Core Task Sgroup	Eggert, Jack	Uniform Code Council
Core Task Sgroup	Geyer, Terrie	Sears
Core Task Sgroup	Gits, Nadine	P&G
Core Task Sgroup	Goldman, Brad	WWRE
Core Task Sgroup	Goodrich, Maryann	Unilever
Core Task Sgroup	Kao, Judy	SAP
Core Task Sgroup	Kramer, Regenald	EAN Brussels
Core Task Sgroup	Licul, Ed	Transora
Core Task Sgroup	Lockhead, Sean	UCCnet
Core Task Sgroup	Merulla, Mike	Wegmans
Core Task Sgroup	Mouton, Olivier	Carrefour
Core Task Sgroup	Munro, Barb	Kraft
Core Task Sgroup	Pickett, Becky	Ahold
Core Task Sgroup	Pottier, Natascha	CCG/SINFOS
Core Task Sgroup	Saputra, Budi	P&G
Core Task Sgroup	Schneck, Joy	General Mills
Core Task Sgroup	Sheehan, Jim	Shaw's
Core Task Sgroup	Sinnott, Kelly	Johnson & Johnson
Core Task Sgroup	Southall, Michele	UCCnet

Core Task Sgroup	Spooner, Karen	Kraft Foods
Core Task Sgroup	Sykes, Jim	UCCnet
Core Task Sgroup	Wolfson, John	Kraft Foods
Core Task Sgroup	Yska, Marcel	Ahold
Contributor	Buckley, Greg	Pepsi
Contributor	Denning, John	UDEX
Contributor	Hansen, Vic	Unilever
Contributor	Hollows, Jeremy	Carrefour
Contributor	Jordan, Peter	Kraft
Contributor	Kasper, Sascha	CCG
Contributor	Kille, Grant	WWRE
Contributor	Luttiz, Christopher	FMCG-Trade
Contributor	Mohammed, Ahmed Chand	EAN
Contributor	Moise, Michael	Nestle
Contributor	Nemirovski, Mike	Campbell's
Contributor	Panaccio, Bob	P&G
Contributor	Rufino, Rita	Sonae
Contributor	Senai, Huseyin	EAN International
Contributor	Schneider, Maria	Uniform Code Council
Contributor	Siard, Olivier	GNX
Contributor	Tussau, Lionel	Georgia Pacific
Contributor	Warde, Nadim	Equadis
Contributor	Walton, Mike	UDEX
Contributor	Watt, Anna	Cadbury-Schweppes
Contributor	Zelinski, Felix	Coke

1.1.6.3   Design Team Members

Function	Name	Organisation
Modeller	Celeste Bob	Uniform Code Council
XML Technical Designer		
EANCOM Technical Designer		
Peer Reviewer		

1.2 Business Context

(Note: The business context of the business)

Context Category	Value(s)
Industry	All
Geopolitical	All
Product	All
Process	All
System Capabilities	All
Official Constraints	None

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

(Process, Geopolitical, Industry, User Role (Retailer, Supplier, etc.))
If context cannot be specified, select from the context classification code list in the GDD.).

1.3 Additional Technical Requirements Analysis

1.3.1 Technical Requirements (optional)

(User Interface, Security, Performance, Quality, etc.))

Number	Statement	Rationale

1.4 Business Transaction View

1.4.1 Business Transaction Use Case Diagram

Reference BRD Catalogue Item Synchronisation for the Use Case Details.

1.4.2 Business Transaction Activity Diagram(s)

Reference BRD Catalogue Item Synchronisation for the Use Case Details.

1.4.3 Business Transaction Sequence Diagram(s) (optional)

Reference BRD Catalogue Item Synchronisation for the Use Case Details.

1.5   Information Model (including GDD Report)

1.5.1   Data Description:

1.5.1.1   Catalogue Item Confirmation

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	RELATED REQUIREMENT
CatalogueItemConfirmation				
			CatalogueItemConfirmation-State	BRD Catalogue Item Synchronisation V. 1.8
			CatalogueItemReference	BRD Catalogue Item Synchronisation V. 1.8
			Document	BRD Catalogue Item Synchronisation V. 1.8
		catalogueItemConfirmationIdentification	EntityIdentification	BRD Catalogue Item Synchronisation V. 1.8
CatalogueItemConfirma-tionState				

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	RELATED REQUIREMENT
	recipientDataPool			BRD Catalogue Item Synchronisation V. 1.8
	recipientGLN			BRD Catalogue Item Synchronisation V. 1.8
	state			BRD Catalogue Item Synchronisation V. 1.8
CatalogueItemReference				BRD Catalogue Item Synchronisation V. 1.8
	dataSource			BRD Catalogue Item Synchronisation V. 1.8
	gTIN			BRD Catalogue Item Synchronisation V. 1.8

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	RELATED REQUIREMENT
		targetMarket	TargetMarket	BRD Catalogue Item Synchronisation V. 1.8

1.5.1.2 Catalogue Item Link

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	RELATED REQUIREMENT
CatalogueItemLink				BRD Catalogue Item SynchronisationV. 1.8
	childGTIN			BRD Catalogue Item SynchronisationV. 1.8
	gLN			BRD Catalogue Item SynchronisationV. 1.8
	parentGTIN			BRD Catalogue Item SynchronisationV. 1.8
		None	Document	BRD Catalogue Item SynchronisationV. 1.8
		catalogueItemLinkIdentification	EntityIdentification	BRD Catalogue Item SynchronisationV. 1.8
		targetMarket	TargetMarket	BRD Catalogue Item SynchronisationV. 1.8

1.5.1.3 Catalogue Item Notification

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	Related Requirements
CatalogueItem				BRD Catalogue Item SynchronisationV. 1.8
	dataRecipient			BRD Catalogue Item SynchronisationV. 1.8

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	Related Requirements
	sourceDataPool			BRD Catalogue Item SynchronisationV. 1.8
		None	CatalogueItemChildItem-Link	BRD Catalogue Item SynchronisationV. 1.8
		None	CatalogueItemState	BRD Catalogue Item SynchronisationV. 1.8
		None	TradeItem	BRD Catalogue Item SynchronisationV. 1.8
				BRD Catalogue Item SynchronisationV. 1.8
CatalogueItemNotification				BRD Catalogue Item SynchronisationV. 1.8
	isReload			BRD Catalogue Item SynchronisationV. 1.8
		None	CatalogueItem	BRD Catalogue Item SynchronisationV. 1.8
		None	Document	BRD Catalogue Item SynchronisationV. 1.8
		catalogueItemNotificationIdentification	EntityIdentification	BRD Catalogue Item SynchronisationV. 1.8
				BRD Catalogue Item SynchronisationV. 1.8
Document				BRD Catalogue Item SynchronisationV. 1.8

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	Related Requirements
	contentVersion			BRD Catalogue Item SynchronisationV. 1.8
	creationDateTime documentStatus			BRD Catalogue Item SynchronisationV. 1.8 BRD Catalogue Item SynchronisationV. 1.8
	documentStructureVer-sion lastUpdateDate			BRD Catalogue Item SynchronisationV. 1.8 BRD Catalogue Item SynchronisationV. 1.8
				BRD Catalogue Item SynchronisationV. 1.8
EntityIdentification				BRD Catalogue Item SynchronisationV. 1.8
	uniqueCreatorIdentifica-tion			BRD Catalogue Item SynchronisationV. 1.8
		contentOwner	PartyIdentification	BRD Catalogue Item SynchronisationV. 1.8

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	Related Requirements
TradeItem				BRD Catalogue Item SynchronisationV. 1.8
CatalogueItemState				BRD Catalogue Item SynchronisationV. 1.8
	state			BRD Catalogue Item SynchronisationV. 1.8
	cancelDate			BRD Catalogue Item SynchronisationV. 1.8
	discountDate			BRD Catalogue Item SynchronisationV. 1.8
CatalogueItemChildItem-Link				BRD Catalogue Item SynchronisationV. 1.8
	quantity			BRD Catalogue Item SynchronisationV. 1.8
			CatalogueItem	BRD Catalogue Item SynchronisationV. 1.8
				BRD Catalogue Item SynchronisationV. 1.8

Business Solution Design

1.5.1.4 Catalogue Item Publication

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	Related Requirements
CatalogueItemRefer-ence				BRD Catalogue Item SynchronisationV. 1.8
	dataSource			BRD Catalogue Item SynchronisationV. 1.8
	gTIN			BRD Catalogue Item SynchronisationV. 1.8
CatalogueItemPublica-tion				BRD Catalogue Item SynchronisationV. 1.8
	publishToGLN			BRD Catalogue Item SynchronisationV. 1.8
		None	CatalogueItemRefer-ence	BRD Catalogue Item SynchronisationV. 1.8
		None	Document	BRD Catalogue Item SynchronisationV. 1.8
		catalogueItemPublicationIdentifica-tion	EntityIdentification	BRD Catalogue Item SynchronisationV. 1.8
		publishToTargetMarket	TargetMarket	BRD Catalogue Item SynchronisationV. 1.8

Business Solution Design

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	Related Requirements
Document				BRD Catalogue Item SynchronisationV. 1.8
				BRD Catalogue Item SynchronisationV. 1.8
	contentVersion			
	creationDateTime			BRD Catalogue Item SynchronisationV. 1.8
				BRD Catalogue Item SynchronisationV. 1.8
	documentStatus			
				BRD Catalogue Item SynchronisationV. 1.8
	documentStructureVer-sion			
	lastUpdateDate			BRD Catalogue Item SynchronisationV. 1.8
				BRD Catalogue Item SynchronisationV. 1.8
EntityIdentification				BRD Catalogue Item SynchronisationV. 1.8
	uniqueCreatorIdentifica-			BRD Catalogue Item SynchronisationV. 1.8

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	Related Requirements
	tion			
		contentOwner	PartyIdentification	BRD Catalogue Item SynchronisationV. 1.8
				BRD Catalogue Item SynchronisationV. 1.8
TargetMarket				BRD Catalogue Item SynchronisationV. 1.8
	targetMarketCountryCode			BRD Catalogue Item SynchronisationV. 1.8

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	Related Requirements
	targetMarketSubdivision-Code			BRD Catalogue Item SynchronisationV. 1.8
	None			BRD Catalogue Item SynchronisationV. 1.8
	None			Target Market. Subdivision. Code

1.5.1.5   Catalogue Item Registration Response

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	RELATED REQUIREMENT
CatalogueItemRegistrationInforma-tion				
	lastChangedDate			BRD Catalogue Item Syn-chronisationV. 1.8
	registrationDate			BRD Catalogue Item Syn-chronisationV. 1.8
CatalogueItemRegistrationRe-sponse				
		catalogueItemReference	CatalogueItemReference	BRD Catalogue Item Syn-chronisationV. 1.8
		None	CatalogueItemRegistrationInforma-tion	BRD Catalogue Item Syn-chronisationV. 1.8
		None	Response	BRD Catalogue Item Syn-chronisationV. 1.8
Response				
	responseStatus			BRD Catalogue Item Syn-chronisationV. 1.8
	responseStatus			BRD Catalogue Item Syn-chronisationV. 1.8
		responseIdentification	EntityIdentification	BRD Catalogue Item Syn-chronisationV. 1.8

1.5.1.6 Catalogue Item Subscription

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	RELATED REQUIREMENT
CatalogueItemSubscription				
	dataRecipient			BRD Catalogue Item SynchronisationV. 1.8
	dataSource			BRD Catalogue Item SynchronisationV. 1.8
	gTIN			BRD Catalogue Item SynchronisationV. 1.8
	recipientDataPool			BRD Catalogue Item SynchronisationV. 1.8
		classification	CatalogueItemClassification	BRD Catalogue Item SynchronisationV. 1.8
		catalogueItemSubscriptionIdentification	EntityIdentification	BRD Catalogue Item SynchronisationV. 1.8
		targetMarket	TargetMarket	BRD Catalogue Item SynchronisationV. 1.8

1.5.1.7   Data Synchronisation Data Pool Profile

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	RELATED REQUIREMENT
DataPoolCertificationInformation				BRD Catalogue Item SynchronisationV. 1.8
	certificationBody			BRD Catalogue Item SynchronisationV. 1.8
	certificationExpirationDate			BRD Catalogue Item SynchronisationV. 1.8
	certificationIdentification			BRD Catalogue Item SynchronisationV. 1.8
	certificationStartDate			BRD Catalogue Item SynchronisationV. 1.8
	certificationStatus			BRD Catalogue Item SynchronisationV. 1.8
DataSynchronisationDataPoolPro-file				BRD Catalogue Item SynchronisationV. 1.8
	dataPoolGLN			BRD Catalogue Item SynchronisationV. 1.8
	electronicAddress			BRD Catalogue Item SynchronisationV. 1.8
	endAvailabilityDate			BRD Catalogue Item SynchronisationV. 1.8
	startAvailabiltyDate			BRD Catalogue Item SynchronisationV. 1.8
		None	DataPoolCertificationInformation	BRD Catalogue Item SynchronisationV. 1.8
		dataPoolProfileIdentification	EntityIdentification	BRD Catalogue Item SynchronisationV. 1.8
		dataPoolNameAndAddress	NameAndAddress	BRD Catalogue Item SynchronisationV. 1.8

1.5.1.8 Registry Catalogue Item

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	Official Dictionary Entry Name
CatalogueItemClassifica-tion				BRD Catalogue Item Syn-chronisationV. 1.8
CatalogueItemReference				BRD Catalogue Item Syn-chronisationV. 1.8
	classificationCategory-Code			BRD Catalogue Item Syn-chronisationV. 1.8
				BRD Catalogue Item Syn-chronisationV. 1.8
CatalogueItemDates				BRD Catalogue Item Syn-chronisationV. 1.8
	cancelDate			BRD Catalogue Item Syn-chronisationV. 1.8
	deletionDate			BRD Catalogue Item Syn-chronisationV. 1.8
	discontinuedDate			BRD Catalogue Item Syn-chronisationV. 1.8
	lastChangedDate			BRD Catalogue Item Syn-chronisationV. 1.8
	registrationDate			BRD Catalogue Item Syn-chronisationV. 1.8
				BRD Catalogue Item Syn-chronisationV. 1.8
Document				BRD Catalogue Item Syn-chronisationV. 1.8
	contentVersion			BRD Catalogue Item Syn-chronisationV. 1.8
	creationDateTime			BRD Catalogue Item Syn-chronisationV. 1.8

	documentStatus		BRD Catalogue Item Synchronisation V. 1.8
	documentStructureVersion		BRD Catalogue Item Synchronisation V. 1.8
	lastUpdateDate		BRD Catalogue Item Synchronisation V. 1.8
			BRD Catalogue Item Synchronisation V. 1.8
EntityIdentification			BRD Catalogue Item Synchronisation V. 1.8
	uniqueCreatorIdentification		BRD Catalogue Item Synchronisation V. 1.8
		contentOwner	BRD Catalogue Item Synchronisation V. 1.8
			BRD Catalogue Item Synchronisation V. 1.8
RegistryCatalogueItem			BRD Catalogue Item Synchronisation V. 1.8
	state		BRD Catalogue Item Synchronisation V. 1.8
		None	BRD Catalogue Item Synchronisation V. 1.8
		None	BRD Catalogue Item Synchronisation V. 1.8
		None	BRD Catalogue Item Synchronisation V. 1.8
		None	BRD Catalogue Item Synchronisation V. 1.8
		registryCatalogueItemIdentification	BRD Catalogue Item Synchronisation V. 1.8
		None	BRD Catalogue Item Synchronisation V. 1.8
			BRD Catalogue Item Synchronisation V. 1.8

RegistryCatalogueItem-State			BRD Catalogue Item Synchronisation V. 1.8
	State		BRD Catalogue Item Synchronisation V. 1.8

1.5.1.9   Request For Catalogue Item Notification

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	RELATED REQUIREMENT
CatalogueItemSubscription				BRD Catalogue Item SynchronisationV. 1.8
	dataRecipient			BRD Catalogue Item SynchronisationV. 1.8
	dataSource			BRD Catalogue Item SynchronisationV. 1.8
	gTIN			BRD Catalogue Item SynchronisationV. 1.8
	recipientDataPool			BRD Catalogue Item SynchronisationV. 1.8
		classification	CatalogueItemClassification	BRD Catalogue Item SynchronisationV. 1.8
		catalogueItemSubscriptionIdentification	EntityIdentification	BRD Catalogue Item SynchronisationV. 1.8
		targetMarket	TargetMarket	BRD Catalogue Item SynchronisationV. 1.8
RequestForCatalogueItemNotification				BRD Catalogue Item SynchronisationV. 1.8
	isReload			BRD Catalogue Item SynchronisationV. 1.8
		None	CatalogueItemSubscription	BRD Catalogue Item SynchronisationV. 1.8

1.5.1.10 EANUCC Response

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	RELATED REQUIREMENT
EANUCCResponse				BRD Catalogue Item SynchronisationV. 1.8
	receiver			BRD Catalogue Item SynchronisationV. 1.8
	responseStatus			BRD Catalogue Item SynchronisationV. 1.8
	sender			BRD Catalogue Item SynchronisationV. 1.8
		documentReceived	EntityIdentification	BRD Catalogue Item SynchronisationV. 1.8

1.5.1.11 GDSN Exception

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	Related Requirements
AttributeException				BRD Catalogue Item SynchronisationV. 1.8
	attributeName			BRD Catalogue Item SynchronisationV. 1.8
	attributeValue			BRD Catalogue Item SynchronisationV. 1.8
	xPath			BRD Catalogue Item SynchronisationV. 1.8
		None	GDSNError	BRD Catalogue Item SynchronisationV. 1.8
				BRD Catalogue Item SynchronisationV. 1.8
CommandException				BRD Catalogue Item SynchronisationV. 1.8
		None	DocumentException	BRD Catalogue Item SynchronisationV. 1.8
		None	EntityIdentification	BRD Catalogue Item SynchronisationV. 1.8
		None	GDSNError	BRD Catalogue Item SynchronisationV. 1.8
				BRD Catalogue Item SynchronisationV. 1.8
				BRD Catalogue Item SynchronisationV. 1.8
DocumentException				BRD Catalogue Item SynchronisationV. 1.8

		None	AttributeException	BRD Catalogue Item SynchronisationV. 1.8
		None	EntityIdentification	BRD Catalogue Item SynchronisationV. 1.8
		None	GDSNError	BRD Catalogue Item SynchronisationV. 1.8
				BRD Catalogue Item SynchronisationV. 1.8
EntityIdentification				BRD Catalogue Item SynchronisationV. 1.8
	uniqueCreatorIdentifica-tion			BRD Catalogue Item SynchronisationV. 1.8
		contentOwner	PartyIdentification	BRD Catalogue Item SynchronisationV. 1.8
				BRD Catalogue Item SynchronisationV. 1.8
MessageException				BRD Catalogue Item SynchronisationV. 1.8
		None	GDSNError	BRD Catalogue Item SynchronisationV. 1.8
GDSNError				BRD Catalogue Item SynchronisationV. 1.8

	errorCode			BRD Catalogue Item SynchronisationV. 1.8
	ErrorDateTime			BRD Catalogue Item SynchronisationV. 1.8
	errorDescription			BRD Catalogue Item SynchronisationV. 1.8
TransactionException				BRD Catalogue Item SynchronisationV. 1.8
			EntityIdentification	BRD Catalogue Item SynchronisationV. 1.8
			CommandException	BRD Catalogue Item SynchronisationV. 1.8
			GDSNError	BRD Catalogue Item SynchronisationV. 1.8
GDSN Exception				BRD Catalogue Item SynchronisationV. 1.8

	receiver			BRD Catalogue Item SynchronisationV. 1.8
	sender			BRD Catalogue Item SynchronisationV. 1.8
			MessageException	BRD Catalogue Item SynchronisationV. 1.8
			TransactionException	BRD Catalogue Item SynchronisationV. 1.8
			EntityIdentification	BRD Catalogue Item SynchronisationV. 1.8
				BRD Catalogue Item SynchronisationV. 1.8

1.5.2   GDD Report :

1.5.2.1   Catalogue Item Confirmation

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	Official Dictionary Entry Name	Definition	Multi-plicity
CatalogueItemConfirma-tion				Catalogue Item Confirmation. Details	This re-fers to electronic commu-nication from the Data Recipient to the Data Source indicating what action has been taken on the item. The con-firmation process occurs in the re-cipient's data pool. Confirma-tion is not manda-tory. When	

| | | | | | used; it provides for the following out-comes:1. Synchro-nised: data is inte-grated; in synch and added to thesyn-chronisa-tion list.2. Accepted: data is added to the syn-chronisa-tion list and will be in synch.3. Rejected: data will not longer be syn-chronised or up-dates will no longer be pro-vided.4. Review: a | |

					request to the data source to "review" their data because the data recipient has received discrepant data which they cannot synchronise. If the data was previously synchronised; it will be removed from the synchronisation list.	
			CatalogueItemConfirmationState	Catalogue Item Confirmation. Association. Catalogue Item Confirmation State		1..1

			CatalogueItemReference	Catalogue Item Confirmation. Association. Catalogue Item Identification	N/A	1..1
			Document	Catalogue Item Confirmation. Inheritance_ Association. Electronic_ Document	N/A	1..1
		catalogueItemCon-firmationIdentification	EntityIdentification	Catalogue Item Confirmation. Catalogue Item Confirmation Identification. Entity Identifica-tion	N/A	1..1
CatalogueItemConfirma-tionState				Catalogue Item Confirmation State. Details	!! The four states reflected by a Re-cipient Data Pool are: Ac-cepted; Rejected; Review and Syn-chronised	
	recipientDataPool			Catalogue Item Confirmation State. Recipient Data Pool_ Party. GLN_ Identifier	A data pool that supports the func-tionality of the Data	0..1

					Recipient (Sub-scription; Confirma-tion; Search; Request for Notifi-cation; etc.)	
	recipientGLN			Catalogue Item Confirmation State. Recipient GLN_ Party. GLN_ Identifier	N/A	1..1
	state			Catalogue Item Confirmation State. Confirma-tion State. Cata-logue Item Con-firmation State Type_ Code	N/A	1..1
CatalogueItemRefer-ence				Catalogue Item Identification. Details	A class of informa-tion used to identify the key to the trade item in-formation using the data source GLN; the GTIN; and the Target	

				Market within the Global Data Synchro-nisation Network.	
	dataSource			Catalogue Item Identification. Data Source_ Party. GLN_ Identifier	Entity that provides the global data syn-chroniza-tion net-work with Master Data. The Data Source is officially recog-nized as the owner of this data. For a given Item or Party; the source of data is responsi-ble for perma-nent up-dates of the infor-mation under its	1..1

				responsi- bility.		
	gTIN			Catalogue Item Identification. GTIN_ Identifi- cation. GTIN_ Identifier	A particu- lar Global trade item Number; a numeri- cal value used to uniquely identify a trade item. A trade item is any trade item (trade item or service) upon which there is a need to retrieve pre- defined informa- tion and that may	1..1

					be planned; priced; ordered; delivered and or invoiced at any point in any supply chain.	
		dataSource	GlobalLocationNumber	Catalogue Item Identification. Data Source. GLN_ Party Identification		1..1
		gTIN	GlobalTradeItemNumber	Catalogue Item Identification. Identification. GTIN_ Trade Item Identification	A particular Global trade item Number, a numerical value used to uniquely identify a trade item. A trade item is any trade item (product or service) upon which there is a need to	1..1

				retrieve pre-defined information and that may be planned, priced, ordered, delivered and or invoiced at any point in any supply chain.	
		targetMarket	TargetMarket	Catalogue Item Identification. Association. Target Market	The Target Market is a geographical region based upon geographical boundaries sanctioned by the United Nations. There is one international system to	1..1

					describe geo-graphical regions, the ISO-3166-code system.	
Document				Electronic_ Document. De-tails	Used to specify basic informa-tion about the con-tent of the message including version number; creation date and time.	
	contentVersion			Electronic_ Document. Con-tent_ Version. Identifier	Not de-fined in BRD	0..1
	creationDateTime			Electronic_ Document. Creation_ Date. Date Time	Not de-fined in BRD	1..1

	documentStatus			Electronic_ Document. Status. Identifier	Indicates if the document is a copy or an original.	1..1
	documentStruc- tureVersion			Electronic_ Document. Document Structure_ Ver- sion. Identifier	Not de- fined in BRD	0..1
	lastUpdateDate			Electronic_ Document. Last Update_ Date. Date Time	Not de- fined in BRD	0..1
EntityIdentification				Entity Identifica- tion. Details	The unique identifica- tion of a docu- ment.	
	uniqueCreatorIden- tification			Entity Identifica- tion. Identifica- tion. Identifier	N/A	1..1
		contentOwner	PartyIdentification	Entity Identifica- tion. Content Owner. Party Identification	N/A	1..1

1.5.2.2 Catalogue Item Link

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	Official Dictionary Entry Name	Definition	Multiplic-ity
CatalogueItemLink				Catalogue Item Link. Details	A business message used to identify the packaging hierar-chy levels of trade items.	
	childGTIN			Catalogue Item Link. Child GTIN_ Identifica-tion. GTIN_ Identifier	not available	1..1
	gLN			Catalogue Item Link. GLN_ Party. GLN_ Iden-tifier	Unique location number man-datory within the Global Data Synchronization process to identify data owners/info pro-viders, etc such as Distribu-tors, brokers, manufacturers.	1..1
	parentGTIN			Catalogue Item Link. Parent GTIN_ Identifica-tion. GTIN_ Identifier	not available	1..1
		None	Document	Catalogue Item Link. Inheritance_ Association. Electronic_ Document	None	1..1
		catalogueItemLinkIdentifica-tion	EntityIdentification	Catalogue Item Link. Catalogue Item Link Identification. Entity Identification	None	1..1
		targetMarket	TargetMarket	Catalogue Item Link. Association. Target Mar-ket	None	1..1

Document				Electronic_ Document. Details	Used to specify basic information about the content of the message including version number, creation date and time.	
	contentVersion			Electronic_ Document. Content_ Version. Identifier	Not defined in BRD	0..1
	creationDateTime			Electronic_ Document. Creation_ Date. Date Time	Not defined in BRD	1..1
	documentStatus			Electronic_ Document. Status. Identifier	Indicates if the document is a copy or an original.	1..1
	documentStructureVersion			Electronic_ Document. Document Structure_ Version. Identifier	Not defined in BRD	0..1
	lastUpdateDate			Electronic_ Document. Last Update_ Date. Date Time	Not defined in BRD	0..1
EntityIdentification				Entity Identification. Details	The unique identification of a document.	
	uniqueCreatorIdentification			Entity Identification. Identification. Identifier	N/A	1..1

		contentOwner	PartyIdentification	Entity Identification. Content Owner. Party Identification	None	1..1
GlobalLocationNumber				GLN_ Party Identification. Details	The Global Location Number (GLN) is a structured Identification of a physical location, legal or functional entity within an enterprise. The GLN is the recommended primary party identifier. Each party identified in the trading relationship must have a primary party Identification. We recommend use of GLN. However, we have allowed for use of alternate party identification for transition.	
	gLN			GLN_ Party Identification. Identification. GLN_ Identifier	!! The Global Location Number (GLN) is a structured Identification of a physical location, legal or functional entity within an enterprise. The GLN is the recommended primary party identifier. Each party identified in the trading relationship must have a primary party Identification. We recommend use of GLN. However, we have allowed for use of alternate party identification for transition.	1..1

Business Solution Design

GlobalTradeItem-Number				GTIN_ Trade Item Iden-tification. Details	N.A.	
	gTIN			GTIN_ Trade Item Iden-tification. Identification. GTIN_ Identifier	!! A particular Global trade item Number, a numerical value used to uniquely identify a trade item. A trade item is any trade item (product or service) upon which there is a need to retrieve pre-defined information and that may be planned, priced, ordered, delivered and or invoiced at any point in any supply chain.	1..1
TargetMarket				Target Market. Details	The Target Market is a geo-graphical region based upon geographical boundaries sanc-tioned by the United Nations. There is one international system to describe geographi-cal regions, the ISO-3166-code system.	

	targetMarketCountry-Code			Target Market. Market Country. ISO3166_1_ Code	The country level or higher geographical definition in which the Information Provider will make the GTIN available to buyers. This does not in any way govern where the buyer may re-sell the GTIN to con-sumers. This code can be repeated as many times as needed. This code is repre-sented by the 2-character ISO 3166-1 code. It is a manda-tory attribute. Additionally, Target Market Subdivision Code indicates country subdi-vision where the trade item is intended to be sold. This code is represented by the 3-character ISO 3166-2 code.	1..1
	targetMarketSubdivi-sionCode			Target Market. Market Subdivision. ISO3166_2_ Code	The Target Market Subdivision Code is the secondary code of the Target Market and must be a subdivision of a Target Market Country Code. The Target Market Subdivision Code describes the "geo-political subdivision of a coun-try" where the trade item is intended for sale, as deter-mined by the Information Provider (e.g. "State" in the US). Target Market Subdivi-sion Codes must be used in conjunction with Target Market Country Codes. The Target Market subdivision code is represented by the three-	0..1

				character ISO 3166-2 code.	
	None			Target Market. Country. Code	0..*
	None			Target Market. Subdivi-sion. Code	0..*

1.5.2.3 Catalogue Item Notification

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	Official Dictionary Entry Name	Definition	Multiplicity
CatalogueItem				Catalogue Item. Details	n.a.	
	dataRecipient			Catalogue Item. Data Recipient_ Party. GLN_ Identifier	Not Available	0..1
	sourceDataPool			Catalogue Item. Source Data Pool_ Party. GLN_ Identifier	A data pool that supports the functionality required by a Data Source such as Data Loading, Publication, Notification, Registration, etc.	0..1
		None	CatalogueItemChildItem-Link	Catalogue Item. Association. Child Item Quantity	None	0..*
		None	CatalogueItemState	Catalogue Item. Association. Catalogue Item State	None	1..1
		None	TradeItem	Catalogue Item. Association. Trade Item	None	1..1

CatalogueItemNotification				Catalogue Item Notification. Details	A business message used to transmit trade item information from a data source or a data pool to a data recipient with the Global Data Synchronisation Network.	
	isReload			Catalogue Item Notification. Reload. Indicator	N/A	1..1
		None	CatalogueItem	Catalogue Item Notification. Association. Catalogue Item	None	1..1
		None	Document	Catalogue Item Notification. Inheritance_ Association. Electronic_ Document	None	1..1
		catalogueItemNotificationIdentification	EntityIdentification	Catalogue Item Notification. Association. Entity Identification	None	1..1

Document						
Document				Electronic_ Document. Details	Used to specify basic informa- tion about the content of the message includ- ing version number, crea- tion date and time.	
	contentVersion			Electronic_ Document. Content_ Version. Iden- tifier	Not defined in BRD	0..1
	creationDateTime			Electronic_ Document. Creation_ Date. Date Time	Not defined in BRD	1..1
	documentStatus			Electronic_ Document. Status. Iden- tifier	Indicates if the document is a copy or an origi- nal.	1..1
	documentStructureVersion			Electronic_ Document. Document Structure_ Version. Iden- tifier	Not defined in BRD	0..1
	lastUpdateDate			Electronic_	Not defined in	0..1

				Document. Last Update_ Date. Date Time	BRD	
EntityIdentification				Entity Identi- fication. De- tails	The unique identification of a document.	
	uniqueCreatorIdentifica- tion			Entity Identi- fication. Iden- tification. Identifier	N/A	1..1
		contentOwner	PartyIdentification	Entity Identi- fication. Con- tent Owner. Party Identifi- cation	None	1..1
TradeItem				N/A	N/A	
CatalogueItemState				N/A	N/A	
	state			N/A	N/A	1..1
	cancelDate			N/A	N/A	0..1
	discountDate			N/A	N/A	0..1
CatalogueItemChildItemLink						

	quantity			N/A	N/A	
						1..1
			CatalogueItem	N/A	N/A	
						1..1

1.5.2.4 Catalogue Item Publication

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	Official Dictionary Entry Name	Definition	Multiplic-ity
CatalogueItemReference				Catalogue Item. Details	N/A	
	dataSource			Catalogue Item Identification. Data Source_ Party. GLN_ Identifier	Entity that provides the global data synchronization network with Master Data. The Data Source is officially recognized as the owner of this data. For a given Item or Party, the source of data is responsible for permanent updates of the information under its responsibility.	1..1
	gTIN			Catalogue Item Identification. GTIN_ Identification. GTIN_ Identifier	A particular Global trade item Number, a numerical value used to uniquely identify a trade item. A trade item is any trade item (trade item or service) upon which there is a need to retrieve predefined information and that may be planned, priced, ordered, delivered and or invoiced at any point in any supply chain.	1..1

CatalogueItemPublica-tion				Catalogue Item Publication. De-tails	A business message standard used to distribute trade item information within the Global Data Synchro-nisation Network.	
	publishToGLN			Catalogue Item Publication. Choice_ Publish To GLN Party. GLN_ Identifier	N.A.	1..1
		None	CatalogueItemReference	Catalogue Item Publication. Asso-ciation. Catalogue Item Identification	None	1..1
		None	Document	Catalogue Item Publication. In-heritance_ Asso-ciation. Elec-tronic_ Document	None	1..1
	catalogueItemPublicationIdentifica-tion		EntityIdentification	Catalogue Item Publication. Cata-logue Item Publi-cation Identifica-tion. Entity Identi-fication	None	1..1
	publishToTargetMarket	TargetMarket		Catalogue Item Publication. Choice_ Publish To Target Market. Target Market	None	1..1

Document				Electronic_ Docu-ment. Details	Used to specify basic information about the content of the mes-sage including version number, creation date and time.	
	contentVersion			Electronic_ Docu-ment. Content_ Version. Identifier	Not defined in BRD	0..1
	creationDateTime			Electronic_ Docu-ment. Creation_ Date. Date Time	Not defined in BRD	1..1
	documentStatus			Electronic_ Docu-ment. Status. Identifier	Indicates if the docu-ment is a copy or an original.	1..1
	documentStructureVersion			Electronic_ Docu-ment. Document Structure_ Ver-sion. Identifier	Not defined in BRD	0..1
	lastUpdateDate			Electronic_ Docu-ment. Last Up-date_ Date. Date Time	Not defined in BRD	0..1
EntityIdentification				Entity Identifica-tion. Details	The unique identifica-tion of a document.	
	uniqueCreatorIdentification			Entity Identifica-	N/A	1..1

				tion. Identifica-tion. Identifier		
		contentOwner	PartyIdentification	Entity Identifica-tion. Content Owner. Party Identification	None	1..1
TargetMarket				Target Market. Details	The Target Market is a geographical region based upon geo-graphical boundaries sanctioned by the United Nations. There is one international system to describe geographical regions, the ISO-3166-code system.	

	targetMarketCountryCode			Target Market. Market Country. ISO3166_1_ Code	The country level or higher geographical definition in which the Information Provider will make the GTIN available to buyers. This does not in any way govern where the buyer may re-sell the GTIN to consumers. This code can be re-peated as many times as needed. This code is represented by the 2-character ISO 3166-1 code. It is a manda-tory attribute. Addi-tionally, Target Market Subdivision Code indicates country subdivision where the trade item is intended to be sold. This code is represented by the 3-character ISO 3166-2 code.	1..1

	targetMarketSubdivision-Code			Target Market. Market Subdivision. ISO3166_2_ Code	The Target Market Subdivision Code is the secondary code of the Target Market and must be a subdivision of a Target Market Country Code. The Target Market Subdivision Code describes the "geo-political subdivision of a country" where the trade item is intended for sale, as determined by the Information Provider (e.g. "State" in the US). Target Market Subdivision Codes must be used in conjunction with Target Market Country Codes. The Target Market subdivision code is represented by the three-character ISO 3166-2 code.	0..1
	None			Target Market. Country. Code		0..*
	None			Target Market. Subdivision. Code		0..*

1.5.2.5 Catalogue Item Registration Response

CatalogueItemReference				Catalogue Item Identification. Details	A class of information used to identify the key to the trade item information using the data source GLN, the GTIN, and the Target Market within the Global Data Synchronisation Network.		
	dataSource			Catalogue Item Identification. Data Source_ Party. GLN_ Identifier	Entity that provides the global data synchronization network with Master Data. The Data Source is officially recognized as the owner of this data. For a given Item or Party, the source of data is responsible for permanent updates of the information	1..1	Identifier. Content

					under its re-sponsibility.		
	gTIN			Catalogue Item Iden-tification. GTIN_ Identifica-tion. GTIN_ Identifier	A particular Global trade item Number, a numerical value used to uniquely iden-tify a trade item. A trade item is any trade item (trade item or service) upon which there is a need to re-trieve pre-defined infor-mation and that may be planned, priced, or-dered, deliv-ered and or invoiced at any point in any supply chain.	1..1	Identi-fier. Content
		targetMarket	TargetMarket	Catalogue Item Iden-tification. Association. Target Market	None	1..1	
CatalogueItemRegistrationInforma-tion				Catalogue Item Regis-	n.a.		

				tration_ Date Group. Details			
	lastChanged-Date			Catalogue Item Registration_ Date Group. Last Changed_ Date Time. Date Time		1..1	Date Time. Content Date Time. Format. Text
	registration-Date			Catalogue Item Registration_ Date Group. Registration_ Date Time. Date Time		1..1	Date Time. Content Date Time. Format. Text
CatalogueItemRegistrationResponse				Catalogue Item Registration Response. Details	A business message used to notify a data pool of the status of the registration in the Global Registry for a trade item.		
		catalogueItem-Reference	CatalogueItemReference	Catalogue Item Registration Response. Association.	None	1..1	

				Catalogue Item Identification			
		None	CatalogueItemRegistrationInformation	Catalogue Item Registration Response. Association. Catalogue Item Registration_ Date Group	None	1..1	
		None	Response	Catalogue Item Registration Response. Inheritance_ Association. Response	None	1..1	
Response				Response. Details	n.a.		
	responseStatus			Response. Status. Response Status_ Code	N/A	1..1	Code. Content
	responseStatus			Response. Response_ Status. Response Status_ Code	N/A	1..1	Code. Content
		responseIdentifica-	EntityIdentification	Response.	None	1..1	

		tion	Identifica- tion. Entity Identifica- tion			

1.5.2.6 Catalogue Item Subscription

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	Official Dictionary Entry Name	Definition	Multiplicity
CatalogueItemSubscription				Catalogue Item Subscription. Details	A business message used to establish a request for the update of trade item information from an end recipient on a continuous basis.	
	dataRecipient			Catalogue Item Subscription. Data Recipient_ Party. GLN_ Identifier	Party, which is authorized to view, use, download a set of Master Data provided by a Data Source.	1..1
	dataSource			Catalogue Item Subscription. Data Source_ Party. GLN_ Identifier	Entity that provides the global data synchronization network with Master Data. The Data Source is officially recognized as the owner of this data. For a given Item or	0..1

					Party, the source of data is responsible for permanent updates of the information under its re-sponsibility.	
				Catalogue Item Sub-scription. GTIN_ Identi-fication. GTIN_ Identi-fier	A particular Global trade item Number, a numerical value used to uniquely iden-tify a trade item. A trade item is any trade item (trade item or service) upon which there is a need to re-trieve pre-defined infor-mation and that may be planned, priced, or-dered, deliv-ered and or invoiced at any point in any supply chain.	
	gTIN					0..1

	recipientDataPool			Catalogue Item Sub- scription. Recipient Data Pool_ Party. GLN_ Identifier	A data pool that supports the functional- ity of the Data Recipient (Sub- scription, Con- firmation, Search, Re- quest for Noti- fication, etc.)	0..1
	classification	CatalogueItemClassification	Catalogue Item Sub- scription. Association. GPC_ Product Classification	None	0..1
	catalogueItemSubscriptionIdentification	EntityIdentification	Catalogue Item Sub- scription. Identification. Entity Identi- fication	n.a.	1..1
	targetMarket	TargetMarket	Catalogue Item Sub- scription. Association. Target Mar- ket	None	0..1
Document			Electronic_ Document. Details	Used to specify basic informa- tion about the content of the message in- cluding version number, crea- tion date and	

					time.	
	contentVersion			Electronic_ Document. Content_ Version. Identifier	Not defined in BRD	0..1
	creationDateTime			Electronic_ Document. Creation_ Date. Date Time	Not defined in BRD	1..1
	documentStatus			Electronic_ Document. Status. Iden- tifier	Indicates if the document is a copy or an original.	1..1
	documentStructureVersion			Electronic_ Document. Document Structure_ Version. Identifier	Not defined in BRD	0..1
	lastUpdateDate			Electronic_ Document. Last Update_ Date. Date Time	Not defined in BRD	0..1
EntityIdentification				Entity Identi- fication.	The unique identification of	

			Details	a document.	
uniqueCreatorIdentification			Entity Identi-fication. Identification. Identifier	N/A	1..1
	contentOwner	PartyIdentification	Entity Identi-fication. Content Owner. Party Identification	None	1..1
gLN			GLN_ Party Identification. Identification. GLN_ Identi-fier	!! The Global Location Num-ber (GLN) is a structured Identification of a physical location, legal or functional entity within an enterprise. The GLN is the recommended primary party identifier. Each party identified in the trading relationship must have a primary party Identification. We recommend use of GLN. However, we	1..1

					have allowed for use of alternate party identification for transition.	
TargetMarket				Target Market. Details	The Target Market is a geographical region based upon geographical boundaries sanctioned by the United Nations. There is one international system to describe geographical regions, the ISO-3166-code system.	

	targetMarketCountryCode			Target Market. Market Country. ISO3166_1_ Code	The country level or higher geographical definition in which the Information Provider will make the GTIN available to buyers. This does not in any way govern where the buyer may re-sell the GTIN to consumers. This code can be repeated as many times as needed. This code is represented by the 2-character ISO 3166-1 code. It is a mandatory attribute. Additionally, Target Market Subdivision Code indicates country subdivision where the trade item is intended to be sold. This code is represented

1..1

					by the 3-character ISO 3166-2 code.	
	targetMarketSubdivisionCode			Target Market. Market Subdivision. ISO3166_2_Code	The Target Market Subdivision Code is the secondary code of the Target Market and must be a subdivision of a Target Market Country Code. The Target Market Subdivision Code describes the "geo-political subdivision of a country" where the trade item is intended for sale, as deter-	0..1

				mined by the Information Provider (e.g. "State" in the US). Target Market Subdivision Codes must be used in conjunction with Target Market Country Codes. The Target Market subdivision code is represented by the three-character ISO 3166-2 code.	
	None		Target Market. Country. Code		0..*
	None		Target Market. Subdivision. Code		0..*
	classificationCategoryCode		Product Classification. Class. Identifier	Global EAN.UCC classification category code. Unique, permanent 10-digit key.	1..1
	classificationCategoryDefinition		Product Classification.	System generated explana-	1..1

			Class Description. Text	tion of Global EAN.UCC category.	
	classificationCategoryName		Product Classification. Class Name. Text	The system generated text equivalent of the Global EAN.UCC classification category code.	1..1
		ClassificationCategory	ClassificationCategory	Product Classification. Additional Classification. Non-GPC_ Product Classification	None	0..*
		theEANUCCTradeItemClassification	EANUCCTradeItemClassification	Product Classification. Association. GPC_ Product Classification Attribute	None	0..7
CatalogueItemClassification				N/A	N/A	N/A

1.5.2.7   Data Synchronisation Data Pool Profile

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	Official Dictionary Entry Name	Definition	Multiplicity
DataPoolCertificationInformation				Data Pool Certification. Details	n/a	
	certificationBody			Data Pool Certification. Certification Body. Text	Organization that performs the certification process. (This is stored in the Registry).	1..1
	certificationExpirationDate			Data Pool Certification. Certification Expiration_ Date Time. Date Time	Date on which the Data Pool certification is no longer valid. (This is stored in the Registry).	1..1
	certificationIdentification			Data Pool Certification. Certification_ Identification. Identifier	Value that uniquely identifies a certified member of the Global Data Synchronization Network GDSN. (This is stored in the Registry).	1..1
	certificationStartDate			Data Pool	Date on which	1..1

				Certification. Certification Start_ Date Time. Date Time	the Data Pool obtains certifi-cation. (This is stored in the Registry).	
	certificationStatus			Data Pool Certification. Status. Data Pool Certifi-cation Status_ Code	Indicator of the stage of the certification process (This is stored in the Registry).	1..1
DataSynchronisationDataPoolProfile				GDSN_ Data Pool Profile. Details	n.a.	
	dataPoolGLN			GDSN_ Data Pool Profile. Party. Identi-fier	Not Available	1..1
	electronicAddress			GDSN_ Data Pool Profile. Electronic Address. Text	The Internet Protocol identi-fication for a certified data pool within the GDSN	1..1
	endAvailabilityDate			GDSN_ Data Pool Profile. End Availabil-ity_ Date Time. Date Time	The date at which a trade item or a loca-tion will no longer exist.	1..1
	startAvailabiltyDate			GDSN_ Data	The date at	1..1

				Pool Profile. Start Availability_ Date Time. Date Time	which a trade item or location begins it's existence	
		None	DataPoolCertificationInformation	GDSN_ Data Pool Profile. Association. Data Pool Certification	None	1..1
		dataPoolProfileIdentification	EntityIdentification	GDSN_ Data Pool Profile. Identification. Entity Identification	None	1..1
		dataPoolNameAndAddress	NameAndAddress	GDSN_ Data Pool Profile. Data Pool Name And Address. Party Address Group	None	1..1
Document				Electronic_ Document. Details	Used to specify basic information about the content of the message including version number, creation date and time.	
	contentVersion			Electronic_ Document. Content_	Not defined in BRD	0..1

				Version. Identifier		
	creationDateTime			Electronic_ Document. Creation_ Date. Date Time	Not defined in BRD	1..1
	documentStatus			Electronic_ Document. Status. Identifier	Indicates if the document is a copy or an original.	1..1
	documentStructureVersion			Electronic_ Document. Document Structure_ Version. Identifier	Not defined in BRD	0..1
	lastUpdateDate			Electronic_ Document. Last Update_ Date. Date Time	Not defined in BRD	0..1
EntityIdentification				Entity Identi- fication. Details	The unique identification of a document.	
	uniqueCreatorIdentification			Entity Identi- fication. Identification. Identifier	N/A	1..1

		contentOwner	PartyIdentification	Entity Identi-fication. Content Owner. Party Identification	None	1..1
NameAndAddress				Party Address Group. De-tails	n.a.	
		city		Party Address Group. City. Text	N/A	1..1
		cityCode		Party Address Group. City Code. Text		0..1
		countryCode		Party Address Group. Coun-try Code. ISO3166_1_ Code	N/A	1..1
		countyCode		Party Address Group. County Code. Text		0..1
		crossStreet		Party Address Group. Cross Street. Text		0..1
		currency		Party Address Group. Cur-rency. ISO_ Currency_ Code	N/A	0..1
		languageOfTheParty		Party Address Group. Lan-guage. Lan-guage_ Code	N/A	1..1

				Party Address Group. Name. Text	N/A	1..1
	name					
	pOBoxNumber			Party Address Group. PO Box Number. Text	N/A	0..1
	postalCode			Party Address Group. Postal Code. Text	N/A	0..1
	provinceCode			Party Address Group. Prov- ince Code. Text	N/A	0..1
	state			Party Address Group. State. Text	N/A	0..1
	streetAddressOne			Party Address Group. Street Address One. Text	N/A	0..1
	streetAddressTwo			Party Address Group. Street Address Two. Text	N/A	0..1

1.5.2.8 Registry Catalogue Item

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	Official Dictionary Entry Name	Definition		Multiplicity
CatalogueItemClassifica-tion				GPC_ Product Classification. Details	N/A		
CatalogueItemReference				N/A	N/A		
	classificationCategory-Code			GPC_ Product Classification. Class. Identifier		1..1	Identification Scheme Agency. Identifier Identification Scheme Agency. Name. Text Identification Scheme Uniform Resource. Identifier
CatalogueItemDates				Catalogue Item_ Date Group. De-tails	N.A.		
	cancelDate			Catalogue Item_ Date Group. Can-cel_ Date Time. Date Time		0..1	Date Time. Content Date Time. Format. Text
	deletionDate			Catalogue Item_ Date Group. Dele-tion_ Date Time. Date Time		0..1	Date Time. Content Date Time. Format. Text

	discontinuedDate			Catalogue Item_ Date Group. Dis-continued_ Date Time. Date Time		0..1	Date Time. Content Date Time. Format. Text
	lastChangedDate			Catalogue Item_ Date Group. Last Changed_ Date Time. Date Time		0..1	Date Time. Content Date Time. Format. Text
	registrationDate			Catalogue Item_ Date Group. Regis-tration_ Date Time. Date Time		0..1	Date Time. Content Date Time. Format. Text
Document				Electronic_ Docu-ment. Details	Used to specify basic information about the content of the mes-sage including version number, creation date and time.		
	contentVersion			Electronic_ Docu-ment. Content_ Version. Identifier	Not defined in BRD	0..1	Identification Scheme Agency. Identifier Identification Scheme Agency. Name. Text Identification Scheme Uniform Resource. Identifier
	creationDateTime			Electronic_ Docu-ment. Creation_ Date. Date Time	Not defined in BRD	1..1	Date Time. Content Date Time. Format. Text

	documentStatus			Electronic_ Docu-ment. Status. Identifier	Indicates if the docu-ment is a copy or an original.	1..1	Identification Scheme Agency. Identifier Identification Scheme Agency. Name. Text Identification Scheme Uniform Resource. Identifier
	documentStructureVer-sion			Electronic_ Docu-ment. Document Structure_ Ver-sion. Identifier	Not defined in BRD	0..1	Identification Scheme Agency. Identifier Identification Scheme Agency. Name. Text Identification Scheme Uniform Resource. Identifier
	lastUpdateDate			Electronic_ Docu-ment. Last Up-date_ Date. Date Time	Not defined in BRD	0..1	Date Time. Content Date Time. Format. Text
EntityIdentification				Entity Identifica-tion. Details	The unique identifica-tion of a document.		
	uniqueCreatorIdentifica-tion			Entity Identifica-tion. Identification. Identifier	N/A	1..1	Identification Scheme Agency.

							Identifier Identification Scheme Agency. Name. Text Identification Scheme Uniform Resource. Identifier
		contentOwner	PartyIdentification	Entity Identification. Content Owner. Party Identification	None	1..1	
RegistryCatalogueItem				Catalogue Item Alignment. Details	N/A		
	state			N/A	N/A	1..1	
		None	CatalogueItemClassification	Catalogue Item Alignment. Association. GPC_ Product Classification	None	1..*	
		None	CatalogueItemDates	Catalogue Item Alignment. Association. Catalogue Item_ Date Group	None	0..1	
		None	CatalogueItemReference	Catalogue Item Alignment. Association. Catalogue Item Identification	None	1..1	
		None	Document	Catalogue Item Alignment. Inheritance_ Association. Electronic_	None	1..1	

				Document			
		registryCatalogueItemIden-tification	EntityIdentification	Catalogue Item Alignment. Regis-try Catalogue Item Identification. Entity Identifica-tion	None	1..1	
		None	RegistryCatalogueItem-State	Catalogue Item Alignment. Asso-ciation. Registry_ Catalogue Item State	None	1..1	
RegistryCatalogueItem-State				Registry_ Cata-logue Item State. Details	n.a.		
	State			Registry_ Cata-logue Item State. Status. Registry_ Catalogue Item State_ Code		1..1	Code. Con-tent

1.5.2.9 Request For Catalogue Item Notification

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	Official Dictionary Entry Name	Definition	Multi-plicity
CatalogueItemSub-scription				Catalogue Item Subscrip-tion. Details	A business message used to estab-lish a request for the update of trade item information from an end recipient on a continuous basis.	

	dataRecipient			Catalogue Item Subscription. Data Recipient_ Party. GLN_ Identifier	Party, which is authorized to view, use, download a set of Master Data provided by a Data Source.	1..1
	dataSource			Catalogue Item Subscription. Data Source_ Party. GLN_ Identifier	Entity that provides the global data synchronization network with Master Data. The Data Source is officially recognized as the owner of this data. For a given Item or Party, the source of data is responsible for permanent updates of the information under its responsibility.	0..1
	gTIN			Catalogue Item Subscription. GTIN_ Identification. GTIN_ Identifier	A particular Global trade item Number, a numerical value used to uniquely identify a trade item. A trade item is any trade item (trade item or service) upon which there is a need to retrieve pre-defined information and that may be planned, priced, ordered, delivered and or invoiced at any point in any supply chain.	0..1
	recipientDataPool			Catalogue Item Subscription. Recipient Data Pool_ Party. GLN_ Identifier	A data pool that supports the functionality of the Data Recipient (Subscription, Confirmation, Search, Request for Notification, etc.)	0..1
		classification	CatalogueItemClassification	Catalogue Item Subscription. Association. GPC_ Product Classification	None	0..1
		catalogueItemSubscriptionIdentification	EntityIdentification	Catalogue Item Subscription. Identification. Entity Identification	N/A	1..1
		targetMarket	TargetMarket	Catalogue Item Subscription. Association. Target Market	None	0..1

RequestForCata-logueItemNotification				Request For Catalogue Item Notification. Details	N/A	
	isReload			Request For Catalogue Item Notification. Reload. Indica-tor	N/A	1..1
		None	CatalogueItemSub-scription	Request For Catalogue Item Notification. Inheritance_ Association. Catalogue Item Subscription	N/A	1..1

1.5.2.10 EANUCC Response

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	Official Dictionary Entry Name	Definition	Multi-plicity
EANUCCResponse				EANUCC_ Response. Details	None	
	receiver			EANUCC_ Response. Receiver_ Party Identification. GLN_ Identifier	Not Available	1..1
	responseStatus			EANUCC_ Response. Response Status_ Status. Code	Not Available	1..1
	sender			EANUCC_ Response. Sender_ Party Identification. GLN_ Identifier	Not Available	1..1
		documentReceived	EntityIdentification	EANUCC_ Response. Document Received_ Association. Entity Identification	Not Available	1..1
EntityIdentification				Entity Identification. Details	The unique identification of a document.	
	uniqueCreatorIdentification			Entity Identification. Identification. Identifier	N/A	1..1
		contentOwner	PartyIdentification	Entity Identification. Content Owner. Party Identification	None	1..1

1.5.2.11 GDSN Exception

CLASS (ABIE)	ATTRIBUTE (BBIE)	ASSOCIATION (ASBIE)	SECONDARY CLASS	Official Dictionary Entry Name	Definition	Multiplic-ity
AttributeException				Attribute_ Message Level. Details	None	
	attributeName			Attribute_ Message Level. Attribute_ Name. Text		1..1
	attributeValue			Attribute_ Message Level. Attribute_ Value. Text		1..1
	xPath			Attribute_ Message Level. xPath_ Text. Text		0..1
		None	GDSNError	Attribute_ Message Level. Association. Global Data Syn-chronisation Net-work_ Error Mes-sage Line	None	0..*
CommandException				Command_ Mes-sage Level. Details	None	
		None	DocumentException	Command_ Mes-sage Level. Asso-ciation. Document_ Message Level	None	0..*

		None	EntityIdentification	Command_ Message Level. Association. Entity Identification	None	1..1	
		None	GDSNError	Command_ Message Level. Association. Global Data Synchronisation Network_ Error Message Line	None	0..*	
DocumentException				Document_ Message Level. Details	None		
		None	AttributeException	Document_ Message Level. Association. Attribute_ Message Level	None	0..*	
		None	EntityIdentification	Document_ Message Level. Association. Entity Identification	None	1..1	
		None	GDSNError	Document_ Message Level. Association. Global Data Synchronisation Network_ Error Message Line	None	0..*	
EntityIdentification				Entity Identification. Details	The unique identification of a document.		
	uniqueCreatorIdentification			Entity Identification. Identification. Identifier	N/A	1..1	

		contentOwner	PartyIdentification	Entity Identifica-tion. Content Owner. Party Iden-tification	None	1..1
MessageException				Message_ Message Level. Details	None	
		None	GDSNError	Message_ Message Level. Association. Global Data Syn-chronisation Net-work_ Error Mes-sage Line	None	1..*
GDSNError				N/A	N/A	
	errorCode			N/A	N/A	1..1
	ErrorDateTime			N/A	N/A	1..1
	errorDescription			N/A	N/A	1..1

				N/A	N/A	
TransactionException						
			EntityIdentification	N/A	N/A	
			CommandException	N/A	N/A	
			GDSNError	N/A	N/A	
GDSN Exception						
	receiver			N/A	N/A	
	sender			N/A	N/A	
			MessageException	N/A	N/A	
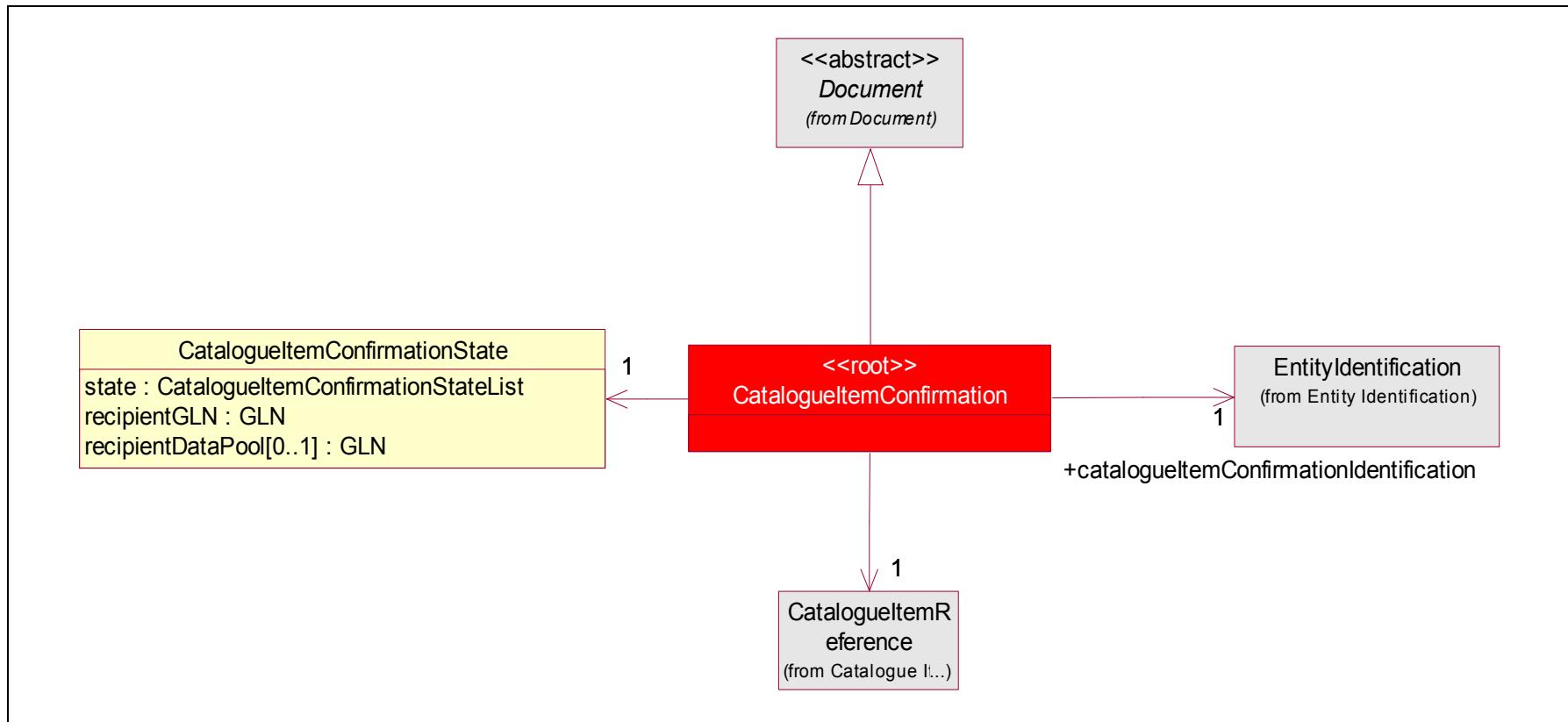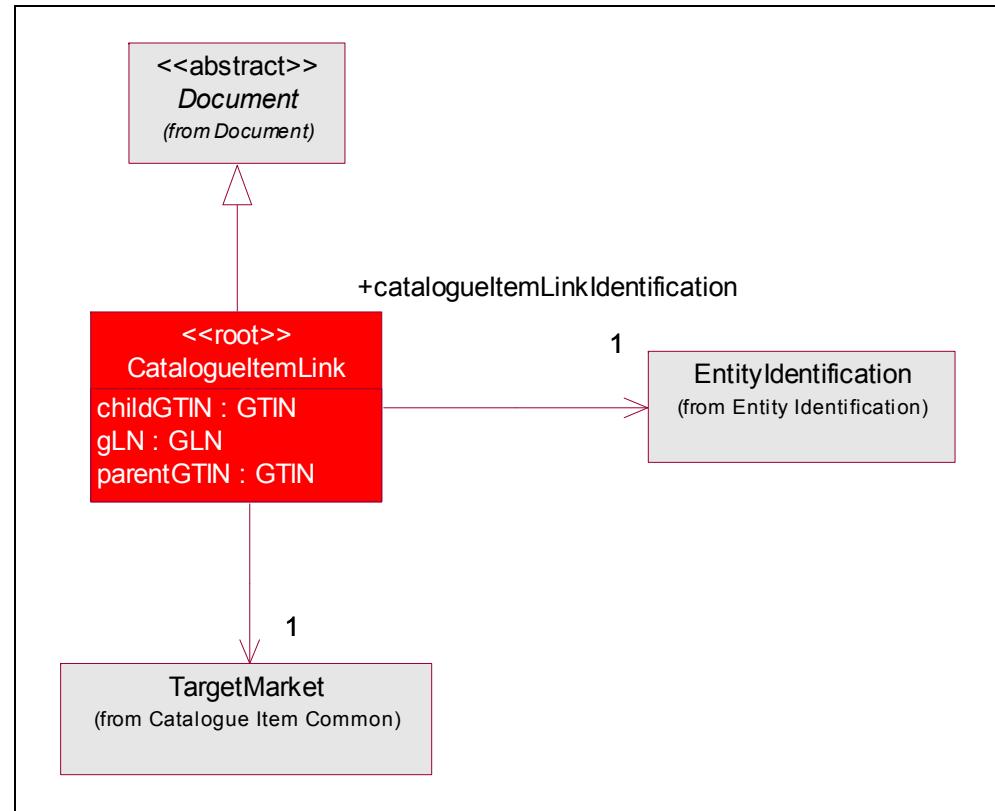
				N/A	N/A	
			TransactionException			
				N/A	N/A	
			EntityIdentification			

1.5.3 Class Diagrams
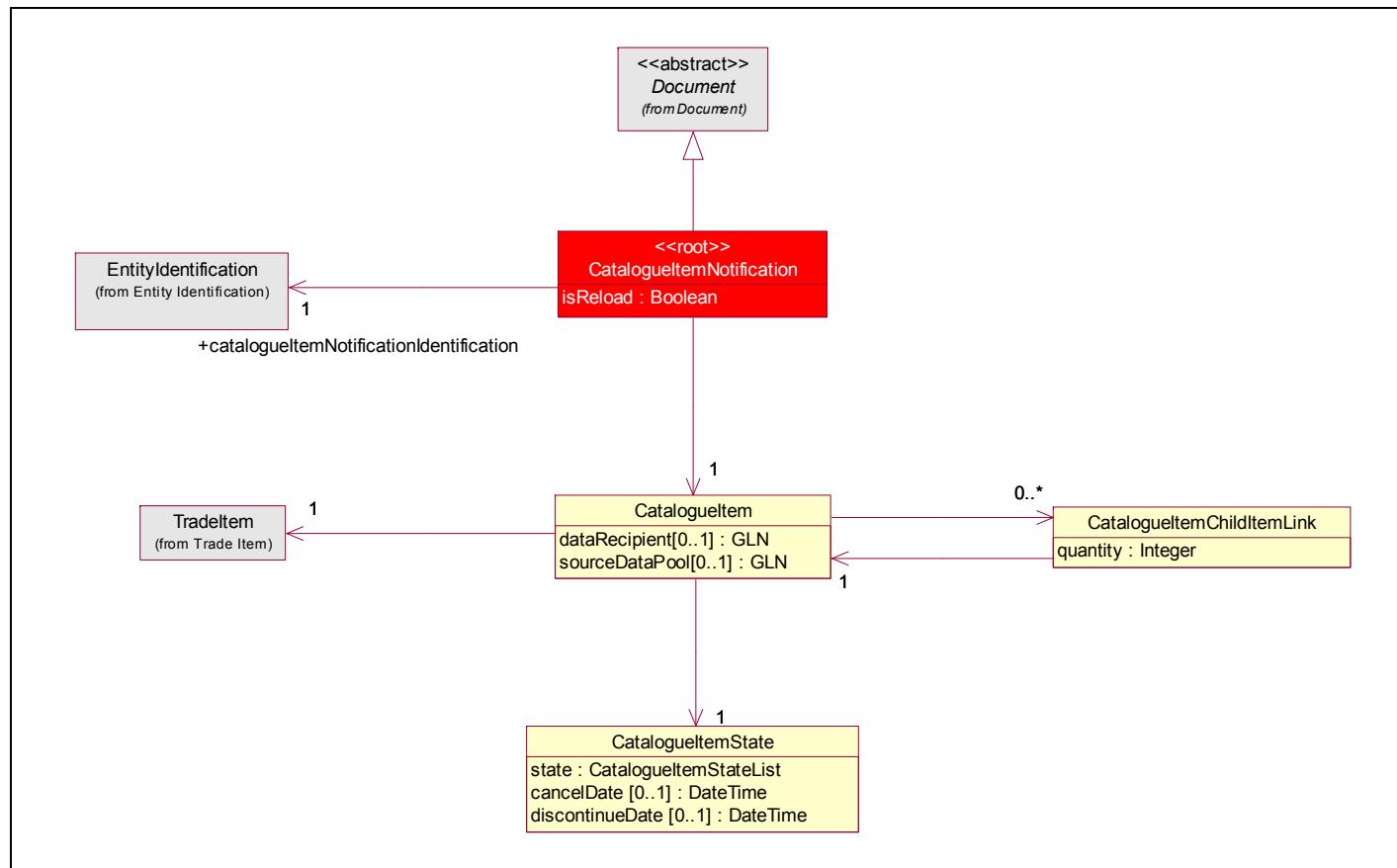
1.5.3.1 Catalogue Item Confirmation

1.5.3.2 Catalogue Item Link

```
      ┌─────────────────┐
      │  <<abstract>>   │
      │   Document      │
      │ (from Document) │
      └─────────────────┘
              △
              │
              │            +catalogueItemLinkIdentification
              │
      ┌─────────────────┐        1      ┌──────────────────────────┐
      │   <<root>>      │               │   EntityIdentification   │
      │ CatalogueItemLink│─────────────▶│ (from Entity Identification)│
      ├─────────────────┤               └──────────────────────────┘
      │ childGTIN : GTIN│
      │ gLN : GLN       │
      │ parentGTIN : GTIN│
      └─────────────────┘
              │
              │  1
              ▼
      ┌──────────────────────────┐
      │      TargetMarket        │
      │ (from Catalogue Item Common)│
      └──────────────────────────┘
```
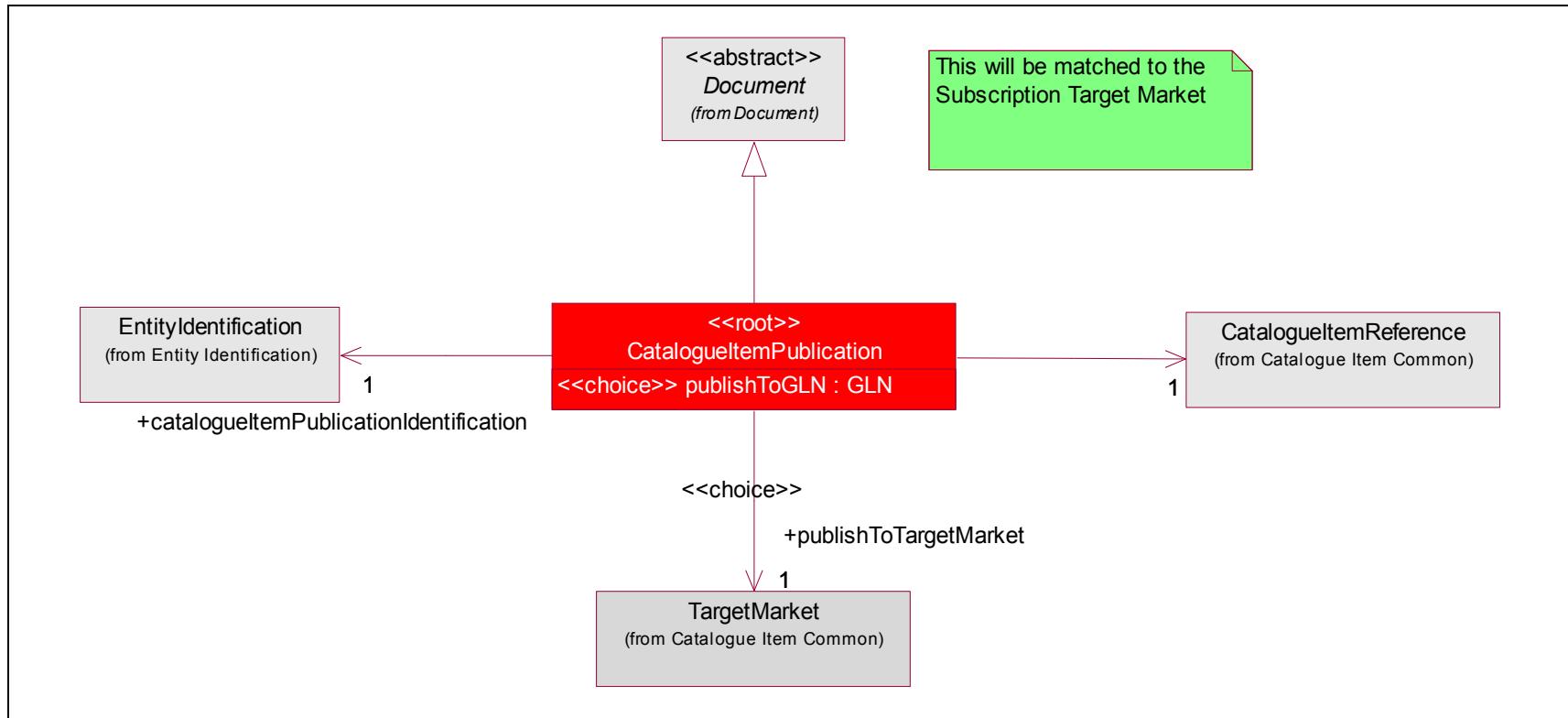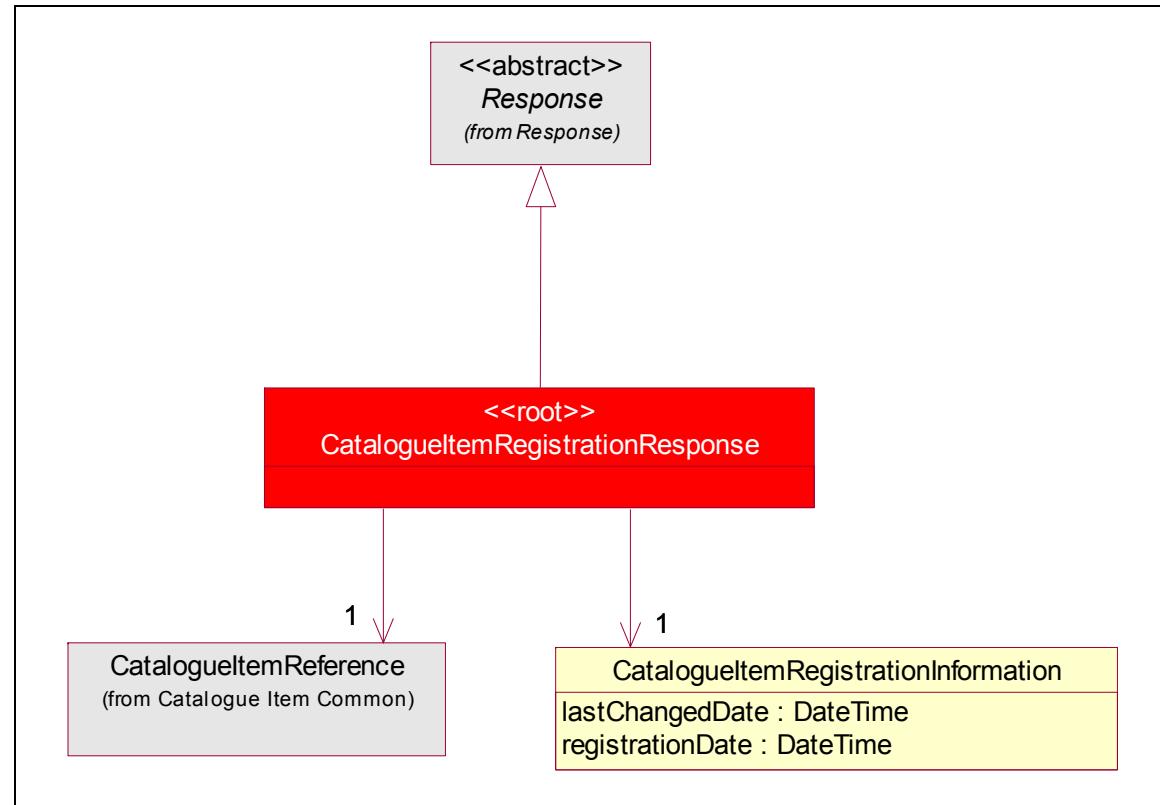
## 1.5.3.3   Catalogue Item Notification
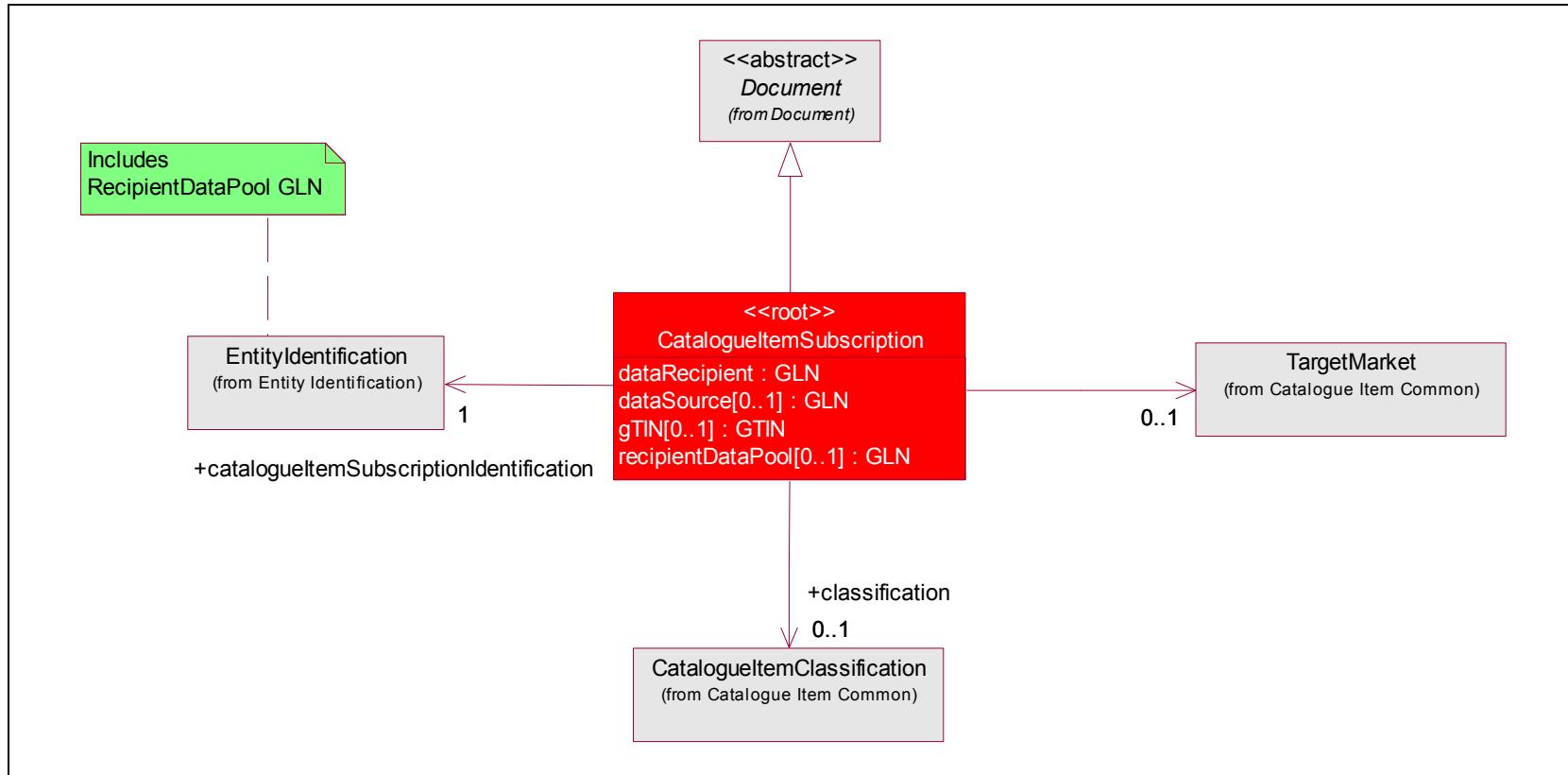
1.5.3.4 Catalogue Item Publication
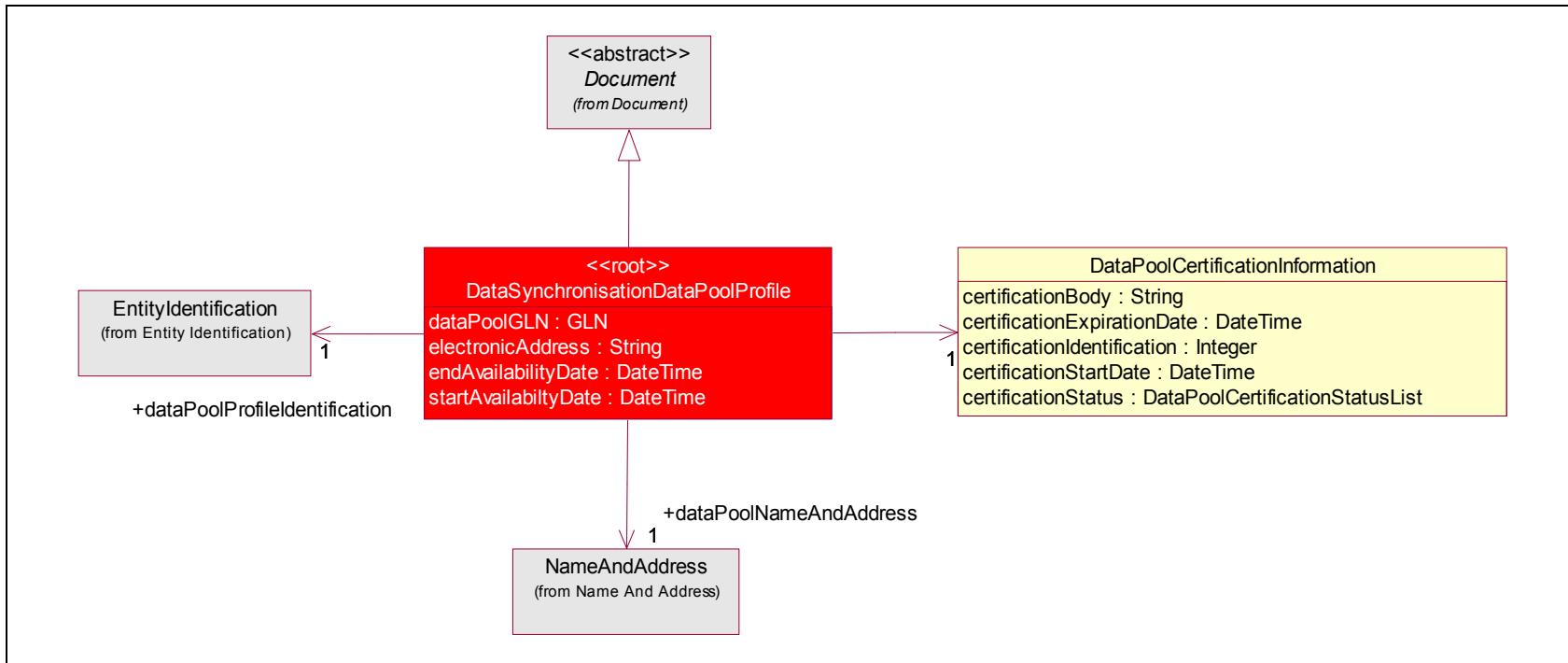
### 1.5.3.5 Catalogue Item Registration Response

1.5.3.6 Catalogue Item Subscription
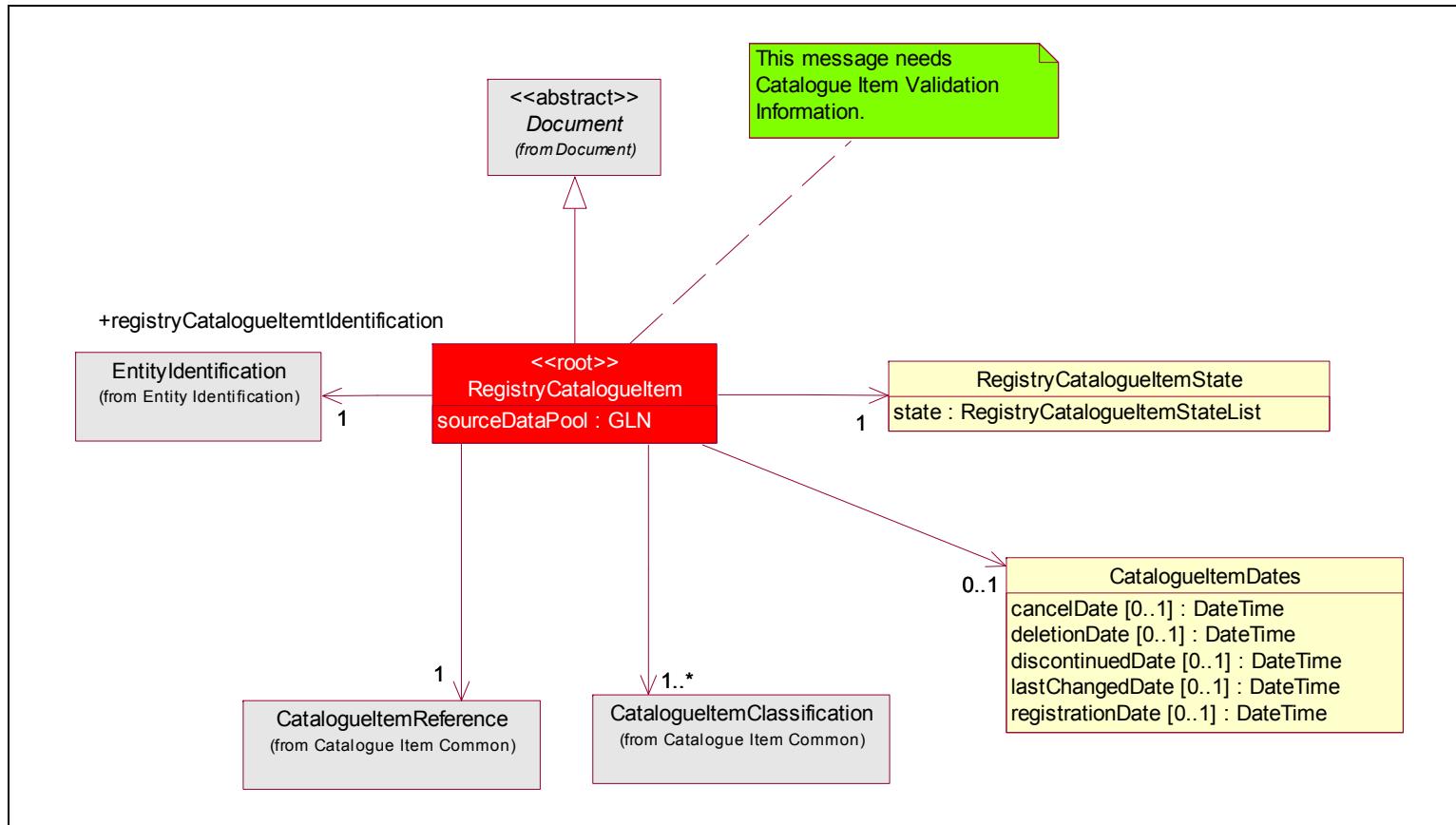
```
                                        ┌──────────────────┐
                                        │  <<abstract>>    │
                                        │   *Document*     │
                                        │ (from Document)  │
                                        └──────────────────┘
                                                 △
                                                 │
  ┌─────────────────────────┐                    │
  │ Includes                │                    │
  │ RecipientDataPool GLN   │                    │
  └─────────────────────────┘          ┌────────────────────────────────┐
              ┊                         │        <<root>>                │
              ┊                         │  CatalogueItemSubscription     │          ┌──────────────────────────┐
  ┌────────────────────────┐           ├────────────────────────────────┤          │      TargetMarket        │
  │  EntityIdentification   │◄─────────│ dataRecipient : GLN            │─────────▶│ (from Catalogue Item     │
  │ (from Entity Identif.)  │          │ dataSource[0..1] : GLN         │           │      Common)             │
  └────────────────────────┘          │ gTIN[0..1] : GTIN              │          └──────────────────────────┘
              1                        │ recipientDataPool[0..1] : GLN  │              0..1
                                       └────────────────────────────────┘
  +catalogueItemSubscriptionIdentification       │
                                                 │ +classification
                                                 │ 0..1
                                                 ▼
                                       ┌────────────────────────────────┐
                                       │   CatalogueItemClassification   │
                                       │  (from Catalogue Item Common)   │
                                       └────────────────────────────────┘
```

1.5.3.7 Data Synchronisation Data Pool Profile
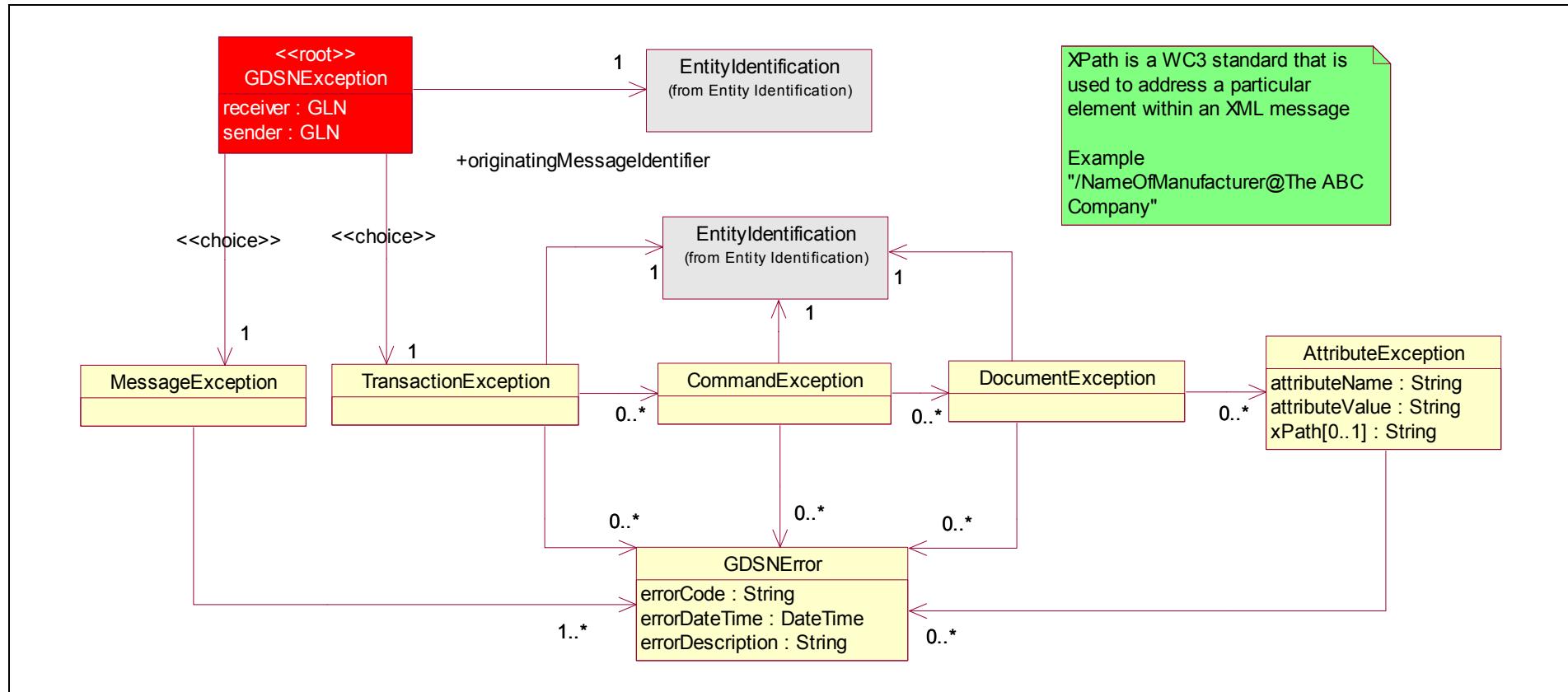
1.5.3.8 Registry Catalogue Item
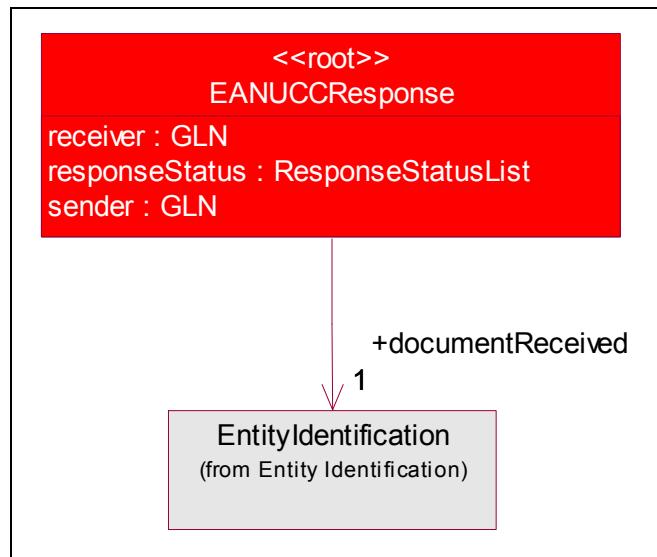
### 1.5.3.9   Request for Catalogue Item Notification

1.5.3.10 GDSN Exception

1.5.3.11 EANUCC Response

1.5.4   Code Lists

Code List Name	Code List Description
Catalogue Confirmation State List	
Code Name	**Code Description**
ACCEPTED	N/A
REJECTED	N/A
REVIEW	N/A
SYNCHRONISED	N/A

Code List Name	Code List Description
Catalogue Item State List	
Code Name	**Code Description**
CANCELED	N/A
DISCONTINUED	N/A
NEW	N/A

Code List Name	Code List Description
Registry Catalogue Item State List	
Code Name	**Code Description**
CANCELED	N/A
DISCONTINUED	N/A
NEW	N/A
REGISTERED	N/A

Code List Name	Code List Description
Response Status List	
Code Name	**Code Description**
ACCEPTED	N/A
MODIFIED	N/A
REJECTED	N/A

Code List Name	Code List Description
DataPoolCertificationStatus-List	
Code Name	**Code Description**
CERTIFICATION_INITIATED	N/A
CERTIFICATION_PENDING	N/A
CERTIFIED	N/A
REVIEWED_FOR_CERTIFICATION	N/A

1.6 Business Document Example

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
•		

2   XML Technical Solution ITRG Packet

The Technical Representation of the Business process is documented in a Technical Solution ITRG Packet containing all supplemental XML artefacts and is used by the Information Requirements Group (ITRG) to evaluate the solution. Upon approval from the Information Technical Requirements Group (ITRG), the Technical Solution ITRG Packet is updated to the Technical Solution Implementers Packet and published with the Business

Message Standard at:
http://www.ean-ucc.org/global_smp/ean.ucc_standards.htm.

Technical Solution ITRG Packet Content:
- Business Message Standard (BMS)
- ITRG Review Packet
    - Style Sheet: This HTML has been created using a Style Sheet that is a visual representation of the data. It is not an actual Style Sheet, but an example of what a Style Sheet may look like.
    - Instance File: The Instance File is an example of what the schema may look like when it includes live data. This can be used as comparison to a completed schema and can serve as a point of reference for development.
    - Technical Level GDD Report

Technical Solution Implementers Packet Content:
Contains all the message specific.XSD files required to implement
Example:
- AS2Envelope
- Command.xsd
- DocumentCommand.xsd
- Proxy.xsd
- ComponentLibrary.xsd

Both the Business Message Standard and the Implementers Packet are available during the ITRG Review Period in the working documents section of the ITRG eRoom:

http://eroom.uc-council.org/eRoom/facility/InformationTechnicalAssessmentGroupITAG/0_14f7

All documents for review will be in this folder listed by name of the Change Request and Change Request Number. The Business Message Standard is not open for review, but offered as the basis for determining the suitability of the technical solutions.

This eRoom may be accessed by using the following User Name and Password:

User Name: guest
Password: guest