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Receiving Advice Line Item Extension Cash Handling - Business Message Standard (BMS)

Release 3.5.1, Draft, Jan 2022



Document Summary

Document Item	Current Value
Document Name	Receiving Advice Line Item Extension Cash Handling Business Message Standard (BMS)
Document Date	Jan 2022
Document Version	3.5.1
Document Issue	11
Document Status	Draft

Work Request Reference

Date of WR Submission to GSMP:	WR Submitter(s):	Refer to Work Request (WR) Number(s):
01-Apr-2016	GS1 France	16-000247
01-Apr-2016	GS1 France	16-000248
01-Apr-2016	GS1 France	16-000249
01-Apr-2016	GS1 France	16-000250
01-Apr-2016	GS1 France	16-000251
01-Apr-2016	GS1 France	16-000252
03-Oct-2018	GS1 GO	18-000319

Document Change History

Date of Change	Version	Changed By	Reason for Change	Summary of Change
01-Mar-2017	BMS 3.3 – Issue 1	Ewa Iwicka	BMS Release 3.3	Initial Document Creation
15-Oct-2018	BMS 3.4 – Issue 1	Ewa Iwicka	BMS Release 3.4	See summary of changes
04-Feb-2021	BMS 3.5 – Issue 1	Miklos Bolyky	BMS Release 3.5	See summary of changes
05-Jan-2022	BMS 3.5.1 – Issue 1	Miklos Bolyky	BMS Release 3.5.1	See summary of changes

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1 Business Domain View

1.1 Introduction

Message Definition / Business need

Cash Handling Extension is an extension to the Receiving Advice Document used to enable exchange information necessary for handing of bank-notes that may be stained, torn or presumed false.

Principles

Typically, the Receiving Advice serves as a announcement of the goods received and their condition. In the context of handling of suspected bank-notes, additional data must be provided. The data are exchanged via an extension to the Receiving Advice on line item level.

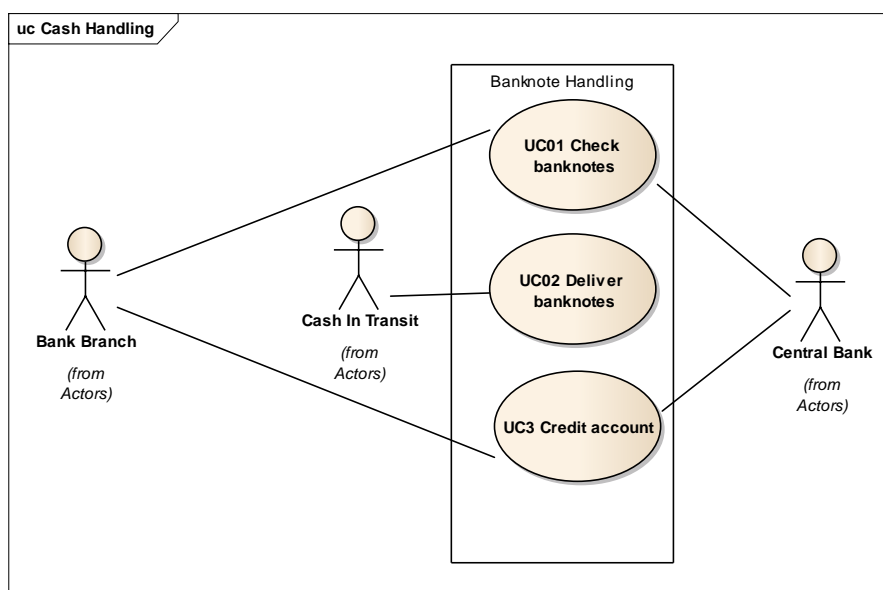
2 Business Context

Context Category	Value(s)
Industry	Finance
Geopolitical	All
Product	Cash banknotes
Process	Deliver
System Capabilities	GS1 System
Official Constraints	None

3 Business Transaction View

3.1 Business Transaction View

Use case diagram



Use case description

Use Case Name	UC1															
Use Case Description	Receive banknotes, check their condition, inform Bank branch whether customer account should be credited															
Actors (Goal)	Bank branch (ATMs, sorting machines, bundling machines, recycling machines, counting machines) Cash in Transit (party responsible for physical transfer of banknotes) Central bank															
Performance Goals	None															
Preconditions	A trading agreement (including alignment of master data, payment and delivery terms) has been established between Bank Branch Cash in Transit company and Central Bank. The conditions of crediting or refusal of crediting the customer account have been established.															
Post conditions	Central Bank has received suspicious banknotes and has been supplied with data related to their condition. Central Bank informed Bank Branch whether the customer account will be credited.															
Main Scenario	<div>Begins when the Central Bank receives suspicious banknotes from Bank Branch and checks them against condition data received earlier. Continues with:</div> <table><tr><th>Step #</th><th>Actor</th><th>Activity Step</th></tr><tr><td></td><td>Central Bank</td><td>Central Bank receives banknote condition data from Bank Branch</td></tr><tr><td></td><td>Cash In Transit company (CIT)</td><td>CIT delivers banknotes to Central Bank.</td></tr><tr><td></td><td>Central Bank</td><td>Central Bank checks the received banknotes and compares with condition data received beforehand.</td></tr><tr><td></td><td>Central Bank</td><td>Central Bank informs Bank Branch about the results of the control and their decision whether customer’s account should be credited.</td></tr></table> <div>Ends when the Bank Branch receives information from Central Bank whether or not the customer account will be credited.</div>	Step #	Actor	Activity Step		Central Bank	Central Bank receives banknote condition data from Bank Branch		Cash In Transit company (CIT)	CIT delivers banknotes to Central Bank.		Central Bank	Central Bank checks the received banknotes and compares with condition data received beforehand.		Central Bank	Central Bank informs Bank Branch about the results of the control and their decision whether customer’s account should be credited.
Step #	Actor	Activity Step														
	Central Bank	Central Bank receives banknote condition data from Bank Branch														
	Cash In Transit company (CIT)	CIT delivers banknotes to Central Bank.														
	Central Bank	Central Bank checks the received banknotes and compares with condition data received beforehand.														
	Central Bank	Central Bank informs Bank Branch about the results of the control and their decision whether customer’s account should be credited.														
Alternative Scenario(s)	Not Applicable															
Related Rules	None															

Activity diagram

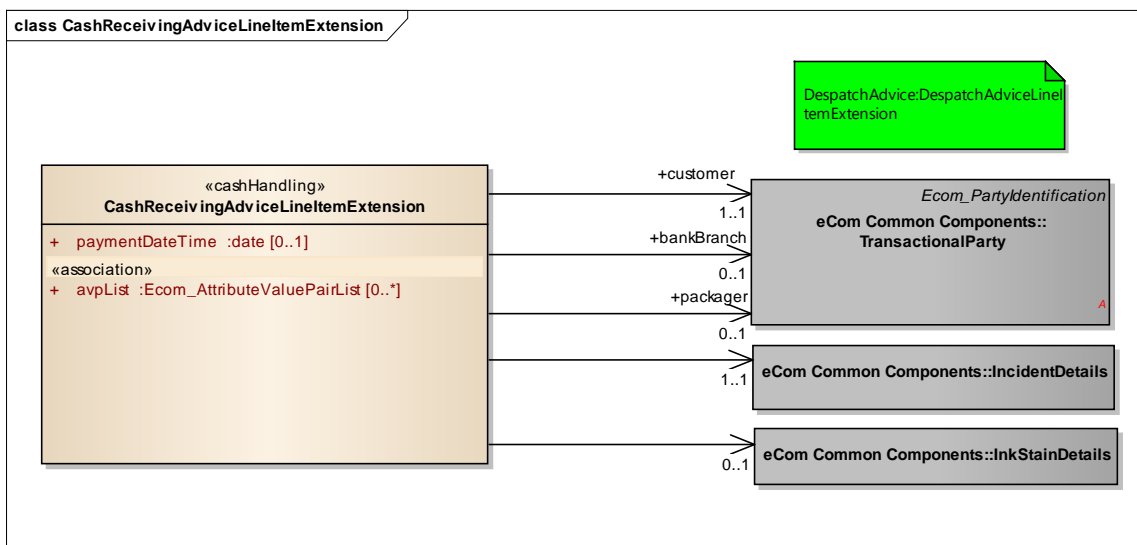
Not Applicable

Communication diagram

Not Applicable

4 Business Information View

4.1 Cash Receiving Advice Line Item Extension



GDD Report

The content of the CashReceivingAdviceLineItemExtension 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:CashReceivingAdviceLineItemExtension

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
CashReceivingAdviceLineItemExtension					An extension to the Receiving Advice document used to enable handling of cash.	16-000247 16-000248 16-000249 16-000250 16-000251 16-000252
Association		InkStainDetails	0..1		Specifies detailed circumstances of ink-staining the suspicious bank notes.	WR 16-000252
Association	customer	TransactionalParty	1..1		Indicates a physical person or a legal entity that is the account holder. If used for cash handling process, the account of the customer will not be credited if the suspect bank note is detected at the bank branch.	WR 16-000247
Association		IncidentDetails	1..1		The details of the cash related incident detection.	WR 16-000251
Association	bankBranch	TransactionalParty	0..1		Identifies bank branch that manages the cash terminal.	WR 16-000249
Attribute	cashTerminalIdentification	string	0..1		Identification of the cash terminal at which the operation has been performed by the customer.	WR 16-000248
Attribute	cashTerminalType	string	0..1		The type of the cash terminal at which the operation has been performed by the customer.	WR 16-000248

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Facets	Definition	Requirements
Attribute	paymentDateTime	date	0..1		The date on which the central bank has controlled the presumed false bank note that have been finally controlled as not false.	WR 16-000250
Attribute	avpList	Ecom_AttributeValuePairList	0..*		The placeholder for non-standard data.	

5 Business Message Examples

5.1 Example

Attribute	Value
ReceivingAdvice	
Document	
creationDateTime	2016-08-20 15:00
documentStatus	ORIGINAL
EntityIdentification (+despatchAdviceIdentification)	
entityIdentification	RA98718718
PartyIdentification (+contentOwner)	
gln	5412345000013
TransactionalParty (+shipper)	
gln	4098765000010
TransactionalParty (+receiver)	
gln	5412345000013
TransactionalParty (+shipTo)	
gln	5412345000037
DocumentReference (+despatchAdvice)	
EntityIdentification	
entityIdentification	DA349899
ReceivingAdviceLogisticUnit	
ReceivingAdviceLineItem	
lineItemNumber	1
despatchedQuantity	1
CashDespatchAdviceLineItemExtension	
paymentDateTime	2016-08-20 09:30
TransactionalParty (+customer)	
address	
city	London
name	John Dowe
postalCode	1234
streetAddressOne	Rose Street 1
financialInstitutionInformation	
financialInstitutionName	Bank of Eden
financialAccount	
financialAccountNumber	3387354-36
Gs1Code(+financialAccountNumberTypeCode)	CHECKING_ACCOUNT

Attribute	Value
TransactionalParty (+bankBranch)	
gln	4098765000010
IncidentDetails	
incidentDateTime	2016-08-20 09:00
depositDateTime	2016-08-20 09:30
incidentDetectedDuringBankNoteRecycling	0
IncidentLocation	
TransactionalParty (+incidentLocation)	
gln	4066665000010
InkStainDetails	
theftDeterrenceSystemID	ABC3487365
theftDeterrenceSystemName	Bank safe
theftDeterrenceSystemType	123
IncidentCircumstances	
complaintID	COM6789
circumstanceDescription	Armed burglary

6 Implementation Considerations

6.1 User Guide

The Functional User Guide Order contains more information about the structure and content of the Despatch Advice Line Item Cash Handling Extension:

http://www.gs1.org/docs/ecom/xml/3/3.4/eCom-Trade_messages.html#RACashExtension

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 3.3

Change	Associated WR
Initial Document Creation	16-000247
	16-000248
	16-000249
	16-000250
	16-000251
	16-000252

7.2 BMS Release 3.4

No work requests. Indirect changes due to upgrade to new Shared and eCom Common libraries.

7.3 BMS Release 3.5

No work requests. Indirect changes due to upgrade to new Shared and eCom Common libraries.

7.4 BMS Release 3.5.1

No work requests. Indirect changes due to upgrade to new Shared and eCom Common libraries.

8 Appendices

Not Applicable

9 Acknowledgements

The following is a list of individuals (and their companies) who participated in the creation, review and approval of this BMS.

9.1 Work Group

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9.2 Development Team Members

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