



Debit Credit Advice Business Message Standard (BMS)

Release 3.1

1-May-2013, Issue 1

Document Summary

Document Item	Current Value
Document Title	Debit Credit Advice - Business Message Standard (BMS)
BMS Release	3.1
Document Version	Issue 1, 1-May-2013
Work Group Name	eCom SMG
BMS Template Version	2.3

Change Request Reference

Date of CR Submission to GSMP:	CR Submitter(s):	Refer to Change Request (CR) Number(s):
20 –Ag-2008	John Ryu, GS1 Global Office	08-000209
22-Oct-2007	Andy Kim, GS1 Australia	07-000359
15-Nov-2006	Andy Kim, GS1 Australia	06-000283
19-Nov-2006	Andy Kim, GS1 Australia	06-000303
17-Dec-2006	Andy Kim, GS1 Australia	06-000334

Business Requirements Document (BRAD) Reference

BRAD Title:	BRAD Date:	BRAD Version
Debit Credit Advice Enhancements	11-Jan-2007	Version 0.0.1
Common Library	Dec 2008	BMS Release Version 2.5.0
BRD Debit or Credit Advice	17-Apr-2004	Version 1.1

Document Change History

Date of Change	Version	Changed By	Reason for Change	Summary of Change
2-Jan-2012	BMS 3.0 Issue 1.0.0	Coen Janssen	Publication of BMS release 3.0	
1-May-2013	BMS 3.1 – issue 1	Coen Janssen	BMS Release 3.1	See summary of changes

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1. Business Domain View

1.1. Problem Statement / Business Need

As part of the trade of goods and services process, situations may arise when adjustments are necessary to reflect the actual flow, price, receipt or other agreements for the use of goods and services between trading parties. Situations such as (but not limited to):

- goods being received damaged
- incorrect quantity of goods are received
- retroactive volume discounts

result in the need for one party to notify the other trading party that an adjustment is being applied, resulting in a change to the monetary amount owed/due between the parties.

The goal of this 'Debit Credit Advice' use case is to provide an electronic advice to a trading partner that a monetary adjustment - debit or credit amount value - is being applied to the purchase of goods or services.

1.2. Objective

This standard defines the transaction model and data model for the following business messages:

- Debit Credit Advice

1.3. Audience

The audience of the standards would be any participant in the global supply chain. This would include retailers, manufacturers, service providers, and other third parties

1.4. References

Reference Number	Reference Name	Description
[Ref1]	Debit Credit Advice Enhancements	Version 0.0.1
[Ref2]	BMS eCom Domain Common Library	BMS Release Version 3.1
[Ref3]	BMS Shared Common Library	BMS Release Version 3.1
[Ref4]	BRD Debit or Credit Advice	BRD Version 1.1
[Ref 5/ 8957]	BRAD Debit or Credit Advice Enhancement	BRAD Version 0.0.1

1.5. Acknowledgements

1.5.1. Work Group

Function	Name	Company / organisation
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Function	Name	Company / organisation
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Member	Bodemer, Petra	dm-drogerie markt GmbH + Co. KG
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Member	Tse, Steve	GS1 Hong Kong
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Member	Veldhuis, Saskia	Procter & Gamble Co.
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Member	Westerkamp, Jan	GS1 Netherlands
Member	Wilson, Mary	GS1 US
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Member	Yang, Shaopeng	GS1 China
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1.5.2. Development Team Members

Function	Name	Organisation
GSMP Process Lead	Jean-Luc Champion	GS1 Global Office
Standards Content Lead	Coen Janssen	GS1 Global Office
Technical Development Lead	Ewa Iwicka	GS1 Global Office
Peer Review	Eric Kauz	GS1 Global Office

2. Business Context

Context Category	Value(s)
Industry	All
Geopolitical	All
Product	All
Process	Pay
System Capabilities	GS1 System
Official Constraints	None

3. Business Transaction View

3.1. Debit or Credit Advice

Use Case Diagram

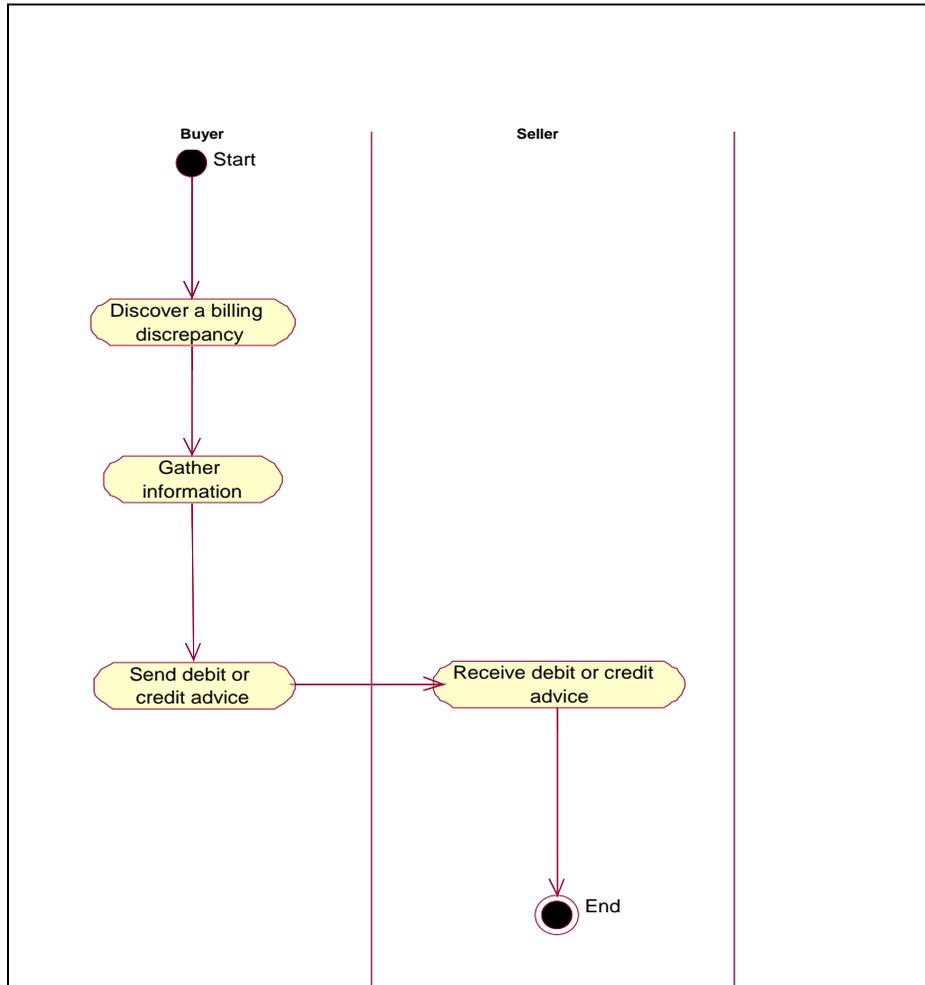
Not Applicable

Use Case Description

Use Case ID	UC-1												
Use Case Name	Debit or Credit Advice												
Use Case Description	Buyer or Seller discovers a discrepancy or needs to advise a trading party regarding one or more adjustments related to item(s) or service(s) previously traded.												
Actors (Goal)	The two general actors in the 'Debit Or Credit Advice' process are the Buyer and the Seller. Depending on the specific nature of the relationship, other players may have a role, such as a third party. A defined third party for this message may be a Carrier, who may have a relationship with the Buyer or Seller, or both.												
Performance Goals	None												
Preconditions	The Buyer and Seller have an established relationship, and have entered into an agreement for the trade of goods or services, which have defined terms and conditions for the trade.												
Post conditions	None												
Scenario	<p>Begins when...</p> <p>The Buyer or Seller discovers a discrepancy or needs to advise the other trading party regarding adjustments related to item(s) or service(s) on previously traded information.</p> <p>Continues with...</p> <table border="1" data-bbox="446 1570 1446 1801"> <thead> <tr> <th>Step #</th> <th>Actor</th> <th>Activity Step</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Buyer or Seller</td> <td>Discovers a discrepancy on previously traded information regarding goods or services.</td> </tr> <tr> <td>2</td> <td>Buyer or Seller</td> <td>Gathers the information necessary to properly give information detail to trading partner.</td> </tr> <tr> <td>3</td> <td>Buyer or Seller</td> <td>Issues appropriate Debit or Credit Advice document.</td> </tr> </tbody> </table> <p>Ends when... the Buyer or Seller issues a Debit Or Credit Advice to rectify previous transactional information, which is received by the affected party.</p>	Step #	Actor	Activity Step	1	Buyer or Seller	Discovers a discrepancy on previously traded information regarding goods or services.	2	Buyer or Seller	Gathers the information necessary to properly give information detail to trading partner.	3	Buyer or Seller	Issues appropriate Debit or Credit Advice document.
Step #	Actor	Activity Step											
1	Buyer or Seller	Discovers a discrepancy on previously traded information regarding goods or services.											
2	Buyer or Seller	Gathers the information necessary to properly give information detail to trading partner.											
3	Buyer or Seller	Issues appropriate Debit or Credit Advice document.											

Alternative Scenario	No Alternative Scenario
Related Requirements	No Related Requirements
Related Rules	No Related Rules

Activity Diagram



Sequence Diagram

Not Applicable

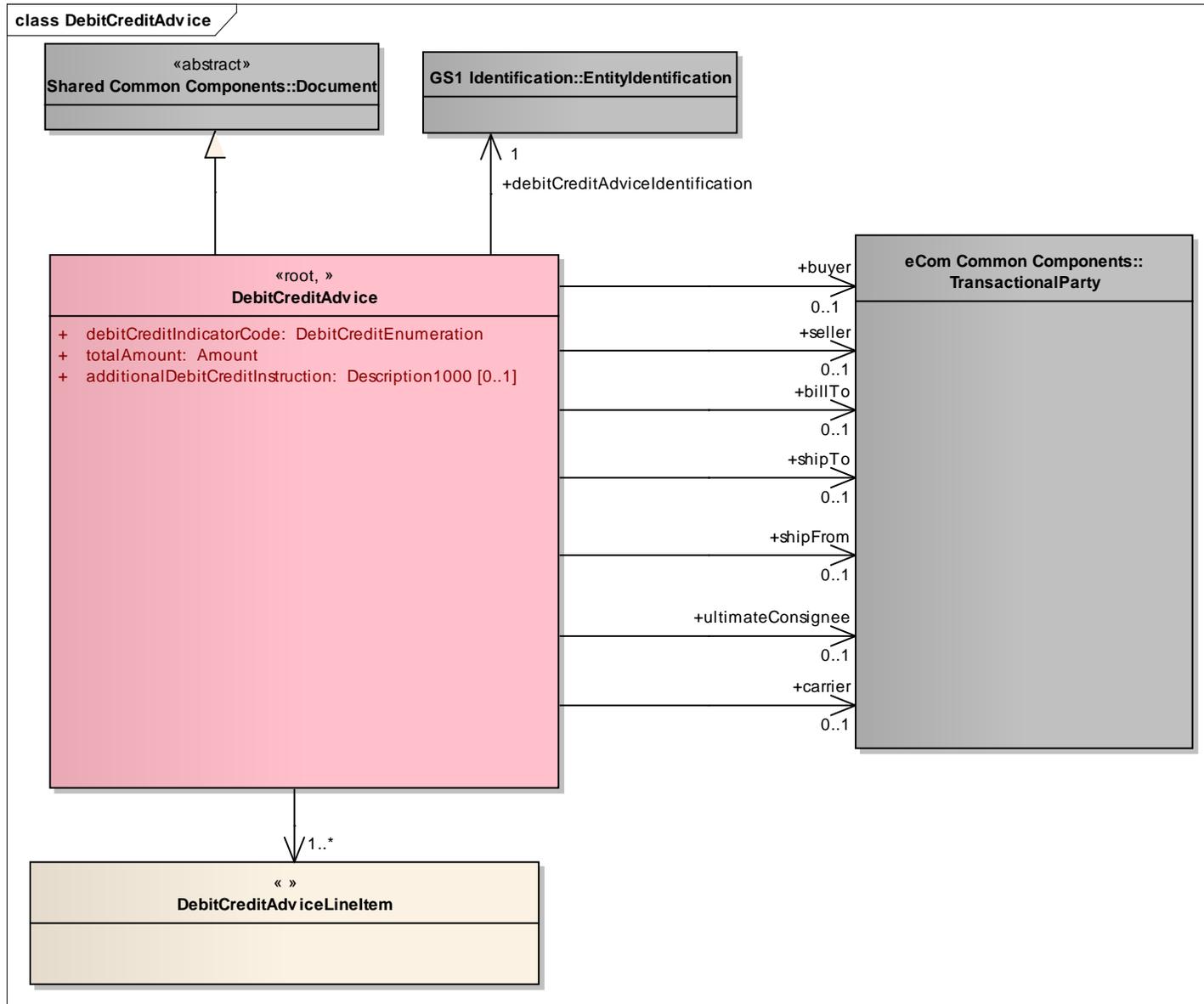
4. Business Information View



Note: Reference Shared Common Library Business Message (BMS) Release 3.0.0 and eCom Domain Common Library Business Message (BMS) Release 3.0.0 for all common information.

4.1. Debit Credit Advice

Class Diagram



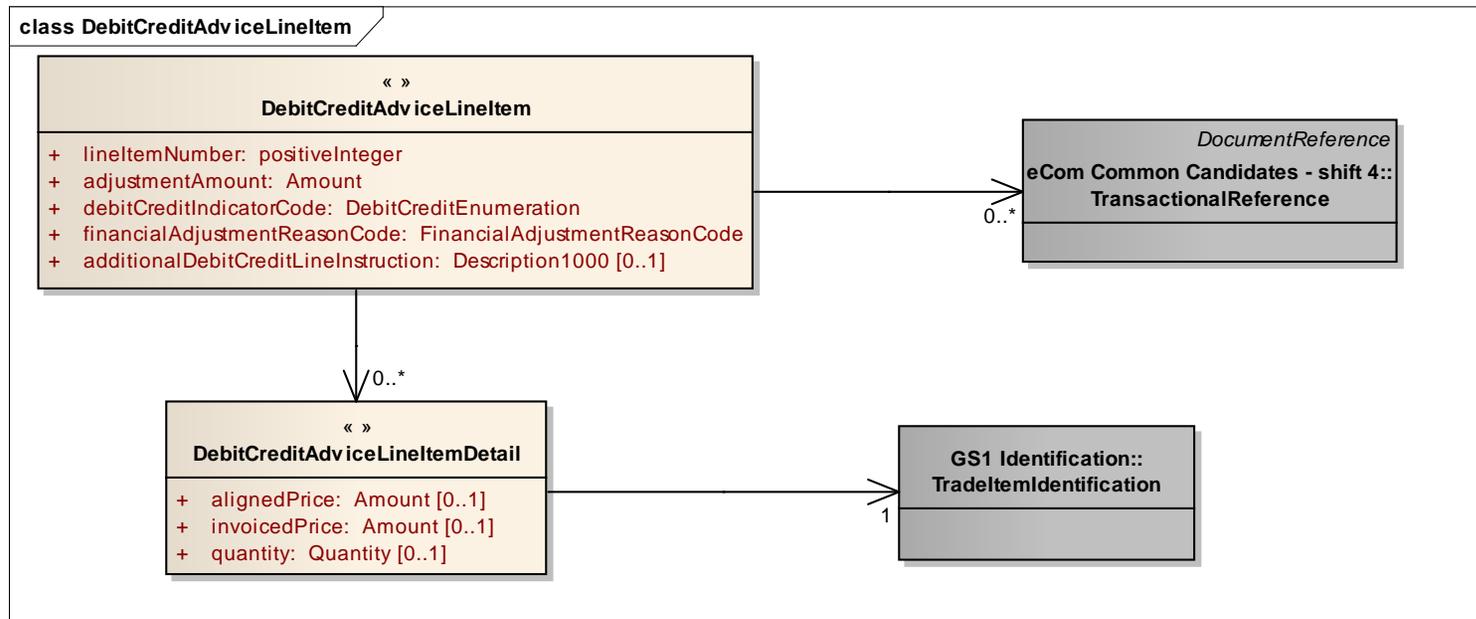
GDD Report

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
DebitCreditAdvice				The goal of the 'Debit Credit Advice' is to provide an electronic advice to a trading partner that a monetary adjustment - debit or credit amount value - is being applied to the purchase of goods or services, resulting in a change to the monetary amount owed/due between the parties..	
Association	buyer	TransactionalParty	0..1	Identifies the party to which products or services are sold.	
Association	seller	TransactionalParty	0..1	Identifies the party which sells products or services to a buyer.	
Association		DebitCreditAdviceLineItem	1..*	Provides the Debit Credit Advice Line Item details.	
Association	debitCreditAdviceIdentification	EntityIdentification	1..1	A unique identifier for the debit credit advice message.	
Association	billTo	TransactionalParty	0..1	Identifies the party which receives the invoice for the sold goods / services.	
Association	carrier	TransactionalParty	0..1	Unique identifier for the company which physically transports goods from one place to another.	
Association	ultimateConsignee	TransactionalParty	0..1	Identifies the final destination location to which goods are shipped.	
Association	shipTo	TransactionalParty	0..1	Identifies the destination location to which goods are shipped.	
Generalization		Document		Used to specify basic information about the content of the message including version number, creation date and time.	
Association	shipFrom	TransactionalParty	0..1	Identifies the origin location from which goods are shipped.	

Content	Attribute / Role	Datatype /Secondary class	Multiplicity	Definition	Requirements
Attribute	debitCreditIndicatorCode	DebitCreditEnumeration	1..1	Indicator Value indicates whether amount is a debit or credit.	
Attribute	totalAmount	Amount	1..1	Monetary amount of debit or credit.	
Attribute	additionalDebitCreditInstruction	Description1000	0..1	Comments related to message header level.This field should only be used in exception circumstances if the information cannot be codified. Examples of free text field: Faulty products taken by Sales Rep /Items disposed of, not returned /Claimed in error.	

4.2. Debit Credit Advice Line Item Detail

Class Diagram



GDD Report

Content	Attribute / Role	Datatype /Secondary class	Multipli city	Definition	Requirements
<u>DebitCreditAdviceLineItemDetail</u>				Allows a sender to provide information of multiple adjustments to a line item from the same referenced document.	
Association		TradeItemIdentification	1..1	Identification of the trade item to which the debit credit advice line detail information applies.	
Attribute	alignedPrice	Amount	0..1	Price expressed as a monetary value. Through alignment between parties, this price has been previously agreed to.	
Attribute	invoicedPrice	Amount	0..1	Monetary value of the item or service noted on the invoice.	
Attribute	quantity	Quantity	0..1	Number of units of a product or service.	
<u>DebitCreditAdviceLineItem</u>				Provides the Debit Credit Advice Line Item details.	
Association		DebitCreditAdviceLineItemDetail	0..*	Allows a sender to provide information of multiple adjustments to a line item from the same referenced document.	
Association		TransactionalReference	0..*		
Attribute	lineItemNumber	positiveInteger	1..1	Provides the line number associated to the Debit Credit Advice Line Item.	
Attribute	adjustmentAmount	Amount	1..1	Monetary amount of debit or credit adjustment.	
Attribute	debitCreditIndicatorCode	DebitCreditEnumeration	1..1	Indicator Value indicates whether the adjustment amount is a debit or credit.	
Attribute	financialAdjustmentReasonCode	FinancialAdjustmentReasonCode	1..1	Code specifying the reason for the financial adjustment.	



Content	Attribute / Role	Datatype /Secondary class	Multipli city	Definition	Requirements
Attribute	additionalDebitCreditLin eInstruction	Description1000	0..1	Comments related to the line level.This field should only be used in exception circumstances if the information cannot be codified. Examples :Aerosol doesn't work /Seeds have passed expiry date /Return due to customer dissatisfaction.	

4.3. Code Lists & Enumerations

- Note:** Reference Shared Common Library Business Message (BMS) Release 3.0.0 and eCom Domain Common Library Business Message (BMS) Release 3.0.0 for all Code Lists

Class	Codelist	Referenced in
DebitCreditAdviceLineItem	FinancialAdjustmentReasonCode	eCom Domain Common Library Business Message Standard (BMS)
	DebitCreditEnumeration	eCom Domain Common Library Business Message Standard (BMS)

5. Business Message Example

- The following is an example of an invoice message. The message is sent out on April 5th at 11 AM. The message is identified with the unique identifier CR03001 and is initiated by the buyer.
- The credit advice is sent by the buyer (9377771021131) to the seller (9377771056465).
- In this example, it is a credit advice for 3000.00. The Buyer advises that the goods have already been taken by a sellers Sales Rep, so an adjustment for credit for the buyer for 3000.00 is required
- The goods are to be shipped to
 - Brian Smith
 - 12 Gembrook Road
 - Melbourne Australia
- Contact information
 - Material Planning
 - Phone: 609.275.7575

Debit Credit Advice	
- debitCreditIndicatorCode	CREDIT
- totalAmount	3000 AUD
- additionalDebitCreditInstruction	Faulty products taken by Sales Rep
- creationDateTime	2005-04-05T11:00:00
- documentStatusCode	ORIGINAL
Entity Identification (+debitCreditAdviceIdentification)	
- entityIdentification	CR03001
Party Identification (+contentOwner)	
- gln	9377771021131
TransactionalParty (+buyer)	

- gln	9377771021131
TransactionalParty (+seller)	
- gln	9377771056465
TransactionalParty (+shipTo)	
Address	
city	Melbourne
countryCode	AU
languageOfThePartyCode	EN
name	Brian Smith
state	Victoria
streetAddressOne	12 Gembrook Road
Contact	
- departmentName	Material Planning
CommunicationChannel	
communicationChannelCode	TELEPHONE
communicationValue	6092757575
DebitCreditAdviceLineItem	
lineItemNumber	1
adjustmentAmount	3000.00 AUD
debitCreditIndicatorCode	CREDIT
financialAdjustmentReasonCode	2
additionalDebitCreditLineInstruction	Have passed expiry date
TransactionalReference	
entityIdentification	DEB1111
creationDate	2005-04-05T10:00:00
transactionalReferenceTypeCode	DL
DebitCreditAdviceLineItemDetail	
quantity	1000 PCS
TradeItemIdentification	
gtin	09377880000125

6. Implementation Considerations

Not Applicable

7. Appendices

Not Applicable

8. Summary of Changes

8.1. BMS Release 3.0

Change	BSD Version	Associated CR Number
For BMS Release 3.0.0: Updated to reflect changes in modelling methodology.	Issue 1.0.0	Not Applicable

8.2. BMS Release 3.1

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