Business Message Standard (BMS)

for

Deliver/FTL Load Tender Response

BRG: Deliver

BMS Release: 2.0

Document Version: 2.0.0

Release Date: 31.12.2004

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Change Request Reference

Refer to Change Request (CR) Number(s):	03-000119
CR Submitter(s):	Tom Heist
Date of CR Submission to GSMP:	30/07/2003

Business Requirements Document (BRAD) Reference

BRAD Title: Business Requirements Document (BRD) for FTL Load Tender Response
BRAD Date: 12.10.2004
BRAD Version: 1.8.1

BRAD Title:
BRAD Date:
BRAD Version:

Document Summary

Document Title:	BMS for Deliver/FTL Load Tender Response
Document Version:	2.0.0
Owner:	Deliver BRG
Status:	(*Check one box*) ☐ DRAFT ☑ Approved
BMS Template Version:	1.1
Targeted BMS Release:	2.0

Document Change History

Note: During development include revisions in history. Upon Approval, eliminate revisions and include only delta from previous version.

Date of Change	Version	Changed By	Reason for Change	Summary of Change	Model Build #
31/12/2004	2.0.0	Rob Toole	Added GDD information and updated class diagram		N/A

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Table of contents

Chapter Page

1 Business Solution 1
1.1 Business Domain View 1
1.1.1 Problem Statement / Business Need 1
1.1.2 Objective 1
1.1.3 Audience 1
1.1.4 Artefacts 1
1.1.5 References 1
1.1.6 Acknowledgements 2
1.1.6.1 BRG Members 2
1.1.6.2 ITRG Members 2
1.1.6.3 Task/Project Group Participants (Transportation Task Group) 3
1.1.6.4 Design Team Members 3
1.2 Business Context 4
1.3 Additional Technical Requirements Analysis 4
1.3.1 Technical Requirements (optional) 4
1.4 Business Transaction View 5
1.4.1 Business Transaction Use Case Diagram 5
1.4.2 Use Case Description 5
1.4.3 Business Transaction Activity Diagram(s) 8
1.4.3.1 Response to FTL Load Tender 8
1.4.4 Business Transaction Sequence Diagram 9
1.4.4.1 Response to FTL Load Tender 9
1.5 Information Model (including GDD Report) 10
1.5.1 Data Description: 10
1.5.2 GDD Report : 11
1.5.3 Class Diagrams 13
1.5.3.1 FTL Load Tender Response 13
1.5.4 Code Lists 14
1.6 Business Document Example 15
1.1 **Error! Bookmark not defined.**
1.7 Implementation Considerations 15
1.8 Testing 15

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Table of contents

1.8.1 Pass / Fail Criteria 15
1.8.2 Test Data 15
1.9 Appendices 16
1.10 Summary of Changes 16
2 XML Technical Solution ITRG Packet 17

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1 Business Solution

1.1 Business Domain View

1.1.1 Problem Statement / Business Need

A message is needed that can satisfy the response to a FTL Load Tender message, whereby a motor carrier (carrier) can indicate whether or not they have accepted or rejected to move a load that has been tendered.

1.1.2 Objective

To supply the detail design of a FTL Load Tender business transaction needed to meet the requirements of the referenced BRAD(s).

1.1.3 Audience

The audience of the standards would be any participant in the global supply chain. This would include carriers, and their customers and partners.

1.1.4 Artefacts

Artefact name	State	Artefact / State description
BRW FTL Load Tender Response Version 1.3		Deliver BRG approved this BRW. This BRW was the source to create the first draft BRD.
Change Request # 03-000119		Change request objective was to create a business message standard to provide a response to the FTL Load Tender business message, which was approved in 2002, harmonized and published in July 2003.

1.1.5 References

Reference Name	Description
Business Requirements Document (BRD) for FTL Load Tender Response, Version 1.8.1, 12.10.2004	
ASC ANSI X12 transaction set 990	
Transportation FTL AS-IS Model, Draft 1.2, July 13, 2001	
Transportation Glossary	

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1.1.6 Acknowledgements

1.1.6.1 BRG Members

Function	Name	Company / organisation
BRG Co-chair	Debra Noyes	Johnsonville Sausage, L.L.C.
BRG Co-chair	Sue Donarski	Schneider Logistics
BRG Member	Stephanie Hodge-Daniels	Levi Strauss & Co.
BRG Member	Mike Osiecki	Best Buy Company
BRG Member	Roman Gural	UPS
BRG Member	Wayne Gingerich	Werner Enterprises
BRG Member	Paul Martin	General Mills
BRG Member	Kari Melhus	Target Corporation
BRG Member	Jeff Miller	Kraft Foods, Inc.
BRG Member	Bob Robertson	Manhattan Associates
BRG Member	Stef Spaan	EAN Netherlands
BRG Member	Apostolos Xiradakis	Unilever
BRG Member	Thorsten Kirschner	CCG (EAN Germany)
BRG Member	Aart Koning	Albert Heijn
BRG Member	José Jean-Paul Tavares	EAN Brazil
BRG Member	Mario Abitol	EAN Argentina
BRG Member	Tamari Tashiro	DCC (EAN Japan)
BRG Manager	Bruno Julien	Gencod EAN France

1.1.6.2 ITRG Members

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

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1.1.6.3 Task/Project Group Participants (Transportation Task Group)

Function	Name	Company / organisation
Co-chair	Rick Battista	Roadway
Co-chair	Sue Donarski	Schneider Logistics
Participant	Doug Anderson	Kleinschmidt
Participant	Shanda Marvin	Procter & Gamble
Participant	Wayne Gingerich	Werner
Participant	Bob Robertson	Manhattan Associates
Participant	John Hervey	NACS
Participant	Scott Keske	Best Buy Company
Participant	Mike Osiecki	Best Buy Company
Participant	Kari Melhus	Target
Participant	Tom Moriarty	J.C. Penney
Participant	Regina De Baker	Watkins
Participant	Patrick Pinter	ABF
Participant	Dana Morton	Fedex
Participant	Franck Napoli	LMI
Participant	Jared Andrews	LMI
Participant	Brian Finale	UPS
Participant	Rita Marie Fernandez	UPS
Participant	Roman Gural	UPS

1.1.6.4 Design Team Members

Function	Name	Organisation
Modeller	John Ryu	GS1
XML Technical Designer		
EANCOM Technical Designer		
Peer Reviewer	Bob Celeste	GS1

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1.2 Business Context

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

1.3 Additional Technical Requirements Analysis

1.3.1 Technical Requirements (optional)

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

Number	Statement	Rationale
	None	

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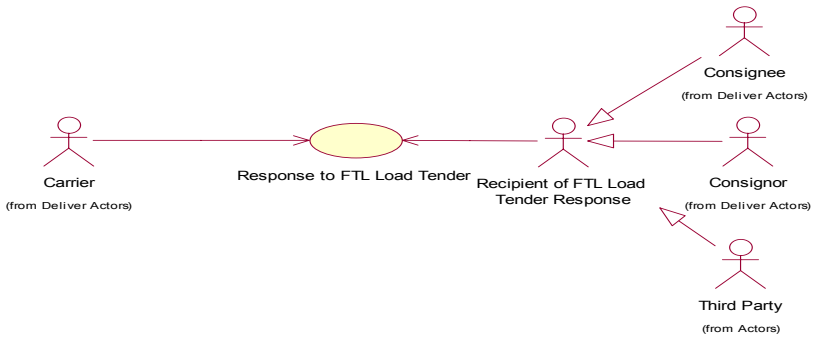
1.4 Business Transaction View

1.4.1 Business Transaction Use Case Diagram



1.4.2 Use Case Description

Use Case ID	UC-1
Use Case Name	Response to FTL Load Tender
Use Case Description	N/A
Actors (Goal)	<table><tr><th>Actor's Name</th><th>Description</th></tr><tr><td>Carrier</td><td>Party responsible for the transport of freight/goods.</td></tr><tr><td>Consignor</td><td>Party requesting the shipment of the freight/goods.</td></tr><tr><td>Consignee</td><td>Party identified as the final recipient of freight/goods. A consignee can also be a party requesting the shipment of the freight/goods.</td></tr><tr><td>Third Party</td><td>Entity providing services to party/parties associated with a shipment. Often acting on the behalf of a consignor and/or consignee.</td></tr><tr><td>Recipient of FTL Load Tender Response</td><td>This is the aggregation of the three various actors (Consignor, Consignee, Third Party) who can receive a FTL Load Tender Response.</td></tr></table>
Performance Goals	None
Preconditions	An explicit agreement between the carrier and the consignor, consignee or third Party to send/receive a FTL Load Tender Response message. A FTL Load Tender message was sent by a consignor, consignee, or third party and received by the carrier.
Post conditions	**Successful End Condition:** The carrier communicates acceptance or rejection (using the FTL Load Tender Response message) and the consignor, consignee, or third party receives the accepted or rejected FTL Load Tender Response message. **Failed End Condition:** When a response is required, and FTL Load Tender Response is not received
Scenario	**Begins when** the carrier initiates the response to the FTL Load Tender Message from the consignor, consignee, or third party.

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<table>
<tr><td></td><td>Continues with…

<table>
<tr><th>Step #</th><th>Actor</th><th>Activity Step</th></tr>
<tr><td>1</td><td>Carrier</td><td>Determines whether or not the Load Tender can be fulfilled (based on the carrier's knowledge of the requirements necessary to carry the goods specified in the Load Tender message.)</td></tr>
<tr><td>2</td><td>Carrier</td><td>Responds with an accept or reject message to the consignor, consignee, or third party.</td></tr>
<tr><td>3</td><td>Consignor, Consignee, or Third Party (Recipient of FTL Load Tender Response)</td><td>Receives the carrier's load acceptance or rejection.</td></tr>
</table>
Ends when the consignor, consignee, or third party receives the FTL Load Tender Response to the FTL Load Tender from the carrier.</td></tr>
<tr><td>Alternative Scenario</td><td>Alternative Scenario 1 (see below): Carrier acceptance of the FTL Load is implied with no FTL Load Tender Response expected or given per trading partner agreement.

Alternative Scenario 2 (see below): Carrier rejects the FTL Load and no response expected or given per trading agreement.

Alternative Scenario 3 (see below): The consignor, consignee, or third party modifies the original load tender resulting in a loop (back to step 1) until acceptance is reached.</td></tr>
<tr><td>Related Requirements</td><td>None</td></tr>
<tr><td>Related Rules</td><td>None</td></tr>
</table>

Alternative Scenario 1

Step #	Actor	Activity Step
1	Carrier	Determines whether or not the Load Tender can be fulfilled (based on the carrier's knowledge of the requirements necessary to carry the goods specified in the Load Tender message).
2	Consignor, Consignee, or Third Party (Recipient of FTL Load Tender Response)	Carrier acceptance of the load is implied with no response expected or given per trading agreement.

Alternative Scenario 2

Step #	Actor	Activity Step
1	Carrier	Determines whether or not the Load Tender can be fulfilled (based on the carrier's knowledge of the requirements necessary to carry the goods specified in the Load Tender message.)
2	Consignor, Consignee, or Third Party (Recipient of FTL Load Tender Response)	Carrier rejects the load and no response expected or given per trading agreement.

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Alternative Scenario 3

Step #	Actor	Activity Step
1	Carrier	Determines whether or not the Load Tender can be fulfilled (based on the carrier's knowledge of the requirements necessary to carry the goods specified in the Load Tender message.)
2	Carrier	Responds with a rejection message to the consignor, consignee, or third party.
3	Consignor, Consignee, or Third Party (Recipient of FTL Load Tender Response)	Receives the carrier's rejection.
4	Consignor, Consignee, or Third Party (Recipient of FTL Load Tender Response)	The consignor, consignee, or third party modifies the original load tender resulting in a loop (back to step 1, to the same or alternate carrier) until acceptance is reached.

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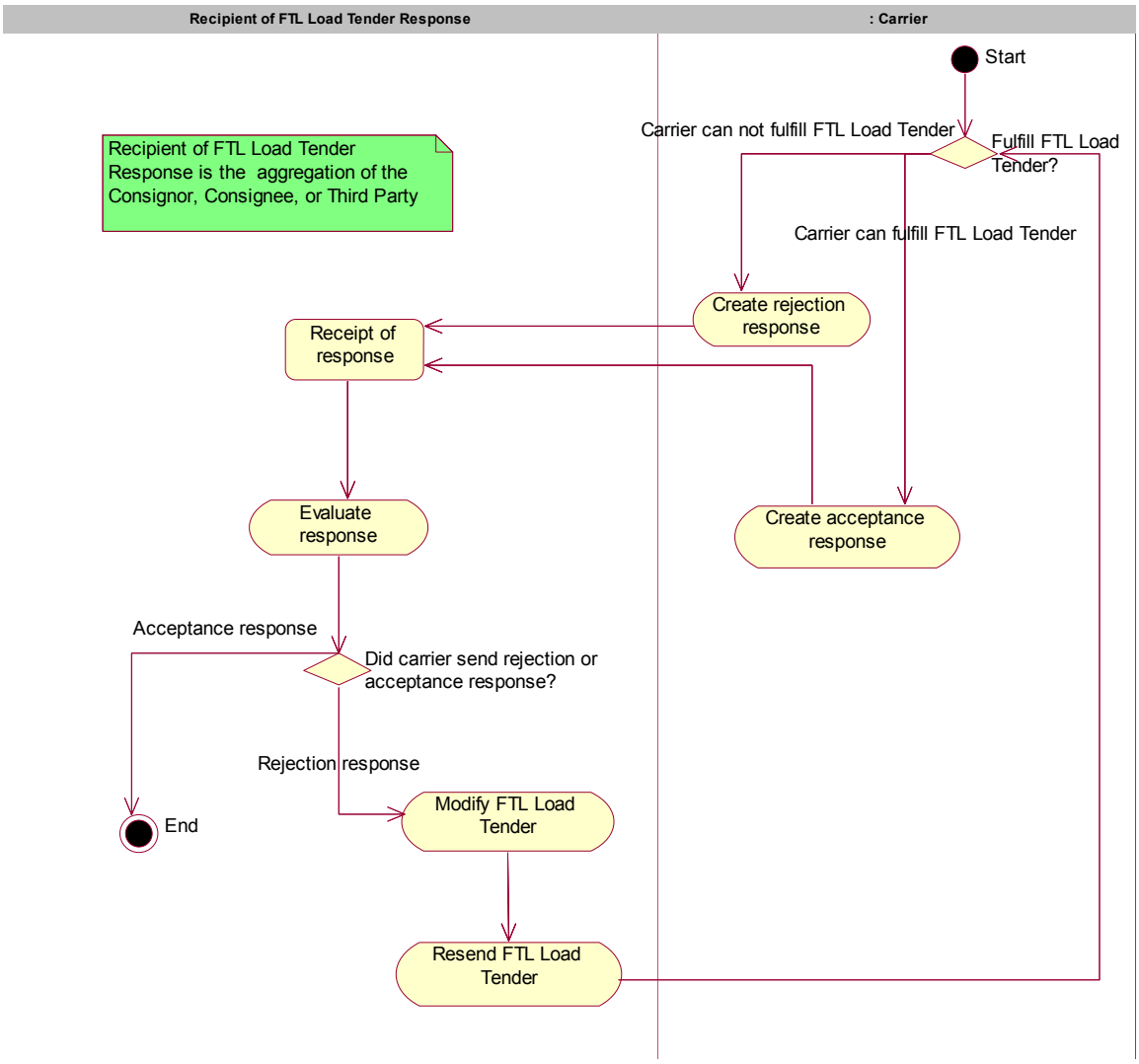
1.4.3 Business Transaction Activity Diagram(s)

1.4.3.1 Response to FTL Load Tender



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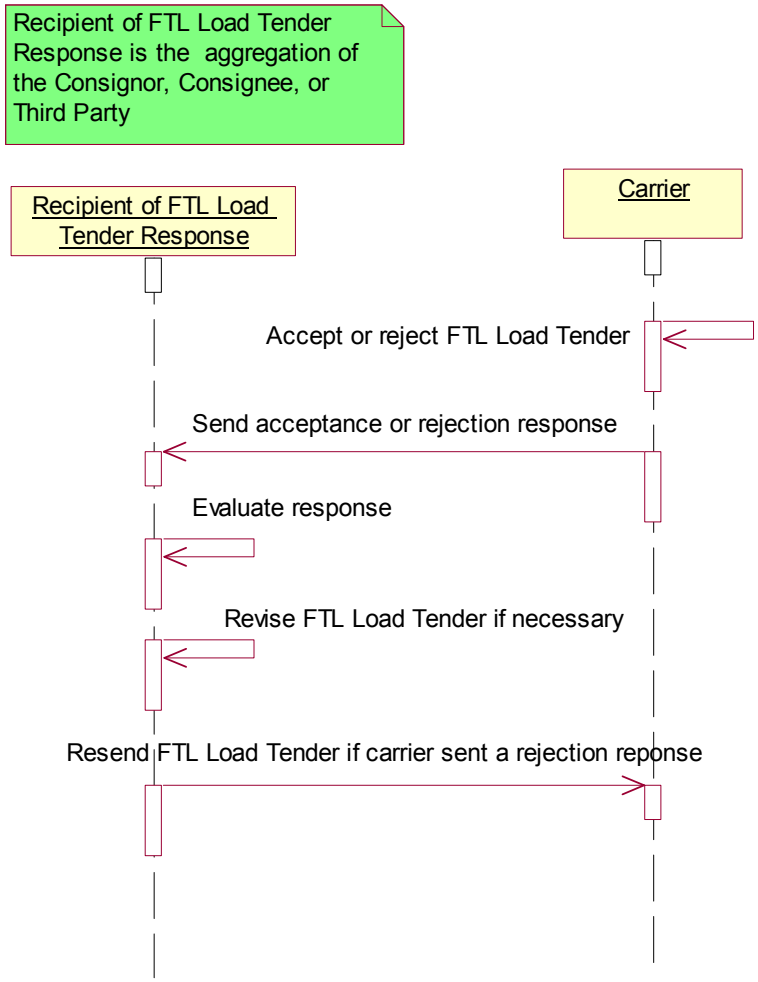
1.4.4 Business Transaction Sequence Diagram

1.4.4.1 Response to FTL Load Tender



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1.5 Information Model (including GDD Report)

1.5.1 Data Description:

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

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Related Requirements
FTLLoadTenderResponse				Business Requirements Document (BRD) for FTL Load Tender Response, Version 1.8.1, 12.10.2004
	carrierResponseDate			Business Requirements Document (BRD) for FTL Load Tender Response
	carrierResponseTime			Business Requirements Document (BRD) for FTL Load Tender Response
	loadRejectionReasonType			Business Requirements Document (BRD) for FTL Load Tender Response
	originalFTLLoadTenderReferenceIdentification			Business Requirements Document (BRD) for FTL Load Tender Response
	responseType			Business Requirements Document (BRD) for FTL Load Tender Response
		None	CarrierIdentification	Business Requirements Document (BRD) for FTL Load Tender Response

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1.5.2 GDD Report :

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

Class (ABIE)	Attribute (BBIE)	Association (ASBIE)	Secondary Class	Official Dictionary Entry Name	Definition	Multiplicity
FTLLoadTenderResponse				Full Truckload_ Load Tender Response. Details	None	
	carrierResponseDate			Full Truckload_ Load Tender Response. Carrier Response_ Date. Date Time	Shipment Identification of the original FTL Load Tender's unique document number.	0..1
	carrierResponseTime			Full Truckload_ Load Tender Response. Carrier Response_ Time. Date Time	Time on which the carrier created the acceptance or rejection response	0..1
	loadRejectionReasonType			Full Truckload_ Load Tender Response. Load Rejection Reason_ Type. FTL Load Rejection Reason List_ Code	Rejection reason code list for the FTL Load Tender.	0..1
	originalFTLLoadTenderReferenceIdentification			Full Truckload_ Load Tender Response. Original FTL Load Tender Reference Identification_ Reference Identification. Text	Shipment Identification of the original FTL Load Tender's unique document number.	1..1

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	responseType			Full Truckload_ Load Tender Response. Response_ Type. FTL Load Tender Response List_ Code	Accept or Reject indicator of the FTL Load Tender.	1..1
		None	CarrierIdentification	Full Truckload_ Load Tender Response. Association. Carrier_ Shipment Identification	None	1..1

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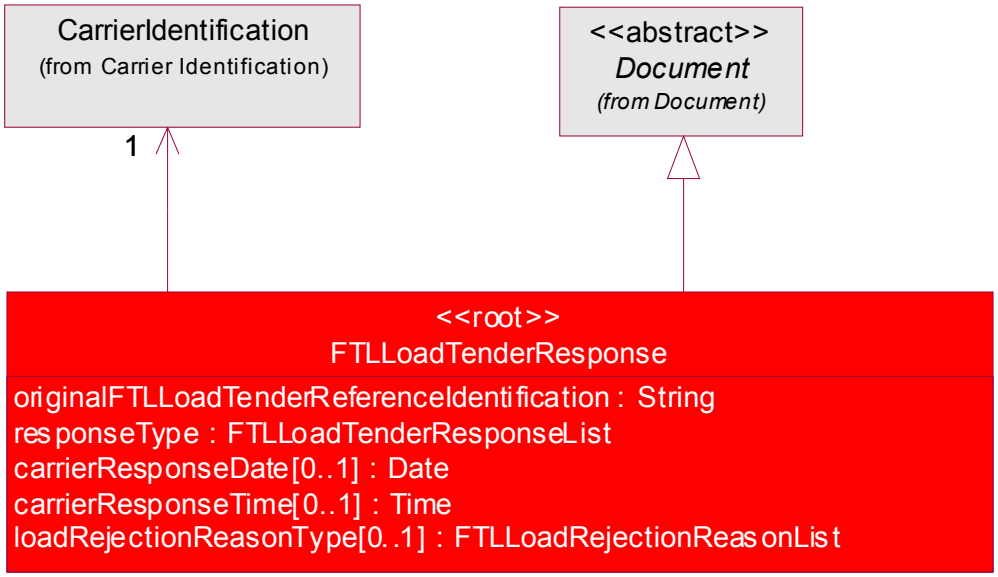
1.5.3 Class Diagrams

1.5.3.1 FTL Load Tender Response



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1.5.4 Code Lists

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

Code List Name	Code List Description
FTLLoadTenderResponse List	Not available
Code Name	**Code Description**
ACCEPT	Not available
REJECT	Not available

Code List Name	Code List Description
FTLLoadRejectionReasonList	Not available
Code Name	**Code Description**
CAPACITY_TYPE	Not available
CAPACITY_UNAVAILABLE	Not available
EQUIPMENT_TYPE	Not available
EQUIPMENT_UNAVAILABLE	Not available
LENGTH_OF_HAUL	Not available
PERMITS	Not available
RATE	Not available
WEIGHT	Not available

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1.6 Business Document Example

Not available

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	*Reflects a specific business requirement from a related BRAD. For example: When goods are ordered, the buyer requires an answer from the suppliers that the order has been received.*	*BRAD Name.Version. Req #*	*Message, role, attribute*	*Result which determines that requirement has been satisfied: For example:* *Seller is able to create and send an Order Receipt Acknowledgement.*	*Result which shows that requirement has not been satisfied: For example:* *Buyer does not receive the Order Receipt Acknowledgement.*
2					
3					

1.8.2 Test Data

Attribute	Value
Attribute Name. For example "orderQuantity"	*Valid value associated with the attribute. For example "5".*

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1.9 Appendices

1.10 Summary of Changes

(Details changes to BMS for each version by BMS Section)

Change	BMS Version	Associated CR Number
•		

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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 ex-ample 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

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