Draft
June 2017
CEFACT/___/___

UNITED NATIONS ECONOMIC COMMISSION FOR EUROPE

UNITED NATIONS CENTRE FOR TRADE FACILITATION
AND ELECTRONIC BUSINESS (UN/CEFACT)

BUSINESS REQUIREMENTS SPECIFICATION
(BRS)

Cross Industry Scheduling Process v2.0

Public Draft v1.3

Approved: UN/CEFACT Bureau _____

Version: 2.0
Release: 1.3

Document Summary

Document Item	Current Value
Document Title	Business Requirements Specification Cross Industry Scheduling Process v2.0
Date Last Modified	2017-05-11
Current Document Issue	Version 2.0 Release 1.0
Status	Draft
Document Description (one sentence summary)	This BRS details the requirements for the Scheduling processes. The scheduling process supports various demand and supply modes, such as Kanban, Synchronized, MRP or VMI (CPFR).

Log of Changes

Version	Date of Change	Paragraps changed	Summary of Change
	25 June 2008	Various	Added detail to use cases and clarified/added business requirements to business entity relationships. Minor edits for formatting and grammar.
1.00.07	4. September 2008	Various	Minor editorial changes on the template.
1.00.08	13 September 2008	5.1 & 5.2	Restructured the use cases based on the feedback from TBG14.
1.00.09	27 October 2008	5.1 & 5.2	Minor change on figures 5-2 and 5-15 based on the remarks from TBG14.
1.00.10	27 September 2016	5.1 & 5.2 Add 5.3.6	Minor change on figures 5-2 and 5-15 based on the remarks from TBG14. Add Information Model for Consumption Report.
v2.0 rel1.0	11 May 2017	Change 5.1.1.2 Chang 5.3.4	Generalize the definition of KANBAN and Add the information model for Logistics Identification Tag.

TABLE OF CONTENTS

1. Preamble

The current practice of the exchange of business documents by means of telecommunications – usually defined as e-Business presents a major opportunity to improve the competitiveness of companies, especially for Small and Medium Enterprises (SME).

Started as an initiative by CEN/ISSS Workshop eBES, the European Expert Group 1 (EEG1) – Supply Chain & e-Procurement developed the Cross Industry Scheduling Process in 2006. The Cross Industry Scheduling Process has been compiled with contributions and submissions from: EUROFER, BoostAero, EDIFRANCE, Odette, GS1, UN/CEFACT TBG12.

TBG1 has drafted the BRS for further processing through the UN/CEFACT Forum process with the goal of developing the UN/CEFACT ebXML standard messages for the transactions of the scheduling process.

The purpose of this document is to define globally consistent scheduling processes for worldwide supply chains, using the UN/CEFACT Modelling Methodology (UMM) approach and Unified Modelling Language to describe and detail the business processes and transactions involved.

The structure of this document is based on the structure of the UN/CEFACT Business Requirements Specification (BRS) document reference CEFACT/ICG/005.

2. References

- UN/CEFACT TBG1 Common Supply Chain BRS, Release 1
- UN/CEFACT TBG2 Buy-Ship-Pay (Including UNeDocs) BRS, version 1.0
- UN/CEFACT Modeling Methodology (CEFACT/TMG/N090R10, November 2001)
- UN/CEFACT Business Requirements Specification version 1.5 (CEFACT/ICG/005)
- Business Requirement Specification – Document Template v2.0.1 (May 2012)
- BRS_ Cross Industry Scheduling Process v1.0.9 (September 2008)
- UN/EDIFACT – Delivery Schedule and Delivery JIT messages

3. Objective

The objective of this document is to standardize the business processes, the business transactions and the information entities of the exchange of data used by industries in the scheduling processes of supply chain.

The business process is the detailed description of the way trading partners intend to play their respective roles, establish business relations and share responsibilities to interact efficiently with the support of their respective information systems.

Each Business transaction is realized by an exchange of Business documents (also called messages). The sequences in which these documents are used, composes a particular instance of a scenario and are presented as activity diagrams in the document.

The business documents are composed of Business Information Entities (BIE), which are preferably taken from libraries of reusable business information entities. The contents of the business documents and the Business Information Entities are presented using class diagrams and/or requirement lists.

4.   Scope

This BRS details the requirements for the Scheduling processes. The scheduling process supports various demand and supply modes, such as Kanban, Synchronized, MRP or VMI (CPFR).
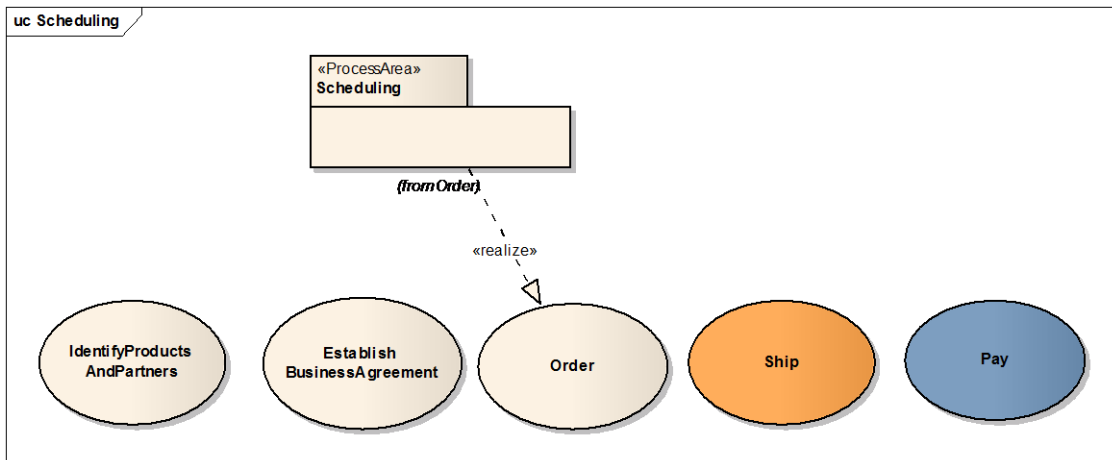
4-1 Positioning Cross Industry Scheduling within BUY-SHIP-PAY Process Model

Categories	Description and Values
Business Process	BUY-SHIP-PAY/Procurement&Sales/Order/Scheduling
Product Classification	All
Industry Classification	All
Geopolitical	All
Official Constraint	None
Business Process Role	Customer, Supplier
Supporting Role	ShipFrom, ShipTo, buyer, Seller
System Capabilities	All

5. Business Requirements

5.1. Business Process Elaboration

The Customer and the Supplier should agree the contractual conditions (commercial, logistic, financial, etc.) prior to initiating the scheduling processes. The circumstances in which the scheduling processes are used and the interaction between the processes, need to be clearly defined between the Customer and the Supplier.

The scheduling processes are used in combination with a Contract or a Purchase Order. The Contract or Purchase Order is used to specify titles, rights, commitments, obligations and the product specification for the requested product and if applicable the terms of delivery and the delivery locations. To control the supply of the goods, the information given in the Contract or Purchase Order must be supplemented with the supply information, such as delivery time(s) and quantities and, if necessary, terms of delivery and delivery locations.

Scheduling includes the following high level business processes:

- Customer controlled supply, covering the Coordinated Supply, KANBAN and Synchronized Supply scenarios.

- Supplier controlled supply, covering the VMI scenario.
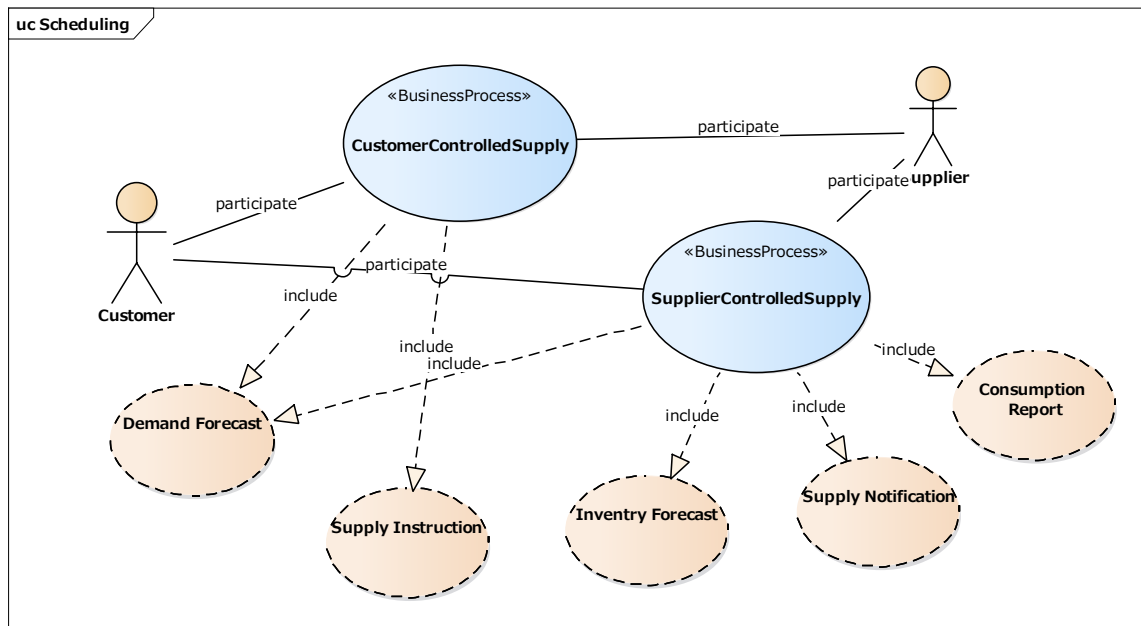
Figure 5-1 Business process overview

5.1.1. Customer controlled supply

The Customer controlled supply scheduling cycle is divided in two subprocesses:

1. Demand Forecasting

This process is initiated by the Customer and covers the exchange of information for forecasted requirements and possibly short term firm requirements. In the Customer controlled supply process forecasted requirements are often netted against Customer inventory levels in order to more accurately reflect the quantities that may be required.

2. Supply Instruction

The Supply Instruction process is initiated by the Customer and covers the exchange of information for short term firm requirements and is used to authorize the delivery of goods.

Note: In some cases the short term firm requirements could be included in the Demand Forecast..(not recommended)

Note: In some cases the Supply Instruction process may be used without Demand Forecasting.

5.1.1.1. Coordinated Supply scenario

In this scenario, the Demand Forecast is normally used because the supplier needs visibility on the forecast to be able to have the goods available for despatch.

The needs come from the Customer MRP (Material Resource Planning) system and are sent to the supplier with the Supply Instruction message.

Figure 5-2 Business Process Activity Diagram

Figure 5-3 Business Collaboration Use Case Diagram

Figure 5-4 Business Collaboration Protocol - Activity Diagram

5.1.1.2. KANBAN scenario

KANBAN scenario is a system of communication between workers during a manufacturing process, in which they order the materials and parts they need using cards (Logistics Identification Tag).

In this scenario the Demand Forecast is not necessarily required, especially when the usage is fairly constant.

When materials and parts in the logistics container (such as a box) are consumed, the customer sends a KANBAN signal via the supply instruction message. When the supplier receives the supply instruction he will prepare the despatch of a full box to replace the empty one.

As it is possible in the other scenarios (synchronous, SCC (Supply Chain Collaboration), …), the Supply Instruction could include a Logistic identification tag (called also a Kanban).

The supplier will prepare a Logistics Identification Tag according to the information received. The Logistic identification tag will be attached to the logistics container at the delivery.

act KANBAN

Customer	Supplier

Initial

[with Demand Forecast]

«BusinessProcessA...
Assemble Demand Forecast

«SharedBusi...
:DemandForecast
[issued]

«BusinessProcessActivity»
ReviewDemandForecast

«BusinessProcessActivity»
EvaluateDemandForecastResponse

«SharedBusi...
:DemandForecast
[rejected]

«SharedBusi...
:DemandForecast
[accepted]

[w.o. Demand Forecast]

«BusinessProcessA...
IssueSupplyInstruction

«SharedBusin...
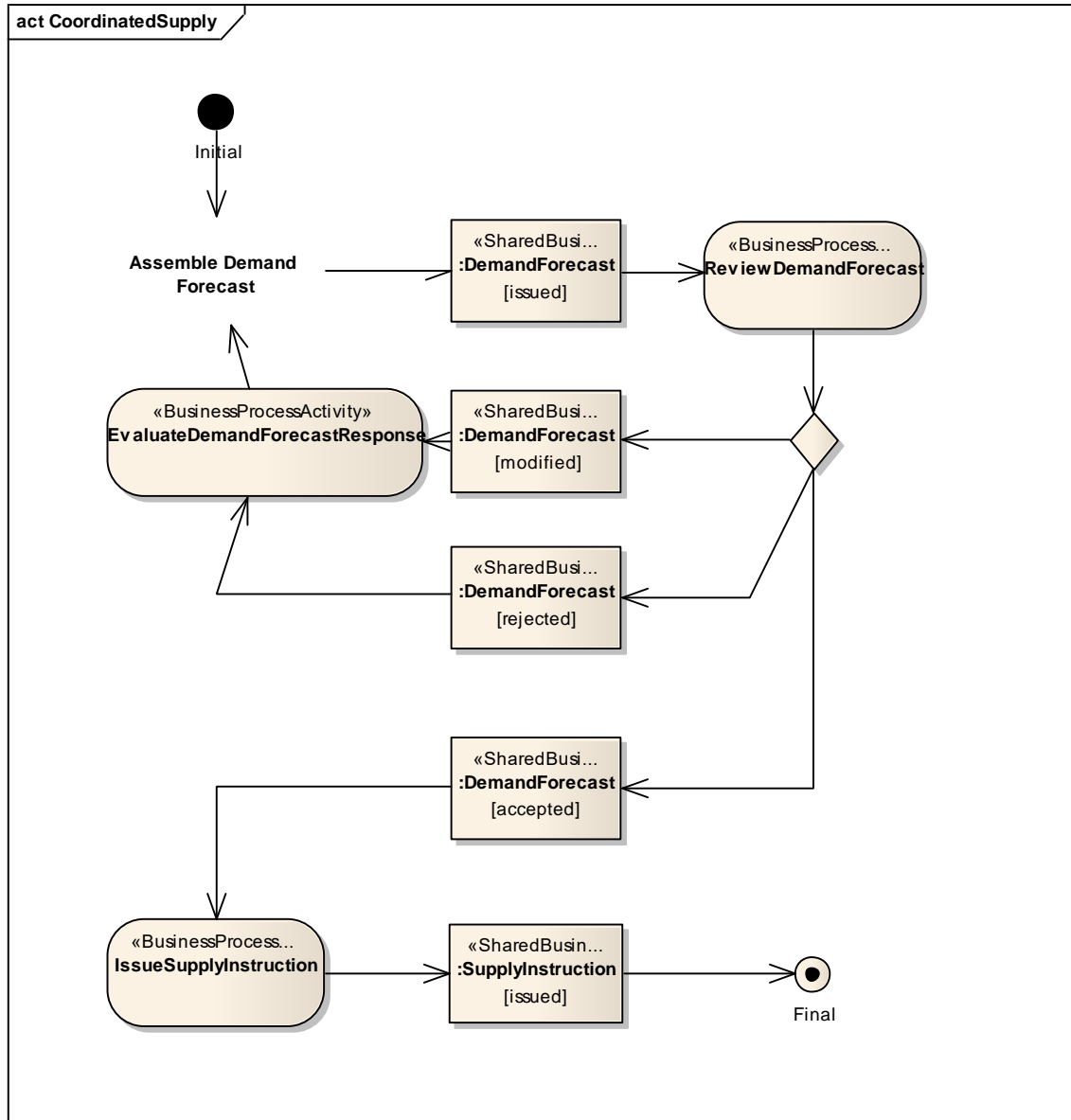**:SupplyInstruction**
[issued]

Final

Figure 5-5 Business Process Activity Diagram
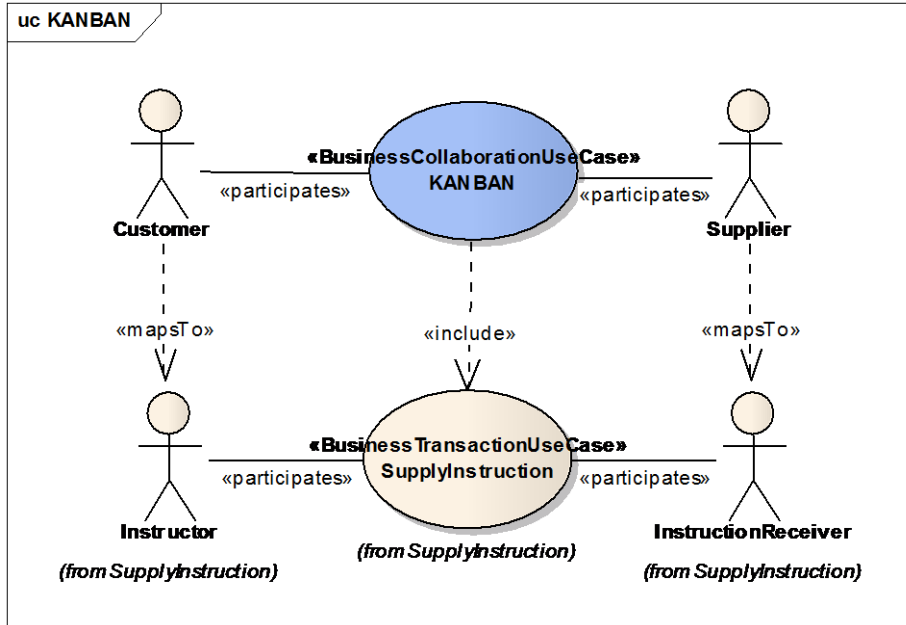
Figure 5-6 Business Collaboration Use Case Diagram
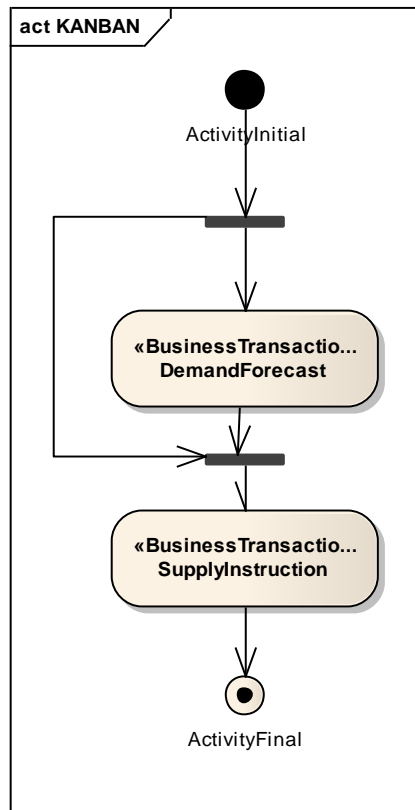
Figure 5-7 Business Collaboration Protocol - Activity Diagram

5.1.1.3. Synchronized scenario

In this scenario, the Demand Forecast is always used because the supplier needs visibility on the forecast to be able to have the goods available for despatch or stockage. It applies, for example, to goods that are too volatile / voluminous / complex / product specific to have in stock or have a long lead time to order.

This scenario is used to replenish a particular part at the right time to a specific product being produced in production line.

The needs come from the Customer MRP system and are sent to the supplier with the Supply Instruction process.
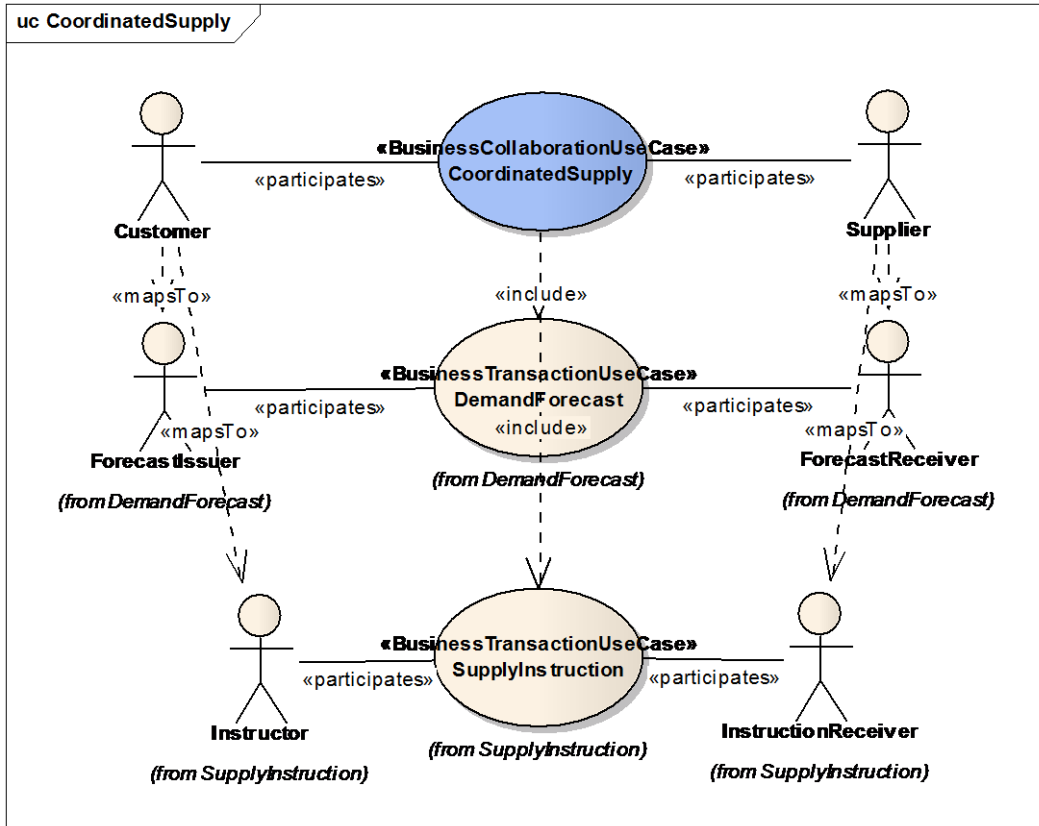

Figure 5-8 Business Process Activity Diagram
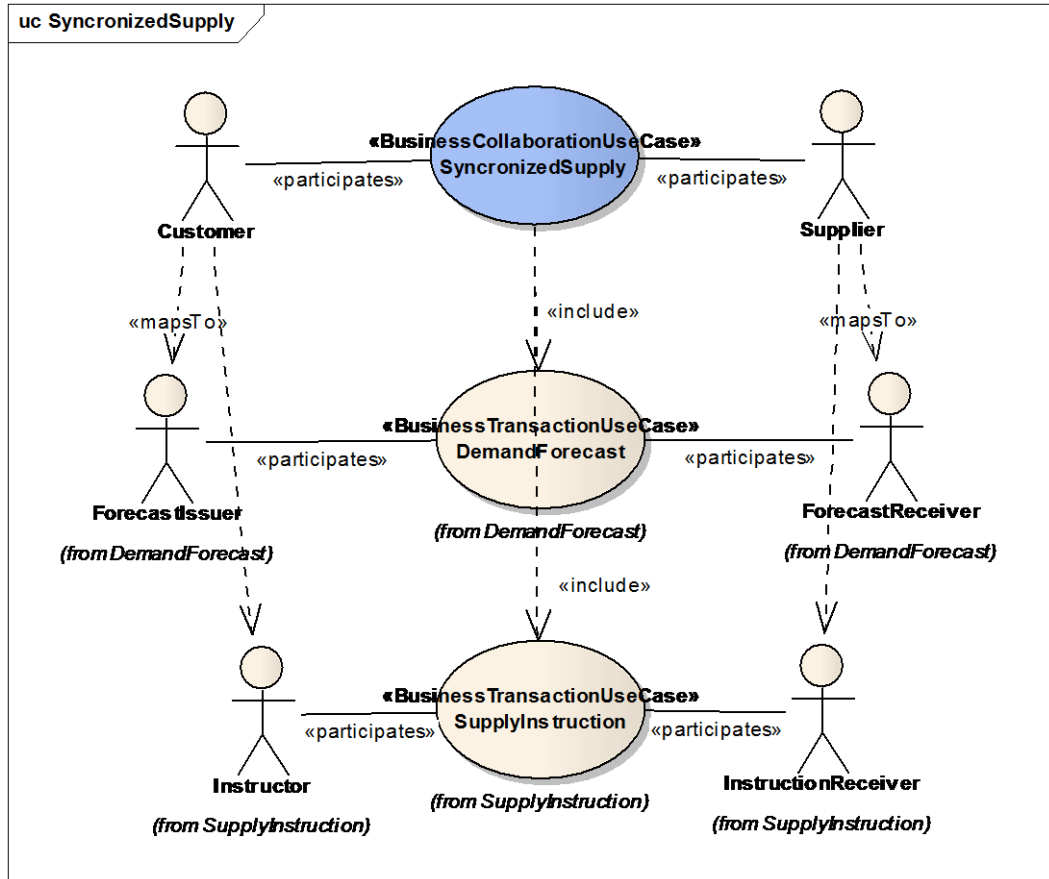
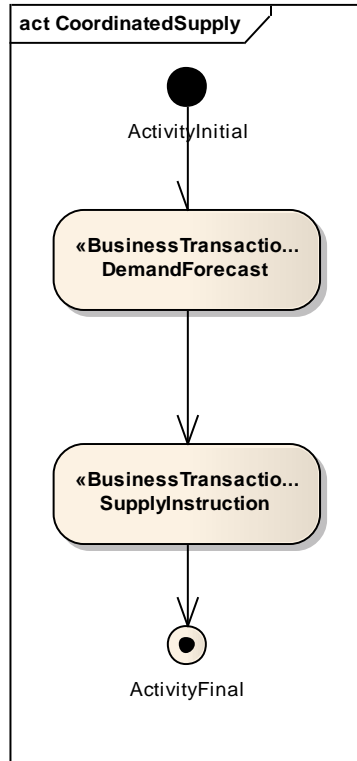**Figure 5-9** Business Collaboration Use Case Diagram
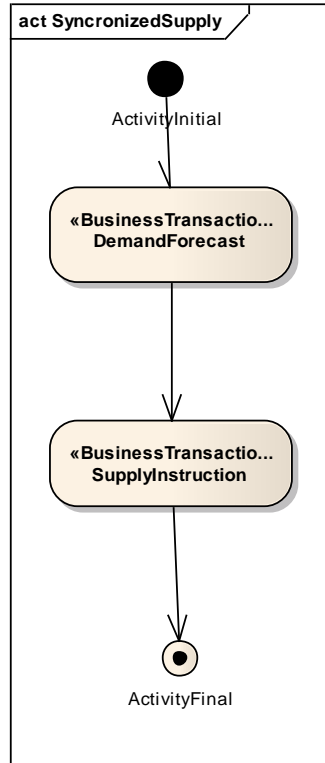
Figure 5-10 Business Collaboration Protocol - Activity Diagram

5.1.2. Supplier Controlled Supply

The Supplier controlled supply scheduling cycle is divided in three subprocesses:

1. - Demand Forecasting

This process is initiated by the Customer and covers the exchange of information for forecasted requirements and anticipated demand for products. In the Supplier controlled supply process forecasted requirements are usually not netted against Customer inventory levels. Accurate and timely demand plans are a vital component of an effective supply chain; inaccurate demand planning results in supply imbalances.

2. - Inventory Forecasting

This process is initiated by the Customer and covers the exchange of information for forecasted inventory. The supplier use the inventory forecast to plan his future deliveries.

3. - Supply Notification

This process is initiated by the Supplier and covers the exchange of information for delivery plans and stock computations. This process is used to compute inventory total stockage requirements since materials may already be in process in the logistics pipeline.

4. – Consumption Report

This process is initiated by the Customer and covers the exchange of information related to the consumption. This process is used by the supplier to build its invoice and to compute the Inventory Forecast based on the latest stock level.

Note: Supplier controlled supply can be used regardless of whether the inventory is under the ownership of the Customer or of the Supplier (consignment stock).

5.1.2.1. VMI Scenario and Consigned VMI Scenario

Vendor Managed Inventory (VMI) is a concept and process based upon a tight collaboration between Customer and Supplier whereby the Supplier (rather than the Customer) manages the inventory needed for the Customers manufacturing or trading process.

It requires the Supplier to maintain the inventories within predefined and mutually agreed min / max-ranges of inventory levels. The supplier is responsible to manage the inventory with the help of the inventory forecast. The Supplier is free (according to the agreement) to deliver any quantity at any time within these indicated ranges. These ranges may be updated within the VMI process, within limits defined in the contract between Customer and Supplier.

2 options are possible:

- VMI scenario : the inventory is under the ownership of the Customer

- Consigned VMI scenario : the inventory is under the ownership of the Supplier

Note: The Consumption Report will be used in Consigned VMI scenario

Note: In Consigned VMI scenario, even if the inventory is under the ownership of the Supplier, a Despatch Advice and a Receive Advice will be used as the supplier will not be able to delegate people in the Customer warehouse.
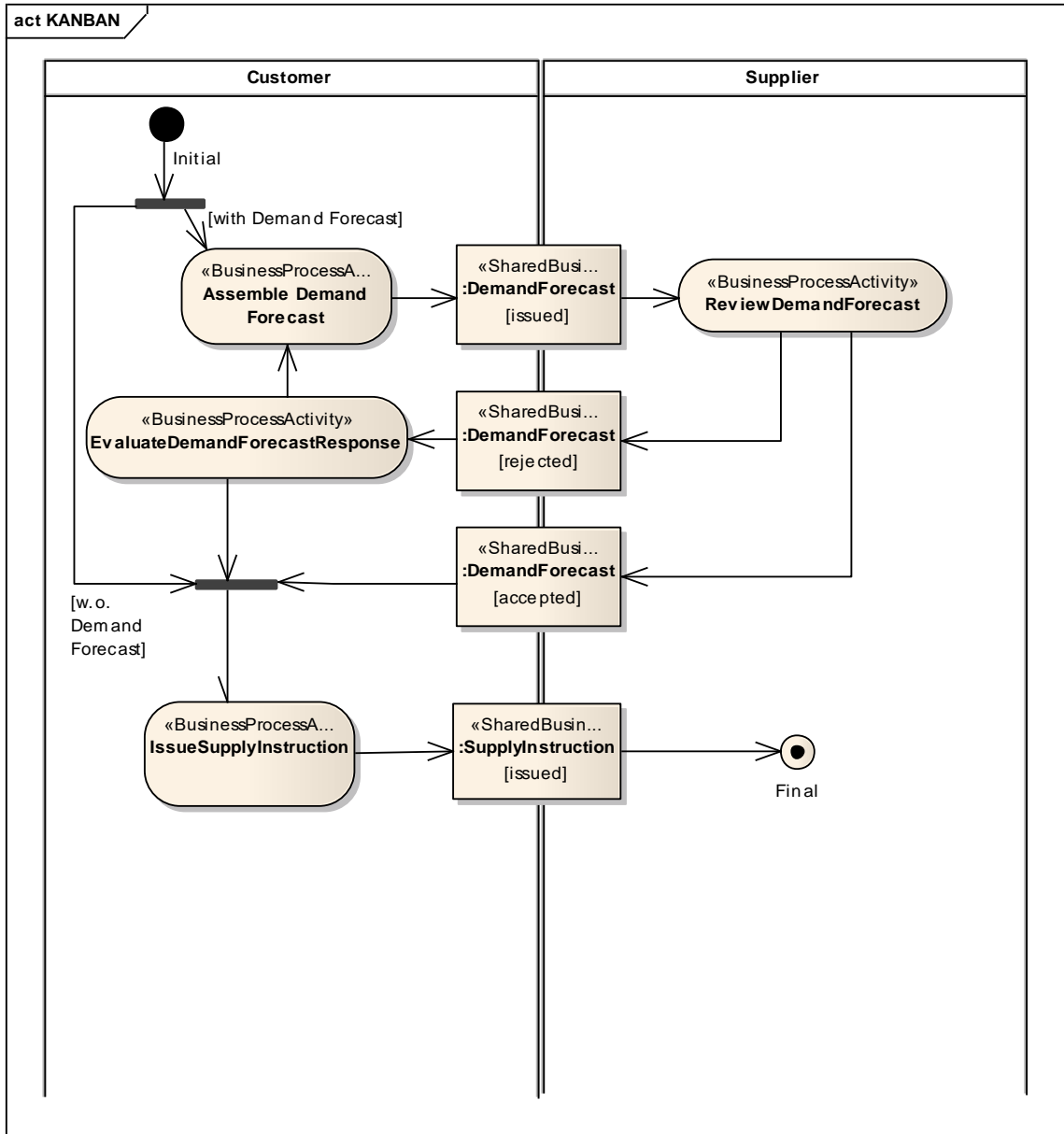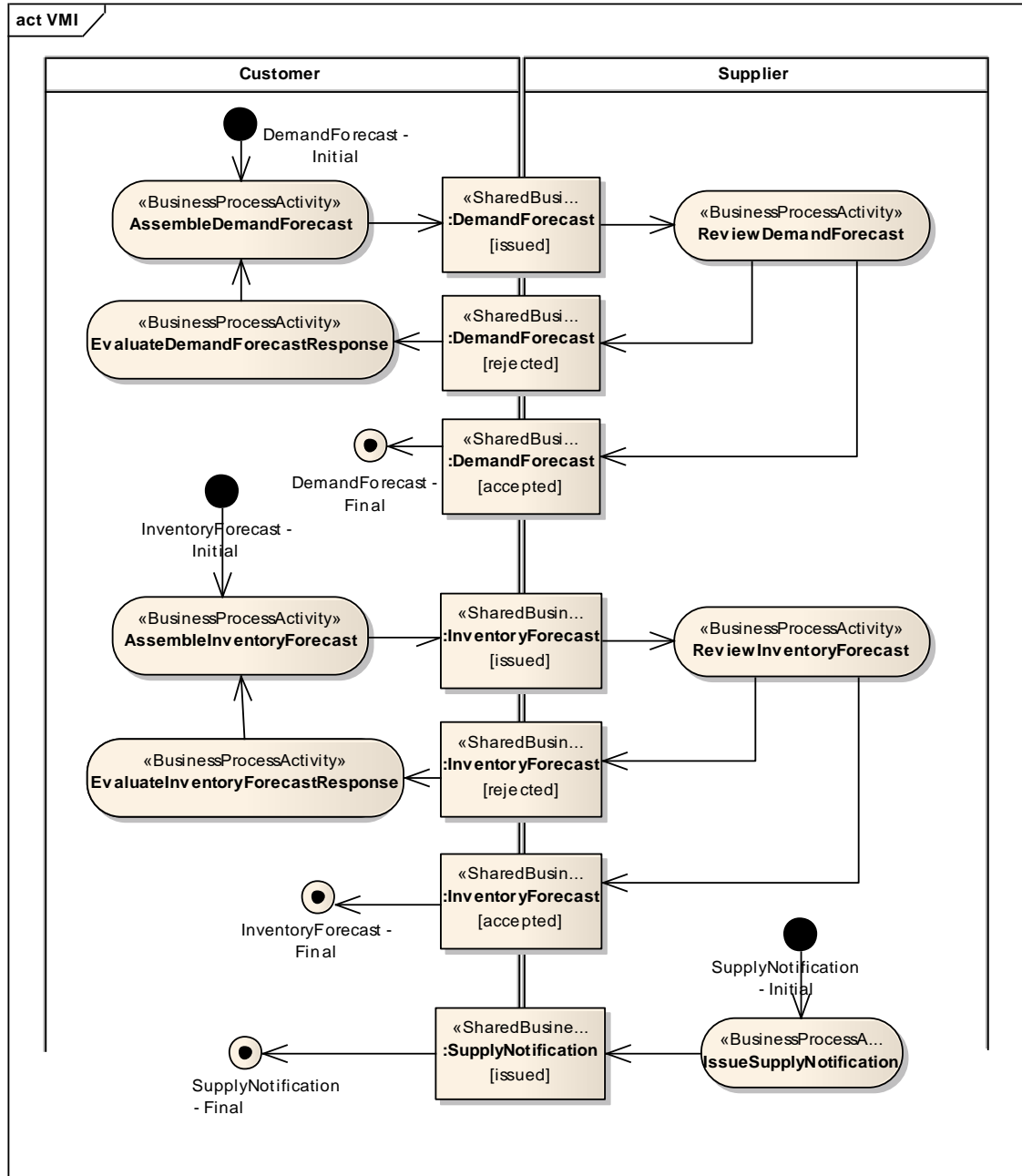
Figure 5-11 Business Process Activity Diagram
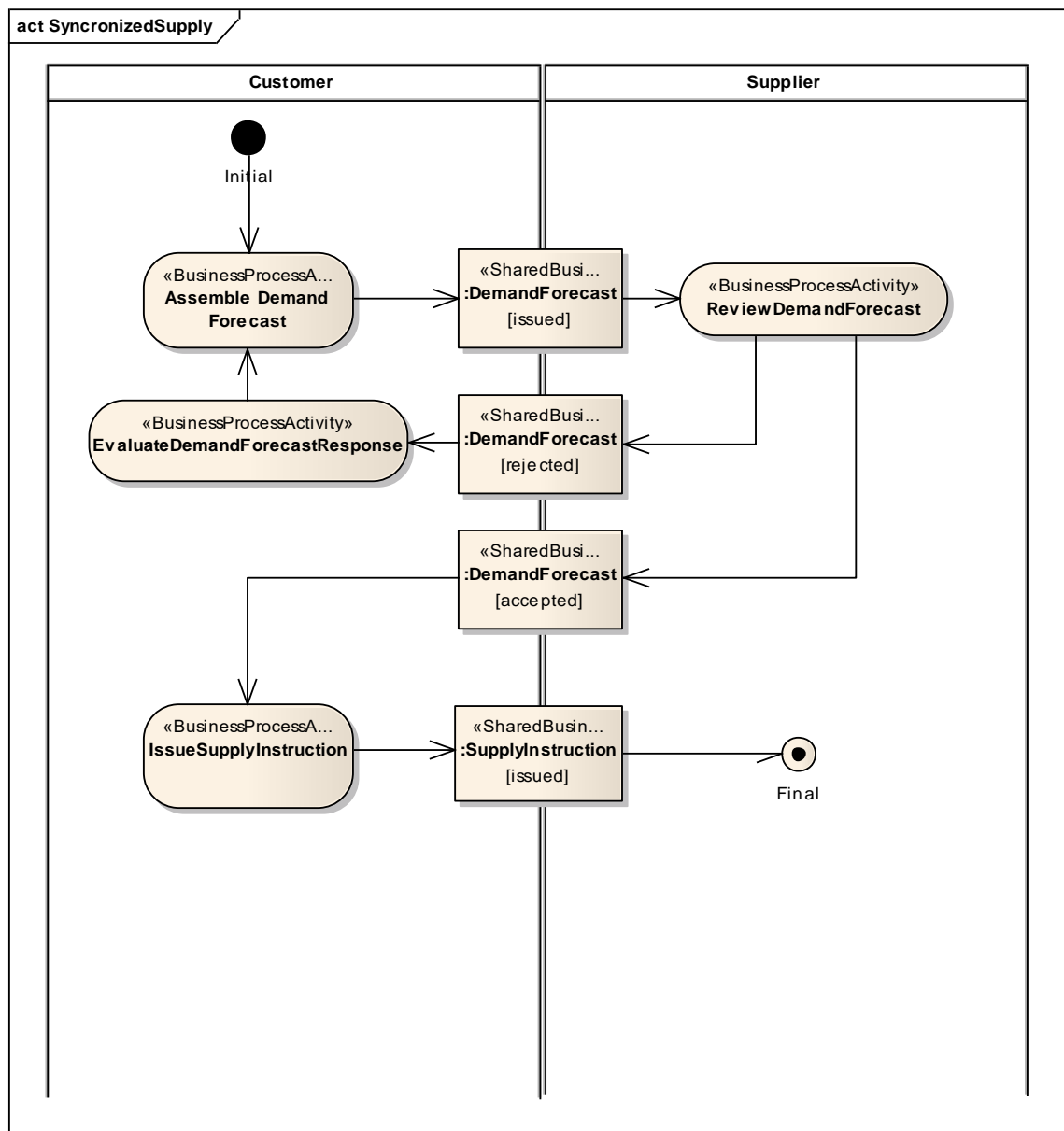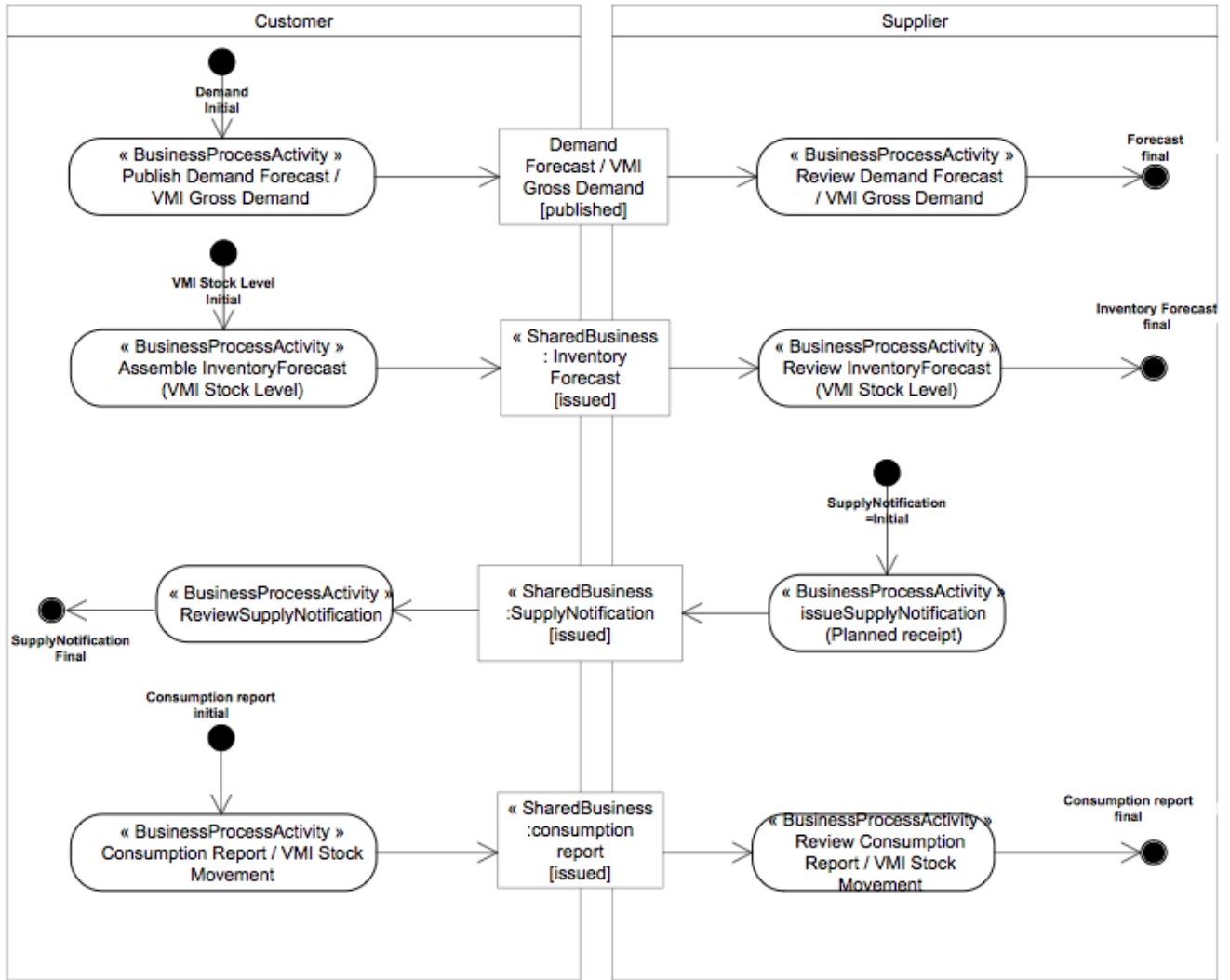
Figure 5-12 Business Collaboration Use Case Diagram
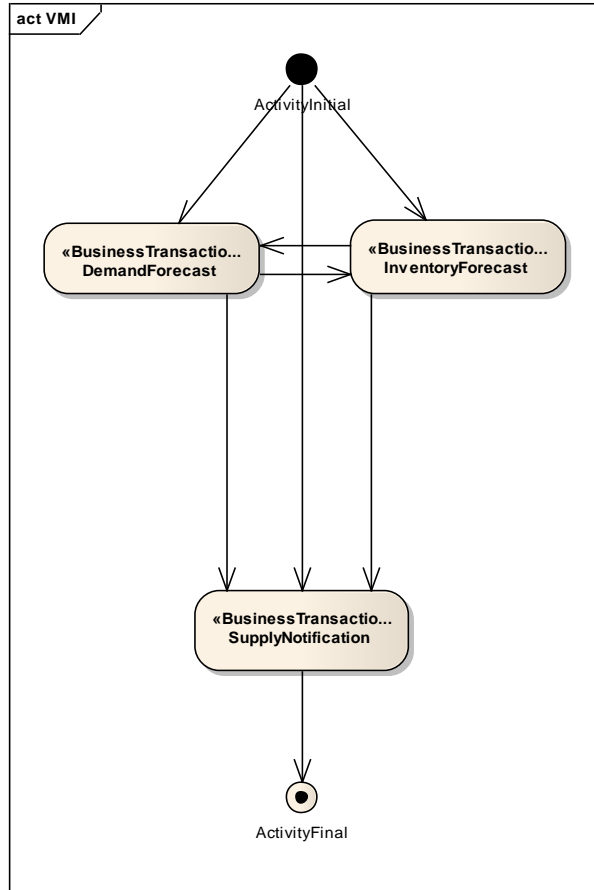
Figure 5-13 Business Collaboration Protocol - Activity Diagram

5.2. Information Flow Definition

5.2.1. Demand Forecast (Business Transaction)

The Demand Forecast transaction is used by the Customer to provide forecasts of demand and in some cases short term firm requirements to the Supplier. The Demand Forecasting process allows both Customer and Supplier to optimize their respective production activities and associated resources. A Demand Forecast is usually issued at pre-agreed frequencies (e.g. monthly, weekly) and may cover multiple time periods of variable length (e.g. day, week, month, quarter, six months, a year). Accurate and timely demand plans are a vital component of an effective supply chain; inaccurate demand planning results in supply imbalances. The Demand Forecast is intended to:

- Forecast future requirements,
- Provide the level of commitment needed to manufacture the goods or to buy the raw material needed for the manufacturing,
- Possibly define short term firm requirements,
- Provide the information that guarantees synchronization between the Customer and the Supplier.
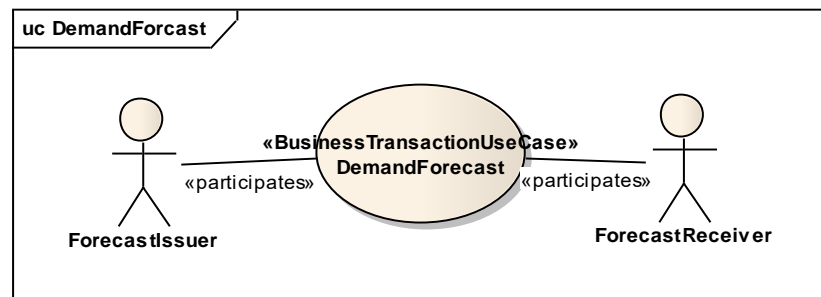
Figure 5-14 Business Transaction Use Case Diagram

Table 5-1 Business Transaction Use Case Description

Identifier	Demand Forecast
Business Message Type	Demand Forecast / Demand Forecast Response
Description	The Customer recognises a need to provide the Demand Forecast specifying the forecast requirements (quantities and times) with different horizons indicating various levels of commitment. The Supplier receives the Demand Forecast and if agreed between the parties he shall respond to the Customer.
Partner Types	Customer, Supplier
Authorized Roles	Forecast Issuer, Forecast Receiver
Legal Implications	
Initial/Terminal Events	

Scope	
Boundary	
Constraints	

Figure 5-15 Business Transaction Activity Diagram

Principles

Depending on the validity period in the message, the information provided in the Demand Forecast can replace partly or completely the information provided in a previous Demand Forecast.

Depending on the agreement between the Customer and the Supplier, the Supplier can have the obligation to respond to a Demand Forecast with the Demand Forecast Response either in all cases, or only in the case of non-acceptance.

Note: Guidance for the understanding of the Demand Forecast (such as commitment levels and the interaction between successive Demand Forecasts) must be provided by the Customer to the Supplier.

5.2.2. Supply Instruction (Business Transaction)

The supply instruction transaction is used by the Customer to provide short-term delivery instructions to the Supplier, and is usually used in conjunction with the Demand Forecast. The information provided in the Demand Forecast is in most cases generated by the production planning system of the Customer taking into account his own forecast information. Based on his actual short-term production needs, the Customer will subsequently generate Supply Instruction messages on a more frequent basis.

The Supply Instruction message is intended to:

- specify the goods to be delivered
- specify the exact delivery dates/times
- specify the exact quantities
- provide delivery details, transport information and packaging requirements.
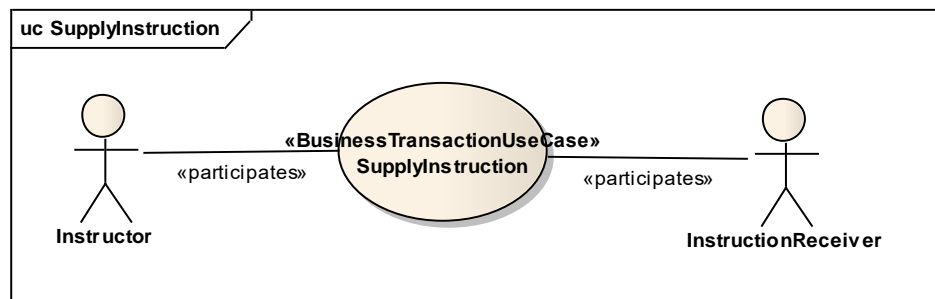
Figure 5-16 Business Transaction Use Case Diagram

Table 5-2 Business Transaction Use Case Description

Identifier	Supply Instruction
Business Message Type	Supply Instruction
Description	The Customer sends the supply instruction information specifying the delivery times, quantities to be delivered, delivery details, transport information and packaging requirements. The Supplier receives and processes the supply instruction message.
Partner Types	Customer, Supplier
Authorized Roles	Instructor, Instruction Receiver
Legal Implications	The Customer shall have full traceability of the Supply Instruction message to make sure it has been received. Failing this technical acknowledgement, the Customer shall re-issue the Supply Instruction message
Initial/Terminal Events	
Scope	
Boundary	
Constraints	If the Supplier cannot meet the requirements, the issue should be resolved outside the scope of this process.
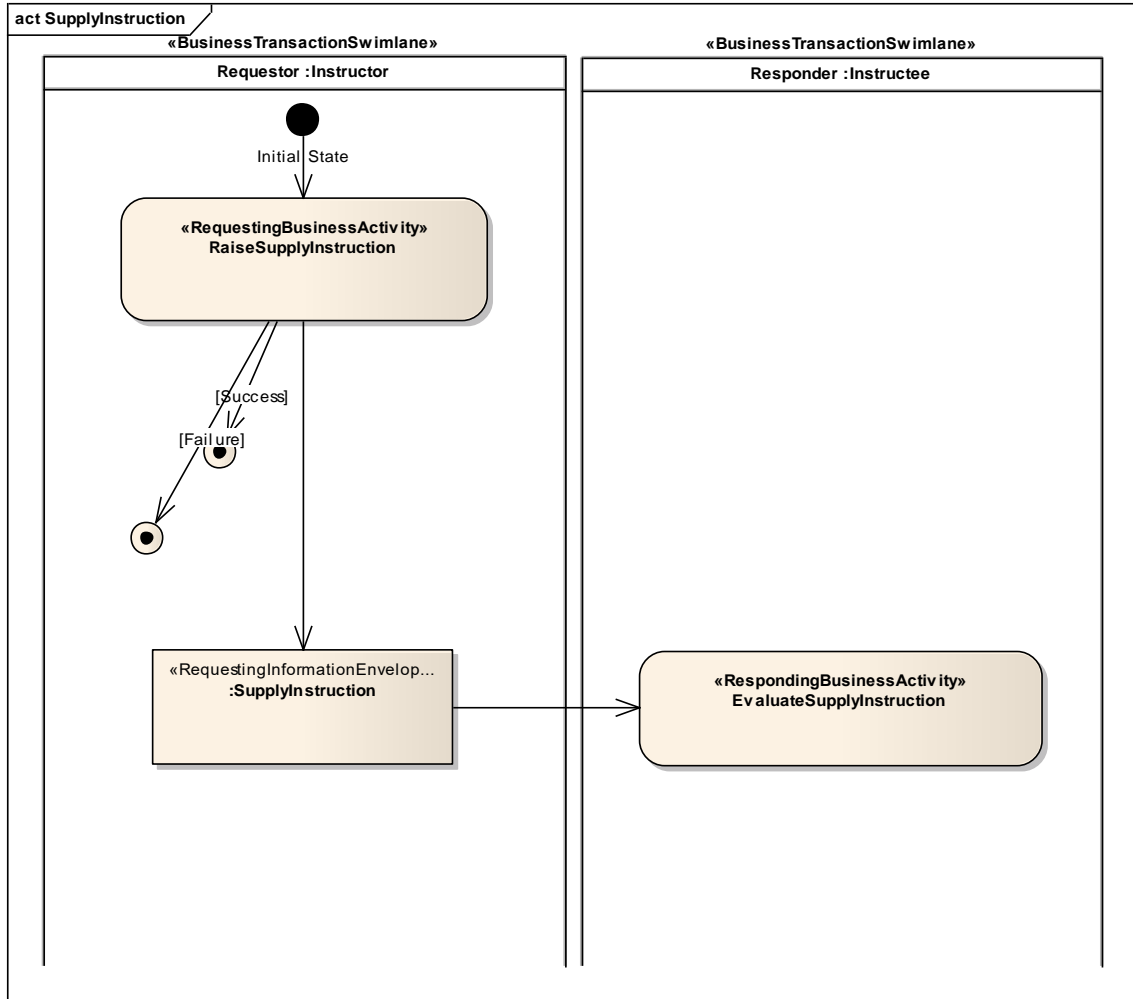
Figure 5-17 Business Transaction Activity Diagram

5.2.3. Supply Notification (Business Transaction)

The supply notification process is used by the Supplier to provide a short-term delivery plan to the Customer.

The Supply Notification message is intended to:

- specify the goods to be delivered
- specify the delivery times
- specify the exact quantities to be delivered
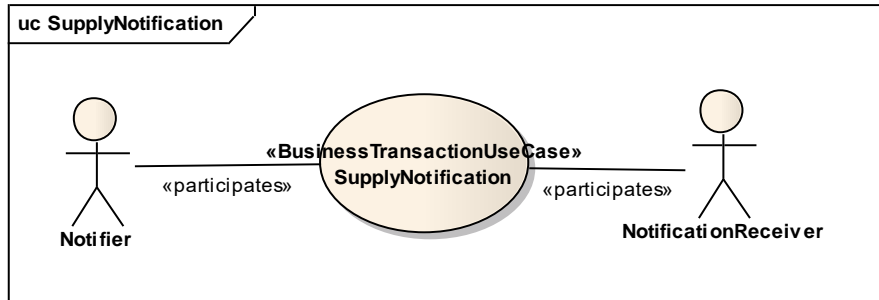
Figure 5-18 Business Transaction Use Case Diagram

Table 5-3 Business Transaction Use Case Description

Identifier	Supply Notification
Business Message Type	Supply Notification
Description	The Supplier sends the supply information specifying the delivery times and quantities to be delivered. The Customer receives and processes the Supply Notification message.
Partner Types	Customer, Supplier
Authorized Roles	Notifier, Notification Receiver
Legal Implications	
Initial/Terminal Events	
Scope	If the Customer cannot receive the notified supply, the issue should be resolved outside the scope of this process.
Boundary	
Constraints	The Supplier shall have full traceability of his Supply Notification message to make sure it has been received. Failing this technical acknowledgement, the Supplier shall re-issue his Supply Notification message
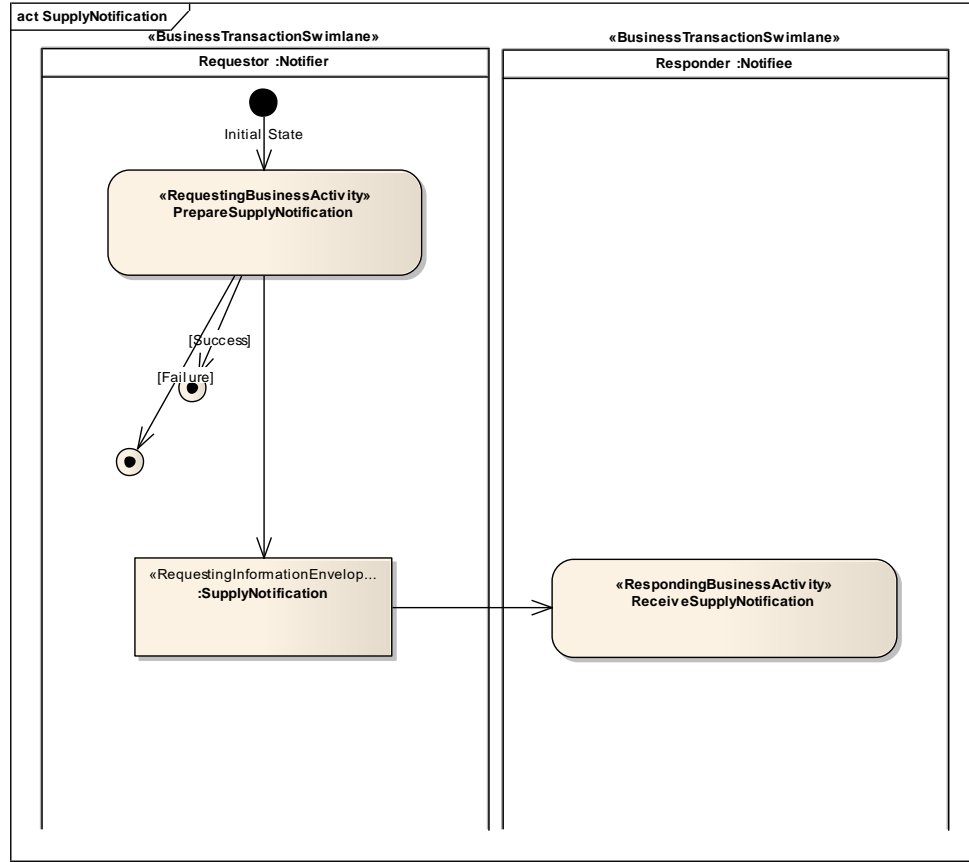
Figure 5-19 Business Transaction Activity Diagram

5.2.4. Inventory Forecast (Business Transaction)
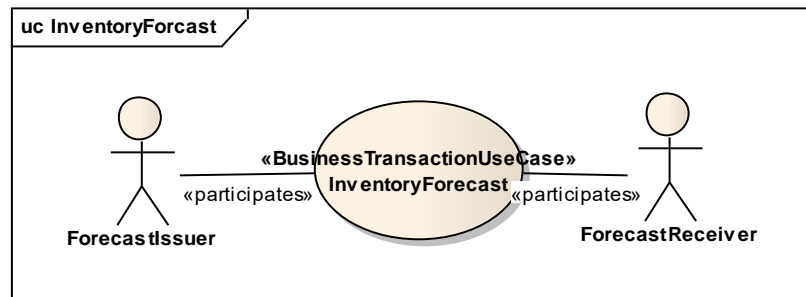
Figure 5-20 Business Transaction Use Case Diagram

Table 5-4 Business Transaction Use Case Description

Identifier	Inventory Forecast

Business Message Type	Inventory Forecast
Description	The Customer recognises a need to provide the Inventory Forecast specifying the short term inventory forecasting, (quantities and times) and actual inventory levels. The Supplier receives the Inventory Forecast.
Partner Types	Customer, Supplier
Authorized Roles	Forecast Issuer, Forecast Receiver
Legal Implications	
Initial/Terminal Events	
Scope	Customer's purchase orders/contracts have been placed/agreed with the Supplier. Both parties have agreed to exchange the inventory forecasting. If relevant both parties have agreed on the conditions specified in a delivery or logistics agreement.
Boundary	
Constraints	The Customer shall have full traceability of his Inventory Forecast message to make sure it has been received. Failing this technical acknowledgement, the Customer shall re-issue his Inventory Forecast message.
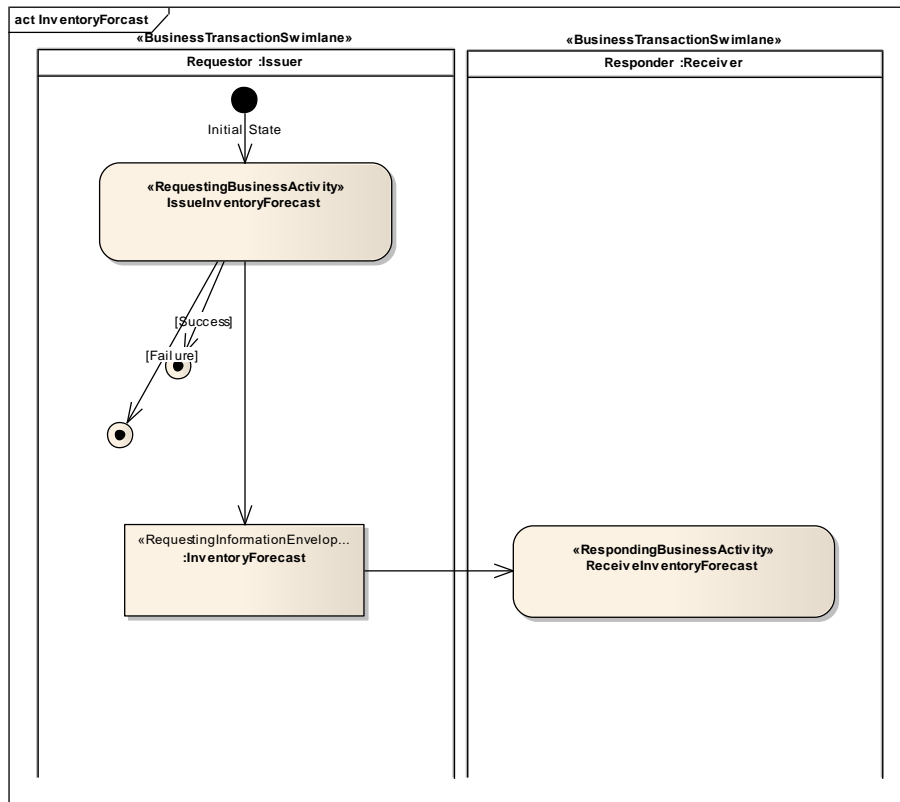
Figure 5-21 Business Transaction Activity Diagram

Principles

Depending on the validity period in the message, the information provided in the Inventory Forecast can replace partly or completely the information provided in a previous Inventory Forecast.

Remark :

Guidance for the understanding of the Inventory Forecast (such as the interaction between successive Inventory Forecasts) must be provided by the Customer to the Supplier.

5.2.5.   Consumption Report
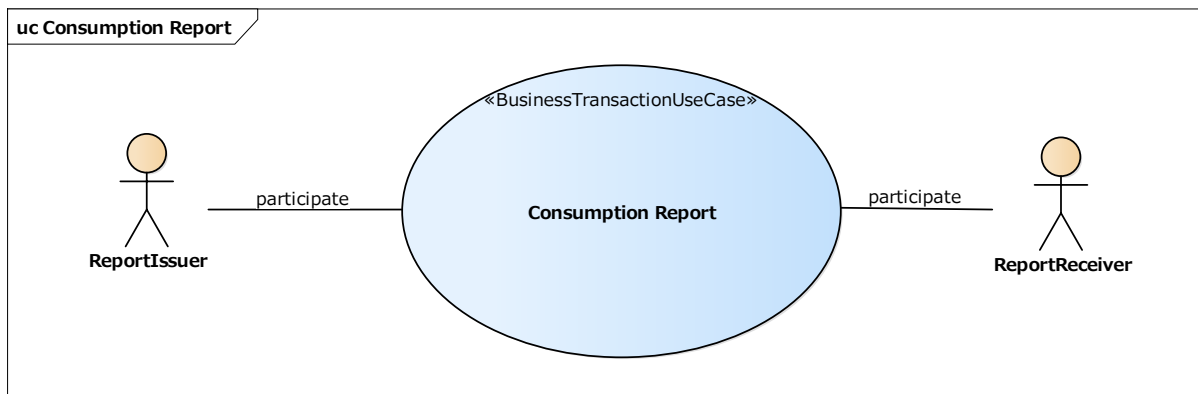
Figure 5-22 Business Transaction Use Case Diagram

Table 5-5 Business Transaction Use Case Description

Identifier	Consumption Report
Business Message Type	Consumption Report
Description	The Customer recognises a need to provide the Consumption Report specifying its Consumption, (quantities and times). The Supplier receives the Consumption Report.
Partner Types	Customer, Supplier
Authorized Roles	Forecast Issuer, Forecast Receiver
Legal Implications	
Initial/Terminal Events	
Scope	Customer's purchase orders/contracts have been placed/agreed with the Supplier. Both parties have agreed to exchange the Consumption Reporting.
Boundary	

Constraints	The Customer shall have full traceability of his Consumption Report message to make sure it has been received.
	Failing this technical acknowledgement, the Customer shall re-issue his Consumption Report message.
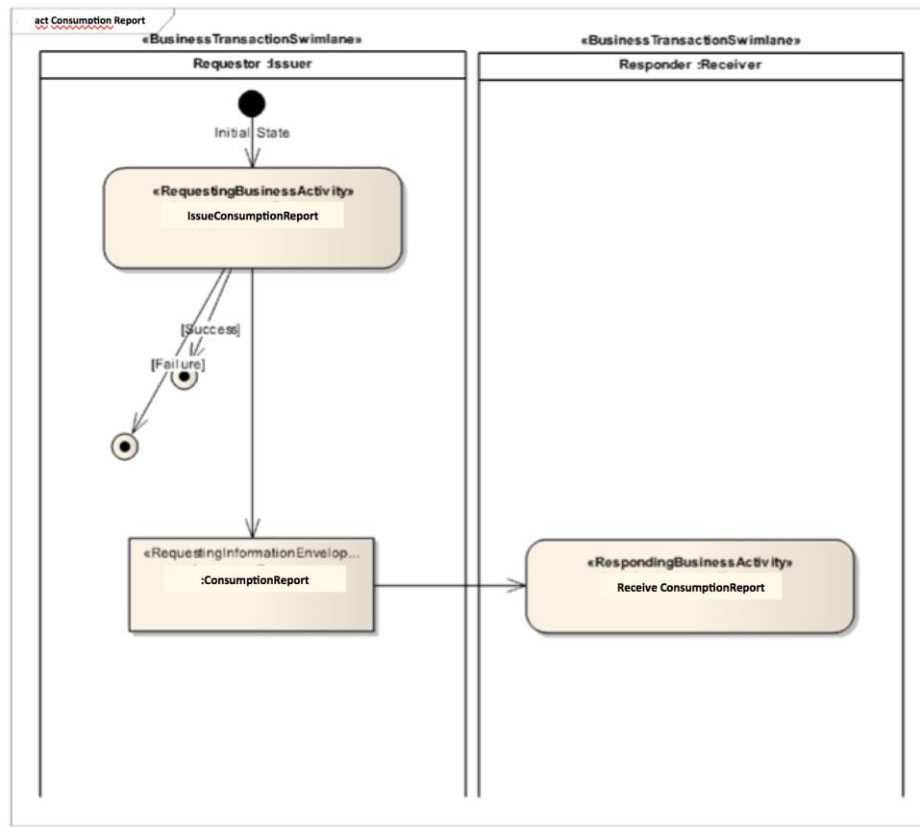
Figure 5-23 Business Transaction Activity Diagram

Principles

The invoice (or self billing invoice) will be based on the information provided in the Consumption Report when Consigned VMI is used between customer and supplier.

Remark :

Guidance for the understanding of the Consumption Report (such as the interaction between successive Consumption Reports) must be provided by the Customer to the Supplier.

5.3. Information Model Definition

5.3.1. Demand Forecast (DFO)

Table 5-6 Business Requirements List

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
SCH	BRS			
DFO	Demand Forecast			
	(HEADER LEVEL) Forecast Message			
0001	0..1	**Exchanged Document**	A group of trade line items, trade agreement, trade delivery and trade settlement details.	(Association to Common Package)
0002	0..1	**Trade Transaction**	A collection of data for a piece of written, printed or electronic matter that provides information or evidence.	(Association to)
	(Document) Exchanged Document			
0101	1	Document Information	Document ID, Issue Date Time, Document Name, Universally Unique Identifier, Revision Date, Revision Time, Index ID, Previous, Index ID, Validity Period, Copy Indicator, Note, Document Status Code, Document Language, Line Count Numeric, attachment, checksum, Control Requirement, Processing Type, Purpose	(BoostAero) See TRD-DOC-Doc
0102	0..1	Last change date	The last date on which Demand Forecast was sent.	Candidate for TRD-DOC
0103	0..*	Line count	The total number of lines in the document.	
0104	0..*	Note	Information directly relating to the identification of a note.	Note. Details CC in CCL07A
	Trade Transaction			
0201	0..1	Acknowledgment response code	Specifies the type of Response that the Buyer requires from the Seller.	"UN/EDIFACT EDED D.04B - 1229 - Action request/notification description code"
0202	0..1	Type	The code specifying the type of trade transaction.	

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0203	0..1	Urgency Status	The code specifying the status of Urgency.	
0204	0..1	**Trade Agreement**	Trade agreement details applicable to this trade transaction.	(Association to)
0205	0..*	**Trade Line Item**	A trade line item included in this trade transaction.	(Association to)
		Trade Agreement		
0301	0..1	Charge Free	The indication of whether or not the product is free of charge.	
0302	0..*	Customer Reference	A supplementary reference for the order expressed as text.	
0303	0..*	Reference	A reference expressed as text for this trade agreement.	
0304	0..1	**Buyer**	The entity contains the details of the buyer.	(BoostAero) (Associated to Common)
0305	0..1	**Customer End User**	The entity contains the details of the Customer.	(Associated to Common)
0306	0..1	**Seller**	The entity contains the details of the seller.	(BoostAero) (Associated to Common)
0307	0..*	**Additional Referenced**	An additional document referenced for the trade agreement. The unique identifier assigned to any additional document.	(BoostAero) See TRD-DOC-Doc (Associated to Common)
0308	0..*	**Contract Referenced**	A contract document referenced for the trade agreement. The unique identification assigned by the issuer to a commercial contract.	(BoostAero) See TRD-DOC-Doc (Associated to Common)
0309	0..1	**Quotation Referenced**	A quotation document referenced for this trade agreement.	(Associated to Common)
0310	0..1	**Demand Forecast Referenced**	The demand forecast document referenced for this trade agreement.	(Associated to Common)
0311	0..*	**Customer Order Referenced**	A customer order document referenced for this trade agreement.	(Associated to Common)

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0312	0..1	**Trade Delivery Terms**	The terms of delivery applicable to this trade agreement.	(Associated to Common)
0313	0..1	**Forecast**	A forecast specified for or in this trade agreement.	(Associated to Common)
		Trade Line Item		
0401	1..1	**Document Line Document**	The document details for the trade line item.	(Associated to Common)
0402	0..1	**Line Trade Agreement**	The trade agreement specified for the trade line item.	(Associated to Line Trade Agreement)
0403	0..1	**Line Trade Delivery**	The trade delivery specified for the trade line item.	(Associated to Line Trade Delivery)
0404	0..*	**Substituted Trade Product**	A product which is substituted for the trade line item.	(Associated to Common)
0405	0..1	**Trade Product**	The product details for the trade line item.	(Associated to Common)
		Line Trade Agreement		
0501	0..1	Charge Free	The indication of whether or not the product is free of charge.	
0502	0..*	Customer Reference	A supplementary reference for the order expressed as text.	
0503	0..*	Reference	A reference expressed as text for this trade agreement.	
0504	0..1	**Buyer**	The entity contains the details of the buyer.	(BoostAero) (Associated to Common)
0505	0..1	**Customer End User**	The entity contains the details of the Customer.	(Associated to Common)
0506	0..1	**Seller**	The entity contains the details of the seller.	(BoostAero) (Associated to Common)
0507	0..*	**Additional Referenced**	The unique identifier assigned to any additional document.	(BoostAero) See TRD-DOC-Doc (Associated to Common)
0508	0..*	**Contract Referenced**	The unique identification assigned by the issuer to a commercial contract.	(BoostAero) See TRD-DOC-Doc (Associated to Common)
0509	0..1	**Quotation Referenced**	A quotation document referenced for this trade agreement.	(Associated to Common)

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0510	0..1	**Demand Forecast Referenced**	The demand forecast document referenced for this trade agreement.	(Associated to Common)
0511	0..*	**Customer Order Referenced**	A customer order document referenced for this trade agreement.	(Associated to Common)
0512	0..1	**Trade Delivery Terms**	The terms of delivery applicable to this trade agreement.	(Associated to Common)
0514	0..1	**Forecast**	A forecast specified for or in this trade agreement.	(Associated to Common)
	Line Trade Delivery			
0601	0..1	Agreed	The quantity agreed for this trade delivery	
0602	0..1	Billed	The quantity billed for this trade delivery.	
0603	0..1	Despatched	The quantity despatched in this trade delivery.	
0604	0..1	Final Delivery	The indication of whether or not this trade delivery is the final delivery.	
0605	0..1	Free Goods	The quantity of free goods in this trade delivery.	
0606	0..1	Package	The measure of the net weight of this trade delivery.	
0607	0..1	Received Quantity Type	The code specifying the type of received quantity in this trade delivery.	
0608	0..1	Partial Delivery Allowed	The indication of whether or not this trade delivery can be partially delivered.	
0609	0..1	Received	The quantity received in this trade delivery.	
0610	0..1	Requested	The quantity requested for this trade delivery.	
0611	0..1	Theoretical Weight	The measure of the Theoretical weight of this trade delivery.	
0612	0..1	Total gross volume	The total gross volume.	

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0613	0..1	Total gross weight	The total gross weight.	
0614	0..1	Total net volume	The total net volume.	
0615	0..1	Total net weight	The total net weight.	
0616	0..1	Product Unit	The quantity of produt units in this trade delivery.	
0617	0..*	**Final destination**	A country of final destination of this trade delivery.	(Association to Common)
0618	0..1	**Delivery**	Instruction for delivery for this trade delivery.	(Association to Common)
0619	0..*	**Regulated Goods**	Regulated goods information for this trade delivery.	(Association to Common)
0620	0..*	**Trade Supply Plan**	A supply plan specified for this trade delivery.	(Association to Common)
0621	0..*	**Delivery Adjustment**	An adjustment specified for this trade delivery.	(Association to Common)
0622	0..1	**Ship To**	The entity contains the details of the ship to party.	(Association to Common)
0623	0..1	**Ship From**	The entity contains the details of the ship from party.	(Association to Common)
0624	0..*	**Additionnal Referenced**	A additional document referenced for this trade delivery.	(Association to Common)
0625	0..*	**Requested Despatch**	A requested despatch event for this trade delivery.	(Association to Common)
0626	0..1	**Planned Despatch**	A planned despatch event for this trade delivery.	(Association to Common)
0627	0..1	**Actual Despatch**	An actual despatch event for this trade delivery.	(Association to Common)
0628	0..1	**Planned Release**	A planned release event for of this trade delivery.	(Association to Common)
0629	0..1	**Actual Release**	An actual release event for of this trade delivery.	(Association to Common)
0630	0..1	**Actual Receipt**	An event of actual receipt of this trade delivery.	(Association to Common)
0631	0..1	**Requested Delivery**	An event of requested delivery of this trade delivery.	(Association to Common)

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0632	0..1	**Planned Delivery**	An event of planned delivery of this trade delivery.	(Association to Common)
0633	0..1	**Actual Delivery**	An event of actual delivery of this trade delivery.	(Association to Common)

5.3.2. Demand Forecast Response (DFR)

Table 5-7 Business Requirements List

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
SCH	**BRS**			
DFR	**Demand Forecast Response**			
	(HEADER LEVEL) Forecast Message Response			
0001	0..1	**Exchanged Document**	A group of trade line items, trade agreement, trade delivery and trade settlement details.	(Association to Common Package)
0002	0..1	**Trade Transaction**	A collection of data for a piece of written, printed or electronic matter that provides information or evidence.	(Association to)
	(Document) Exchanged Document			
0101	1	Document Information	Document ID, Issue Date Time, Document Name, Universally Unique Identifier, Revision Date, Revision Time, Index ID, Previous, Index ID, Validity Period, Copy Indicator, Note, Document Status Code, Document Language, Line Count Numeric, attachment, checksum, Control Requirement, Processing Type, Purpose	(BoostAero) See TRD-DOC-Doc
0102	0..1	Last change date	The last date on which Demand Forecast was sent.	Candidate for TRD-DOC
0103	0..*	Line count	The total number of lines in the document	
0104	0..*	Note	Information directly relating to the identification of a note.	Note. Details CC in CCL07A
	Trade Transaction			

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0201	0..1	Acknowledgment response code	Specifies the type of Response that the Buyer requires from the Seller.	"UN/EDIFACT EDED D.04B - 1229 - Action request/notification description code"
0202	0..1	Type	The code specifying the type of trade transaction.	
0203	0..1	Urgency Status	The code specifying the status of Urgency.	
0204	0..1	**Trade Agreement**	Trade agreement details applicable to this trade transaction.	(Association to)
0205	0..*	**Trade Line Item**	A trade line item included in this trade transaction.	(Association to)
	Trade Agreement			
0301	0..1	Charge Free	The indication of whether or not the product is free of charge.	
0302	0..*	Customer Reference	A supplementary reference for the order expressed as text.	
0303	0..*	Reference	A reference expressed as text for this trade agreement.	
0304	0..1	**Buyer**	The entity contains the details of the buyer.	(BoostAero) (Associated to Common)
0305	0..1	**Customer End User**	The entity contains the details of the Customer.	(Associated to Common)
0306	0..1	**Seller**	The entity contains the details of the seller.	(BoostAero) (Associated to Common)
0307	0..*	**Additional Referenced**	The unique identifier assigned to any additional document.	(BoostAero) See TRD-DOC-Doc (Associated to Common)
0308	0..*	**Contract Referenced**	The unique identification assigned by the issuer to a commercial contract.	(BoostAero) See TRD-DOC-Doc (Associated to Common)
0309	0..1	**Quotation Referenced**	A quotation document referenced for this trade agreement.	(Associated to Common)
0310	0..1	**Demand Forecast Referenced**	The demand forecast document referenced for this trade agreement.	(Associated to Common)
0311	0..*	**Customer Order Referenced**	A customer order document referenced for this trade agreement.	(Associated to Common)
0312	0..1	**Trade Delivery Terms**	The terms of delivery applicable to this trade agreement.	(Associated to Common)

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0313	0..1	**Forecast**	A forecast specified for or in this trade agreement.	(Associated to Common)
		Trade Line Item		
0401	1..1	**Document Line Document**	The document details for the trade line item.	(Associated to Common)
0402	0..1	**Line Trade Agreement**	The trade agreement specified for the trade line item.	(Associated to Line Trade Agreement)
0403	0..1	**Line Trade Delivery**	The trade delivery specified for the trade line item.	(Associated to Line Trade Delivery)
0404	0..*	**Substituted Trade Product**	A product which is substituted for the trade line item.	(Associated to Common)
0405	0..1	**Trade Product**	The product details for the trade line item.	(Associated to Common)
		Line Trade Agreement		
0501	0..1	Charge Free	The indication of whether or not the product is free of charge.	
0502	0..*	Customer Reference	A supplementary reference for the order expressed as text.	
0503	0..*	Reference	A reference expressed as text for this trade agreement.	
0504	0..1	**Buyer**	The entity contains the details of the buyer.	(BoostAero) (Associated to Common)
0505	0..1	**Customer End User**	The entity contains the details of the Customer.	(Associated to Common)
0506	0..1	**Seller**	The entity contains the details of the seller.	(BoostAero) (Associated to Common)
0507	0..*	**Additional Referenced**	A additional document referenced for the trade agreement. The unique identifier assigned to any additional document.	(BoostAero) See TRD-DOC-Doc (Associated to Common)
0508	0..*	**Contract Referenced**	A contract document referenced for the trade agreement. The unique identification assigned by the issuer to a commercial contract.	(BoostAero) See TRD-DOC-Doc (Associated to Common)
0509	0..1	**Quotation Referenced**	A quotation document referenced for this trade agreement.	(Associated to Common)
0510	0..1	**Demand Forecast Referenced**	The demand forecast document referenced for this trade agreement.	(Associated to Common)

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0511	0..*	**Customer Order Referenced**	A customer order document referenced for this trade agreement.	(Associated to Common)
0512	0..1	**Trade Delivery Terms**	The terms of delivery applicable to this trade agreement.	(Associated to Common)
0514	0..1	**Forecast**	A forecast specified for or in this trade agreement.	(Associated to Common)
		Line Trade Delivery		
0601	0..1	Agreed	The quantity agreed for this trade delivery	
0602	0..1	Billed	The quantity billed for this trade delivery.	
0603	0..1	Despatched	The quantity despatched in this trade delivery.	
0604	0..1	Final Delivery	The indication of whether or not this trade delivery is the final delivery.	
0605	0..1	Free Goods	The quantity of free goods in this trade delivery.	
0606	0..1	Package	The measure of the net weight of this trade delivery.	
0607	0..1	Received Quantity Type	The code specifying the type of received quantity in this trade delivery.	
0608	0..1	Partial Delivery Allowed	The indication of whether or not this trade delivery can be partially delivered.	
0609	0..1	Received	The quantity received in this trade delivery.	
0610	0..1	Requested	The quantity requested for this trade delivery.	
0611	0..1	Theoretical Weight	The measure of the Theoretical weight of this trade delivery.	
0612	0..1	Total gross volume	The total gross volume.	
0613	0..1	Total gross weight	The total gross weight.	
0614	0..1	Total net volume	The total net volume.	
0615	0..1	Total net weight	The total net weight.	
0616	0..1	Product Unit	The quantity of produt units in this trade delivery.	
0617	0..*	**Final destination**	A country of final destination of this trade delivery.	(Association to Common)

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0618	0..1	**Delivery**	Instruction for delivery for this trade delivery.	(Association to Common)
0619	0..*	**Regulated Goods**	Regulated goods information for this trade delivery.	(Association to Common)
0620	0..*	**Trade Supply Plan**	A supply plan specified for this trade delivery.	(Association to Common)
0621	0..*	**Delivery Adjustment**	An adjustment specified for this trade delivery	(Association to Common)
0622	0..1	**Ship To**	The entity contains the details of the ship to party.	(Association to Common)
0623	0..1	**Ship From**	The entity contains the details of the ship from party.	(Association to Common)
0624	0..*	**Additionnal Referenced**	An additional document referenced for this trade delivery.	(Association to Common)
0625	0..*	**Requested Despatch**	A requested despatch event for this trade delivery.	(Association to Common)
0626	0..1	**Planned Despatch**	A planned despatch event for this trade delivery.	(Association to Common)
0627	0..1	**Actual Despatch**	An actual despatch event for this trade delivery.	(Association to Common)
0628	0..1	**Planned Release**	A planned release event for of this trade delivery.	(Association to Common)
0629	0..1	**Actual Release**	An actual release event for of this trade delivery.	(Association to Common)
0630	0..1	**Actual Receipt**	An event of actual receipt of this trade delivery.	(Association to Common)
0631	0..1	**Requested Delivery**	An event of requested delivery of this trade delivery.	(Association to Common)
0632	0..1	**Planned Delivery**	An event of planned delivery of this trade delivery.	(Association to Common)
0633	0..1	**Actual Delivery**	An event of actual delivery of this trade delivery.	(Association to Common)
0634	0..1	**Consignment**	A consignment for this trade delivery. The transport movement is specified for this consignment.	
0635	0..1	**Referenced Logistics Package**	A logistics package referenced for this trade delivery	

5.3.3. Inventory Forecast (IFO)

Table 5-3 Business Requirements List

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
SCH	**BRS**			
IFO	**Inventory Forecast**			
	(HEADER LEVEL) Forecast Message			
0001	0..1	**Exchanged Document**	A group of trade line items, trade agreement, trade delivery and trade settlement details.	(Association to Common Package)
0002	0..1	**Trade Transaction**	A collection of data for a piece of written, printed or electronic matter that provides information or evidence.	(Association to)
	(Document) Exchanged Document			
0101	1	Document Information	Document ID, Issue Date Time, Document Name, Universally Unique Identifier, Revision Date, Revision Time, Index ID, Previous, Index ID, Validity Period, Copy Indicator, Note, Document Status Code, Document Language, Line Count Numeric, attachment, checksum, Control Requirement, Processing Type, Purpose	(BoostAero) See TRD-DOC-Doc
0102	0..1	Last change date	The last date on which Demand Forecast was sent.	Candidate for TRD-DOC
0103	0..*	Line count	The total number of lines in the document.	
0104	0..*	Note	Information directly relating to the identification of a note.	Note. Details CC in CCL07A
	Trade Transaction			
0201	0..1	Acknowledgment response code	Specifies the type of Response that the Buyer requires from the Seller.	"UN/EDIFACT EDED D.04B - 1229 - Action request/notification description code"
0202	0..1	Type	The code specifying the type of trade transaction.	
0203	0..1	Urgency Status	The code specifying the status of Urgency.	
0204	0..1	**Trade Agreement**	Trade agreement details applicable to this trade transaction such as payment or delivery terms.	(Association to)
0205	0..*	**Trade Line Item**	A trade line item included in this trade transaction.	(Association to)

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
		Trade Agreement		
0301	0..1	Charge Free	The indication of whether or not the product is free of charge.	
0302	0..*	Customer Reference	A supplementary reference for the order expressed as text.	
0304	0..*	Reference	A reference expressed as text for this trade agreement.	
0305	0..1	**Buyer**	The entity contains the details of the buyer.	(BoostAero) (Associated to Common)
0306	0..1	**Customer End User**	The entity contains the details of the Customer.	(Associated to Common)
0307	0..1	**Seller**	The entity contains the details of the seller.	(BoostAero) (Associated to Common)
0308	0..*	**Additional Referenced**	An additional document referenced for the The trade line item. The unique identifier assigned to any additional document.	(BoostAero) See TRD-DOC-Doc (Associated to Common)
0309	0..*	**Contract Referenced**	A contract document referenced for the trade line item. The unique identification assigned by the issuer to a commercial contract.	(BoostAero) See TRD-DOC-Doc (Associated to Common)
0310	0..1	**Demand Forecast Referenced**	The demand forecast document referenced for this trade agreement.	(Associated to Common)
0311	0..1	**Trade Delivery Terms**	The terms of delivery applicable to this trade agreement.	(Associated to Common)
0312	0..1	**Forecast**	A forecast specified for or in this trade agreement.	(Associated to Common)
		Trade Line Item		
0401	1..1	**Document Line Document**	The document details for the trade line item	(Associated to Common)
0402	0..1	**Line Trade Agreement**	The trade agreement specified for the trade line item.	(Associated to Line Trade Agreement)
0403	0..1	**Line Trade Delivery**	The trade delivery specified for the trade line item.	(Associated to Line Trade Delivery)
0404	0..*	**Substituted Trade Product**	A product which is substituted for the trade line item.	(Associated to Common)

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0405	0..1	**Trade Product**	The product details for the trade line item.	(Associated to Common)
		Line Trade Agreement		
0501	0..1	Charge Free	The indication of whether or not the product is free of charge.	
0502	0..*	Customer Reference	A supplementary reference for the order expressed as text.	
0503	0..*	Reference	A reference expressed as text for this trade agreement.	
0504	0..1	**Buyer**	The entity contains the details of the buyer.	(BoostAero) (Associated to Common)
0505	0..1	**Customer End User**	The entity contains the details of the Customer.	(Associated to Common)
0506	0..1	**Seller**	The entity contains the details of the seller.	(BoostAero) (Associated to Common)
0507	0..*	**Additional Referenced**	An additional document referenced for the trade agreement. The unique identifier assigned to any additional document.	(BoostAero) See TRD-DOC-Doc (Associated to Common)
0508	0..*	**Contract Referenced**	The contract document referenced for the trade agreement. The unique identification assigned by the issuer to a commercial contract.	(BoostAero) See TRD-DOC-Doc (Associated to Common)
0509	0..1	**Demand Forecast Referenced**	The demand forecast document referenced for this trade agreement.	(Associated to Common)
0510	0..1	**Trade Delivery Terms**	The terms of delivery applicable to this trade agreement.	(Associated to Common)
0511	0..1	**Forecast**	A forecast specified for or in this trade agreement.	(Associated to Common)
		Line Trade Delivery		
0601	0..1	Received Quantity Type	The code specifying the type of received quantity in this trade delivery	
0602	0..1	Received	The quantity received in this trade delivery.	
0603	0..*	**Final destination**	A country of final destination of this trade delivery.	(Association to Common)
0604	0..1	**Delivery**	Instruction for delivery for this trade delivery.	(Association to Common)

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0605	0..*	**Regulated Goods**	Regulated goods information for this trade delivery.	(Association to Common)
0606	1..1	**Line Trade Inventory**	The entity specified the projected inventory.	(Association to)
0607	0..*	**Delivery Adjustment**	An adjustment specified for this trade delivery.	(Association to Common)
0608	0..1	**Ship To**	The entity contains the details of the ship to party.	(Association to Common)
0609	0..1	**Ship From**	The entity contains the details of the ship from party.	(Association to Common)
0610	0..*	**Additionnal Referenced**	An additional document referenced for this trade delivery.	(Association to Common)
0611	0..1	**Planned Delivery**	An event of planned delivery of this trade delivery.	(Association to Common)
0612	0..1	**Actual Delivery**	An event of actual delivery of this trade delivery.	(Association to Common)
0613	0..1	**Actual Receipt**	An event of actual receipt of this trade delivery.	(Association to Common)
1..1	**Line Trade Inventory**			
0701	0..1	Warehouse	Description of the Warehouse the item is stored in.	
0702	0..1	Minimum stock level	The minimum level of stock of the item that must be respected.	
0703	0..1	Minimum stock	e.g. Day	
0704	0..1	Maximum stock level	The maximum level of stock of the item that may not be exceeded.	
0705	0..1	Maximum stock	e.g. Day	
0706	0..1	Actual Stock Level	The actual level of the stock.	
0707	0..1	Actual Stock Level Date Time	The date and/or time the actual stock level was measured.	
0708	0..1	Planned stock quantity	the quantity of the item advised as Inventory Reported.	
0709	0..1	Calculation date of planned stock quantity	the date of Inventory Reporting quantity.	
0710	0..*	Stocked product note	The free text information related to the stocked product.	

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0711	0..*	Supplier delivery reference	The unique identification assigned by the supplier to a delivery.	See TRD-DOC-Doc
0712	0..1	Contract reference	The unique identification assigned by the issuer to a contract.	See TRD-DOC-Doc

5.3.4. Supply Instruction (SPI)

Table 5-8 Business Requirements List

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
SCH	**BRS**			
SPI	**Supply Instruction**			
	(HEADER LEVEL) Supply Instruction Message			
0001	0..1	**Exchanged Document**	A group of trade line items, trade agreement, trade delivery and trade settlement details.	(Association to Common Package)
0002	0..1	**Trade Transaction**	A collection of data for a piece of written, printed or electronic matter that provides information or evidence.	(Association to)
	(Document) Exchanged Document			
0101	1	Document Information	Document ID, Issue Date Time, Document Name, Universally Unique Identifier, Revision Date, Revision Time, Index ID, Previous, Index ID, Validity Period, Copy Indicator, Note, Document Status Code, Document Language, Line Count Numeric, attachment, checksum, Control Requirement, Processing Type, Purpose	(BoostAero) See TRD-DOC-Doc
0102	0..1	Last change date	The last date on which Demand Forecast was sent.	Candidate for TRD-DOC
0103	0..*	Line count	The total number of lines in the document.	
0104	0..*	Note	Information directly relating to the identification of a note.	Note. Details CC in CCL07A

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
		Trade Transaction		
0201	0..1	Acknowledgment response code	Specifies the type of Response that the Buyer requires from the Seller.	"UN/EDIFACT EDED D.04B - 1229 - Action request/notification description code"
0202	0..1	Type	The code specifying the type of trade transaction.	
0203	0..1	Urgency Status	The code specifying the status of Urgency.	
0204	0..1	**Trade Agreement**	Trade agreement details applicable to this trade transaction.	(Association to)
0205	0..*	**Trade Line Item**	A trade line item included in this trade transaction.	(Association to)
		Trade Agreement		
0301	0..1	Charge Free	The indication of whether or not the product is free of charge.	
0302	0..*	Customer Reference	A supplementary reference for the order expressed as text.	
0303	0..*	Reference	A reference expressed as text for this trade agreement.	
0304	0..1	**Buyer**	The entity contains the details of the buyer.	(BoostAero) (Associated to Common)
0305	0..1	**Customer End User**	The entity contains the details of the Customer.	(Associated to Common)
0306	0..1	**Seller**	The entity contains the details of the seller.	(BoostAero) (Associated to Common)
0307	0..*	**Supply Notification Referenced**	A supply notification document referenced for this trade agreement.	(Associated to Common)
0308	0..1	**Supply Instruction Referenced**	A supply instruction document referenced for this trade agreement.	(Associated to Common)
0309	0..*	**Additional Referenced**	The unique identifier assigned to any additional document.	(BoostAero) See TRD-DOC-Doc (Associated to Common)
0310	0..*	**Contract Referenced**	A contract document referenced for the trade agreement. The unique identification assigned by the issuer to a commercial contract.	(BoostAero) See TRD-DOC-Doc (Associated to Common)
0311	0..1	**Quotation Referenced**	A quotation document referenced for this trade agreement.	(Associated to Common)

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0312	0..1	**Demand Forecast Referenced**	The demand forecast document referenced for this trade agreement.	(Associated to Common)
0313	0..*	**Customer Order Referenced**	A customer order document referenced for this trade agreement.	(Associated to Common)
0314	0..1	**Trade Delivery Terms**	The terms of delivery applicable to this trade agreement.	(Associated to Common)
		Trade Line Item		
0401	1..1	**Document Line Document**	The document details for the trade line item.	(Associated to Common)
0402	0..1	**Line Trade Agreement**	The trade agreement specified for the trade line item.	(Associated to Line Trade Agreement)
0403	0..1	**Line Trade Delivery**	The trade delivery specified for the trade line item.	(Associated to Line Trade Delivery)
0404	0..1	**Line Trade Settlement**	The trade settlement specified for the trade line item.	(Associated to Line Trade Settlement)
0405	0..*	**Substituted Trade Product**	A product which is substituted for the trade line item.	(Associated to Common)
0406	0..1	**Specified Trade Product**	The product details for the trade line item.	(Associated to Common)
		Line Trade Agreement		
0501	0..1	Charge Free	The indication of whether or not the product is free of charge.	
0502	0..*	Customer Reference	A supplementary reference for the order expressed as text.	
0503	0..*	Reference	A reference expressed as text for this trade agreement.	
0504	0..1	**Buyer**	The entity contains the details of the buyer.	(BoostAero) (Associated to Common)
0505	0..1	**Customer End User**	The entity contains the details of the Customer.	(Associated to Common)
0506	0..1	**Seller**	The entity contains the details of the seller.	(BoostAero) (Associated to Common)
0507	0..*	**Supply Notification Referenced**	A supply notification document referenced for this trade agreement.	(Associated to Common)
0508	0..1	**Supply Instruction Referenced**	A supply instruction document referenced for this trade agreement.	(Associated to Common)

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0509	0..*	**Additional Referenced**	An additional document referenced for the trade agreement. The unique identifier assigned to any additional document.	(BoostAero) See TRD-DOC-Doc (Associated to Common)
0510	0..*	**Contract Referenced**	A contract document referenced for the trade agreement. The unique identification assigned by the issuer to a commercial contract.	(BoostAero) See TRD-DOC-Doc (Associated to Common)
0511	0..1	**Quotation Referenced**	A quotation document referenced for this trade agreement.	(Associated to Common)
0512	0..1	**Demand Forecast Referenced**	The demand forecast document referenced for this trade agreement.	(Associated to Common)
0513	0..*	**Customer Order Referenced**	A customer order document referenced for this trade agreement.	(Associated to Common)
0514	0..1	**Trade Delivery Terms**	The terms of delivery applicable to this trade agreement.	(Associated to Common)
		Line Trade Delivery		
0601	0..1	Agreed	The quantity agreed for this trade delivery.	
0602	0..1	Billed	The quantity billed for this trade delivery.	
0603	0..1	Despatched	The quantity despatched in this trade delivery.	
0604	0..1	Final Delivery	The indication of whether or not this trade delivery is the final delivery.	
0605	0..1	Free Goods	The quantity of free goods in this trade delivery.	
0607	0..1	Package	The quantity of packages in this trade delivery.	
0608	0..1	Received Quantity Type	The code specifying the type of received quantity in this trade delivery.	
0609	0..1	Partial Delivery Allowed	The indication of whether or not this trade delivery can be partially delivered.	
0610	0..1	Received	The quantity received in this trade delivery.	
0611	0..1	Requested	The quantity requested for this trade delivery.	

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0612	0..1	Theoretical Weight	The measure of the Theoretical weight of this trade delivery.	
0613	0..1	Total gross volume	The total gross volume.	
0614	0..1	Total gross weight	The total gross weight.	
0615	0..1	Total net volume	The total net volume.	
0616	0..1	Total net weight	The total net weight.	
0617	0..1	Product Unit	The quantity of product units in this trade delivery.	
0618	0..*	**Final destination**	A country of final destination of this trade delivery.	(Association to Common)
0619	0..1	**Delivery**	Instruction for delivery for this trade delivery.	(Association to Common)
0620	0..*	**Trade Packaging**	Packaging information for this trade delivery.	(Association to Common)
0621	0..*	**Trade Supply Plan**	A supply plan specified for this trade delivery.	(Association to Common)
0622	0..*	**Delivery Adjustment**	An adjustment specified for this trade delivery.	(Association to Common)
0623	0..1	**Ship To**	The entity contains the details of the ship to party.	(Association to Common)
0624	0..1	**Ship From**	The entity contains the details of the ship from party.	(Association to Common)
0625	0..*	**Additionnal Referenced**	An additional document referenced for this trade delivery.	(Association to Common)
0626	0..1	**Despatch Advice Referenced**	A despatch advice document referenced for this trade delivery.	(Association to Common)
0627	0..1	**Receiving Advice Referenced**	A receiving advice document referenced for this trade delivery.	(Association to Common)
0628	0..*	**Requested Despatch**	A requested despatch event for this trade delivery.	(Association to Common)
0629	0..1	**Planned Despatch**	A planned despatch event for this trade delivery.	(Association to Common)
0630	0..1	**Actual Despatch**	An actual despatch event for this trade delivery.	(Association to Common)
0631	0..1	**Planned Release**	A planned release event for of this trade delivery.	(Association to Common)
0632	0..1	**Actual Release**	An actual release event for of this trade delivery.	(Association to Common)

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0633	0..1	**Actual Receipt**	An event of actual receipt of this trade delivery.	(Association to Common)
0634	0..1	**Requested Delivery**	An event of requested delivery of this trade delivery.	(Association to Common)
0635	0..1	**Planned Delivery**	An event of planned delivery of this trade delivery.	(Association to Common)
0636	0..1	**Actual Delivery**	An event of actual delivery of this trade delivery.	(Association to Common)
0637	0..1	**Logistics Identification Tag**	A tag used in the scheduling system on which the information about the materials or parts that are needed is specified.	
0638	0..1	Identifier	Identifier of Logistics Identification Tag.	
0639	0..1	Layout type	Layout type code of Logistics Identification Tag.	
0640	0..1	Size	Size code of Logistics Identification Tag.	
0641	0..n	**Tag Segment**	Segment of Tag.	
0642	0..1	Identifier	Identifier of Tag Segment.	
0643	0..1	Pattern	Pattern code of Tag Segment.	
0644	0..n	**Segment Building Block**	A part composing the segment.	
0645	0..1	**Identifier**	Identifier of Segment Building Block.	
0646	0..1	**Marking Type**	Marking type code of Segment Building Block.	
0647	0..1	**Text**	Text for Segment Building Block.	
0648	0..1	**Binary Object**	Bar code or QR code of Segment Building Block.	

5.3.5. Supply Notification (SPN)

Table 5-9 Business Requirements List

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
SCH	**BRS**			
SPN	**Supply Notification**			
	(HEADER LEVEL) Supply Notification Message			
0001	0..1	**Exchanged Document**	A group of trade line items, trade agreement, trade delivery and trade settlement details.	(Association to Common Package)

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0002	0..1	**Trade Transaction**	A collection of data for a piece of written, printed or electronic matter that provides information or evidence.	(Association to)
		(Document) Exchanged Document		
0101	1	Document Information	Document ID, Issue Date Time, Document Name, Universally Unique Identifier, Revision Date, Revision Time, Index ID, Previous, Index ID, Validity Period, Copy Indicator, Note, Document Status Code, Document Language, Line Count Numeric, attachment, checksum, Control Requirement, Processing Type, Purpose	(BoostAero) See TRD-DOC-Doc
0102	0..1	Last change date	The last date on which Demand Forecast was sent.	Candidate for TRD-DOC
0103	0..*	Line count	The total number of lines in the document.	
0104	0..*	Note	Information directly relating to the identification of a note.	Note. Details CC in CCL07A
		Trade Transaction		
0201	0..1	Acknowledgment response code	Specifies the type of Response that the Buyer requires from the Seller.	"UN/EDIFACT EDED D.04B - 1229 - Action request/notification description code"
0202	0..1	Type	The code specifying the type of trade transaction.	
0203	0..1	Urgency Status	The code specifying the status of Urgency.	
0204	0..1	**Trade Agreement**	Trade agreement details applicable to this trade transaction.	(Association to)
0205	0..*	**Trade Line Item**	A trade line item included in this trade transaction.	(Association to)
		Trade Agreement		
0301	0..1	Charge Free	The indication of whether or not the product is free of charge.	
0302	0..*	Customer Reference	A supplementary reference for the order expressed as text.	
0303	0..*	Reference	A reference expressed as text for this trade agreement.	

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0304	0..1	**Buyer**	The entity contains the details of the buyer.	(BoostAero) (Associated to Common)
0305	0..1	**Customer End User**	The entity contains the details of the Customer.	(Associated to Common)
0306	0..1	**Seller**	The entity contains the details of the seller.	(BoostAero) (Associated to Common)
0307	0..*	**Supply Notification Referenced**	A supply notification document referenced for this trade agreement.	(Associated to Common)
0308	0..1	**Supply Instruction Referenced**	A supply instruction document referenced for this trade agreement.	(Associated to Common)
0309	0..*	**Additional Referenced**	An additional document referenced for the trade agreement. The unique identifier assigned to any additional document.	(BoostAero) See TRD-DOC-Doc (Associated to Common)
0310	0..*	**Contract Referenced**	A contract document referenced for the trade agreement. The unique identification assigned by the issuer to a commercial contract.	(BoostAero) See TRD-DOC-Doc (Associated to Common)
0311	0..1	**Demand Forecast Referenced**	The demand forecast document referenced for this trade agreement.	(Associated to Common)
0312	0..1	**Trade Delivery Terms**	The terms of delivery applicable to this trade agreement.	(Associated to Common)
		Trade Line Item		
0313	1..1	**Document Line Document**	The document details for the trade line item	(Associated to Common)
0314	0..1	**Line Trade Agreement**	The trade agreement specified for the trade line item.	(Associated to Line Trade Agreement)
0315	0..1	**Line Trade Delivery**	The trade delivery specified for the trade line item	(Associated to Line Trade Delivery)
0316	0..*	**Substituted Trade Product**	A product which is substituted for the trade line item.	(Associated to Common)
0317	0..1	**Specified Trade Product**	The product details for the trade line item.	(Associated to Common)
		Line Trade Agreement		
0401	0..1	Charge Free	The indication of whether or not the product is free of charge.	

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0402	0..*	Customer Reference	A supplementary reference for the order expressed as text.	
0403	0..*	Reference	A reference expressed as text for this trade agreement.	
0404	0..1	**Buyer**	The entity contains the details of the buyer.	(BoostAero) (Associated to Common)
0405	0..1	**Customer End User**	The entity contains the details of the Customer.	(Associated to Common)
0406	0..1	**Seller**	The entity contains the details of the seller.	(BoostAero) (Associated to Common)
0407	0..*	**Supply Notification Referenced**	A supply notification document referenced for this trade agreement.	(Associated to Common)
0408	0..1	**Supply Instruction Referenced**	A supply instruction document referenced for this trade agreement.	(Associated to Common)
0409	0..*	**Additional Referenced**	An additional document referenced for the trade agreement. The unique identifier assigned to any additional document.	(BoostAero) See TRD-DOC-Doc (Associated to Common)
0410	0..*	**Contract Referenced**	A contract document referenced for the trade agreement. The unique identification assigned by the issuer to a commercial contract.	(BoostAero) See TRD-DOC-Doc (Associated to Common)
0411	0..1	**Demand Forecast Referenced**	The demand forecast document referenced for this trade agreement.	(Associated to Common)
0412	0..1	**Trade Delivery Terms**	The terms of delivery applicable to this trade agreement.	(Associated to Common)
		Line Trade Delivery		
0501	0..1	Despatched	The quantity despatched in this trade delivery.	
0502	0..1	Final Delivery	The indication of whether or not this trade delivery is the final delivery.	
0503	0..1	Package	The quantity of packages in this trade delivery.	
0504	0..1	Theoretical Weight	The measure of the Theoretical weight of this trade delivery.	
0505	0..1	Total gross volume	The total gross volume.	

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0506	0..1	Total gross weight	The total gross weight.	
0507	0..1	Total net volume	The total net volume.	
0508	0..1	Total net weight	The total net weight.	
0509	0..1	Product Unit	The quantity of product units in this trade delivery.	
0510	0..*	**Final destination**	A country of final destination of this trade delivery.	(Association to Common)
0511	0..1	**Delivery**	Instruction for delivery for this trade delivery.	(Association to Common)
0512	0..*	**Trade Packaging**	Packaging information for this trade delivery.	(Association to Common)
0513	1..1	**Line Trade Inventory**	The entity specified the projected inventory.	(Association to)
0514	0..*	**Delivery Adjustment**	An adjustment specified for this trade delivery.	(Association to Common)
0515	0..1	**Ship To**	The entity contains the details of the ship to party.	(Association to Common)
0516	0..1	**Ship From**	The entity contains the details of the ship from party.	(Association to Common)
0517	0..*	**Additionnal Referenced**	An additional document referenced for this trade delivery.	(Association to Common)
0518	0..1	**Despatch Advice Referenced**	A despatch advice document referenced for this trade delivery.	(Association to Common)
0519	0..1	**Receiving Advice Referenced**	A receiving advice document referenced for this trade delivery.	(Association to Common)
0520	0..1	**Planned Delivery**	An event of planned delivery of this trade delivery.	

5.3.6.   Consumption Report (CR)

Table 5-10 Business Requirements List

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
SCH	**BRS**			
CR	**Consumption Report**			
	(HEADER LEVEL) Consumption Report Message			

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0001	0..1	**Exchanged Document**	A group of trade line items, trade agreement, trade delivery and trade settlement details.	(Association to Common Package)
0002	0..1	**Trade Transaction**	A collection of data for a piece of written, printed or electronic matter that provides information or evidence.	(Association to)
		(Document) Exchanged Document		
0101	1	Document Information	Document ID, Issue Date Time, Document Name, Universally Unique Identifier, Revision Date, Revision Time, Index ID, Previous, Index ID, Validity Period, Copy Indicator, Note, Document Status Code, Document Language, Line Count Numeric, attachment, checksum, Control Requirement, Processing Type, Purpose	(BoostAero) See TRD-DOC-Doc
0102	0..1	Last change date	The last date on which Consumption Report was sent.	Candidate for TRD-DOC
0103	0..*	Line count	The total number of lines in the document.	
0104	0..*	Note	Information directly relating to the identification of a note.	Note. Details CC in CCL07A
		Trade Transaction		
0201	0..1	Acknowledgment response code	Specifies the type of Response that the Buyer requires from the Seller.	"UN/EDIFACT EDED D.04B - 1229 - Action request/notification description code"
0202	0..1	Type	The code specifying the type of trade transaction.	
0203	0..1	Urgency Status	The code specifying the status of Urgency.	
0204	0..1	**Trade Agreement**	Trade agreement details applicable to this trade transaction.	(Association to)
0205	0..*	**Trade Delivery**	Trade delivery details applicable to this trade transaction.	(Association to)
0206	0..1	**Trade Settlement**	Trade settlement details applicable to this trade transaction.	(Association to)
0207	0..*	**Trade Line Item**	A trade line item included in this trade transaction.	(Association to)
		Trade Agreement		

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0301	0..1	Charge Free	The indication of whether or not the product is free of charge.	
0302	0..*	Customer Reference	A supplementary reference for the order expressed as text.	
0303	0..*	Reference	A reference expressed as text for this trade agreement.	
0304	0..1	**Buyer**	The entity contains the details of the buyer.	(BoostAero) (Associated to Common)
0305	0..1	**Customer End User**	The entity contains the details of the Customer.	(Associated to Common)
0306	0..1	**Seller**	The entity contains the details of the seller.	(BoostAero) (Associated to Common)
0307	0..*	**Supply Notification Referenced**	A supply notification document referenced for this trade agreement.	(Associated to Common)
0308	0..1	**Supply Instruction Referenced**	A supply instruction document referenced for this trade agreement.	(Associated to Common)
0309	0..*	**Additional Referenced**	An additional document referenced for the trade agreement. The unique identifier assigned to any additional document.	(BoostAero) See TRD-DOC-Doc (Associated to Common)
0310	0..*	**Contract Referenced**	A contract document referenced for the trade agreement. The unique identification assigned by the issuer to a commercial contract.	(BoostAero) See TRD-DOC-Doc (Associated to Common)
0311	0..1	**Quotation Referenced**	A quotation document referenced for this trade agreement.	(Associated to Common)
0312	0..1	**Demand Forecast Referenced**	The demand forecast document referenced for this trade agreement.	(Associated to Common)
0313	0..*	**Customer Order Referenced**	A customer order document referenced for this trade agreement.	(Associated to Common)
0314	0..1	**Trade Delivery Terms**	The terms of delivery applicable to this trade agreement.	(Associated to Common)
	Trade Line Item			
0401	1..1	**Document Line Document**	The document details for the trade line item	(Associated to Common)

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0402	0..1	**Line Trade Agreement**	The trade agreement specified for the trade line item.	(Associated to Line Trade Agreement)
0403	0..1	**Line Trade Delivery**	The trade delivery specified for the trade line item	(Associated to Line Trade Delivery)
0405	0..1	**Specified Trade Product**	The product details for the trade line item.	(Associated to Common)
	0..*	**Logistics_Package**	Identification of Package, Physical information as measure and Weight, details of contents as Item quantities, Numeric sequence, identifier and series identifiers and free Text	(Associated to Common)
		Line Trade Agreement		
0501	0..1	Charge Free	The indication of whether or not the product is free of charge.	
0502	0..*	Customer Reference	A supplementary reference for the order expressed as text.	
0503	0..*	Reference	A reference expressed as text for this trade agreement.	
0504	0..1	**Buyer**	The entity contains the details of the buyer.	(BoostAero) (Associated to Common)
0505	0..1	**Customer End User**	The entity contains the details of the Customer.	(Associated to Common)
0506	0..1	**Seller**	The entity contains the details of the seller.	(BoostAero) (Associated to Common)
0507	0..*	**Supply Notification Referenced**	A supply notification document referenced for this trade agreement.	(Associated to Common)
0508	0..1	**Consumption Report Referenced**	A consumption report referenced for this trade agreement.	(Associated to Common)
0509	0..*	**Additional Referenced**	An additional document referenced for the trade agreement. The unique identifier assigned to any additional document.	(BoostAero) See TRD-DOC-Doc (Associated to Common)
0510	0..*	**Contract Referenced**	A contract document referenced for the trade agreement. The unique identification assigned by the issuer to a commercial contract.	(BoostAero) See TRD-DOC-Doc (Associated to Common)

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0511	0..1	**Quotation Referenced**	A quotation document referenced for this trade agreement.	(Associated to Common)
0512	0..1	**Demand Forecast Referenced**	The demand forecast document referenced for this trade agreement.	(Associated to Common)
0513	0..*	**Customer Order Referenced**	A customer order document referenced for this trade agreement.	(Associated to Common)
0514	0..1	**Trade Delivery Terms**	The terms of delivery applicable to this trade agreement.	(Associated to Common)
		Line Trade Delivery		
0601	0..1	Agreed	The quantity agreed for this trade delivery	
0602	0..1	Billed	The quantity billed for this trade delivery.	
0603	0..1	Despatched	The quantity despatched in this trade delivery.	
0604	0..1	Final Delivery	The indication of whether or not this trade delivery is the final delivery.	
0605	0..1	Free Goods	The quantity of free goods in this trade delivery.	
0607	0..1	Package	The quantity of packages in this trade delivery.	
0608	0..1	Received Quantity Type	The code specifying the type of received quantity in this trade delivery.	
0609	0..1	Partial Delivery Allowed	The indication of whether or not this trade delivery can be partially delivered.	
0610	0..1	Received	The quantity received in this trade delivery.	
0611	0..1	Requested	The quantity requested for this trade delivery.	
0612	0..1	Theoretical Weight	The measure of the Theoretical weight of this trade delivery.	
0613	0..1	Total gross volume	The total gross volume.	
0614	0..1	Total gross weight	The total gross weight.	
0615	0..1	Total net volume	The total net volume.	
0616	0..1	Total net weight	The total net weight.	
0617	0..1	Product Unit	The quantity of product units in this trade delivery.	

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0618	0..*	**Final destination**	A country of final destination of this trade delivery.	(Association to Common)
0619	0..1	**Delivery**	Instruction for delivery for this trade delivery.	(Association to Common)
0620	0..*	**Trade Packaging**	Packaging information for this trade delivery.	(Association to Common)
0621	0..*	**Trade Supply Plan**	A supply plan specified for this trade delivery.	(Association to Common)
0622	0..*	**Delivery Adjustment**	An adjustment specified for this trade delivery.	(Association to Common)
0623	0..1	**Ship To**	The entity contains the details of the ship to party.	(Association to Common)
0624	0..1	**Ship From**	The entity contains the details of the ship from party.	(Association to Common)
0625	0..*	**Additionnal Referenced**	An additional document referenced for this trade delivery	(Association to Common)
0626	0..1	**Despatch Advice Referenced**	A despatch advice document referenced for this trade delivery.	(Association to Common)
0627	0..1	**Receiving Advice Referenced**	A receiving advice document referenced for this trade delivery.	(Association to Common)
0628	0..*	**Requested Despatch**	A requested despatch event for this trade delivery.	(Association to Common)
0629	0..1	**Planned Despatch**	A planned despatch event for this trade delivery.	(Association to Common)
0630	0..1	**Actual Despatch**	An actual despatch event for this trade delivery.	(Association to Common)
0631	0..1	**Planned Release**	A planned release event for of this trade delivery.	(Association to Common)
0632	0..1	**Actual Release**	An actual release event for of this trade delivery.	(Association to Common)
0633	0..1	**Actual Receipt**	An event of actual receipt of this trade delivery.	(Association to Common)
0634	0..1	**Requested Delivery**	An event of requested delivery of this trade delivery.	(Association to Common)
0635	0..1	**Planned Delivery**	An event of planned delivery of this trade delivery.	(Association to Common)
0636	0..1	**Actual Delivery**	An event of actual delivery of this trade delivery.	(Association to Common)
		Supply Chain Schedule		
0637	0..1	Consumption	The quantity consumed by the customer and the date of consumption.	(Association to Common)

5.4.   Business Rules

n/a

5.5.   Definition of Terms

Regarding the Definition of Terms refer to TBG1 Common Supply Chain BRS