

*Final  
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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**

FINAL DRAFT AFTER PUBLIC REVIEW

**Approved: UN/CEFACT Bureau on 20th October 2021**

**Version: 3.0**

## Document Summary

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## Log of Changes

Version	Date of Change	Paragraphs 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 Change 5.3.4	Generalize the definition of KANBAN and Add the information model for Logistics Identification Tag.
V3.0 rel1.0	12 March 2021	Change 5.3.1 Change 5.3.4	Addition of global automotive requirements to the information model definitions for Demand Forecast and Supply Instruction.

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## 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) – SupplyChain & 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 standardise 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.

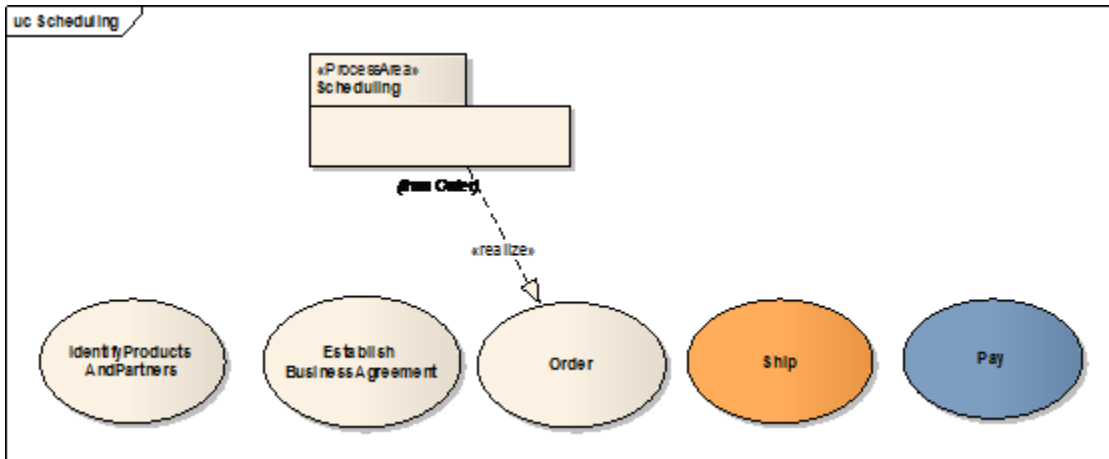
The business process is the detailed description of the way trading partners intend to play their respective roles, establish business relationships and share responsibilities to interact efficiently with the support of their respective information systems.

Each Business transaction is realised by an exchange of Business documents (also called messages). The sequence 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 and VMI.



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 Contractor 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 SynchronizedSupply scenarios.
- Supplier controlled supply, covering the VMI scenario.

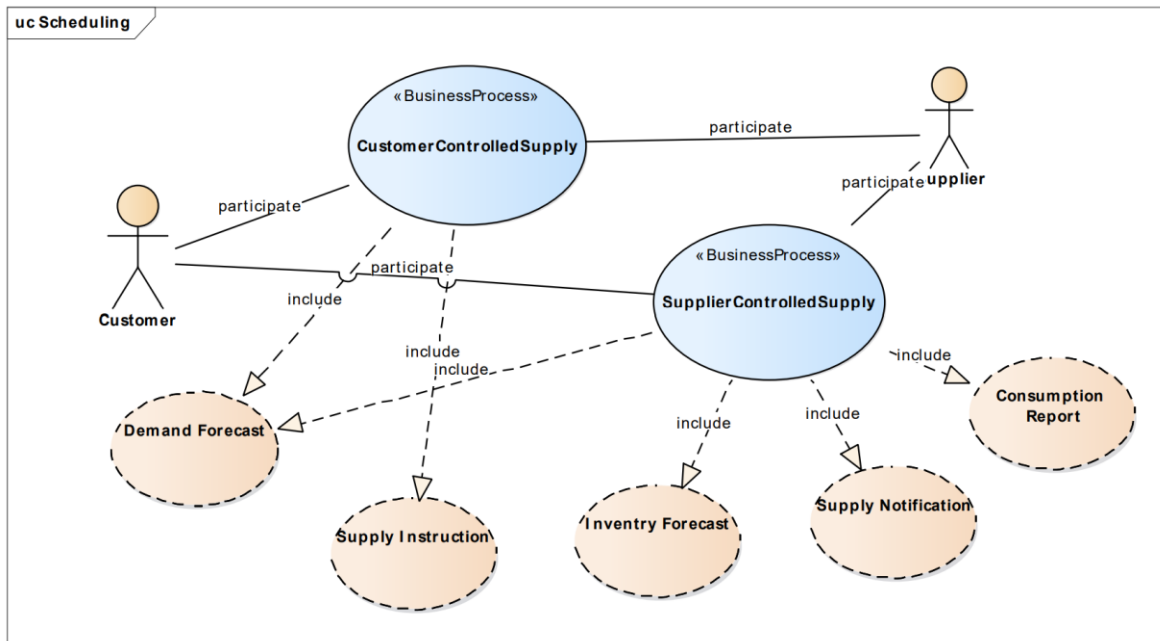


Figure 5-1 Business process overview

### 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 Demand Forecast may include short-term firm requirements.

✓ **Note:** In some cases, the Supply Instruction may be used without a previous Demand Forecast.

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

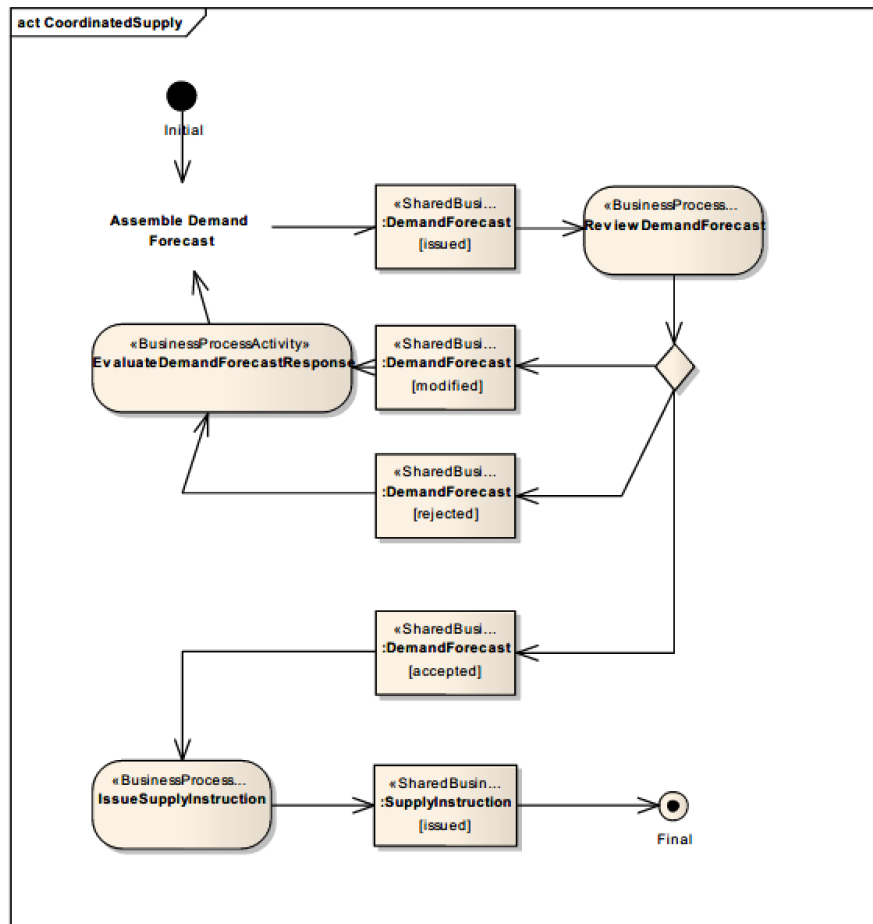


Figure 5-2 Business Process Activity Diagram

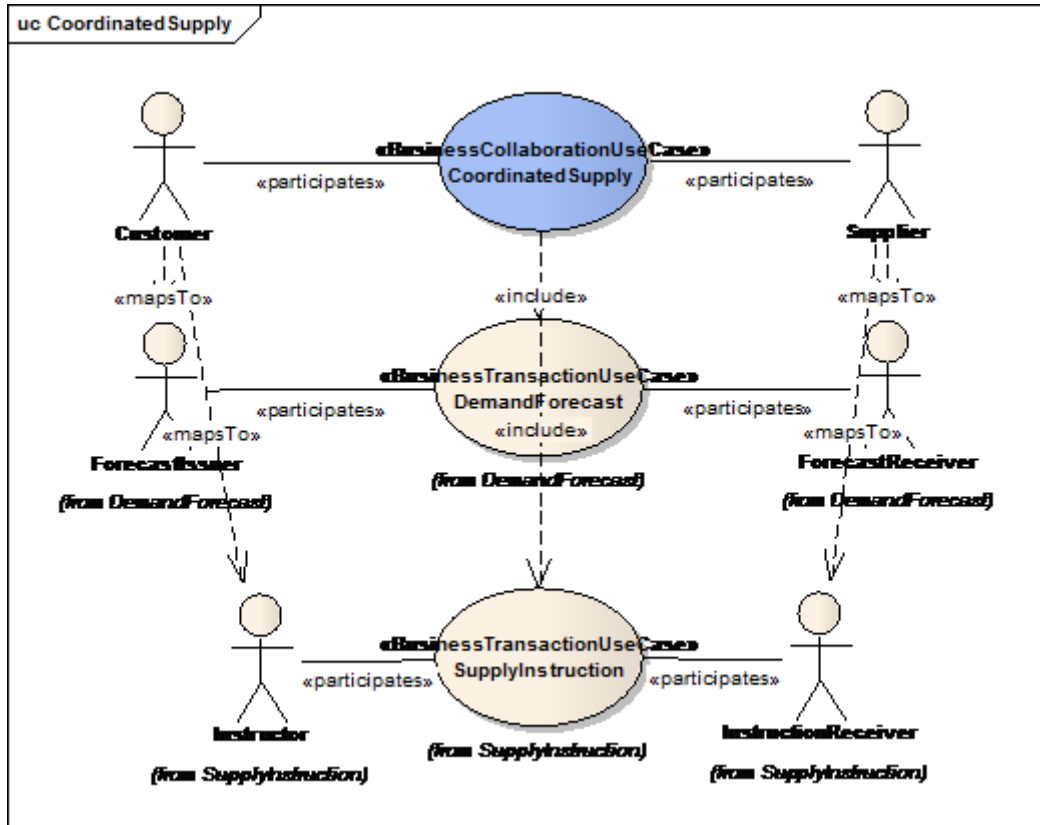


Figure 5-3 Business Collaboration Use Case Diagram

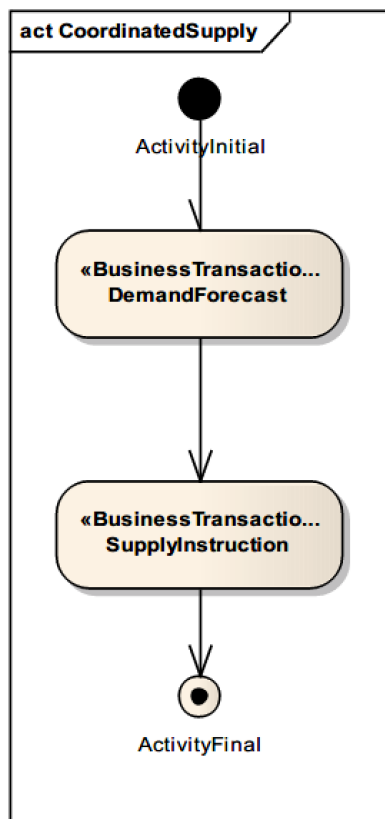


Figure 5-4 Business Collaboration Protocol - Activity Diagram



### 5.1.1.2. KANBAN scenario

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

When materials or parts in a 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 is possible in the other scenarios (synchronous, SCC (Supply Chain Collaboration), ...), the Supply Instruction could include a logistic identification tag (also called a Kanban).

The supplier will prepare a logistic identification tag according to the information received and the tag will be attached to the logistics container during preparation of the shipment.

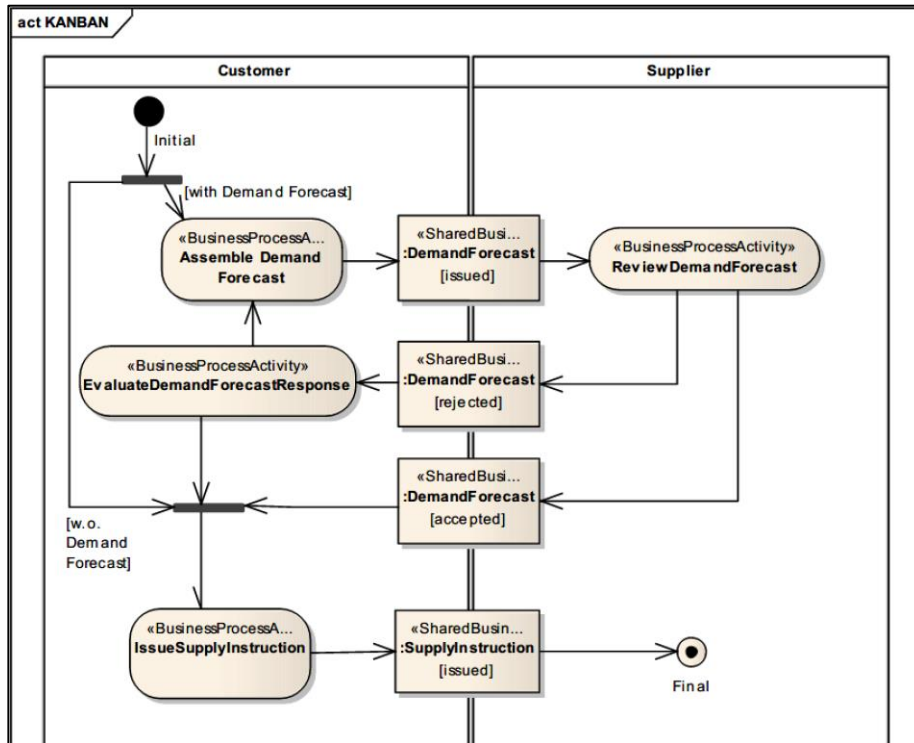


Figure 5-5 Business Process Activity Diagram

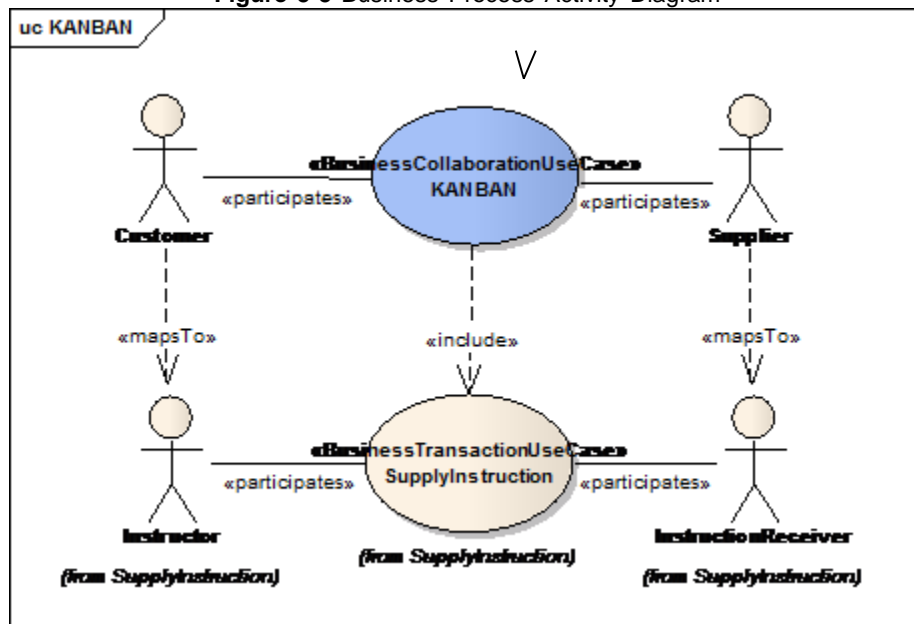


Figure 5-6 Business Collaboration Use Case Diagram

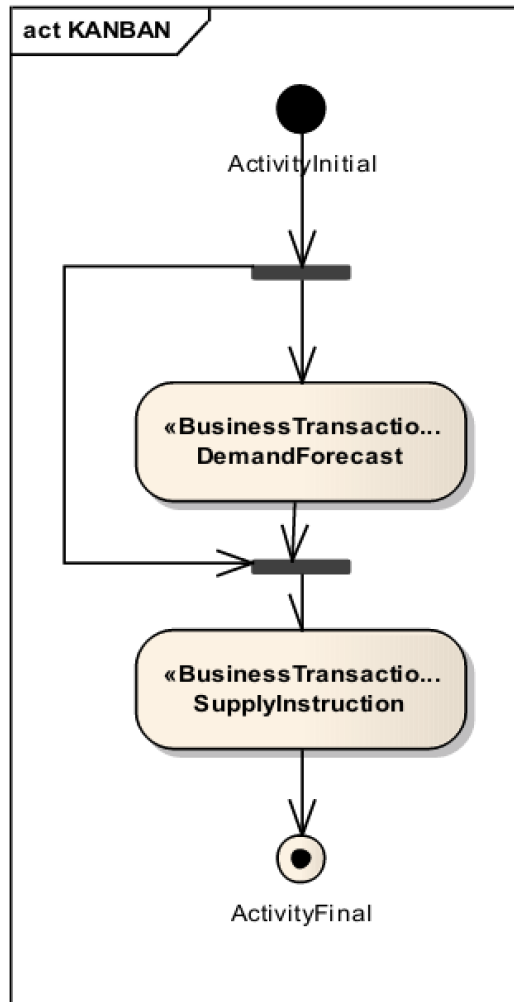


Figure 5-7 Business Collaboration Protocol - Activity Diagram

### 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. It applies, for example, to goods which are too volatile/voluminous/complex/product specific to hold in stock or which have a long lead time to order.

This scenario is used to have a particular part available at the right time for a specific product going down the production line.

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

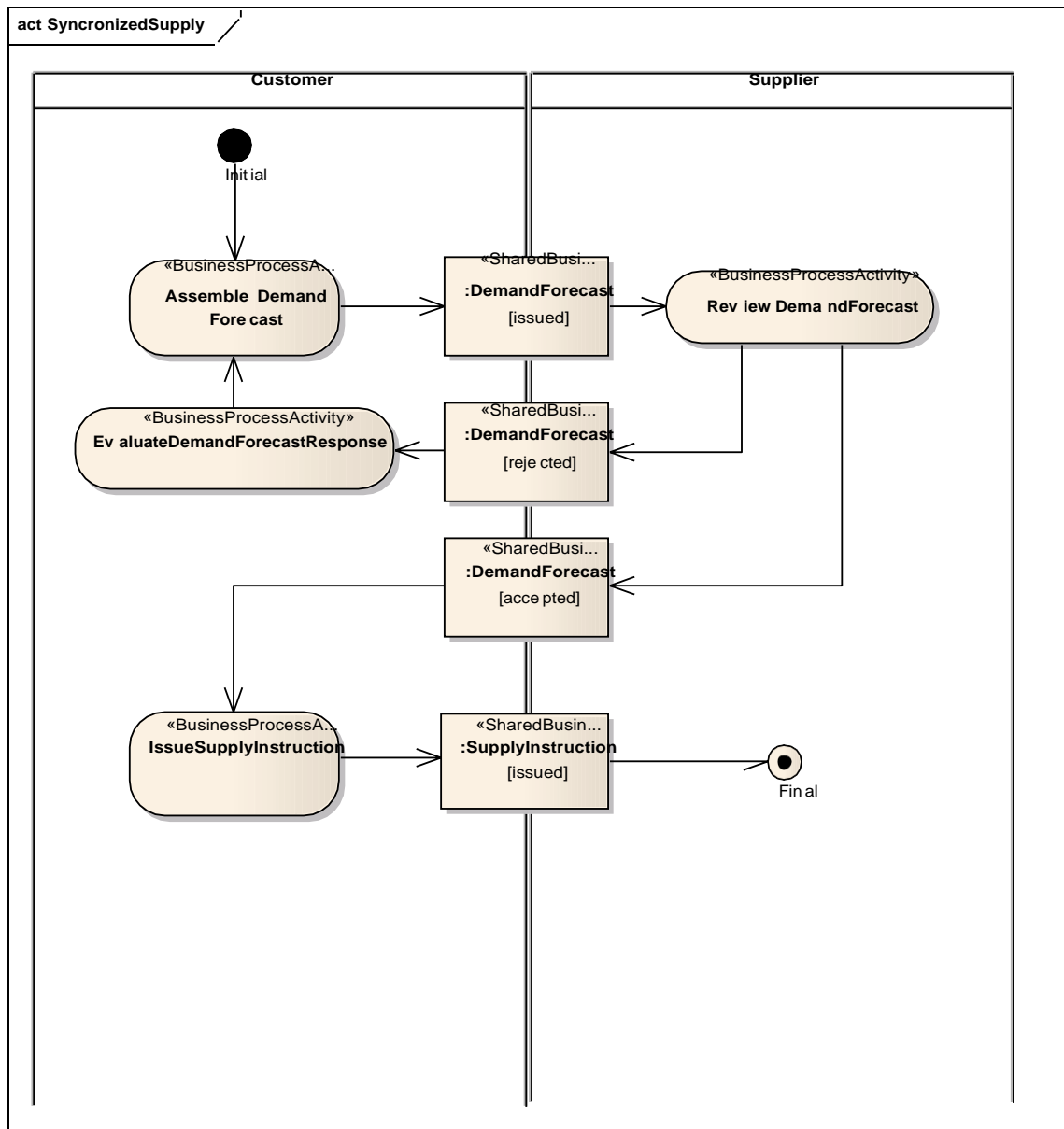


Figure 5-8 Business Process Activity Diagram

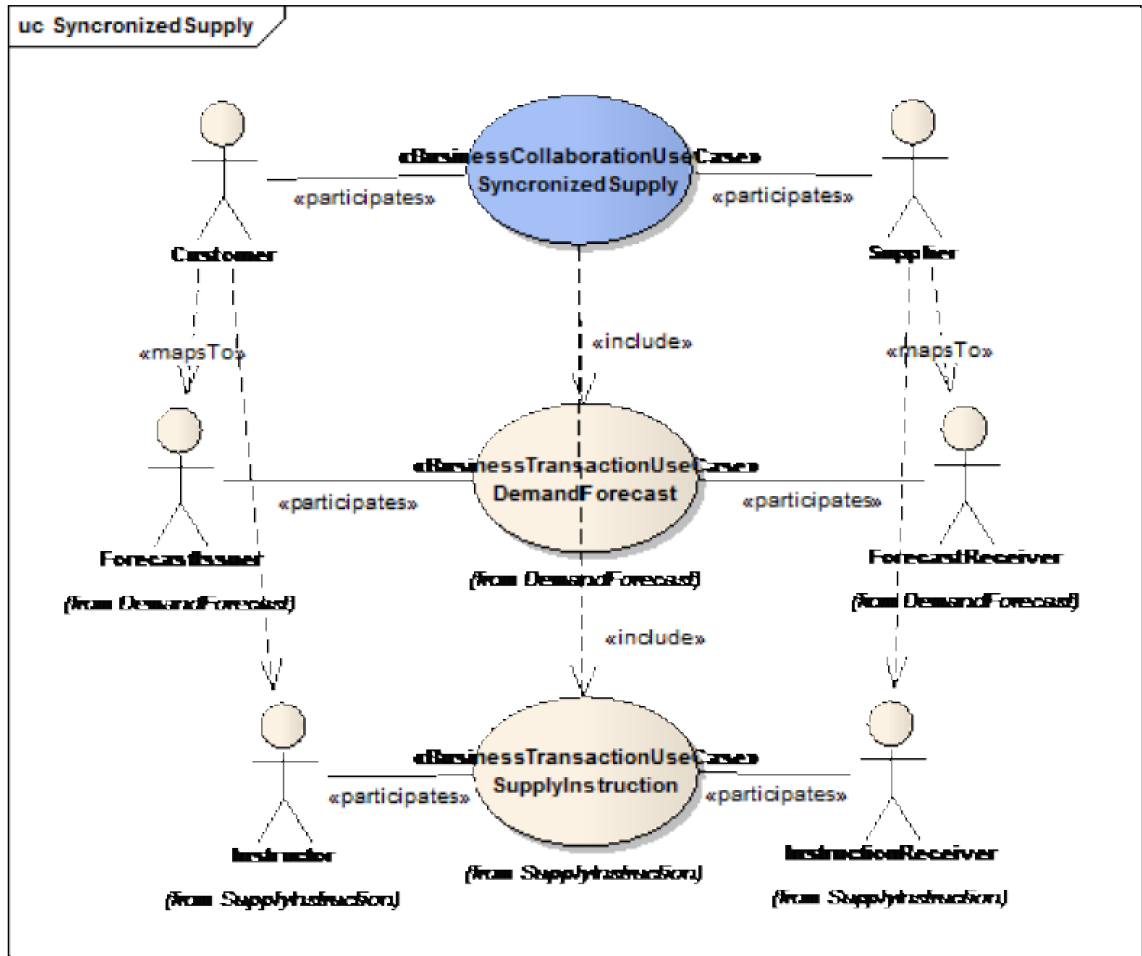


Figure 5-9 Business Collaboration Use Case Diagram

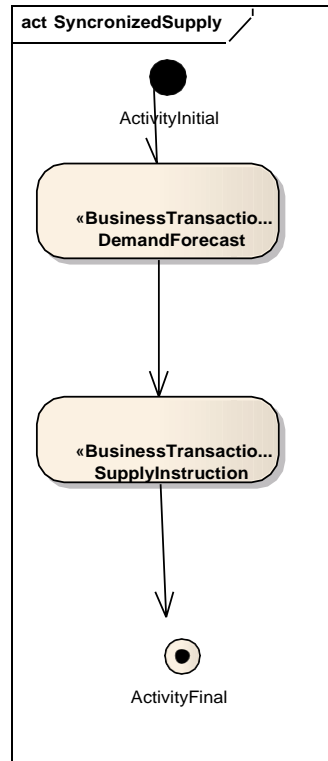


Figure 5-10 Business Collaboration Protocol - Activity Diagram

### 5.1.2. Supplier Controlled Supply

The Supplier controlled supply scheduling cycle can include up to four 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.

**2.** - Inventory Forecasting

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

**3.** - Supply Notification

This process is initiated by the Supplier and covers the exchange of information on delivery plans and stock computations. This process is used to compute total inventory requirements as 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 of material or parts from the inventory. This process is used by the supplier to build the invoice and to compute the current 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 Customer's manufacturing or trading process.

The supplier is required to maintain the inventory within a pre-defined and mutually agreed min/max range of inventory level. The supplier is free (according to the agreement) to deliver any quantity at any time provided that the inventory is kept within these indicated ranges. These ranges may be updated from time to time 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 the Consigned VMI scenario

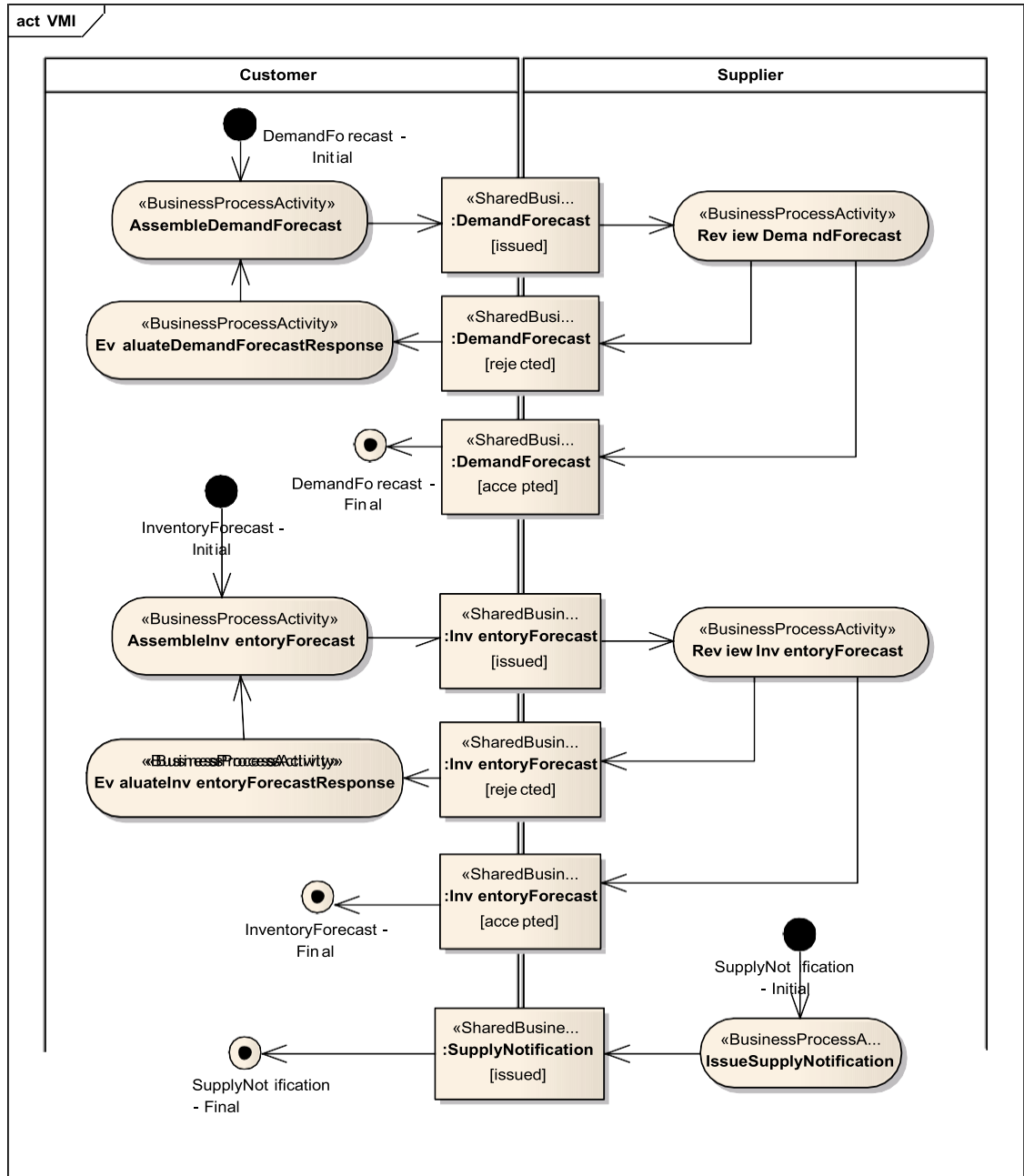
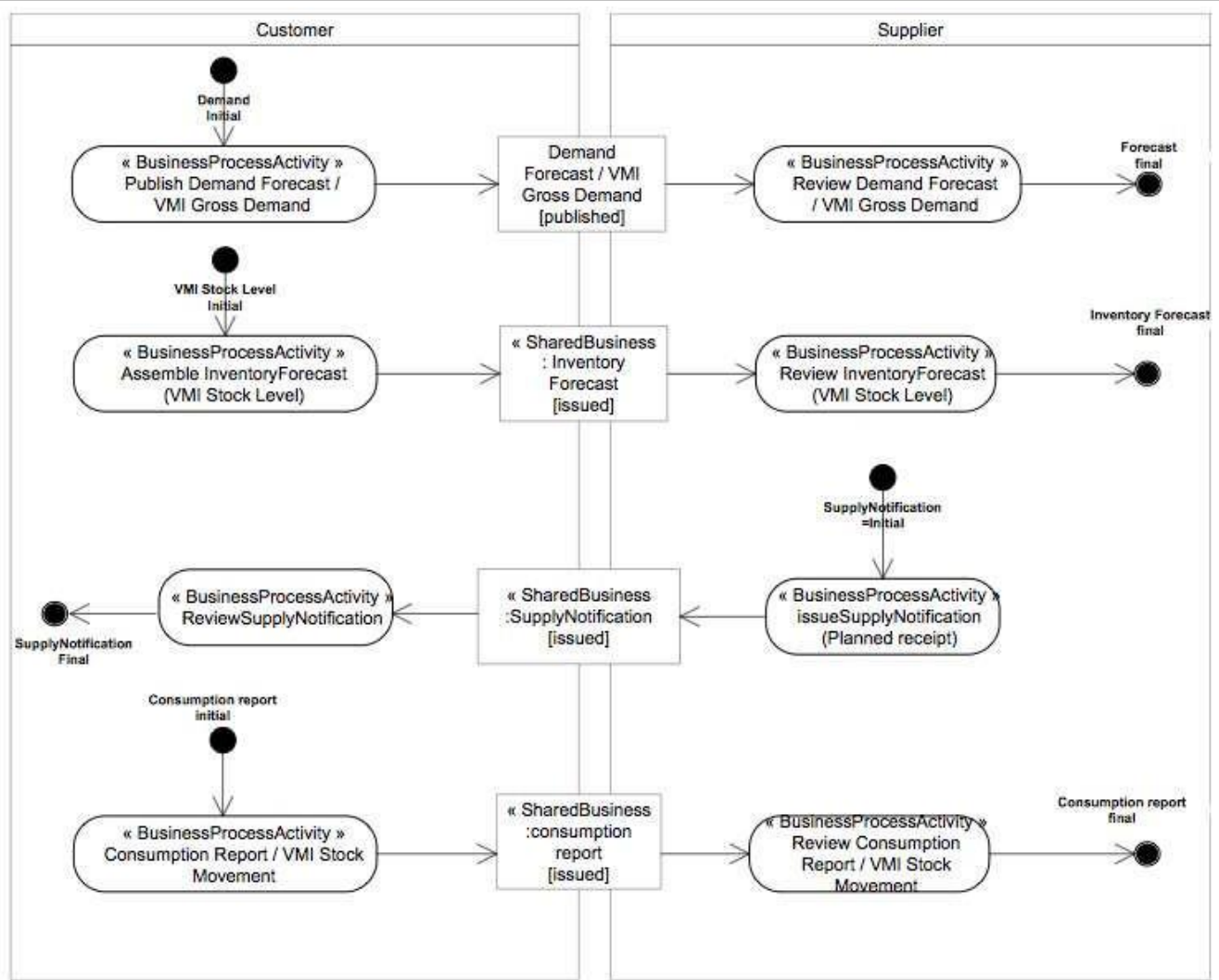


Figure 5-11 Business Process Activity Diagram





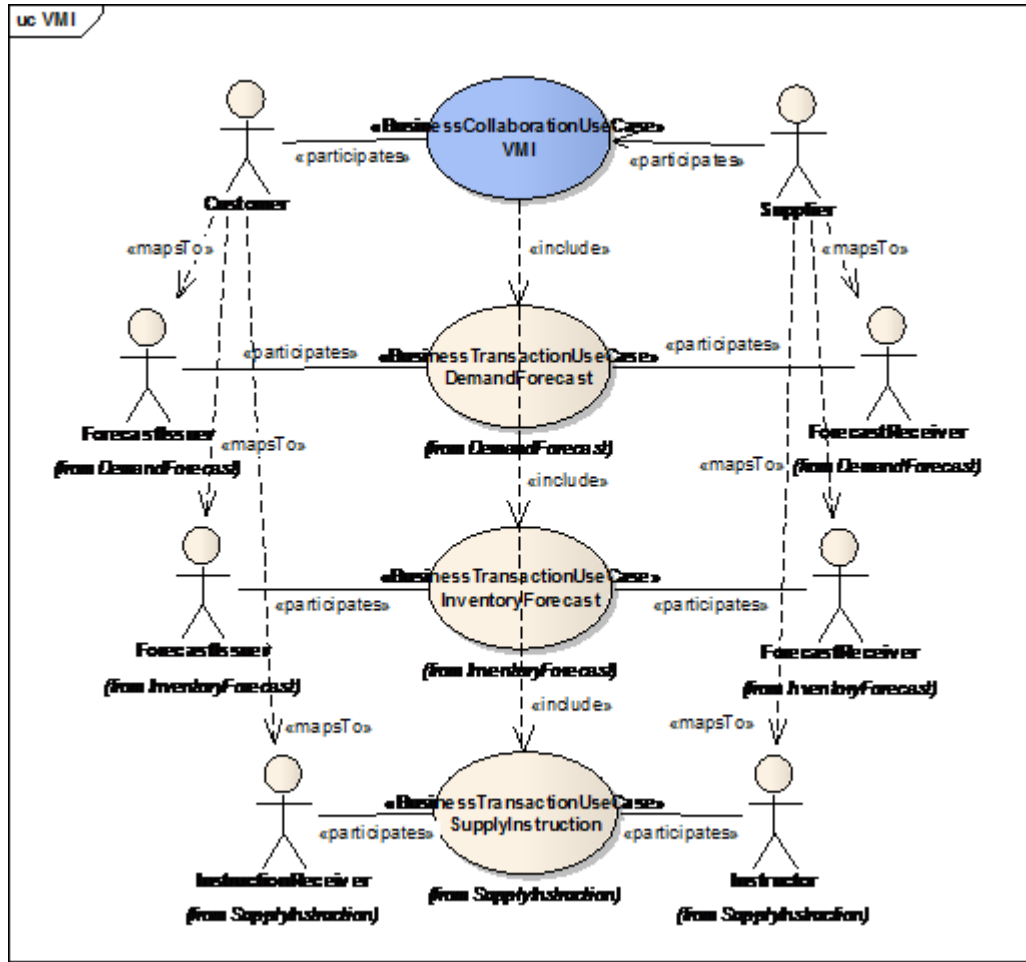


Figure 5-12 Business Collaboration Use Case Diagram

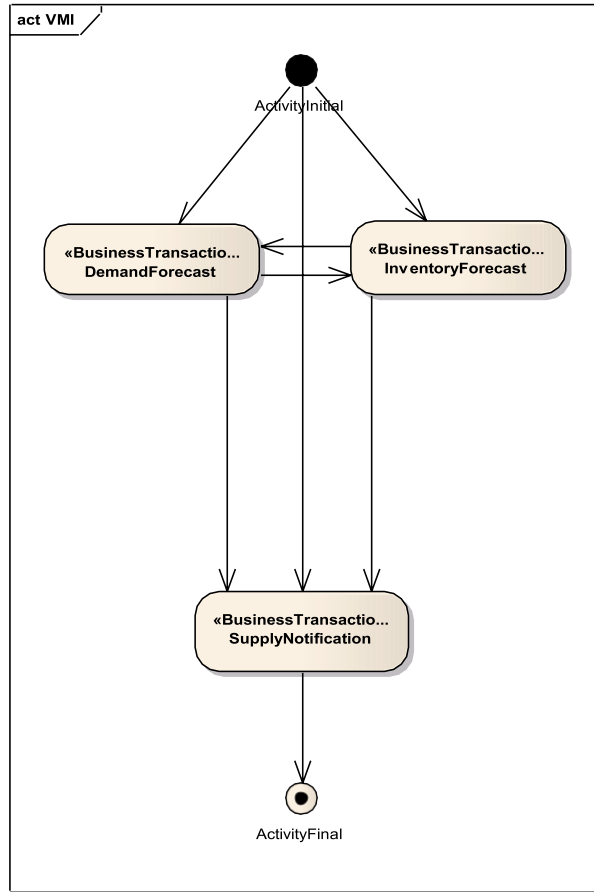


Figure 5-13 Business Collaboration Protocol - Activity Diagram

## 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 optimise 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). 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 synchronisation between the Customer and the Supplier.

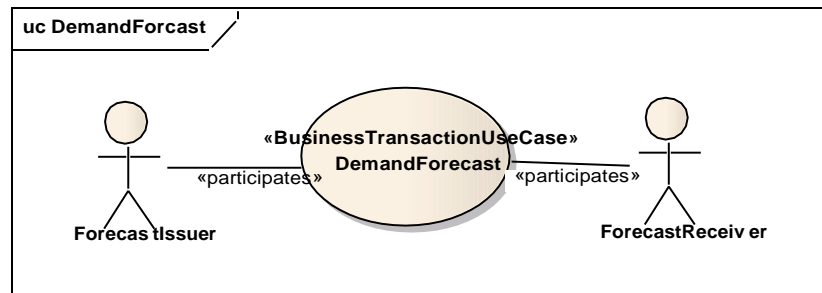


Figure 5-14 Business Transaction Use Case Diagram

Table 5-1 Business Transaction Use Case Description

Business Transaction Use Case Description	
<b>Identifier</b>	Demand Forecast
<b>Business Message Type</b>	Demand Forecast / Demand Forecast Response
<b>Description</b>	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 responds to the Customer.
<b>Partner Types</b>	Customer, Supplier
<b>Authorized Roles</b>	Forecast Issuer, Forecast Receiver
<b>Legal Implications</b>	
<b>Initial/Terminal Events</b>	

Scope	
Boundary	
Constraints	

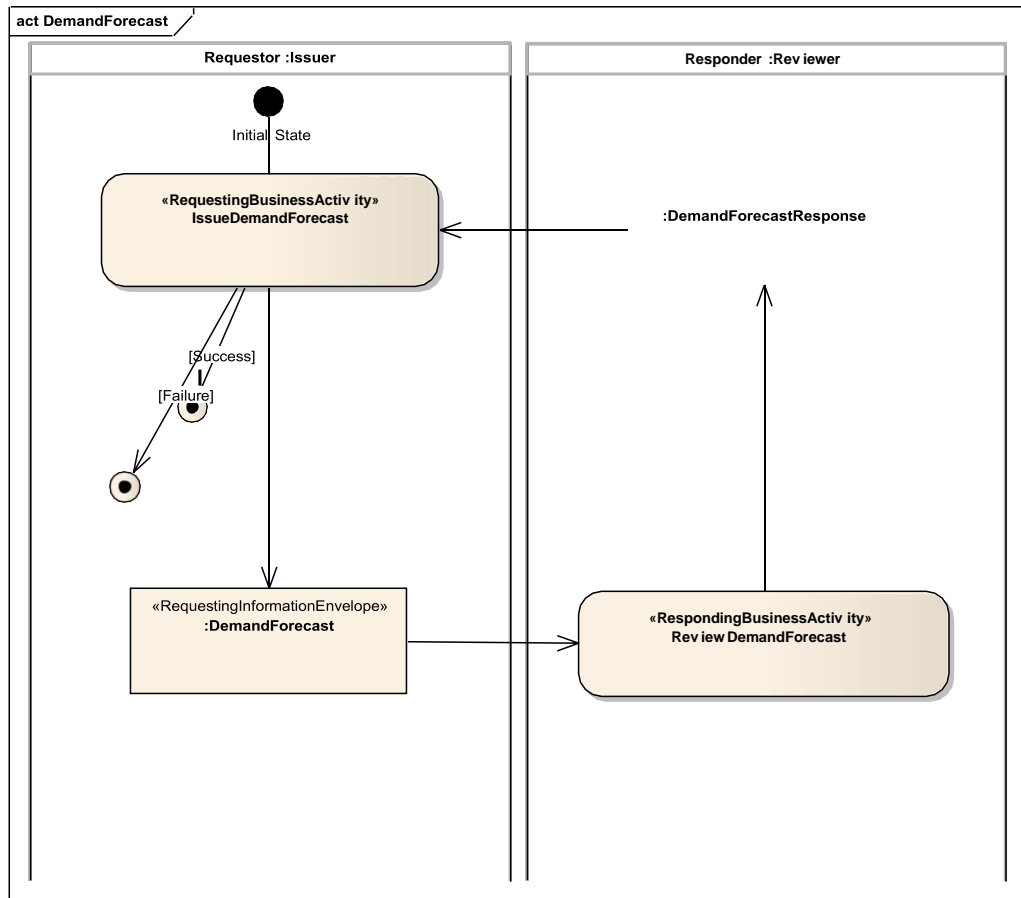


Figure 5-15 Business Transaction Activity Diagram

### 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 may 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. Based on 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.
- possibly provide delivery details, transport information and packaging requirements.

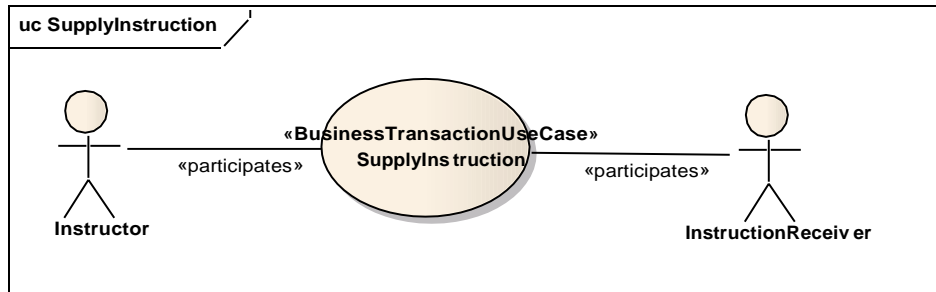


Figure 5-16 Business Transaction Use Case Diagram

Table 5-2 Business Transaction Use Case Description

<b>Identifier</b>	Supply Instruction
<b>Business Message Type</b>	Supply Instruction
<b>Description</b>	The Customer sends the supply instruction information specifying the delivery times, quantities to be delivered, delivery details and possibly transport information and packaging requirements. The Supplier receives and processes the supply instruction message.
<b>Partner Types</b>	Customer, Supplier
<b>Authorized Roles</b>	Instructor, Instruction Receiver
<b>Legal Implications</b>	
<b>Initial/Terminal Events</b>	
<b>Scope</b>	
<b>Boundary</b>	
<b>Constraints</b>	If the Supplier cannot meet the requirements, the issue should be resolved outside the scope of this process.

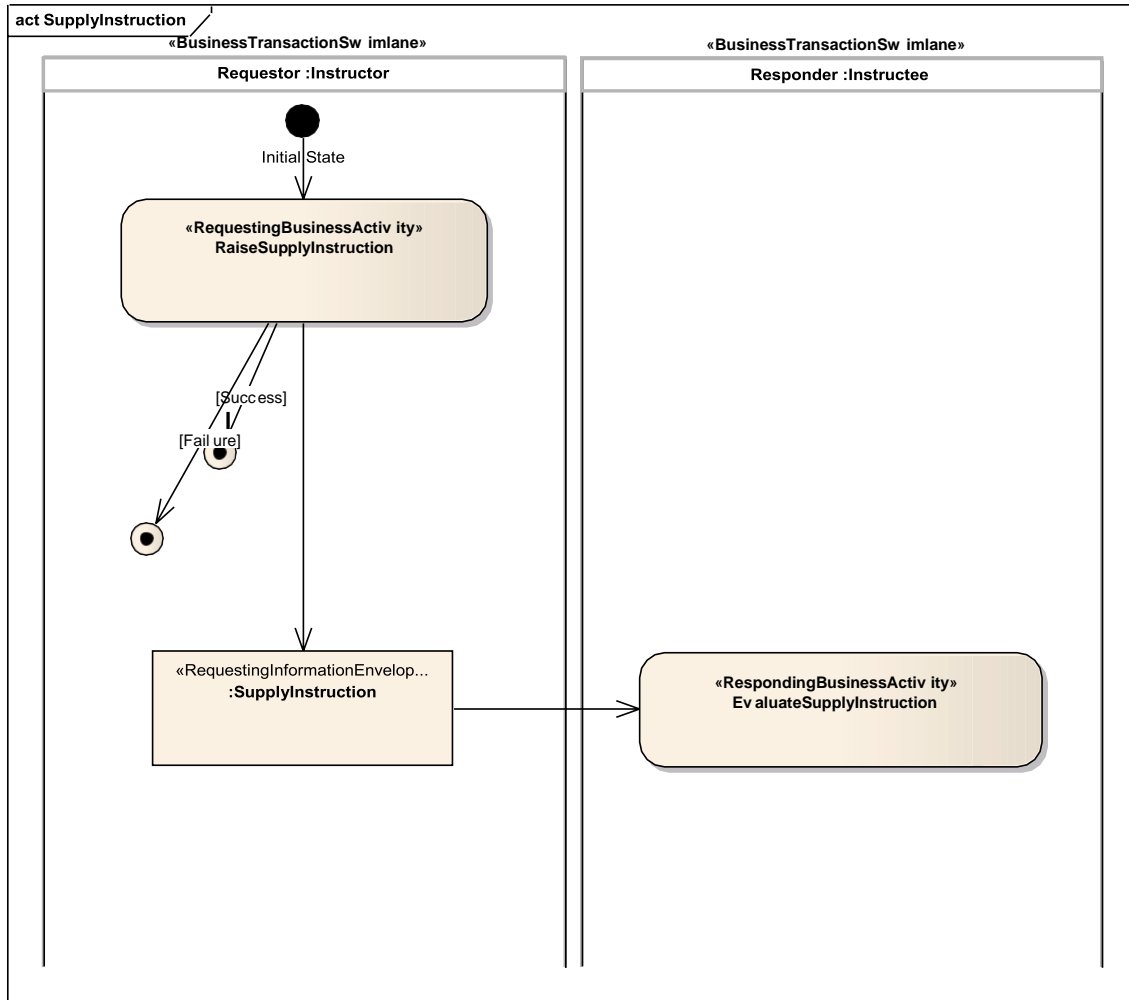


Figure 5-17 Business Transaction Activity Diagram

### 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

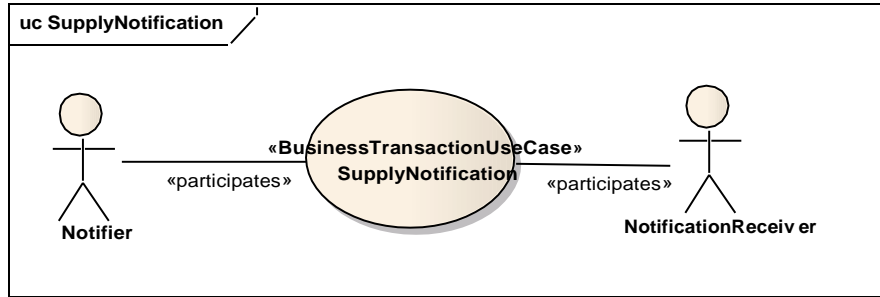


Figure 5-18 Business Transaction Use Case Diagram

Table 5-3 Business Transaction Use Case Description

uc SupplyNotification	
<b>Identifier</b>	Supply Notification
<b>Business Message Type</b>	Supply Notification
<b>Description</b>	The Supplier sends the supply information specifying the delivery times and quantities to be delivered. The Customer receives and processes the Supply Notification message.
<b>Partner Types</b>	Customer, Supplier
<b>Authorized Roles</b>	Notifier, Notification Receiver
<b>Legal Implications</b>	
<b>Initial/Terminal Events</b>	
<b>Scope</b>	If the Customer cannot receive the notified supply, the issue should be resolved outside the scope of this process.
<b>Boundary</b>	
<b>Constraints</b>	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

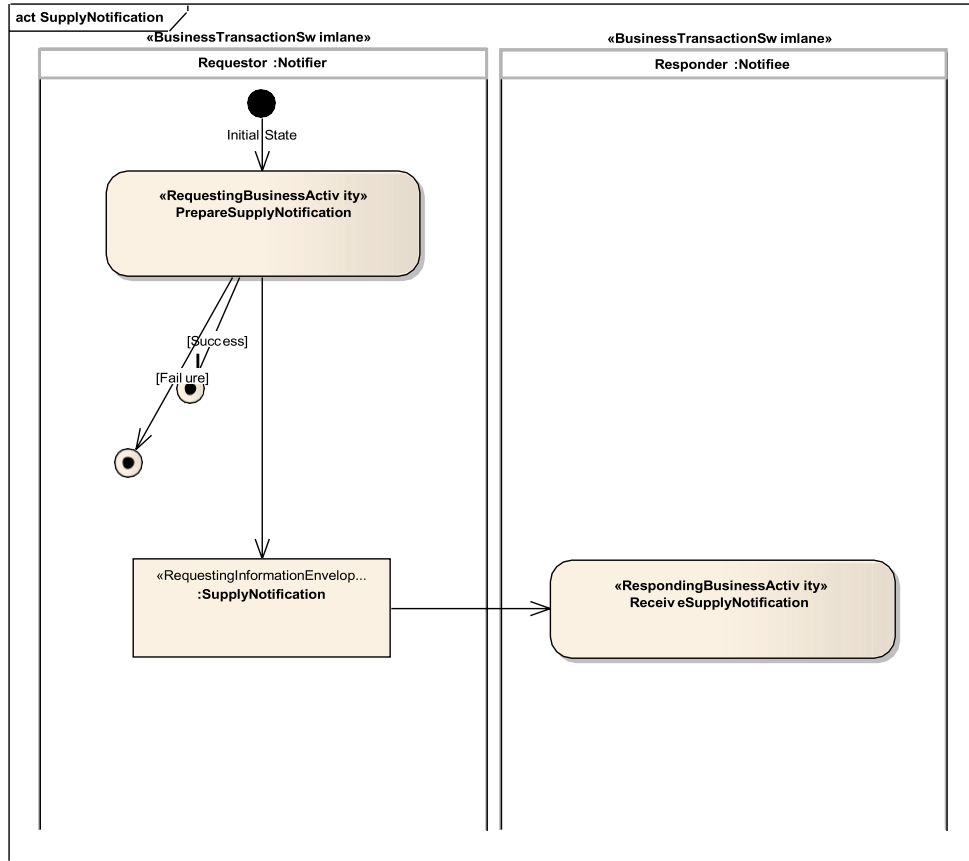


Figure 5-19 Business Transaction Activity Diagram

### 5.2.4. Inventory Forecast (Business Transaction)

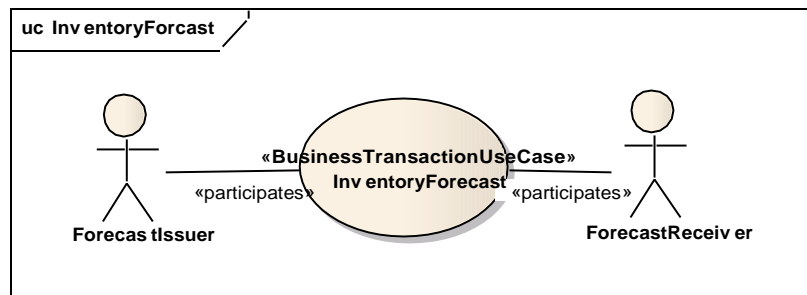
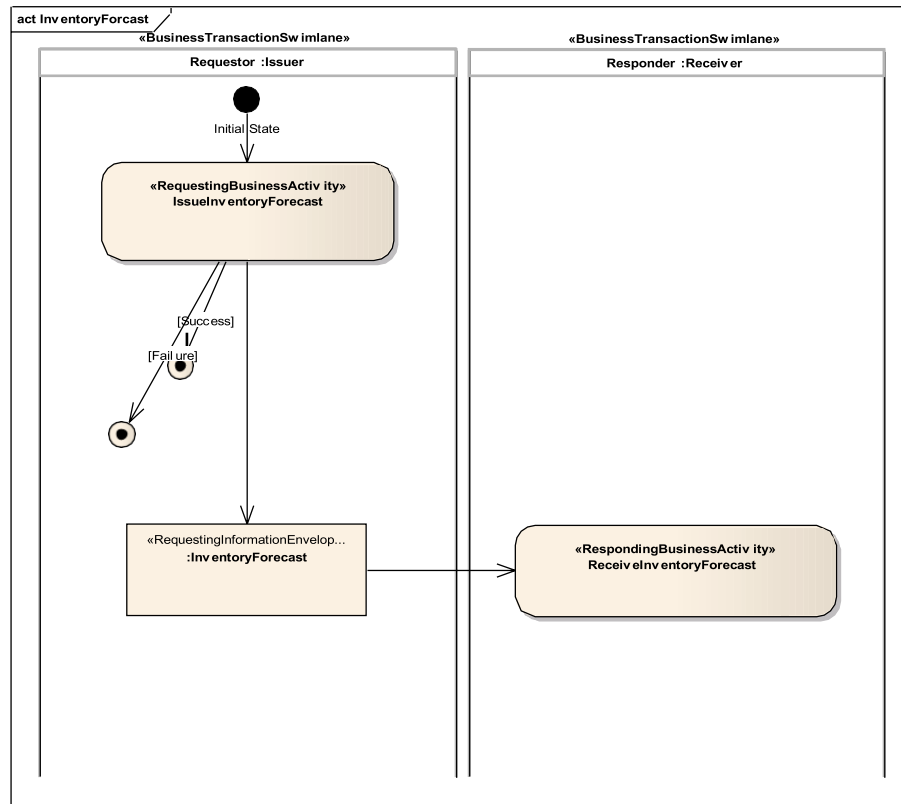


Figure 5-20 Business Transaction Use Case Diagram



**Table 5-4** Business Transaction Use Case Description

<b>Identifier</b>	Inventory Forecast
<b>Business Message Type</b>	Inventory Forecast
<b>Description</b>	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.
<b>Partner Types</b>	Customer, Supplier
<b>Authorized Roles</b>	Forecast Issuer, Forecast Receiver
<b>Legal Implications</b>	
<b>Initial/Terminal Events</b>	
<b>Scope</b>	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.
<b>Boundary</b>	
<b>Constraints</b>	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

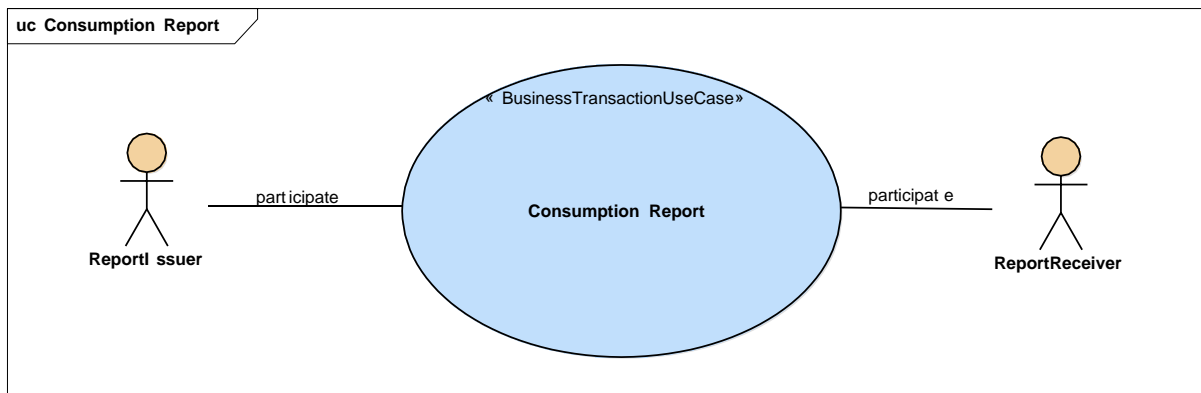
**Principles**

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**

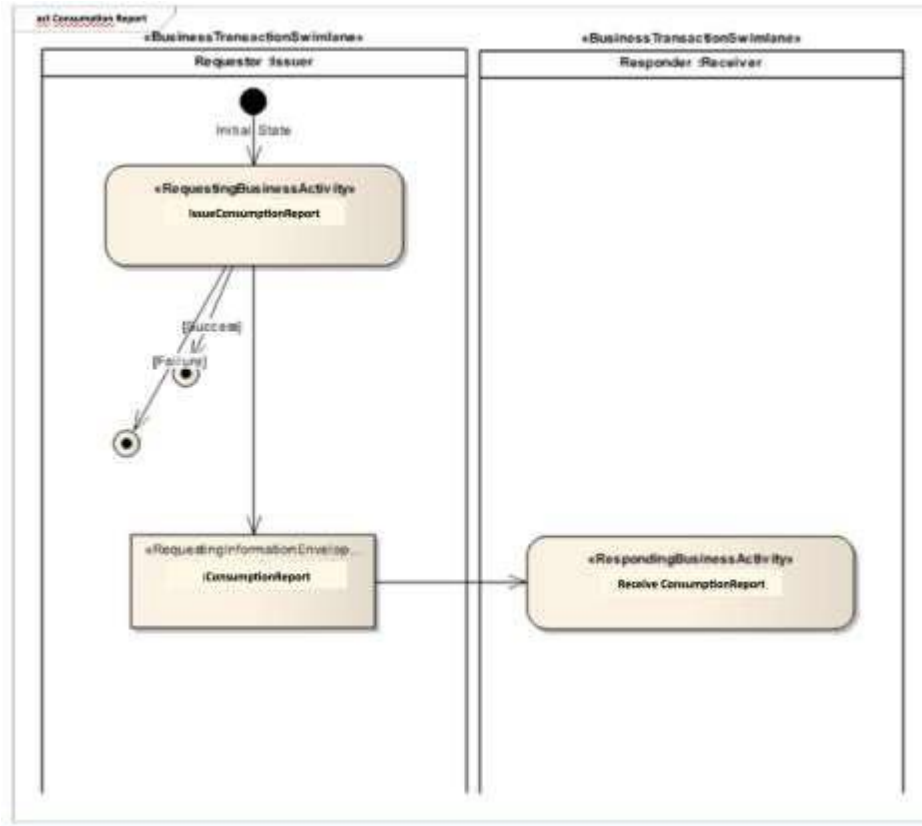


**Figure 5-22** Business Transaction Use Case Diagram

**Table 5-5** Business Transaction Use Case Description

Business Transaction Use Case Description	
<b>Identifier</b>	Consumption Report
<b>Business Message Type</b>	Consumption Report
<b>Description</b>	The Customer recognises a need to provide the Consumption Report specifying the Consumption of inventory, (quantities and times). The Supplier receives the Consumption Report.
<b>Partner Types</b>	Customer, Supplier
<b>Authorized Roles</b>	Report Issuer, Report Receiver
<b>Legal Implications</b>	
<b>Initial/Terminal Events</b>	
<b>Scope</b>	Purchase orders/contracts have been placed/agreed between Customer and Supplier. Both parties have agreed to exchange the Consumption Report.
<b>Boundary</b>	

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

### Principles

The invoice (or self-billing invoice) will be based on the information provided in the ConsumptionReport 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	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
SCH	BRS			
DFO	Demand Forecast			
	<b>(HEADER LEVEL) Forecast Message</b>			
0001	0..1	Exchanged Document Context	The set of context parameters specified for a use of this master message assembly	(Association to)
0002	0..1	Exchanged Document	A group of trade line items, trade agreement, trade delivery and trade settlement details.	(Association to)
0003	0..1	Trade Transaction	A collection of data for a piece of written, printed or electronic matter that provides information or evidence.	(Association to)
	<b>(Document) Exchanged Document</b>			
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	
0102	0..1	Last change date	The last date on which Demand Forecast was sent.	
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
	<b>Trade Transaction</b>			
0201	0..1	Acknowledgment response code	Specifies the type of Response that the Buyer requires from the Seller.	"UN/CEFACT EDED D.04B - 1229 - Action request/notification description code"

UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
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	<b>Trade Agreement</b>	Trade agreement details applicable to this trade transaction such as payment or delivery terms.	(Association to)
0205	0..*	<b>Trade Line Item</b>	A trade delivery header applicable to this supply chain trade transaction.	(Association to)
0206	0..1	<b>Trade Delivery</b>	A trade delivery header applicable to this supply chain trade transaction.	(Association to)
0207	0..*	<b>Forecast Delivery Schedule</b>	Delivery scheduling details for this trade transaction.	(Association to)
		<b>Trade Agreement</b>		
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	<b>Buyer</b>	The entity contains the details of the buyer.	(Association to)
0305	0..1	<b>Customer End User</b>	The entity contains the details of the Customer.	(Association to)
0306	0..1	<b>Seller</b>	The entity contains the details of the seller.	(Association to)
0307	0..*	<b>Additional Referenced</b>	The unique identifier assigned to any additional document.	(Association to)
0308	0..*	<b>Contract Referenced</b>	(Association to Common Package) The unique identification assigned by the issuer to a commercial contract.	(Association to)
0309	0..1	<b>Quotation Referenced</b>	A referenced document for this trade agreement.	(Association to)
0310	0..1	<b>Demand Forecast Referenced</b>	The code specifying the type of the Demand Forecast. Values: Forecast : Firm and forecast	(Association to)
0311	0..*	<b>Customer Order Referenced</b>	A referenced document for this trade agreement.	(Association to)

UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0312	0..1	<b>Trade Delivery Terms</b>	The terms of delivery applicable to this trade agreement.	(Association to)
0313	0..1	<b>Forecast</b>	A forecast specified for or in this trade agreement.	(Association to)
<b>Trade Line Item</b>				
0401	1..1	<b>Document Line Document</b>	The document details for the trade line item	(Association to)
0402	0..1	<b>Line Trade Agreement</b>	The trade agreement specified for the trade line item	(Association to)
0403	0..1	<b>Line Trade Delivery</b>	The trade delivery specified for the trade line item	(Association to)
0404	0..*	<b>Substituted Trade Product</b>	A product which can substitute the initial product	(Association to)
0405	0..1	<b>Trade Product</b>	The product details for the trade line item	(Association to)
<b>Line Trade Agreement</b>				
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	<b>Buyer</b>	The entity contains the details of the buyer.	(Association to)
0505	0..1	<b>Customer End User</b>	The entity contains the details of the Customer.	(Association to)
0506	0..1	<b>Seller</b>	The entity contains the details of the seller.	(Association to)
0507	0..*	<b>Additional Referenced</b>	The unique identifier assigned to any additional document.	(Association to)
0508	0..*	<b>Contract Referenced</b>	The unique identification assigned by the issuer to a commercial contract.	(Association to)
0509	0..1	<b>Quotation Referenced</b>	A referenced document for this trade agreement.	(Association to)

UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0510	0..1	<b>Demand Forecast Referenced</b>	The code specifying the type of the Demand Forecast. Values: Forecast : Firm and forecast	(Association to)
0511	0..*	<b>Customer Order Referenced</b>	A referenced document for this trade agreement.	((Association to)
0512	0..1	<b>Trade Delivery Terms</b>	The terms of delivery applicable to this trade agreement.	((Association to)
0514	0..1	<b>Forecast</b>	A forecast specified for or in this trade agreement.	(Association to)
<b>Line Trade Delivery</b>				
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	Crđ	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 product units in this trade delivery	
0617	0..*	<b>Final destination</b>	A country of final destination of this trade delivery	(Association to)
0618	0..1	<b>Delivery</b>	Instruction for delivery for this trade delivery	(Association to)
0619	0..*	<b>Regulated Goods</b>	Regulated goods information for this trade delivery	(Association to)
0620	0..*	<b>Trade Supply Plan</b>	A supply plan specified for this trade delivery	(Association to)
0621	0..*	<b>Delivery Adjustment</b>	An adjustment specified for this trade delivery	(Association to)
0622	0..1	<b>Ship To</b>	The entity contains the details of the ship to party.	(Association to)
0623	0..1	<b>Ship From</b>	The entity contains the details of the ship from party.	(Association to)
0624	0..*	<b>Additional Referenced</b>	A referenced document for this trade delivery	(Association to)
0625	0..*	<b>Requested Despach</b>	A despach event for this trade delivery.	(Association to)
0626	0..1	<b>Planned Despach</b>	A despach event for this trade delivery.	(Association to)
0627	0..1	<b>Actual Despach</b>	A despach event for this trade delivery.	(Association to)
0628	0..1	<b>Planned Release</b>	An event of release of this trade delivery.	(Association to)
0629	0..1	<b>Actual Release</b>	An event of release of this trade delivery.	(Association to)
0630	0..1	<b>Actual Receipt</b>	An event of receipt of this trade delivery.	(Association to)
0631	0..1	<b>Requested Delivery</b>	An event of delivery of this trade delivery.	(Association to)
0632	0..1	<b>Planned Delivery</b>	An event of delivery of this trade delivery.	(Association to)
0633	0..1	<b>Actual Delivery</b>	An event of delivery of this trade delivery.	(Association to)



UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
<b>Forecast Delivery Schedule</b>				
0701	0..1	Schedule Scope	The scope of this delivery schedule	
0702	0..1	<b>Ship To Party</b>	The Ship To Party of this delivery schedule	(Association to)
0703	1..*	<b>Trade Line Item</b>	A collection of information specific to an item being used or reported on for trade purposes.	(Association to)
<b>Trade Line Item</b>				
801	0..*	General Description	A textual description providing general information for this trade line item.	
802	0..1	Instruction Update Action Code	A coded information on how to update the delivery schedule	
803	1..1	<b>Trade Product</b>	The product details for the trade line item	(Association to)
804	0..*	<b>Package</b>	A physical logistics package for this supply chain trade line item.	(Association to)
805	0..*	<b>Referenced Document</b>	A document referenced for this supply chain trade line item.	(Association to)
806	1..1	<b>Trade Agreement</b>		(Association to)
807	1..1	<b>Trade Delivery</b>		(Association to)
809	0..1	<b>Trade Settlement</b>		(Association to)
<b>Trade Agreement</b>				
901	0..1	Forecast Frequency	A code specifying a frequency in these supply chain forecast.	

UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
902	0..*	<b>Referenced Document</b>	An additional document referenced in this line trade agreement.	
903	0..*	<b>Product Net Price</b>	A net product price in this line trade agreement.	
904	0..1	<b>Manufacturing Party</b>	A manufacturer party for this line trade agreement.	
<b>Trade Delivery</b>				
1001	0..1	Maximum stackability weight		
1002	0..*	<b>Supply Plan</b>	A supply plan, at line level, projected for this trade delivery.	(Association to)
1003	0..*	<b>Related Consignment Information</b>	A consignment, at line level, related to this line trade delivery.	(Association to)
1004	0..*	<b>Handling Instructions</b>	Handling instructions, at line level, specified for this trade delivery.	(Association to)
1006	0..*	<b>Actual Despatch Event</b>	An actual despatch event, at line level, for this trade delivery	To communicate last received shipments for accrual purposes
1007	0..*	<b>Despatch Advice Document</b>	The despatch advice document, at line level, referenced for this trade delivery.	(Association to)
1008	0..1	<b>Dangerous Goods Information</b>	The transport dangerous goods details, at line level, applicable to this trade delivery.	(Association to)
1009	0..1	<b>Unloading Location</b>	The unloading logistics location for this delivery.	(Association to)
1010	0..1	<b>Loading Location</b>	The loading logistics location for this delivery.	(Association to)

### 5.3.2. Demand Forecast Response (DFR)

Table 5-7 Business Requirements List

UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
SCH	BRS			
DFR	Demand Forecast Response			
	<b>(HEADER LEVEL) Forecast Message Response</b>			
0001	0..1	<b>Exchanged Document</b>	A group of trade line items, trade agreement, trade delivery and trade settlement details.	(Association to Common Package)
0002	0..1	<b>Trade Transaction</b>	A collection of data for a piece of written, printed or electronic matter that provides information or evidence.	(Association to)
	<b>(Document) Exchanged Document</b>			
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	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
	<b>Trade Transaction</b>			

UID	Crđ	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	<b>Trade Agreement</b>	Trade agreement details applicable to this trade transaction.	(Association to)
0205	0..*	<b>Trade Line Item</b>	A trade line item included in this trade transaction.	(Association to)
		<b>Trade Agreement</b>		
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	<b>Buyer</b>	The entity contains the details of the buyer.	(Associated to Common)
0305	0..1	<b>Customer End User</b>	The entity contains the details of the Customer.	(Associated to Common)
0306	0..1	<b>Seller</b>	The entity contains the details of the seller.	(Associated to Common)
0307	0..*	<b>Additional Referenced</b>	The unique identifier assigned to any additional document.	See TRD-DOC-Doc (Associated to Common)
0308	0..*	<b>Contract Referenced</b>	The unique identification assigned by the issuer to a commercial contract.	See TRD-DOC-Doc (Associated to Common)
0309	0..1	<b>Quotation Referenced</b>	A quotation document referenced for this trade agreement.	(Associated to Common)
0310	0..1	<b>Demand Forecast Referenced</b>	The demand forecast document referenced for this trade agreement.	(Associated to Common)
0311	0..*	<b>Customer Order Referenced</b>	A customer order document referenced for this trade agreement.	(Associated to Common)
0312	0..1	<b>Trade Delivery Terms</b>	The terms of delivery applicable to this trade agreement.	(Associated to Common)

UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0313	0..1	<b>Forecast</b>	A forecast specified for or in this trade agreement.	(Associated to Common)
<b>Trade Line Item</b>				
0401	1..1	<b>Document Line Document</b>	The document details for the trade line item.	(Associated to Common)
0402	0..1	<b>Line Trade Agreement</b>	The trade agreement specified for the trade line item.	(Associated to Line Trade Agreement)
0403	0..1	<b>Line Trade Delivery</b>	The trade delivery specified for the trade line item.	(Associated to Line Trade Delivery)
0404	0..*	<b>Substituted Trade Product</b>	A product which is substituted for the trade line item.	(Associated to Common)
0405	0..1	<b>Trade Product</b>	The product details for the trade line item.	(Associated to Common)
<b>Line Trade Agreement</b>				
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	<b>Buyer</b>	The entity contains the details of the buyer.	(Associated to Common)
0505	0..1	<b>Customer End User</b>	The entity contains the details of the Customer.	(Associated to Common)
0506	0..1	<b>Seller</b>	The entity contains the details of the seller.	(Associated to Common)
0507	0..*	<b>Additional Referenced</b>	A additional document referenced for the trade agreement. The unique identifier assigned to any additional document.	See TRD-DOC-Doc (Associated to Common)
0508	0..*	<b>Contract Referenced</b>	A contract document referenced for the trade agreement. The unique identification assigned by the issuer to a commercial contract.	See TRD-DOC-Doc (Associated to Common)
0509	0..1	<b>Quotation Referenced</b>	A quotation document referenced for this trade agreement.	(Associated to Common)
0510	0..1	<b>Demand Forecast Referenced</b>	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..*	<b>Customer Order Referenced</b>	A customer order document referenced for this trade agreement.	(Associated to Common)
0512	0..1	<b>Trade Delivery Terms</b>	The terms of delivery applicable to this trade agreement.	(Associated to Common)
0514	0..1	<b>Forecast</b>	A forecast specified for or in this trade agreement.	(Associated to Common)
<b>Line Trade Delivery</b>				
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 product units in this trade delivery.	
0617	0..*	<b>Final destination</b>	A country of final destination of this trade delivery.	(Association to Common)

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

### 5.3.3. Inventory Forecast (IFO)

Table 5-3 Business Requirements List

UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
SCH	BRS			
IFO		Inventory Forecast		
		<b>(HEADER LEVEL) Forecast Message</b>		
0001	0..1	<b>Exchanged Document</b>	A group of trade line items, trade agreement, trade delivery and trade settlement details.	(Association to Common Package)
0002	0..1	<b>Trade Transaction</b>	A collection of data for a piece of written, printed or electronic matter that provides information or evidence.	(Association to)
		<b>(Document) Exchanged Document</b>		
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	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
		<b>Trade Transaction</b>		
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	<b>Trade Agreement</b>	Trade agreement details applicable to this trade transaction such as payment or delivery terms.	(Association to)
0205	0..*	<b>Trade Line Item</b>	A trade line item included in this trade transaction.	(Association to)



UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
<b>Trade Agreement</b>				
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	<b>Buyer</b>	The entity contains the details of the buyer.	(Associated to Common)
0306	0..1	<b>Customer End User</b>	The entity contains the details of the Customer.	(Associated to Common)
0307	0..1	<b>Seller</b>	The entity contains the details of the seller.	(Associated to Common)
0308	0..*	<b>Additional Referenced</b>	An additional document referenced for the The trade line item. The unique identifier assigned to any additional document.	See TRD-DOC-Doc (Associated to Common)
0309	0..*	<b>Contract Referenced</b>	A contract document referenced for the trade line item. The unique identification assigned by the issuer to a commercial contract.	See TRD-DOC-Doc (Associated to Common)
0310	0..1	<b>Demand Forecast Referenced</b>	The demand forecast document referenced for this trade agreement.	(Associated to Common)
0311	0..1	<b>Trade Delivery Terms</b>	The terms of delivery applicable to this trade agreement.	(Associated to Common)
0312	0..1	<b>Forecast</b>	A forecast specified for or in this trade agreement.	(Associated to Common)
<b>Trade Line Item</b>				
0401	1..1	<b>Document Line Document</b>	The document details for the trade line item	(Associated to Common)
0402	0..1	<b>Line Trade Agreement</b>	The trade agreement specified for the trade line item.	(Associated to Line Trade Agreement)
0403	0..1	<b>Line Trade Delivery</b>	The trade delivery specified for the trade line item.	(Associated to Line Trade Delivery)
0404	0..*	<b>Substituted Trade Product</b>	A product which is substituted for the trade line item.	(Associated to Common)

UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0405	0..1	<b>Trade Product</b>	The product details for the trade line item.	(Associated to Common)
<b>Line Trade Agreement</b>				
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	<b>Buyer</b>	The entity contains the details of the buyer.	(Associated to Common)
0505	0..1	<b>Customer End User</b>	The entity contains the details of the Customer.	(Associated to Common)
0506	0..1	<b>Seller</b>	The entity contains the details of the seller.	(Associated to Common)
0507	0..*	<b>Additional Referenced</b>	An additional document referenced for the trade agreement. The unique identifier assigned to any additional document.	See TRD-DOC-Doc (Associated to Common)
0508	0..*	<b>Contract Referenced</b>	The contract document referenced for the trade agreement. The unique identification assigned by the issuer to a commercial contract.	See TRD-DOC-Doc (Associated to Common)
0509	0..1	<b>Demand Forecast Referenced</b>	The demand forecast document referenced for this trade agreement.	(Associated to Common)
0510	0..1	<b>Trade Delivery Terms</b>	The terms of delivery applicable to this trade agreement.	(Associated to Common)
0511	0..1	<b>Forecast</b>	A forecast specified for or in this trade agreement.	(Associated to Common)
<b>Line Trade Delivery</b>				
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..*	<b>Final destination</b>	A country of final destination of this trade delivery.	(Association to Common)
0604	0..1	<b>Delivery</b>	Instruction for delivery for this trade delivery.	(Association to Common)

UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0605	0..*	<b>Regulated Goods</b>	Regulated goods information for this trade delivery.	(Association to Common)
0606	1..1	<b>Line Trade Inventory</b>	The entity specified the projected inventory.	(Association to)
0607	0..*	<b>Delivery Adjustment</b>	An adjustment specified for this trade delivery.	(Association to Common)
0608	0..1	<b>Ship To</b>	The entity contains the details of the ship to party.	(Association to Common)
0609	0..1	<b>Ship From</b>	The entity contains the details of the ship from party.	(Association to Common)
0610	0..*	<b>Additional Referenced</b>	An additional document referenced for this trade delivery.	(Association to Common)
0611	0..1	<b>Planned Delivery</b>	An event of planned delivery of this trade delivery.	(Association to Common)
0612	0..1	<b>Actual Delivery</b>	An event of actual delivery of this trade delivery.	(Association to Common)
0613	0..1	<b>Actual Receipt</b>	An event of actual receipt of this trade delivery.	(Association to Common)
<b>1..1</b>	<b>Line Trade Inventory</b>			
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
<b>SPI</b>	<b>Supply Instruction</b>			
	<b>(HEADER LEVEL) Supply Instruction Message</b>			
0001	0..1	<b>Exchanged Document Context</b>	The set of context parameters specified for a use of this master message assembly.	(Association to)
0002	0..1	<b>Exchanged Document</b>	The header document information for a use of this master message assembly.	(Association to)
0003	0..1	<b>Trade Transaction</b>	A collection of data for a piece of written, printed or electronic matter that provides information or evidence.	(Association to)
	<b>(Document) Exchanged Document</b>			
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	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
0105	0..1	Acknowledgment response code	Specifies the type of Response that the Buyer requires from the Seller.	"UN/CEFACT EDED D.04B - 1229 - Action request/notification description code"
0106	0..1	Type	The code specifying the type of trade transaction.	
0107	0..1	Urgency Status	The code specifying the status of Urgency.	

UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
	<b>Trade Transaction</b>			
0201	0..1	<b>Trade Agreement</b>	Trade agreement details applicable to this trade transaction such as payment or delivery terms.	(Association to)
0202	0..*	<b>Trade Line Item</b>	A trade line item included in this trade transaction.	(Association to)
	<b>Trade Agreement</b>			
0301	0..1	Charge free indicator	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	<b>Buyer</b>	The entity contains the details of the buyer.	(Association to)
0305	0..1	<b>Customer End User</b>	The entity contains the details of the Customer.	(Association to)
0306	0..1	<b>Seller</b>	The entity contains the details of the seller.	(Association to)
0307	0..*	<b>Supply Notification Referenced</b>	A referenced document for this trade agreement.	(Association to)
0308	0..1	<b>Supply Instruction Referenced</b>	A referenced document for this trade agreement.	(Association to)
0309	0..*	<b>Additional Referenced</b>	The unique identifier assigned to any additional document.	(Association to)
0310	0..*	<b>Contract Referenced</b>	The unique identification assigned by the issuer to a commercial contract.	(Association to)
0311	0..1	<b>Quotation Referenced</b>	A referenced document for this trade agreement.	(Association to)
0312	0..1	<b>Demand Forecast Referenced</b>	A demand forecast document referenced in this header trade agreement.	(Association to)
0313	0..*	<b>Customer Order Referenced</b>	A referenced document for this trade agreement.	(Association to)
0314	0..1	<b>Trade Delivery Terms</b>	The terms of delivery applicable to this trade agreement.	(Association to)
	<b>Trade Line Item</b>			
0401	0..1	<b>Document Line Document</b>	The document details for the trade line item	(Association to)
0402	0..1	<b>Line Trade Agreement</b>	The trade agreement specified for the trade line item	(Association to)

UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0403	0..1	<b>Line Trade Delivery</b>	The trade delivery specified for the trade line item	(Association to)
0404	0..1	<b>Line Trade Settlement</b>	The trade settlement specified for the trade line item.	Association to)
0405	0..*	<b>Substituted Trade Product</b>	A product which can substitute the initial product	(Association to)
0406	0..1	<b>Specified Trade Product</b>	The product details for the trade line item	(Association to)
<b>Line Trade Agreement</b>				
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	<b>Buyer</b>	The entity contains the details of the buyer.	(Association to)
0505	0..1	<b>Customer End User</b>	The entity contains the details of the Customer.	(Association to)
0506	0..1	<b>Seller</b>	The entity contains the details of the seller.	(Association to)
0507	0..1	<b>Manufacturer Party</b>	A manufacturer party for this line trade agreement.	(Association to)
0508	0..*	<b>Supply Notification Referenced</b>	A referenced document for this trade agreement.	(Association to)
0509	0..1	<b>Supply Instruction Referenced</b>	A referenced document for this trade agreement.	(Association to)
0510	0..*	<b>Additional Referenced</b>	The unique identifier assigned to any additional document.	(Association to)
0511	0..*	<b>Contract Referenced</b>	(Association to Common Package) The unique identification assigned by the issuer to a commercial contract.	(Association to)
0512	0..1	<b>Quotation Referenced</b>	A referenced document for this trade agreement.	(Association to)
0513	0..1	<b>Demand Forecast Referenced</b>	The code specifying the type of the Demand Forecast. Values: Forecast : Firm and forecast	(Association to)
0514	0..*	<b>Customer Order Referenced</b>	A referenced document for this trade agreement.	(Association to)

UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0515	0..1	<b>Trade Delivery Terms</b>	The terms of delivery applicable to this trade agreement.	(Association to)
	<b>Line Trade Delivery</b>			
0601	0..1	Agreed Quantity	The quantity agreed for this trade delivery	
0602	0..1	Billed Quantity	The quantity billed for this trade delivery.	
0603	0..1	Despatched Quantity	The quantity despatched in this trade delivery.	
0604	0..1	Final Delivery Indicator	The indication of whether or not this trade delivery is the final delivery.	
0605	0..1	Free Goods Quantity	The quantity of free goods in this trade delivery	
0607	0..1	Package Quantity	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 Indicator	The indication of whether this trade delivery can be partially delivered.	
0610	0..1	Received Quantity	The quantity received in this trade delivery.	
0611	0..1	Requested Quantity	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	
0618	0..*	<b>Final destination</b>	A country of final destination of this trade delivery	(Association to)
0619	0..1	<b>Delivery</b>	Instruction for delivery for this trade delivery	(Association to)
0620	0..*	<b>Trade Packaging</b>	Regulated goods information for this trade delivery	(Association to)
0621	0..*	<b>Trade Supply Plan</b>	A supply plan specified for this trade delivery	(Association to)
0622	0..*	<b>Delivery Adjustment</b>	An adjustment specified for this trade delivery	(Association to)
0623	0..1	<b>Ship To</b>	The entity contains the details of the ship to party.	(Association to)



UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0624	0..1	<b>Ship From</b>	The entity contains the details of the ship from party.	(Association to)
0625	0..*	<b>Additional Referenced</b>	A referenced document for this trade delivery	(Association to)
0626	0..1	<b>Despatch Advice Referenced</b>	A referenced document for this trade delivery.	(Association to)
0627	0..1	<b>Receiving Advice Referenced</b>	Receiving A referenced document for this trade delivery.	(Association to)
0628	0..*	<b>Requested Despatch</b>	A despatch event for this trade delivery.	(Association to)
0629	0..1	<b>Planned Despatch</b>	A despatch event for this trade delivery.	(Association to)
0630	0..1	<b>Actual Despatch</b>	A despatch event for this trade delivery.	(Association to)
0631	0..1	<b>Planned Release</b>	An event of release of this trade delivery.	(Association to)
0632	0..1	<b>Actual Release</b>	An event of release of this trade delivery.	(Association to)
0633	0..1	<b>Actual Receipt</b>	An event of receipt of this trade delivery.	(Association to)
0634	0..1	<b>Requested Delivery</b>	An event of delivery of this trade delivery.	(Association to)
0635	0..1	<b>Planned Delivery</b>	An event of delivery of this trade delivery.	(Association to)
0636	0..1	<b>Actual Delivery</b>	An event of delivery of this trade delivery.	(Association to)
0637	0..1	<b>Logistics Identification Tag</b>	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	<b>Tag Segment</b>	Segment of Tag.	
0642	0..1	Identifier	Identifier of Tag Segment.	
0643	0..1	Pattern	Pattern code of Tag Segment.	
0644	0..n	<b>Segment Building Block</b>	A part composing the segment.	
0645	0..1	Identifier	Identifier of Segment BuildingBlock.	
0646	0..1	Marking Type	Marking type code of Segment Building Block.	
0647	0..1	Text	Text for Segment BuildingBlock.	

0648	0..1	<b>Binary Object</b>	Bar code or QR code of Segment Building Block.	
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### 5.3.5. Supply Notification (SPN)

Table 5-9 Business Requirements List

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

UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0002	0..1	<b>Trade Transaction</b>	A collection of data for a piece of written, printed or electronic matter that provides information or evidence.	(Association to)
<b>(Document) Exchanged Document</b>				
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	
0102	0..1	Last change date	The last date on which Demand Forecast was sent.	
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
<b>Trade Transaction</b>				
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	<b>Trade Agreement</b>	Trade agreement details applicable to this trade transaction.	(Association to)
0205	0..*	<b>Trade Line Item</b>	A trade line item included in this trade transaction.	(Association to)
<b>Trade Agreement</b>				
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	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0304	0..1	<b>Buyer</b>	The entity contains the details of the buyer.	(Association to)
0305	0..1	<b>Customer End User</b>	The entity contains the details of the Customer.	(Association to)
0306	0..1	<b>Seller</b>	The entity contains the details of the seller.	(Association to)
0307	0..*	<b>Supply Notification Referenced</b>	A supply notification document referenced for this trade agreement.	(Association to)
0308	0..1	<b>Supply Instruction Referenced</b>	A supply instruction document referenced for this trade agreement.	(Association to)
0309	0..*	<b>Additional Referenced</b>	An additional document referenced for the trade agreement. The unique identifier assigned to any additional document.	(Association to)
0310	0..*	<b>Contract Referenced</b>	A contract document referenced for the trade agreement. The unique identification assigned by the issuer to a commercial contract.	(Association to)
0311	0..1	<b>Demand Forecast Referenced</b>	The demand forecast document referenced for this trade agreement.	(Association to)
0312	0..1	<b>Trade Delivery Terms</b>	The terms of delivery applicable to this trade agreement.	(Association to)
		<b>Trade Line Item</b>		
0313	1..1	<b>Document Line Document</b>	The document details for the trade line item	(Association to)
0314	0..1	<b>Line Trade Agreement</b>	The trade agreement specified for the trade line item.	(Association to)
0315	0..1	<b>Line Trade Delivery</b>	The trade delivery specified for the trade line item	(Association to)
0316	0..*	<b>Substituted Trade Product</b>	A product which is substituted for the trade line item.	(Association to)
0317	0..1	<b>Specified Trade Product</b>	The product details for the trade line item.	(Association to)
		<b>Line Trade Agreement</b>		
0401	0..1	Charge Free	The indication of whether or not the product is free of charge.	

UID	Crđ	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	<b>Buyer</b>	The entity contains the details of the buyer.	(Association to)
0405	0..1	<b>Customer End User</b>	The entity contains the details of the Customer.	(Association to)
0406	0..1	<b>Seller</b>	The entity contains the details of the seller.	(Association to)
0407	0..*	<b>Supply Notification Referenced</b>	A supply notification document referenced for this trade agreement.	(Association to)
0408	0..1	<b>Supply Instruction Referenced</b>	A supply instruction document referenced for this trade agreement.	(Association to)
0409	0..*	<b>Additional Referenced</b>	An additional document referenced for the trade agreement. The unique identifier assigned to any additional document.	(Association to)
0410	0..*	<b>Contract Referenced</b>	A contract document referenced for the trade agreement. The unique identification assigned by the issuer to a commercial contract.	(Association to)
0411	0..1	<b>Demand Forecast Referenced</b>	The demand forecast document referenced for this trade agreement.	(Association to)
0412	0..1	<b>Trade Delivery Terms</b>	The terms of delivery applicable to this trade agreement.	(Association to)
		<b>Line Trade Delivery</b>		
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	Crđ	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..*	<b>Final destination</b>	A country of final destination of this trade delivery.	(Association to)
0511	0..1	<b>Delivery</b>	Instruction for delivery for this trade delivery.	(Association to)
0512	0..*	<b>Trade Packaging</b>	Packaging information for this trade delivery.	(Association to)
0513	1..1	<b>Line Trade Inventory</b>	The entity specified the projected inventory.	(Association to)
0514	0..*	<b>Delivery Adjustment</b>	An adjustment specified for this trade delivery.	(Association to)
0515	0..1	<b>Ship To</b>	The entity contains the details of the ship to party.	(Association to)
0516	0..1	<b>Ship From</b>	The entity contains the details of the ship from party.	(Association to)
0517	0..*	<b>Additional Referenced</b>	An additional document referenced for this trade delivery.	(Association to)
0518	0..1	<b>Despatch Advice Referenced</b>	A despatch advice document referenced for this trade delivery.	(Association to)
0519	0..1	<b>Receiving Advice Referenced</b>	A receiving advice document referenced for this trade delivery.	(Association to)
0520	0..1	<b>Planned Delivery</b>	An event of planned delivery of this trade delivery.	

### 5.3.6. Consumption Report (CR)

Table 5-10 Business Requirements List

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

UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0001	0..1	<b>Exchanged Document</b>	A group of trade line items, trade agreement, trade delivery and trade settlement details.	(Association to)
0002	0..1	<b>Trade Transaction</b>	A collection of data for a piece of written, printed or electronic matter that provides information or evidence.	(Association to)
<b>(Document) Exchanged Document</b>				
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	
0102	0..1	Last change date	The last date on which Consumption Report was sent.	
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
<b>Trade Transaction</b>				
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	<b>Trade Agreement</b>	Trade agreement details applicable to this trade transaction.	(Association to)
0205	0..*	<b>Trade Delivery</b>	Trade delivery details applicable to this trade transaction.	(Association to)
0206	0..1	<b>Trade Settlement</b>	Trade settlement details applicable to this trade transaction.	(Association to)
0207	0..*	<b>Trade Line Item</b>	A trade line item included in this trade transaction.	(Association to)
<b>Trade Agreement</b>				

UID	Crđ	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	<b>Buyer</b>	The entity contains the details of the buyer.	(Association to)
0305	0..1	<b>Customer End User</b>	The entity contains the details of the Customer.	(Association to)
0306	0..1	<b>Seller</b>	The entity contains the details of the seller.	(Association to)
0307	0..*	<b>Supply Notification Referenced</b>	A supply notification document referenced for this trade agreement.	(Association to)
0308	0..1	<b>Supply Instruction Referenced</b>	A supply instruction document referenced for this trade agreement.	(Association to)
0309	0..*	<b>Additional Referenced</b>	An additional document referenced for the trade agreement. The unique identifier assigned to any additional document.	(Association to)
0310	0..*	<b>Contract Referenced</b>	A contract document referenced for the trade agreement. The unique identification assigned by the issuer to a commercial contract.	(Association to)
0311	0..1	<b>Quotation Referenced</b>	A quotation document referenced for this trade agreement.	(Association to)
0312	0..1	<b>Demand Forecast Referenced</b>	The demand forecast document referenced for this trade agreement.	(Association to)
0313	0..*	<b>Customer Order Referenced</b>	A customer order document referenced for this trade agreement.	(Association to)
0314	0..1	<b>Trade Delivery Terms</b>	The terms of delivery applicable to this trade agreement.	(Association to)
	<b>Trade Line Item</b>			
0401	1..1	<b>Document Line Document</b>	The document details for the trade line item	(Association to)



UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0402	0..1	<b>Line Trade Agreement</b>	The trade agreement specified for the trade line item.	(Association to)
0403	0..1	<b>Line Trade Delivery</b>	The trade delivery specified for the trade line item	(Association to)
0405	0..1	<b>Specified Trade Product</b>	The product details for the trade line item.	(Association to)
	0..*	<b>Logistics_Package</b>	Identification of Package, Physical information as measure and Weight, details of contents as Item quantities, Numeric sequence, identifier and series identifiers and free Text	(Association to)
<b>Line Trade Agreement</b>				
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	<b>Buyer</b>	The entity contains the details of the buyer.	(Association to)
0505	0..1	<b>Customer End User</b>	The entity contains the details of the Customer.	(Association to)
0506	0..1	<b>Seller</b>	The entity contains the details of the seller.	(Association to)
0507	0..*	<b>Supply Notification Referenced</b>	A supply notification document referenced for this trade agreement.	(Association to)
0508	0..1	<b>Consumption Report Referenced</b>	A consumption report referenced for this trade agreement.	(Association to)
0509	0..*	<b>Additional Referenced</b>	An additional document referenced for the trade agreement. The unique identifier assigned to any additional document.	(Association to)
0510	0..*	<b>Contract Referenced</b>	A contract document referenced for the trade agreement. The unique identification assigned by the issuer to a commercial contract.	(Association to)

UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0511	0..1	<b>Quotation Referenced</b>	A quotation document referenced for this trade agreement.	(Association to)
0512	0..1	<b>Demand Forecast Referenced</b>	The demand forecast document referenced for this trade agreement.	(Association to)
0513	0..*	<b>Customer Order Referenced</b>	A customer order document referenced for this trade agreement.	(Association to)
0514	0..1	<b>Trade Delivery Terms</b>	The terms of delivery applicable to this trade agreement.	(Association to)
<b>Line Trade Delivery</b>				
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	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0618	0..*	<b>Final destination</b>	A country of final destination of this trade delivery.	(Association to)
0619	0..1	<b>Delivery</b>	Instruction for delivery for this trade delivery.	(Association to)
0620	0..*	<b>Trade Packaging</b>	Packaging information for this trade delivery.	(Association to)
0621	0..*	<b>Trade Supply Plan</b>	A supply plan specified for this trade delivery.	(Association to)
0622	0..*	<b>Delivery Adjustment</b>	An adjustment specified for this trade delivery.	(Association to)
0623	0..1	<b>Ship To</b>	The entity contains the details of the ship to party.	(Association to)
0624	0..1	<b>Ship From</b>	The entity contains the details of the ship from party.	(Association to)
0625	0..*	<b>Additional Referenced</b>	An additional document referenced for this trade delivery	(Association to)
0626	0..1	<b>Despatch Advice Referenced</b>	A despatch advice document referenced for this trade delivery.	(Association to)
0627	0..1	<b>Receiving Advice Referenced</b>	A receiving advice document referenced for this trade delivery.	(Association to)
0628	0..*	<b>Requested Despatch</b>	A requested despatch event for this trade delivery.	(Association to)
0629	0..1	<b>Planned Despatch</b>	A planned despatch event for this trade delivery.	(Association to)
0630	0..1	<b>Actual Despatch</b>	An actual despatch event for this trade delivery.	(Association to)
0631	0..1	<b>Planned Release</b>	A planned release event for of this trade delivery.	(Association to)
0632	0..1	<b>Actual Release</b>	An actual release event for of this trade delivery.	(Association to)
0633	0..1	<b>Actual Receipt</b>	An event of actual receipt of this trade delivery.	(Association to)
0634	0..1	<b>Requested Delivery</b>	An event of requested delivery of this trade delivery.	(Association to)
0635	0..1	<b>Planned Delivery</b>	An event of planned delivery of this trade delivery.	(Association to)
0636	0..1	<b>Actual Delivery</b>	An event of actual delivery of this trade delivery.	(Association to)
	<b>Supply Chain Schedule</b>			
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