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Simple, Transparent and Effective Processes
For Global Commerce

BUSINESS REQUIREMENTS SPECIFICATION (BRS)

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Business Process: Scheduling Process

Title: Cross Industry Scheduling Process

UN/CEFACT International Trade and Business Processes Group: TBG1

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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.

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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) – 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, Boost-Aero, 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)
- 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, Synchronised, 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..



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 system and are sent to the supplier with the Supply Instruction process.

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 the contents of 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.

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 futur 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



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

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 based on Inventory Forecasting. The Supplier can freely deliver within these indicated ranges. These ranges may be updated within the VMI process, within limits defined in the contract between Customer and Supplier.

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). 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 synchronisation 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

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

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

Business Transaction Use Case Description	
Identifier	Inventory Forecast

Business Message Type	Inventory Forecast
Description	<p>The Customer recognises a need to provide the Inventory Forecast specifying the short term inventory forecasting, (quantities and times) and actual inventory levels.</p> <p>The Supplier receives the Inventory Forecast.</p>
Partner Types	Customer, Supplier
Authorized Roles	Forecast Issuer, Forecast Receiver
Legal Implications	
Initial/Terminal Events	
Scope	<p>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.</p>
Boundary	
Constraints	<p>The Customer shall have full traceability of his Inventory Forecast message to make sure it has been received.</p> <p>Failing this technical acknowledgement, the Customer shall re-issue his Inventory Forecast message</p>

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.

5.3. Information Model Definition

5.3.1. Demand Forecast (DFO)

Table 5-5 Business Requirements List

UID	Crđ	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/CEFACT EDED D.04B - 1229 - Action request/notification description code"
0202	0..1	Type	The code specifying the type of trade transaction.	

UID	Crđ	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 such as payment or delivery terms.	(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	(Association to Common Package) 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 referenced document for this trade agreement.	(Associated to Common)
0310	0..1	Demand Forecast Referenced	The code specifying the type of the Demand Forecast. Values: Forecast : Firm and forecast	(Associated to Common)
0311	0..*	Customer Order Referenced	A referenced document 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	Crđ	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..*	Trade Product	A product which can substitute the initial product	(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 referenced document 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 code specifying the type of the Demand Forecast. Values: Forecast : Firm and forecast	(Associated to Common)
0511	0..*	Customer Order Referenced	A referenced document 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	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..*	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..*	Additional Referenced	A referenced document for this trade delivery	(Association to Common)
0625	0..*	Requested Despatch	A despatch event for this trade delivery.	(Association to Common)
0626	0..1	Planned Despatch	A despatch event for this trade delivery.	(Association to Common)
0627	0..1	Actual Despatch	A despatch event for this trade delivery.	(Association to Common)
0628	0..1	Planned Release	An event of release of this trade delivery.	(Association to Common)
0629	0..1	Actual Release	An event of release of this trade delivery.	(Association to Common)
0630	0..1	Actual Receipt	An event of receipt of this trade delivery.	(Association to Common)
0631	0..1	Requested Delivery	An event of delivery of this trade delivery.	(Association to Common)
0632	0..1	Planned Delivery	An event of delivery of this trade delivery.	(Association to Common)

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

5.3.2. Demand Forecast Response (DFR)

Table 5-6 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			
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	Crd	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	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)
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	(Association to Common Package) 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 referenced document for this trade agreement.	(Associated to Common)
0310	0..1	Demand Forecast Referenced	The code specifying the type of the Demand Forecast. Values: Forecast : Firm and forecast	(Associated to Common)
0311	0..*	Customer Order Referenced	A referenced document 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..*	Trade Product	A product which can substitute the initial product	(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 referenced document for this trade agreement.	(Associated to Common)
0510	0..1	Demand Forecast Referenced	The code specifying the type of the Demand Forecast. Values: Forecast : Firm and forecast	(Associated to Common)
0511	0..*	Customer Order Referenced	A referenced document for this trade agreement.	(Associated to Common)

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
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 product 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)

UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
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..*	Additional Referenced	A referenced document for this trade delivery	(Association to Common)
0625	0..*	Requested Despatch	A despatch event for this trade delivery.	(Association to Common)
0626	0..1	Planned Despatch	A despatch event for this trade delivery.	(Association to Common)
0627	0..1	Actual Despatch	A despatch event for this trade delivery.	(Association to Common)
0628	0..1	Planned Release	An event of release of this trade delivery.	(Association to Common)
0629	0..1	Actual Release	An event of release of this trade delivery.	(Association to Common)
0630	0..1	Actual Receipt	An event of receipt of this trade delivery.	(Association to Common)
0631	0..1	Requested Delivery	An event of delivery of this trade delivery.	(Association to Common)
0632	0..1	Planned Delivery	An event of delivery of this trade delivery.	(Association to Common)
0633	0..1	Actual Delivery	An event of delivery of this trade delivery.	(Association to Common)

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			
	(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)

UID	Crđ	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/CEFACT 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)
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.	

UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
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	The unique identifier assigned to any additional document.	(Boostaero) See TRD-DOC-Doc (Associated to Common)
0309	0..*	Contract Referenced	(Association to Common Package) 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 code specifying the type of the Demand Forecast. Values: Forecast : Firm and forecast	(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..*	Trade Product	A product which can substitute the initial product	(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)

UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
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	Demand Forecast Referenced	The code specifying the type of the Demand Forecast. Values: Forecast : Firm and forecast	(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)
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..*	Additional Referenced	A referenced document for this trade delivery	(Association to Common)
0611	0..1	Planned Delivery	An event of delivery of this trade delivery.	(Association to Common)
0612	0..1	Actual Delivery	An event of delivery of this trade delivery.	(Association to Common)

UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0613	0..1	Actual Receipt	An event of 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.	
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 5-7 Business Requirements List

UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
SCH	BRS			

UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
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
	Trade Transaction			
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"
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)
	Trade Agreement			
0301	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
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 referenced document for this trade agreement.	(Associated to Common)
0308	0..1	Supply Instruction Referenced	A referenced document 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	(Association to Common Package) 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 referenced document for this trade agreement.	(Associated to Common)
0312	0..1	Demand Forecast Referenced	The code specifying the type of the Demand Forecast. Values: Forecast : Firm and forecast	(Associated to Common)
0313	0..*	Customer Order Referenced	A referenced document 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)
0405	0..*	Substituted Trade Product	A product which can substitute the initial product	(Associated to Common)

UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
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 referenced document for this trade agreement.	(Associated to Common)
0508	0..1	Supply Instruction Referenced	A referenced document for this trade agreement.	(Associated to Common)
0509	0..*	Additional Referenced	The unique identifier assigned to any additional document.	(Boostaero) See TRD-DOC-Doc (Associated to Common)
0510	0..*	Contract Referenced	(Association to Common Package) 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 referenced document for this trade agreement.	(Associated to Common)
0512	0..1	Demand Forecast Referenced	The code specifying the type of the Demand Forecast. Values: Forecast : Firm and forecast	(Associated to Common)
0513	0..*	Customer Order Referenced	A referenced document 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	

UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
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	
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	Regulated goods 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)

UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0625	0..*	Additional Refereced	A referenced document for this trade delivery	(Association to Common)
0626	0..1	Despatch Advice Referenced	A referenced document for this trade delivery.	(Association to Common)
0627	0..1	Receiving Advice Referenced	Receiving A referenced document for this trade delivery.	(Association to Common)
0628	0..*	Requested Despatch	A despatch event for this trade delivery.	(Association to Common)
0629	0..1	Planned Despatch	A despatch event for this trade delivery.	(Association to Common)
0630	0..1	Actual Despatch	A despatch event for this trade delivery.	(Association to Common)
0631	0..1	Planned Release	An event of release of this trade delivery.	(Association to Common)
0632	0..1	Actual Release	An event of release of this trade delivery.	(Association to Common)
0633	0..1	Actual Receipt	An event of receipt of this trade delivery.	(Association to Common)
0634	0..1	Requested Delivery	An event of delivery of this trade delivery.	(Association to Common)
0635	0..1	Planned Delivery	An event of delivery of this trade delivery.	(Association to Common)
0636	0..1	Actual Delivery	An event of delivery of this trade delivery.	(Association to Common)

5.3.5. Supply Notification (SPN)

Table 5-8 Business Requirements List

UID	Crđ	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)
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		

UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
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/CEFACT 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)
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)

UID	Crd	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0307	0..*	Supply Notification Referenced	A referenced document for this trade agreement.	(Associated to Common)
0308	0..1	Supply Instruction Referenced	A referenced document 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	(Association to Common Package) 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 code specifying the type of the Demand Forecast. Values: Forecast : Firm and forecast	(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 can substitute the initial product	(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.	
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)

UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
0406	0..1	Seller	The entity contains the details of the seller.	(BoostAero) (Associated to Common)
0407	0..*	Supply Notification Referenced	A referenced document for this trade agreement.	(Associated to Common)
0408	0..1	Supply Instruction Referenced	A referenced document for this trade agreement.	(Associated to Common)
0409	0..*	Additional Referenced	The unique identifier assigned to any additional document.	(Boostaero) See TRD-DOC-Doc (Associated to Common)
0410	0..*	Contract Referenced	(Association to Common Package) 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 code specifying the type of the Demand Forecast. Values: Forecast : Firm and forecast	(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.	
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	Regulated goods information for this trade delivery	(Association to Common)

UID	Crđ	Short Name	Business Requirement	Rationale / Example / Mapping Notes / Status
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..*	Additional Refereced	A referenced document for this trade delivery	(Association to Common)
0518	0..1	Despatch Advice Referenced	A referenced document for this trade delivery.	(Association to Common)
0519	0..1	Receiving Advice Referenced	Receiving A referenced document for this trade delivery.	(Association to Common)
0520	0..1	Planned Delivery	An event of delivery of this trade delivery.	

5.4. Business Rules

n/a

5.5. Definition of Terms

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