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| AirSupply |
| TECHNICAL GUIDE for suppliers  (Machine-to-Machine - M2M) |
| <XML> |
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|  |
| BoostAeroXML V2.10 message format  Demand Forecast |
|  |
| AirSupply GUI Scheduler Message Type:  10 Forecast / Demand Forecast |
|  |
| Version: 3.1  Date: October 2024 |
|  |
| Document available in English (only) |

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| **Version** | **Date** | **Author** | **Change Log** |
| 2.0 | January 2018 | Saskia Rewitzer | Document wide redesign – for reasons of clarity and comprehensibility  The change log was cleaned as all old references do no longer exist and would have been misleading in regards to upcoming changes. |
| 2.1 | January 2022 | Marc Harazim | Chapter 3.1: Changed header segment name from <asram:ApplicableCIDAHSupplyChainTradeAgreement> to <asram:ApplicableCISSupplyChainTradeAgreement> |
| 2.2 | July 2022 | Marc Harazim | Chapter 2: Added “*FF11*”-“*FF30*” to field “*HeaderFlexCode*”  Chapter 3.2: Added “*FF11*”-“*FF30*” to field “*LineFlexCode*”  Added new allocation “*PN Amendment*” for LineFlexCode “*FF08*” |
| 3.0 | 16.12.2022 | Marc Harazim | Chapter 3.2: Allocated field “*FF11*” to “*Schedule line number*” |
| 3.1 | 23.07.2024 | Lena Weiss | **Changes for PI 2024-3 with go-live October 2024**  Changes with CR 23112102, [chapter 3.2](#_asram:IncludedCISDFLSupplyChainTrad_1) - new fields:   * Alternative part * International standard norm * Material/Plan index * Engineering requirement * Manufacturing requirements * DPD requirement * TDP or additional reference * Plan or drawing reference * Engineering data link |

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1. Introduction

# Preface

It is recommended to read the document “Read Me first – BoostAero General information” first, especially if you are a BoostAero XML beginner. The document is available for download on the SupplyOn AirSupply [M2M Guidelines Download Area](https://cms.application.prd.supplyon.com/en/info-portal/supplyon-m2m-guidelines?sid=2&rtid=1).

# Purpose of the document

This document is a technical guide for suppliers to connect to AirSupply via a machine-to-machine connection. The technical guide includes the XML structure definition for high level (business) context in order to provide suppliers with all necessary information. M2M/EDI with the SCM Platform means EDI between suppliers and the SCM application. There is no direct EDI connection or direct message flow between a supplier and its customer bypassing the SCM application. Supplier integration of SupplyOn AirSupply data is possible via two message formats: CSV and BoostAero XML V2.10.

In this document the usage of the BoostAero XML format is described. In addition to this technical guide, you can download the XSD (XML Schema Definition) for this message type from the SupplyOn M2M website.

# Demand Forecast Definition

A demand forecast message is a commercial document issued by a customer to a supplier. The message contains information about the estimated future quantity demanded of a product.

# Preliminary Remarks

The following rules apply to all messages if no exception is specified within the respective field description:

|  |  |  |
| --- | --- | --- |
| **Type** | **Explanation** | **Example** |
| Negative numbers | The minus sign must be in front of the digits | -10 |
| Decimal numbers | The delimiter is a dot | 10.5 |
| Before the delimiter, a maximum of 15 digits is allowed | 111112222233333.44 |
| After the delimiter, a maximum of 15 digits is allowed | 99.888887777766666 |
| DATE | Format is CCYY-MM-DD | 2011-05-18 |
| DATETIME | Format is CCYY-MM-DDThh:mm:ss | 2011-05-18T23:59:59 |
| BOOLEAN | Values must be “true” or “false” | true |
| INTEGER | Values must be whole numbers | 5 |
| Currency | The currency is described with three characters | EUR |

# Composition of XML message table

The table always starts with the parent-element in the first row.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **1** - Maximum repetition of the element |  | **3** - Name of the element |  | **5** - Type of the element |  | **7** - Specifies whether the element is mandatory (M) or conditional (C) |

**➇**

**➅**

**➃**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cardinality** | **Segment Name** | | | | | **LVL** | **TYPE** | **LEN** | **M/C** | **Keyword** |
|  |  | | | | |  |  |  |  |  |
| **➀** |  | | | | |  |  |  |  |  |
| **0..1** |  | <example tag>  **➂** | | | |  | STRING  **➄** | 35 | C  **➆** | Keyword1 |
| **1..\*** |  |  | <next level example tag> | | |  | BOOLEAN | - | M | Keyword2 |
|  | **➁** |  |  |  | |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **2** – Steps and coloring indicate the level and help spot the parent-element |  | **4** - Hierarchical level of the element |  | **6** - Maximum length of the value in the element |  | **8** – Keyword that links to the keyword table |

A parent-element may contain data-elements and/or further elements that can be parent-elements. It has to contain at least one of those two types. While a further parent-element has no keyword ➇in the last column of the table, a data-element is recognized through the keyword. This keyword is referencing to the so called “keyword table” where further explanation for the element can be found. Each element has a defined cardinality ➀ represented by the number in the first column.

The cardinalities shown in this guideline are specific to AirSupply. As BoostAero XML standard is not only used for AirSupply, these AirSupply cardinalities could be more restrictive.

|  |  |
| --- | --- |
| **Cardinality** | **Explanation** |
| **1** | Mandatory element, must occur exactly one time |
| **1..\*** | Mandatory element, must occur at least one time, can be repeated |
| **0..1** | Conditional element, not required, must not be repeated |
| **0..\*** | Conditional element, not required, can be repeated |

!

**Attention**:

A cardinality that is different from the original Boost schema is **colored in blue**. The changed cardinality reflects information that is especially used in regards to the AirSupply application. In most cases, the usage in AirSupply is more restrictive than in the Boost schema. Please implement the message based on the cardinality shown in this guideline. If more repetitions are used than allowed by this guideline, the application will automatically overwrite the initial value with the latest value.

Elements that are mandatory ➆ are marked with a red coloring. If one of these fields is not included in the message, it will be rejected with an according error message.

Elements that are conditional ➆ are either requested by the customer or by the AirSupply application.

All values submitted must also respect the field size ➅ and type definitions ➄. If not, the message will also be rejected with an error message.

# Composition of the keyword table

The table provides more information for each element. The following columns are available:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **1** – Keyword referencing to the XML message table |  | **2** – Example value which can also be found in the example message |  | **3** - Description of the content that is expected in the element |  | **4** – XPATH to address each element in the XML structure |

**➃**

**➁**

| **Keyword** | **Example**  **➀** | **Description**  **➂** | **XPATH** |
| --- | --- | --- | --- |
| DocumentType | DEMAND\_FORECAST | Value reflects the Boost Aero document name. | /as:CI\_DespatchAdvice/as:CIDAExchangedDocument/asram:NameText |
| SubmissionDate | 2017-06-28T00:00:00 | Submission date and time of the despatch advice. | /as:CI\_DespatchAdvice/as:CIDAExchangedDocument/asram:SubmissionDateTime |

# BoostAero Attribut Codes Lists

Within the document “BAI\_Codes\_Lists\_V2 10\_20110310.xls”, the code lists for the corresponding elements including possible values are attached. Please note that the codes in the exchanged files can be different. AirAupply transmits/expects the codes as sent by the customer.



# Glossary

|  |  |
| --- | --- |
| **Abbreviation** | **Meaning** |
| ASRAM | **A**ero **S**patial **R**eusable **A**ssembly **M**essages  According to the UN/CEFACT NDR (XML Name and Design Rules), this namespace has to be used for all components. |
| as | **A**ero **S**patial |
| CI | **C**ross **I**ndustry |
| CIO | **C**ross **I**ndustry **O**rdering |
| DA | **D**espatch **A**dvice |
| EDI | **E**lectronic **D**ata **I**nterchange is the structured transmission of data between organizations by electronic means. It is used to transfer electronic documents or business data from one computer system to another computer system, i.e. from one trading partner to another trading partner without human intervention. |
| ERP | **E**nterprise **R**esource **P**lanning integrates internal and external management information across an entire organization. |
| M2M | **M**achine-to-**M**achine refers to technologies that allow systems to communicate with other systems of the same ability. |
| SCM | **S**upply **C**hain **M**anagement is the process of planning, implementing, and controlling the operations of the supply chain as efficiently as possible. |
| PO | **P**urchase **O**rder |
| VAT | **V**alue **A**dded **T**ax |
| XML | E**x**tensible **M**arkup **L**anguage |

1. Structure of BA XML Demand Forecast

**as:CI\_DemandForecast** is the root tag and contains the following data segments:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Cardinality** | **Segment Name** | | **LVL** | **TYPE** | **LEN** | **M/C** | **Keyword** |
|  |  | |  |  |  |  |  |
| **1** | <as:CI\_DemandForecast> | |  |  |  |  |  |
| **1** |  | <as:CIExchangedDocumentContext> |  |  |  |  |  |
| **1** |  | <as:CISExchangedDocument> |  |  |  |  |  |
| **1** |  | <as:CISDFSupplyChainTradeTransaction> |  |  |  |  |  |

# as:CIExchangedDocumentContext

This segment contains message exchange specific data like the message-ID or the creation timestamp.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cardinality** | **Segment Name** | | | | **LVL** | **TYPE** | **LEN** | **M/C** | **Keyword** |
|  |  | | | |  |  |  |  |  |
| **1** | <as:CIExchangedDocumentContext> | | | |  |  |  |  |  |
| **0..1** |  | <asram:SpecifiedTransactionIdentifier> | | |  | STRING | 50 | M | InternalMessageID |
| **1** |  | <asram:ApplicationSpecifiedCIDocumentContextParameter> | | |  |  |  |  |  |
| **1** |  |  | <asram:SpecifiedCIDocumentVersion> | |  |  |  |  |  |
| **1** |  |  |  | <asram:IssueDateTime> |  | DATETIME | - | M | CreationTimeStamp |
| **1** |  | <asram:ScenarioSpecifiedCIDocumentContextParameter> | | |  |  |  |  |  |
| **1** |  |  | <asram:IdentificationIdentifier> | |  | STRING | 35 | M | BusinessScenario |

| **Keyword** | **Example** | **Description** | **XPATH** |
| --- | --- | --- | --- |
| InternalMessage ID | S19839#1 | InternalMessageID: Internal SupplyOn message ID.  This field does not only contain the ID of the corresponding scheduler run in AirSupply, but also a separator character and an increasing number, to ensure that the ID is unique for each forecast included in the M2M message. | /as:CI\_DemandForecast/as:CIExchangedDocumentContext/asram:SpecifiedTransactionIdentifier |
| CreationTimeStamp | 2017-06-28T14:15:31 | Customer ERP creation date and time of the demand forecast message | /as:CI\_DemandForecast/as:CIExchangedDocumentContext/asram:ApplicationSpecifiedCIDocumentContextParameter/asram:SpecifiedCIDocumentVersion/asram:IssueDateTime |
| BusinessScenario | 2017-07-10T13:31:58 | Defines the business scenario.  Exemplary values could be:  **SCC** = SupplyChain Collaboration  **KAN** = Kanban  **SYN** = Synchronous | /as:CI\_DemandForecast/as:CIExchangedDocumentContext/asram:ScenarioSpecifiedCIDocumentContextParameter/asram:IdentificationIdentifier |

# as:CISExchangedDocument

as:CISExchangedDocument contains adjustment information about the forecast data.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cardinality** | **Segment Name** | | | | **LVL** | **TYPE** | **LEN** | **M/C** | **Keyword** |
|  |  | | | |  |  |  |  |  |
| **1** | <as:CIExchangedDocument> | | | |  |  |  |  |  |
| **1** |  | <asram:IssueDateTime> | | |  | DATETIME | - | M | HeaderCreationDate |
| **0..1** |  | <asram:NameText> | | |  | STRING | 50 | M | DocumentType |
| **0..1** |  | <asram:SubmissionDateTime> | | |  | DATETIME | - | C | SubmissionDate |
| **1..\*** |  | <asram:IncludedCINote> | | |  |  |  |  |  |
| **1..\*** |  |  | <asram:ContentText> | |  | STRING | 256 | M | HeaderFlexContent |
| DATETIME | - |
| **1** |  |  | <asram:IdentificationIdentifier> | |  | STRING | 50 | M | HeaderFlexIdentifier |
| **1** |  |  | <asram:SubjectCode> | |  | STRING | 256 | M | HeaderFlexCode |
| **0..1** |  | <asram:IssuerCITradeParty> | | |  |  |  |  |  |
| **0..\*** |  |  | <asram: IdentificationIdentifier> | |  | STRING | 4 | C | IssuerOrg |
| **0..\*** |  |  | <asram:SpecifiedCILegalOrganization> | |  |  |  |  |  |
| **0..\*** |  |  |  | <asram:IdentificationIdentifier> |  | STRING | 4 | C | IssuerGroup |
| **1** |  | <asram:RecipientCITradeParty> | | |  |  |  |  |  |
| **1** |  |  | <asram:IdentificationIdentifier> | |  | STRING | 70 | M | ReceiverInfo |
| **1** |  | <asram:SenderCITradeParty> | | |  |  |  |  |  |
| **1** |  |  | <asram:IdentificationIdentifier> | |  | STRING | 70 | M | SenderInfo |

| **Keyword** | **Example** | **Description** | **XPATH** |
| --- | --- | --- | --- |
| HeaderCreationDate | 2017-07-10T13:31:57 | Creation date of the forecast header. | /as:CI\_DemandForecast/as:CISExchangedDocument/asram:IssueDateTime |
| DocumentType | DEMAND\_FORECAST | Value reflects the Boost Aero document name. | /as:CI\_DemandForecast/as:CISExchangedDocument/asram:NameText |
| SubmissionDate | 2017-07-10T13:31:58 | Defines the publishing date of the forecast.  May contain "default", in which case the system will use the default publishing timeout definition (for more information see chapter “Forecast Deployer Customization” within the forecast specification document). When empty, immediate publishing applies. | /as:CI\_DemandForecast/as:CISExchangedDocument/asram:SubmissionDateTime |
| HeaderFlexContent | Desc: Freekey2 | The value depends on the HeaderFlexCode.  Please note that this field is only used in combination with the following qualifiers:  **FK** = FreeKey  **OS** = Logistic Solution  **SSC** = SupplierSite\_City  **FF01** to **FF10** = Flexible Fields | /as:CI\_DemandForecast/as:CISExchangedDocument/asram:IncludedCINote/asram:ContentText |
| HeaderFlexIdentifier | Freekey2 | **If HeaderFlexCode = “FK”** then this field contains the FreeKey. This key defines the qualifier which groups all forecast contents to be used to generate the time-bucket aggregation (sum).  The Aggregation Level Code (ALC) can e.g. contain the name of a natco or the name of a plant in which case the forecast data will be aggregated by this entity or this plan.  However – the system has no restriction in content on this field, accordingly the exporting service (SAP) can utilize it in any appropriate fashion (e.g. by combining the plant and the buyer code within the ALC). | /as:CI\_DemandForecast/as:CISExchangedDocument/asram:IncludedCINote/asram:IdentificationIdentifier |
| 1410486862 | **If HeaderFlexCode = “CSK”** then this field contains the CollabSetKey. This key is identical for all data of one collaboration set. A collaboration set is defined with the same supplier/customer/material number/free key. The combination is optional in the message. |

| **Keyword** | **Example** | **Description** | **XPATH** |
| --- | --- | --- | --- |
| HeaderFlexCode | FK | The following fixed codes exist as demand key definition:  **CSK** = CollabSetKey  **FK** = FreeKey  **OS** = Logistic Solution  **SSC** = SupplierSite\_City  Attention: the HeaderFlexCode “**FK**” plus the respective HeaderFlexIdentifier containing the value of the free key are mandatory and appear exactly once in the message. | /as:CI\_DemandForecast/as:CISExchangedDocument/asram:IncludedCINote/asram:SubjectCode |
| SSC | The following other fixed codes exist:  **OS** = Logistic Solution  **SSC** = SupplierSite\_City  Attention: the HeaderFlexCode “**SSC**” plus the respective HeaderFlexIdentifier containing the value for the SupplierSite\_City are mandatory. |
| FF02 | In addition to the fixed codes, the demand forecast offers several flexible fields which can be allocated by the customer. These codes determine the way the field is used.  Codes FF01 to FF08 indicate a flexible field usage as STRING.  Codes FF09 and FF10 indicate a flexible field usage as DATETIME.  Codes FF11 to FF18 indicate a flexible field usage as STRING.  Codes FF19 and FF20 indicate a flexible field usage as DATETIME.  Codes FF21 to FF28 indicate a flexible field usage as STRING.  Codes FF29 and FF30 indicate a flexible field usage as DATETIME.  Currently the following allocation exists:  **FF01** = Industry Standard Description  **FF02** = Forecast Mode:   * Standard Forecast * Mid Term Forecast – Product Group * Long Term Forecast – Commodity Group * Free Forecast Mode Description possible   **FF03** = Commodity Group  **FF04** = Product Group |
| IssuerOrg | PORG | Contains specific information about the ERP purchasing organization. In other words, about your customer’s “ordered by” party. | /as:CI\_DemandForecast/as:CISExchangedDocument/asram:IssuerCITradeParty/asram:IdentificationIdentifier |
| IssuerGroup | PGRU | Contains specific information about the ERP purchasing group | /as:CI\_DemandForecast/as:CISExchangedDocument/asram:IssuerCITradeParty/asram:SpecifiedCILegalOrganization/asram:IdentificationIdentifier |
| ReceiverInfo | 10007544 | Indicates the party who receives the XML message. No key, just used for better traceability. | /as:CI\_DemandForecast/as:CISExchangedDocument/asram:RecipientCITradeParty/asram:IdentificationIdentifier |
| SenderInfo | AIRSUPPLY | Indicates the party who sends the XML message.  No key, used just for better traceability. | /as:CI\_DemandForecast/as:CISExchangedDocument/asram:SenderCITradeParty/asram:IdentificationIdentifier |

# as:CISDFSupplyChainTradeTransaction

**as:CISDFSupplyChainTradeTransaction** contains child segments which carry the customer and supplier addresses as well as the material data and the delivery location. These child segments are:

* asram:ApplicableCISSupplyChainTradeAgreement
* asram:IncludedCISDFLSupplyChainTradeLineItem
* asram:ApplicableCISHSupplyChainTradeDelivery

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Cardinality** | **Segment Name** | | **LVL** | **TYPE** | **LEN** | **M/C** | **Keyword** |
|  |  | |  |  |  |  |  |
| **1** | <as: CISDFSupplyChainTradeTransaction> | |  |  |  |  |  |
| **1** |  | <asram: ApplicableCISSupplyChainTradeAgreement> |  |  |  |  |  |
| **1..\*** |  | <asram: IncludedCISDFLSupplyChainTradeLineItem> |  |  |  |  |  |
| **1** |  | <asram: ApplicableCISHSupplyChainTradeDelivery> |  |  |  |  |  |

## asram:ApplicableCISSupplyChainTradeAgreement

**asram:ApplicableCISSupplyChainTradeAgreement** contains messasge information about the customer and supplier classification as well as data and references of the agreement contract.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cardinality** | **Segment Name** | | | | | **LVL** | **TYPE** | **LEN** | **M/C** | **Keyword** |
|  |  | | | | |  |  |  |  |  |
| **1** | <asram:ApplicableCISSupplyChainTradeAgreement> | | | | |  |  |  |  |  |
| **0..\*** |  | <asram:AdditionalReferencedCIReferencedDocument> | | | |  |  |  |  |  |
| **0..1** |  |  | <asram:IssueDateTime> | | |  | DATETIME | - | C | AddRefDate |
| **0..1** |  |  | <asram:TypeCode> | | |  | STRING | 4 | C | AddRefCode |
| **0..\*** |  | <asram:ContractReferencedCIReferencedDocument> | | | |  |  |  |  |  |
| **0..1** |  |  | <asram:GlobalIdentificationIdentifier> | | |  | STRING | 64 | C | ContractRef |
| **0..1** |  |  | <asram:TypeCode> | | |  | STRING | 4 | C | ContractCode |
| **0..\*** |  | <asram:SpecifiedCITradeBusinessFlag> | | | |  |  |  |  |  |
| **0..1** |  |  | <asram:TypeCode> | | |  | STRING | 4 | C | BusinessFlagCode |
| **1** |  |  | <asram:ValueIndicator> | | |  | BOOLEAN | - | C | BusinessFlag |
| **1** |  | <asram:BuyerCITradeParty> | | | |  |  |  |  |  |
| **1..\*** |  |  | <asram:IdentificationIdentifier> | | |  | STRING | 10 | M | CustomerOrgCode |
| **1..\*** |  |  | <asram:NameText> | | |  | STRING | 10 | M | CustomerOrgName |
| **1..\*** |  |  | <asram:SpecifiedCILegalOrganization> | | |  |  |  |  |  |
| **1** |  |  |  | <asram:IdentificationIdentifier> | |  | STRING | 5 | M | CustomerGroupCode |
| **1** |  |  |  | <asram:NameText> | |  | STRING | 50 | M | CustomerGroupName |
| **1..\*** |  |  | <asram:DefinedCITradeContact> | | |  |  |  |  |  |
| **1** |  |  |  | <asram:IdentificationIdentifier> | |  | STRING | 35 | M | CustContactID |
| **0..1** |  |  |  | <asram:PersonNameText> | |  | STRING | 15 | C | CustContactName |
| **0..1** |  |  |  | <asram:TypeCode> | |  | STRING | 4 | C | CustContactType |
| **0..\*** |  |  |  | <asram:TelephoneCIUniversalCommunication> | |  |  |  |  |  |
| **1** |  |  |  |  | <asram:CompleteNumberText> |  | STRING | 24 | C | CustContactPhone |
| **1** |  | <asram:SellerCITradeParty> | | | |  |  |  |  |  |
| **1..\*** |  |  | <asram:IdentificationIdentifier> | | |  | STRING | 64 | M | SupplierNumber |
| **1..\*** |  |  | <asram:NameText> | | |  | STRING | 10 | M | SupplierOrgName |
| **1..\*** |  |  | <asram:SpecifiedCILegalOrganization> | | |  |  |  |  |  |
| **1** |  |  |  | <asram:NameText> | |  | STRING | 5 | M | SupplierGroupName |
| **0..\*** |  |  | <asram:DefinedCITradeContact> | | |  |  |  |  |  |
| **0..1** |  |  |  | <asram:IdentificationIdentifier> | |  | STRING | 35 | M | SuppContactID |
| **0..1** |  |  |  | <asram:TypeCode> | |  | STRING | 4 | C | SuppContactType |

| **Keyword** | **Example** | **Description** | **XPATH** |
| --- | --- | --- | --- |
| AddRefDate | 2017-07-08T13:32:33 | Date and time of last commitment.  Value depends on the AddRefCode. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:ApplicableCISSupplyChainTradeAgreement/asram:AdditionalReferencedCIReferencedDocument/asram:IssueDateTime |
| AddRefCode | LCBC | Possible values are:  **LCBC =** Last Commitment By Customer  **LCBS** = Last Commitment By Supplier | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:ApplicableCISSupplyChainTradeAgreement/asram:AdditionalReferencedCIReferencedDocument/asram:TypeCode |
| ContractRef | CON/A320/PA/28/3938 | Contract reference.  Value depends on the ContractCode. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:ApplicableCISSupplyChainTradeAgreement/asram:ContractReferencedCIReferencedDocument/asram:GlobalIdentificationIdentifier |
| ContractCode | 149 | Possible values are:  **149** = Supplier Agreement Number | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:ApplicableCISSupplyChainTradeAgreement/asram:ContractReferencedCIReferencedDocument/asram:TypeCode |
| BusinessFlagCode | DF | Possible values are:  **DF** = DeleteFlag. Defines whether to remove the entire collaboration set.  Is only an interim value which is set within the “Next Forecast Data” table on import messages which have defined a “delete flag” and thereby request the deletion of the collaboration set from the database.  **AC** = AllowCollab. Defines whether collaboration on this collaboration set (header) is allowed.  If enabled on a header, this gets valid for the entire collaboration set automatically (cannot mix multiple forecast headers with enabled and disabled “allow collab” flag).  **ASR** = AllowSupplierRemark. Defines wheter a supplier is allowed to use the field  DedicatedRemarkField\_Supplier for entering comments.  **SCR** = CommitRequired. Allows definition whether response of supplier is required or not.  Includes disabling of STC/CTR exception generation in case the commit required is disabled. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:ApplicableCISSupplyChainTradeAgreement/asram:SpecifiedCITradeBusinessFlag/asram:TypeCode |
| AC |
| ASR |
| SCR |
| BusinessFlag | true | Activation flag.  The customer can allow, deny or request certain information. This flag only activates or deactivates certain functions.  Details must be read out from the BusinessFlagCode. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:ApplicableCISSupplyChainTradeAgreement/asram:SpecifiedCITradeBusinessFlag/asram:ValueIndicator |
| false |
| CustomerOrgCode | AFR | Short name of the customer organization. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:ApplicableCISSupplyChainTradeAgreement/asram:BuyerCITradeParty/asram:IdentificationIdentifier |
| CustomerOrgName | PD\_Airbus France LE | Defines the organizational unit of the customer. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:ApplicableCISSupplyChainTradeAgreement/asram:BuyerCITradeParty/asram:NameText |
| CustomerGroupCode | AIRB | Buyer Corporate Group Code,  e.g. **IAIR** for Airbus SAS, **EUROC** for Airbus Helicopters, **PAG** for Permium Aerotec etc. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:ApplicableCISSupplyChainTradeAgreement/asram:BuyerCITradeParty/asram:SpecifiedCILegalOrganization/asram:IdentificationIdentifier |
| CustomerGroupName | PD\_AIRBUS | The top level name of the customer. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:ApplicableCISSupplyChainTradeAgreement/asram:BuyerCITradeParty/asram:SpecifiedCILegalOrganization/asram:NameText |
| CustContactID | FR\_OOCG1\_A | Customer Contact Identification Code  Value depends on the CustContactType. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:ApplicableCISSupplyChainTradeAgreement/asram:BuyerCITradeParty/asram:DefinedCITradeContact/asram:IdentificationIdentifier |
| CustContactName | Charlie Dean | Customer Contact Name, e.g. contact name of the ordering officer. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:ApplicableCISSupplyChainTradeAgreement/asram:BuyerCITradeParty/asram:DefinedCITradeContact/asram:PersonNameText |
| CustContactType | OC | Customer Contact Type  Possible values are:  **OC** = OrderingOfficerCode  **CP** = MRPController  Attention: The Ordering Officer Code is a mandatory information. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:ApplicableCISSupplyChainTradeAgreement/asram:BuyerCITradeParty/asram:DefinedCITradeContact/asram:TypeCode |
| CustContactPhone | +49 40 123456789 | Customer Contact Phone Number, e.g. telephone number of the ordering officer. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:ApplicableCISSupplyChainTradeAgreement/asram:BuyerCITradeParty/asram:DefinedCITradeContact/asram:TelephoneCIUniversalCommunication/asram:CompleteNumberText |
| SupplierNumber | 807317 | Defines the supplier’s number assigned by the customer. This ID is a key for response messages and identifies the supplier within AirSupply and all corresponding messages. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:ApplicableCISSupplyChainTradeAgreement/asram:SellerCITradeParty/asram:IdentificationIdentifier |
| SupplierOrgName | HONEY | Defines the organizational unit of the supplier. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:ApplicableCISSupplyChainTradeAgreement/asram:SellerCITradeParty/asram:NameText |
| SupplierGroupName | PD\_Honeywell Aerospace | The top level name of the supplier. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:ApplicableCISSupplyChainTradeAgreement/asram:SellerCITradeParty/asram:SpecifiedCILegalOrganization/asram:NameText |
| SuppContactID | OSCO | Supplier Contact Identification Code  Value depends on the SuppContactType. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:ApplicableCISSupplyChainTradeAgreement/asram:SellerCITradeParty/asram:DefinedCITradeContact/asram:IdentificationIdentifier |
| SuppContactType | SC | Supplier Contact Type  Possible values are:  **SC =** SupplierPlannerCode | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:ApplicableCISSupplyChainTradeAgreement/asram:SellerCITradeParty/asram:DefinedCITradeContact/asram:TypeCode |

## asram:IncludedCISDFLSupplyChainTradeLineItem

**asram:IncludedCISDFLSupplyChainTradeLineItem** contains message information about the material data.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cardinality** | **Segment Name** | | | | | | **LVL** | **TYPE** | **LEN** | **M/C** | **Keyword** |
|  |  | | | | | |  |  |  |  |  |
| **1..\*** | <asram:IncludedCISDFLSupplyChainTradeLineItem> | | | | | |  |  |  |  |  |
| **0..1** |  | <asram:AssociatedCIDocumentLineDocument> | | | | |  |  |  |  |  |
| **1** |  |  | <asram:IssueDateTime> | | | |  | DATETIME | - | M | FCLineCreationDate |
| **1** |  |  | <asram:LatestRevisionDateTime> | | | |  | DATETIME | - | M | FCLineLastModDate |
| **0..1** |  |  | <asram:PublicationDateTime> | | | |  | DATETIME | - | C | FCLinePubDate |
| **1..\*** |  |  | <asram:IncludedCINote> | | | |  |  |  |  |  |
| **1..\*** |  |  |  | <asram:ContentText> | | |  | BOOLEAN | - | M | LineFlex + LineFlexCode = “DO” or “D” |
| **1..\*** | STRING | 100 | C | LineFlex + LineFlexCode = “DI” |
| **1..\*** | 12 | C | LineFlex + LineFlexCode = “EB” |
| **1..\*** | 50 | C | LineFlex + LineFlexCode = “MB” |
| **1..\*** | 256 | C | LineFlex |
| **1..\*** | DATETIME | - | C |
| **1** |  |  |  | <asram:SubjectCode> | | |  | STRING | 4 | M | LineFlexCode |
| **0..\*** |  | <asram:SubstituteApplicableCIReferencedProduct> | | | | |  |  |  |  |  |
| **0..1** |  |  | <asram:BuyerAssignedIdentificationIdentifier> | | | |  | STRING | 256 | C | AlternativePart |
| **1** |  | <asram:SpecifiedCITradeProduct> | | | | |  |  |  |  |  |
| **1** |  |  | <asram:CustomerAssignedIdentificationIdentifier> | | | |  | STRING | 64 | M | CustMatNumber |
| **0..1** |  |  | <asram:SellerAssignedIdentificationIdentifier> | | | |  | STRING | 64 | C | SuppMatNumber |
| **0..\*** |  |  | <asram:UseDescriptionText> | | | |  | STRING | 64 | C | KitHeader |
| **0..\*** |  |  | <asram:TypeCode> | | | |  | BOOLEAN | - | C | KitComponent |
| **0..\*** |  |  | <asram:InformationCINote> | | | |  |  |  |  |  |
| **0..\*** |  |  |  | <asram:ContentText> | | |  | STRING | 256 | C | MaterialDesc |
| **0..1** |  |  |  | <asram:SubjectCode> | | |  | STRING | 4 | C | MaterialDescCode |
| **0..\*** |  |  | <asram:DesignatedCIProductClassification> | | | |  |  |  |  |  |
| **0..\*** |  |  |  | <asram:ClassCIProductCharacteristic> | | |  |  |  |  |  |
| **0..\*** |  |  |  |  | <asram:DescriptionText> | |  | STRING | 20 | C | LogisticFamDesc |
| **0..\*** |  |  |  |  | <asram:IdentificationIdentifier> | |  | STRING | 4 | C | LogisticFamIdent |
| **0..1** |  |  |  |  | <asram:TypeCode> | |  | STRING | 4 | C | LogisticFamCode |
| **0..1** |  |  |  |  | <asram:ValueMeasure> | |  | INTEGER | - | C | LogisticFamMeasure |
| **0..1** |  | <asram:SpecifiedCISSupplyChainTradeAgreement> | | | | |  |  |  |  |  |
| **0..\*** |  |  | <asram:ProgramCIMissionProject> | | | |  |  |  |  |  |
| **0..\*** |  |  |  | <asram:IdentificationIdentifier> | | |  | STRING | 16 | C | ProgramMSN |
| **0..\*** |  |  | <asram:SpecifiedCIMissionProject> | | | |  |  |  |  |  |
| **0..\*** |  |  |  | <asram:IdentificationIdentifier> | | |  | STRING | 64 | C | TypeSerial |
| 64 | C | MatRef + MatRefCode = “ISN” or “MPI” |
| 256 | MatRef + MatRefCode = “ENG” or “MAR” |
| **0..\*** |  |  |  | <asram:PurposeCode> | | |  | STRING | 4 | C | TypeSerialCode |
| 3 | C | MatRefCode |
| **0..\*** |  |  | <asram:AdditionalReferencedCIReferencedDocument> | | | |  |  |  |  |  |
| **0..1** |  |  |  | <asram:GlobalIdentificationIdentifier> | | |  | STRING | 256 | C | DPDRequirement |
| **0..1** |  |  |  | <asram:IssuerAssignedIdentificationIdentifier> | | |  | STRING | 1024 | C | TDPOrAddiReference |
| **0..1** |  |  |  | <asram:RevisionIdentificationIdentifier> | | |  | STRING | 64 | C | PlanOrDraw |
| **0..1** |  |  |  | <asram:URIIdentificationIdentifier> | | |  | STRING | 1024 | C | EngDataLink |
| **0..\*** |  |  | <asram:ContractReferencedCIReferencedDocument> | | | |  |  |  |  |  |
| **0..1** |  |  |  | <asram:GlobalIdentificationIdentifier> | | |  | STRING | 23 | C | ContractRef |
| **0..\*** |  |  | <asram:SpecifiedCITradeBusinessFlag> | | | |  |  |  |  |  |
| **0..1** |  |  |  | <asram:TypeCode> | | |  | STRING | 4 | C | CriticalityCode |
| **1** |  |  |  | <asram:ValueIndicator> | | |  | BOOLEAN | - | C | CriticalityValue |
| **0..1** |  |  | <asram:SellerCITradeParty> | | | |  |  |  |  |  |
| **0..1** |  |  |  | <asram:IdentificationIdentifier> | | |  | STRING | 17 | C | SupplierSAPCode |
| **1** |  | <asram:SpecifiedCISDFLSupplyChainTradeDelivery> | | | | |  |  |  |  |  |
| **0..\*** |  |  | <asram:AdditionalReferencedCIReferencedDocument> | | | |  |  |  |  |  |
| **0..1** |  |  |  | <asram:IssueDateTime> | | |  | DATETIME | - | C | LastEDIMessage |
| **0..1** |  |  | <asram:ForecastedCISupplyChainSupplyPlan> | | | |  |  |  |  |  |
| **1** |  |  |  | <asram:CommitmentLevelCode> | | |  | STRING | 64 | M | HorizonType |
| **1..\*** |  |  |  | <asram:TypeCode> | | |  | STRING | 6 | M | DataMeasure |
| **0..\*** |  |  |  | <asram:PromisedDeliveryCISupplyChainEvent> | | |  |  |  |  |  |
| **0..\*** |  |  |  |  | <asram:DescriptionText> | |  | STRING | 140 | C | SuppRemark |
| **0..1** |  |  |  |  | <asram:TypeCode> | |  | STRING | 4 | C | RemarkCode |
| **1..\*** |  |  |  | <asram:RequestedDeliveryCISupplyChainEvent> | | |  |  |  |  |  |
| **0..1** |  |  |  |  | <asram:DescriptionText> | |  | STRING | 3 | C | Exception |
| **0..1** |  |  |  |  | <asram:LatestOccurrenceDateTime> | |  | DATETIME | - | C | LastCommitDate |
| **0..1** |  |  |  |  | <asram:OccurrenceDateTime> | |  | DATETIME | - | M | DemandDate |
| **1** |  |  |  |  | <asram:UnitQuantity> | |  | DECIMAL | - | M | DemandQuantity |
| **1** |  |  |  |  | <asram:OccurrenceCISpecifiedPeriod> | |  |  |  |  |  |
| **1** |  |  |  |  |  | <asram:IdentificationIdentifier> | ➑ | STRING | 20 | M | Bucket |

| **Keyword** | **Example** | **Description** | **XPATH** |
| --- | --- | --- | --- |
| FCLineCreationDate | 2017-07-10T13:32:33 | Date of forecast message creation (not actually the time of message generation). | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:AssociatedCIDocumentLineDocument/asram:IssueDateTime |
| FCLineLastModDate | 2017-07-10T13:32:33 | Date and time of last modification of record on database. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:AssociatedCIDocumentLineDocument/asram:LatestRevisionDateTime |
| FCLinePubDate | 2017-07-11T13:32:33 | Extracted timestamp (Cutomer SAP date). | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:AssociatedCIDocumentLineDocument/asram:PublicationDateTime |
| LineFlex | [see sample file] | The value and the field definition depend on the LineFlexCode. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:AssociatedCIDocumentLineDocument/asram:IncludedCINote[1]/asram:ContentText |
| LineFlexCode | DO | The following fixed field codes exist:  **DO =** Downloaded Once. Defines whether this schedule line was once contained in a user initiated download (This allows to detect yet not downloaded PO schedule lines). This value will be updated only once (from false to true when the first download of record appears.)  **D =** Downloaded. Defines whether this schedule line was once contained in a user initiated download (This allows to detect yet not downloaded FC schedule lines). This flag will be reset on each update (change) either of FC as well as other data members and indicates accordingly the download of this FC schedule line version.  **DI =** DetailInfo. Combined detail information field (e.g. on transmissions from Airbus Helicopters).  **EB** = Extracted By. (Login SAP-Forecast steck chep)  **MB =** FCLineLastModifiedBy. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:AssociatedCIDocumentLineDocument/asram:IncludedCINote/asram:SubjectCode |
| FF01 | In addition to the fixed codes, the demand forecast offers several flexible fields which can be allocated by the customer. These codes determine the way the field is used.  Codes FF01 to FF08 indicate a flexible field usage as STRING.  Codes FF09 and FF10 indicate a flexible field usage as DATETIME.  Codes FF11 to FF18 indicate a flexible field usage as STRING.  Codes FF19 and FF20 indicate a flexible field usage as DATETIME.  Codes FF21 to FF28 indicate a flexible field usage as STRING.  Codes FF29 and FF30 indicate a flexible field usage as DATETIME.  Currently the following allocation exists:  **FF01** = MRP Area  **FF02** = Final Customer Name  **FF03** = Customer / Operator  **FF04** = Installation Station  **FF05** = Head of version indicator  **FF06** = Fix vs Potential  **FF07** = Customer Remark  **FF08** = PN Amendment  **FF11** = Schedule line number |
| AlternativePart | material B | Alternative or interchangeable parts that can substitute the material | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SubstituteApplicableCIReferencedProduct/asram:BuyerAssignedIdentificationIdentifier |
| CustMatNumber | CMN-142205011-1 | Customer Material Number.  Attention: This value is used to generate the “collaboration set”. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCITradeProduct/asram:CustomerAssignedIdentificationIdentifier |
| SuppMatNumber | SM 04158179 | Supplier Material Number.  Retrieved during import from material master data (if not found, value is taken from the forecast).  Attention: Supplier Material Number can be administrated by the supplier in the material master data screen in AirSupply. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCITradeProduct/asram:SellerAssignedIdentificationIdentifier |
| KitHeader | TRUE | Indicates if the position refers to a kit header | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCITradeProduct/asram:UseDescriptionText |
| KitComponent | FALSE | Indicates if the position refers to a kit component | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCITradeProduct/asram:TypeCode |
| MaterialDesc | Fuel Resistant Coating | Material Description.  Value depends on the MaterialDescCode. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCITradeProduct/asram:InformationCINote/asram:ContentText |
| MaterialDescCode | CMD | Possible values are:  **CMD** =Customer Material Description  **SMD** = Supplier Material Description | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem[1]/asram:SpecifiedCITradeProduct/asram:InformationCINote/asram:SubjectCode |
| LogisticFamDesc | 23D\_10W\_16M | Logistic Family Description.  Related to LogisticFamCode = “LF” | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCITradeProduct/asram:DesignatedCIProductClassification/asram:ClassCIProductCharacteristic/asram:DescriptionText |
| LogisticFamIdent | LF04 | Logistic Family Name.  Related to LogisticFamCode = “LF” | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCITradeProduct/asram:DesignatedCIProductClassification/asram:ClassCIProductCharacteristic/asram:IdentificationIdentifier |
| LT1 | Logistic Tolerance Name.  Related to LogisticFamCode = “LT” |
| LogisticFamCode | DVT | Possible values are:  **LF** = Logistic Family. The logistic family of the material.  **LT** =Logistic Tolerance. The logistic tolerance of the material.  **DVT** = Demand Variation Tolerance. The percentage of allowed difference when comparing previous demand with current demand. “unitCode” = “P1”  **CDT** = Commit Deviation Tolerance. The tolerance percentage of allowed difference when comparing commit tuning with supplier commitment.  “unitCode” = “P1” | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCITradeProduct/asram:DesignatedCIProductClassification/asram:ClassCIProductCharacteristic/asram:TypeCode |
| LogisticFamMeasure | 10  unitCode=”P1” | Logistic Tolerance.  Value depends on LogisticFamCode; related to LogisticFamCode = “DVT” or “CDT” | Value:  /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCITradeProduct/asram:DesignatedCIProductClassification/asram:ClassCIProductCharacteristic/asram:ValueMeasure  Attribute:  /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCITradeProduct/asram:DesignatedCIProductClassification/asram:ClassCIProductCharacteristic/asram:ValueMeasure/@unitCode |
| ProgramMSN | LR/380000001 | Program/MSN:  Defines the Aircraft type and Material Serial Number. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCISSupplyChainTradeAgreement/asram:ProgramCIMissionProject/asram:IdentificationIdentifier |
| TypeSerial | 1 | Type or Serial number.  Value depends on TypeSerialCode. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCISSupplyChainTradeAgreement/asram:SpecifiedCIMissionProject/asram:IdentificationIdentifier |
| TypeSerialCode | AVN | Possible values are:  **AVN** = Version Number. Defines the Aircraft type and Material Serial Number.  **ASN** = Standard Number. Defines the Aircraft type and Material Serial Number  **AON** = Option. Defines the Aircraft type and Material Serial Number | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCISSupplyChainTradeAgreement/asram:SpecifiedCIMissionProject/asram:PurposeCode |
| MatRef | ABS5455A0200 | The value depends on the MatRefCode. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCISSupplyChainTradeAgreement/asram:SpecifiedCIMissionProject/asram:IdentificationIdentifier |
| MatRefCode | ISN | Possible values are:  **ISN** = Standard or international norm that defines the material  **MPI** = Index that specifies the material or plan  **ENG** = Reference of the engineering requirements applicable to the material, also called technical Specification  **MAR** = Reference of the manufacturing requirements applicable to the material | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCISSupplyChainTradeAgreement/asram:SpecifiedCIMissionProject/asram:PurposeCode |
| DPDRequirement | Part List M528G5062 revision A | Reference of the product definition requirements applicable to the material, also called Design | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCISSupplyChainTradeAgreement/asram:AdditionalReferencedCIReferencedDocument/asram:GlobalIdentificationIdentifier |
| TDPOrAddiReference | F7XC574303301A1 TRACK FRONT STOP | Other reference of requirements and documentations applicable | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCISSupplyChainTradeAgreement/asram:AdditionalReferencedCIReferencedDocument/asram:IssuerAssignedIdentificationIdentifier |
| PlanOrDraw | DAN269-300 | Plan or drawing that specify the material | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCISSupplyChainTradeAgreement/asram:AdditionalReferencedCIReferencedDocument/asram:RevisionIdentificationIdentifier |
| EngDataLink | [www.engineeringdata.com](http://www.engineeringdata.com) | URL/FTP link to access the technical documentations applicable | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCISSupplyChainTradeAgreement/asram:AdditionalReferencedCIReferencedDocument/asram:URIIdentificationIdentifier |
| ContractRef | 46000134002 | ContractReference.  Purchase Order contract number. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCISSupplyChainTradeAgreement/asram:ContractReferencedCIReferencedDocument/asram:GlobalIdentificationIdentifier |
| CriticalityCode | CRT | Possible values are:  **CRT =** Item criticality. Defines whether the item is to be marked (in exceptions) as critical. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCISSupplyChainTradeAgreement/asram:SpecifiedCITradeBusinessFlag/asram:TypeCode |
| CriticalityValue | true | Activation flag for criticality. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCISSupplyChainTradeAgreement/asram:SpecifiedCITradeBusinessFlag/asram:ValueIndicator |
| SupplierSAPCode | 0000807317 | Supplier SAP code. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCISSupplyChainTradeAgreement/asram:SellerCITradeParty/asram:IdentificationIdentifier |
| LastEDIMessage | 2017-07-03T13:32:33 | Contains the date and time of the last data export (for the EDI interface). Will be filled by the AirSupply system on any scheduler requested data export to be able to compare delta of already EDI extracted and to be extracted contents. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCISDFLSupplyChainTradeDelivery/asram:AdditionalReferencedCIReferencedDocument/asram:IssueDateTime |
| HorizonType | FIRM | Possible values are:  **FIRM** = firm horizon (short term demands)  **FLEX** = flexible horizon (mid to long term demands)  **PROV** = provisional horizon (very long term demands) | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCISDFLSupplyChainTradeDelivery/asram:ForecastedCISupplyChainSupplyPlan/asram:CommitmentLevelCode |
| DataMeasure | PRVDMD | Possible values are:  **PUBDMD** = published demand  **PRVDMD** = previous published demand  **SUPCOM** = supplier commitment  **CUSTUN** = customer tuning | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCISDFLSupplyChainTradeDelivery/asram:ForecastedCISupplyChainSupplyPlan/asram:TypeCode |
| SuppRemark | New blue coating as requested. | Supplier Remark.  Value depends on RemarkCode | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCISDFLSupplyChainTradeDelivery/asram:ForecastedCISupplyChainSupplyPlan/asram:PromisedDeliveryCISupplyChainEvent/asram:DescriptionText |
| RemarkCode | DDFS | Possible values are:  **DDFS** = DedicatedRemarkField\_Supplier: Comment field usable by supplier. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCISDFLSupplyChainTradeDelivery/asram:ForecastedCISupplyChainSupplyPlan/asram:PromisedDeliveryCISupplyChainEvent/asram:TypeCode |
| Exception | STC | Possible values are:  “STC” for “Supplier to commit"  “CTR” for "Customer to review"  and “DDE” for “Demand Delta Exception” | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCISDFLSupplyChainTradeDelivery/asram:ForecastedCISupplyChainSupplyPlan/asram:RequestedDeliveryCISupplyChainEvent/asram:DescriptionText |
| LastCommitDate | 2017-07-10T13:32:33 | Last commitment date. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCISDFLSupplyChainTradeDelivery/asram:ForecastedCISupplyChainSupplyPlan/asram:RequestedDeliveryCISupplyChainEvent/asram:LatestOccurrenceDateTime |
| DemandDate | 2017-08-19T00:00:00 | Delivery Date/Demand Date.  The due date of the delivery. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCISDFLSupplyChainTradeDelivery/asram:ForecastedCISupplyChainSupplyPlan/asram:RequestedDeliveryCISupplyChainEvent/asram:OccurrenceDateTime |
| DemandQuantity | 100 | The quantity to be delivered. | Value:  /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCISDFLSupplyChainTradeDelivery/asram:ForecastedCISupplyChainSupplyPlan/asram:RequestedDeliveryCISupplyChainEvent/asram:UnitQuantity  Attribute:  /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCISDFLSupplyChainTradeDelivery/asram:ForecastedCISupplyChainSupplyPlan/asram:RequestedDeliveryCISupplyChainEvent/asram:UnitQuantity/@unitCode |
| Bucket | FLEX20170814 | Denotes a period of time. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:IncludedCISDFLSupplyChainTradeLineItem/asram:SpecifiedCISDFLSupplyChainTradeDelivery/asram:ForecastedCISupplyChainSupplyPlan/asram:RequestedDeliveryCISupplyChainEvent/asram:OccurrenceCISpecifiedPeriod/asram:IdentificationIdentifier |

## asram:ApplicableCISHSupplyChainTradeDelivery

**asram:** **ApplicableCISHSupplyChainTradeDelivery** contains message information about supplier site and delivery location.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Cardinality** | **Segment Name** | | | **LVL** | **TYPE** | **LEN** | **M/C** | **Keyword** |
|  |  | | |  |  |  |  |  |
| **1** | <asram:ApplicableCISHSupplyChainTradeDelivery> | | |  |  |  |  |  |
| **1** |  | <asram:ShipFromCITradeParty> | |  |  |  |  |  |
| **1..\*** |  |  | <asram:NameText> |  | STRING | 255 | M | ShipFromName |
| **1** |  | <asram:ShipToCITradeParty> | |  |  |  |  |  |
| **1..\*** |  |  | <asram:IdentificationIdentifier> |  | STRING | 50 | M | ShipToPlant |
| **1..\*** |  |  | <asram:NameText> |  | STRING | 50 | M | ShipToName |

| **Keyword** | **Example** | **Description** | **XPATH** |
| --- | --- | --- | --- |
| ShipFromName | PD\_Honeywell R | Supplier Site | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:ApplicableCISHSupplyChainTradeDelivery/asram:ShipFromCITradeParty/asram:NameText |
| ShipToPlant | FAL | Customer Plant Code.  Defines the qualifier which groups all forecast contents to be used to generate the time-bucket aggregation (sum).  The Aggregation Level Code can e.g. contain the name of a natco or the name of a plant in which case the forecast data will be aggregated by this entity or this plan.  However – the system has no restriction in content on this field, accordingly the exporting service (SAP) can utilize it in any appropriate fashion (e.g. by combining the plant and the buyer code within the ALC). | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:ApplicableCISHSupplyChainTradeDelivery/asram:ShipToCITradeParty/asram:IdentificationIdentifier |
| ShipToName | AFR\_FAL | Customer Plant Name. | /as:CI\_DemandForecast/as:CISDFSupplyChainTradeTransaction/asram:ApplicableCISHSupplyChainTradeDelivery/asram:ShipToCITradeParty/asram:NameText |

1. Hierarchical View

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **LVL** | **Segment Name** | | | | | | | |
|  |  | | | | | | | |
|  | <as:CI\_DemandForecast> | | | | | | | |
|  |  | <as:CIExchangedDocumentContext> | | | | | | |
|  |  |  | <asram:SpecifiedTransactionIdentifier> | | | | | |
|  |  |  | <asram:ApplicationSpecifiedCIDocumentContextParameter> | | | | | |
|  |  |  |  | <asram:SpecifiedCIDocumentVersion> | | | | |
|  |  |  |  |  | <asram:IssueDateTime> | | | |
|  |  |  | <asram:ScenarioSpecifiedCIDocumentContextParameter> | | | | | |
|  |  |  |  | <asram:IdentificationIdentifier> | | | | |
|  |  | <as:CISExchangedDocument> | | | | | | |
|  |  |  | <asram:IssueDateTime> | | | | | |
|  |  |  | <asram:NameText> | | | | | |
|  |  |  | <asram:SubmissionDateTime> | | | | | |
|  |  |  | <asram:IncludedCINote> | | | | | |
|  |  |  |  | <asram:ContentCode> | | | | |
|  |  |  |  | <asram:SubjectCode> | | | | |
|  |  |  | <asram:IssuerCITradeParty> | | | | | |
|  |  |  |  | <asram:SpecifiedCILegalOrganization> | | | | |
|  |  |  |  |  | <asram:IdentificationIdentifier> | | | |
|  |  |  | <asram:RecipientCITradeParty> | | | | | |
|  |  |  |  | <asram:IdentificationIdentifier> | | | | |
|  |  |  | <asram:SenderCITradeParty> | | | | | |
|  |  |  |  | <asram:IdentificationIdentifier> | | | | |
|  |  | <as:CISDFSupplyChainTradeTransaction> | | | | | | |
|  |  |  | <asram:ApplicableCISSupplyChainTradeAgreement> | | | | | |
|  |  |  |  | <asram:AdditionalReferencedCIReferencedDocument> | | | | |
|  |  |  |  |  | <asram:IssueDateTime> | | | |
|  |  |  |  |  | <asram:TypeCode> | | | |
|  |  |  |  | <asram:ContractReferencedCIReferencedDocument> | | | | |
|  |  |  |  |  | <asram:GlobalIdentificationIdentifier> | | | |
|  |  |  |  |  | <asram:TypeCode> | | | |
|  |  |  |  | <asram:SpecifiedCITradeBusinessFlag> | | | | |
|  |  |  |  |  | <asram:TypeCode> | | | |
|  |  |  |  |  | <asram:ValueIndicator> | | | |
|  |  |  |  | <asram:BuyerCITradeParty> | | | | |
|  |  |  |  |  | <asram:IdentificationIdentifier> | | | |
|  |  |  |  |  | <asram:NameText> | | | |
|  |  |  |  |  | <asram:SpecifiedCILegalOrganization> | | | |
|  |  |  |  |  |  | <asram:IdentificationIdentifier> | | |
|  |  |  |  |  |  | <asram:NameText> | | |
|  |  |  |  |  | <asram:DefinedCITradeContact> | | | |
|  |  |  |  |  |  | <asram:IdentificationIdentifier> | | |
|  |  |  |  |  |  | <asram:PersonNameText> | | |
|  |  |  |  |  |  | <asram:TypeCode> | | |
|  |  |  |  |  |  | <asram:TelephoneCIUniversalCommunication> | | |
|  |  |  |  |  |  |  | <asram:CompleteNumberText> | |
|  |  |  |  | <asram:SellerCITradeParty> | | | | |
|  |  |  |  |  | <asram:IdentificationIdentifier> | | | |
|  |  |  |  |  | <asram:NameText> | | | |
|  |  |  |  |  | <asram:SpecifiedCILegalOrganization> | | | |
|  |  |  |  |  |  | <asram:NameText> | | |
|  |  |  | <asram:IncludedCISDFLSupplyChainTradeLineItem> | | | | | |
|  |  |  |  | <asram:AssociatedCIDocumentLineDocument> | | | | |
|  |  |  |  |  | <asram:IssueDateTime> | | | |
|  |  |  |  |  | <asram:LatestRevisionDateTime> | | | |
|  |  |  |  |  | <asram:IncludedCINote> | | | |
|  |  |  |  |  |  | <asram:ContentText> | | |
|  |  |  |  |  |  | <asram:SubjectCode> | | |
|  |  |  |  | <asram:SubstituteApplicableCIReferencedProduct> | | | | |
|  |  |  |  |  | <asram:BuyerAssignedIdentificationIdentifier> | | | | |
|  |  |  |  | <asram:SpecifiedCITradeProduct> | | | | |
|  |  |  |  |  | <asram:CustomerAssignedIdentificationIdentifier> | | | |
|  |  |  |  |  | <asram:SellerAssignedIdentificationIdentifier> | | | |
|  |  |  |  |  | <asram:IncludedCINote> | | | |
|  |  |  |  |  |  | <asram:ContentText> | | |
|  |  |  |  |  |  | <asram:SubjectCode> | | |
|  |  |  |  |  | <asram:DesignatedCIProductClassification> | | | |
|  |  |  |  |  |  | <asram:ClassCIProductCharacteristic> | | |
|  |  |  |  |  |  |  | <asram:TypeCode> | |
|  |  |  |  |  |  |  | <asram:ValueMeasure> | |
|  |  |  |  | <asram:SpecifiedCISSupplyChainTradeAgreement> | | | | |
|  |  |  |  |  | <asram:ProgramCIMissionProject> | | | |
|  |  |  |  |  |  | <asram:IdentificationIdentifier> | | |
|  |  |  |  |  | <asram:SpecifiedCIMissionProject> | | | |
|  |  |  |  |  |  | <asram:IdentificationIdentifier> | | |
|  |  |  |  |  |  | <asram:PurposeCode> | | |
|  |  |  |  |  | <asram:AdditionalReferencedCIReferencedDocument> | | | |
|  |  |  |  |  |  | <asram:GlobalIdentificationIdentifier> | | | |
|  |  |  |  |  |  | <asram:IssuerAssignedIdentificationIdentifier> | | | |
|  |  |  |  |  |  | <asram:RevisionIdentificationIdentifier> | | | |
|  |  |  |  |  |  | <asram:URIIdentificationIdentifier> | | | |
|  |  |  |  |  | <asram:ContractReferencedCIReferencedDocument> | | | |
|  |  |  |  |  |  | <asram:GlobalIdentificationIdentifier> | | |
|  |  |  |  |  | <asram:SpecifiedCITradeBusinessFlag> | | | |
|  |  |  |  |  |  | <asram:TypeCode> | | |
|  |  |  |  |  |  | <asram:ValueIndicator> | | |
|  |  |  |  | <asram:SpecifiedCISDFLSupplyChainTradeDelivery> | | | | |
|  |  |  |  |  | <asram:ForecastedCISupplyChainSupplyPlan> | | | |
|  |  |  |  |  |  | <asram:CommitmentLevelCode> | | |
|  |  |  |  |  |  | <asram:TypeCode> | | |
|  |  |  |  |  |  | <asram:RequestedDeliveryCISupplyChainEvent> | | |
|  |  |  |  |  |  |  | <asram:LatestOccurrenceDateTime> | |
|  |  |  |  |  |  |  | <asram:OccurrenceDateTime> | |
|  |  |  |  |  |  |  | <asram:UnitQuantity unitCode="PCE"> | |
|  |  |  |  |  |  |  | <asram:OccurrenceCISpecifiedPeriod> | |
| ➑ |  |  |  |  |  |  |  | <asram:IdentificationIdentifier> | |
|  |  |  | <asram:ApplicableCISHSupplyChainTradeDelivery> | | | | | |
|  |  |  |  | <asram:ShipFromCITradeParty> | | | | |
|  |  |  |  |  | <asram:NameText> | | | |
|  |  |  |  | <asram:ShipToCITradeParty> | | | | |
|  |  |  |  |  | <asram:IdentificationIdentifier> | | | |
|  |  |  |  |  | <asram:NameText> | | | |

1. Example Message

 