

Supply Chain & Procurement Domain

08 October 2021

Automotive Project

SCRDM Scheduling and Delivery Extensions

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JAIF Automotive Messages

JAIF = Joint Automotive Industry Forum

Odette (Europe) – AIAG (North America) – JAMA/JAPIA (Japan)

JAIF Messages (EDIFACT)

Delivery Forecast (DELFOR)

Delivery Instruction (DELJIT)

Despatch Advice (DESADV)

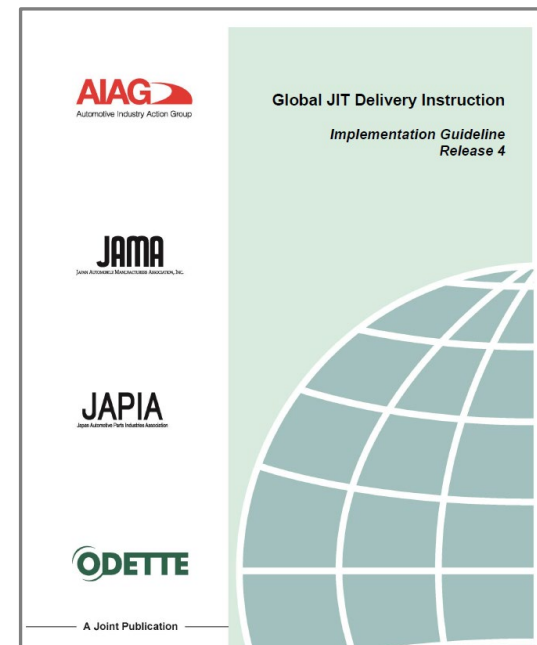
Receiving Advice (RECADV)

Invoice (INVOIC)

Remittance Advice (REMADV)

All based on our Joint Automotive Data Model (JADM)

Managed in GEFEG.FX



Mapping JADM to SCRDM

- Request from Odette members to develop XML versions of our JAIF Global Messages
 - To encourage digital message take up by suppliers further back in the automotive supply chain (T2/T3)
- Decided that we should take this opportunity to map our JADM to the CEFACR SCRDM
 - then use the SCRDM as the basis to generate XML versions of our messages
- Mapping exercise fairly straightforward with both Data Models being in GEFEG.FX
- We initially thought that we would probably be able to resolve any differences by submitting DMRs to CEFACR
- First mapping exercise comparing our Global DELFOR Guideline with Cross Industry Demand Forecast (CISDF) revealed a more fundamental structural problem
- Main problem is that JAIF DELFOR is Ship To driven with Part Numbers (Products) grouped under each Ship To whereas CISDF is Product driven with Ship To being an attribute of each Product/Trade Delivery

Mapping JADM to SCRDM

We approached CEFAC Supply Chain experts for advice on how to resolve the problem and it was decided to launch a project with the objective of ensuring that all Automotive requirements are included in the SCRDM and derived messages

Scope of CEFAC Automotive Project

Objective:

- Ensure all Automotive requirements are included in SCRDM and derived messages
- Processes covered by the project include:
 - Automotive Demand Forecast and Supply Instruction process
 - Automotive Despatch and Receiving process

Deliverables:

- Updated BRS for Scheduling
- Updated BRS for Delivery & Receiving
- Updated SCRDM Scheduling CCBDA Message Structure
- Updated SCRDM Delivery CCBDA Message Structure

Initial Timing Plan

- Project Inception – 14 October 2020
- Requirements gathering – completion 23 December 2020
- Draft development – completion 23 April 2021
- Public Draft Review – completion 23 June 2021
- Project Exit – completion 23 July 2021
- Publication – completion 23 August 2021

Participation

- From JAIF side:
 - Rob Exell – Odette International – Project Leader
 - Joerg Walther – VDA – Business & Data Modelling Expert
 - Michael Bogren – Odette Sweden – Business Expert
 - Jenny Hertzfeldt/Kalpana Raghupatruni – GEFEG – Modelling Experts
 - JAIF Messaging Sub-Group:
 - Volkswagen, Volvo Car, Volvo Truck, Hella, GALIA

- From CEFAC/SCRDM side:
 - Edmund Gray
 - Gerhard Heemskerck
 - Hisanao Sugamata
 - Samy Scemama
 - Sue Probert

- Both BRS Documents were reviewed by JAIF Messaging Sub-Group
 - No changes required to the various diagrams
 - No significant changes required in general descriptions of Business Processes
 - Some minor updates to wording and correction of some errors
 - More significant changes required in Business Requirements Lists
 - Difficult to decide how best to include our total requirements

- Updated Requirements Lists (RL) were produced by Jenny Hertzfeldt (GEFEG/VDA)

Scheduling Requirements Lists

- Only Demand Forecast and Supply Instruction RL were updated
- We have not changed Requirements Lists for:
 - Demand Forecast Response
 - Inventory Forecast
 - Supply Notification
 - Consumption Report

Despatch & Receive Requirements Lists

- Despatch Advice and Receiving Advice RL were updated

- We initially proposed a different way of displaying the Requirements Lists but this met with some resistance and was abandoned following discussions at the April Forum

We did propose a new way of displaying Requirements List

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5.3.1. Demand Forecast (DFO)

Table 5-6 Business Requirements List

Crd	Short Name	Business Requirement	
SCRDM CCBDA CISDF Message Structure			
0..1	Exchanged Document Context	The set of context parameters specified for a use of this master message assembly.	CISDF - 1 - Exchanged Document Context
0..1	Exchanged Document	The header document information for a use of this master message assembly.	CISDF - 2 - Exchanged Document
0..1	Supply Chain Trade Transaction	A supply chain trade transaction specified for a use of this master message assembly.	
<u>0..unbounded</u>	Included Trade Line Item	A trade line item included in this supply chain trade transaction.	CISDF - 3 - Included Trade Line Item
1..1	Header Trade Agreement	A trade agreement header applicable to this supply chain trade transaction, such as payment or delivery terms.	CISDF - 4 - Header Trade Agreement
1..1	Header Trade Delivery	A trade delivery header applicable to this supply chain trade transaction.	CISDF - 5 - Header Trade Delivery
<u>0..unbounded</u>	Included Forecast Delivery Schedule	Delivery scheduling details for this trade transaction.	CISDF - 6 - Included Forecast Delivery Schedule.pdf



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We did propose a new way of displaying Requirements List

- Clicking on link in the BRS document opens a pdf showing full requirements list

cisdf - 6 - included forecast delivery schedule.docx Business Requirements Specification Cross Industry Scheduling Process

Occurrence / Level	Element/Attribute	
	Included Forecast Delivery Schedule	
0 .. 1	3	<ul style="list-style-type: none"> Schedule Scope Code A character string (letters, figures or symbols) that for brevity and/or language independence may be used to represent or replace a definitive value or text of an Attribute together with relevant supplementary information.
0 .. 1	3	<ul style="list-style-type: none"> Ship To Party An individual, a group, or a body having a role in a business function. Party has a legal connotation in a business transaction.
0 .. unbounded	4	<ul style="list-style-type: none"> <ul style="list-style-type: none"> ID A unique identifier of this trade party.
0 .. 1	4	<ul style="list-style-type: none"> <ul style="list-style-type: none"> Name The name, expressed as text, for this trade party.
0 .. unbounded	4	<ul style="list-style-type: none"> Defined Contact Details A trade contact defined for this trade party.
0 .. 1	5	<ul style="list-style-type: none"> <ul style="list-style-type: none"> ID The unique identifier for this trade contact.
0 .. 1	5	<ul style="list-style-type: none"> <ul style="list-style-type: none"> Person Name The name, expressed as text, of this trade contact person.
0 .. 1	5	<ul style="list-style-type: none"> <ul style="list-style-type: none"> Type Code The code specifying the type of trade contact.
0 .. 1	5	<ul style="list-style-type: none"> Telephone Telephone communication information for this trade contact.
0 .. 1	6	<ul style="list-style-type: none"> <ul style="list-style-type: none"> Complete Number The text string of characters that make up the complete number for this universal communication.
0 .. 1	5	<ul style="list-style-type: none"> Direct Telephone The direct telephone communication information for this trade contact.
0 .. 1	6	<ul style="list-style-type: none"> <ul style="list-style-type: none"> Complete Number The text string of characters that make up the complete number for this universal communication.
0 .. 1	5	<ul style="list-style-type: none"> Fax Fax communication information for this trade contact.
0 .. 1	6	<ul style="list-style-type: none"> <ul style="list-style-type: none"> URI The Uniform Resource Identifier (URI), such as a web or an email address, for this universal communication.
0 .. 1	5	<ul style="list-style-type: none"> Email Address The email URI communication information for this trade contact.
0 .. 1	6	<ul style="list-style-type: none"> <ul style="list-style-type: none"> URI The Uniform Resource Identifier (URI), such as a web or an email address, for this universal communication.
0 .. 1	4	<ul style="list-style-type: none"> Postal Address The postal address for this trade party.
0 .. 1	5	<ul style="list-style-type: none"> <ul style="list-style-type: none"> Postcode A code specifying the postcode of this trade address.
0 .. 1	5	<ul style="list-style-type: none"> <ul style="list-style-type: none"> Line One The first free form line, expressed as text, of this trade address.
0 .. 1	5	<ul style="list-style-type: none"> <ul style="list-style-type: none"> Line Two The second free form line, expressed as text, of this trade address.
0 .. 1	5	<ul style="list-style-type: none"> <ul style="list-style-type: none"> Line Three The third free form line, expressed as text, of this trade address.
0 .. 1	5	<ul style="list-style-type: none"> <ul style="list-style-type: none"> Line Four The fourth free form line, expressed as text, of this trade address.
0 .. 1	5	<ul style="list-style-type: none"> <ul style="list-style-type: none"> Line Five The fifth free form line, expressed as text, of this trade address.
0 .. 1	5	<ul style="list-style-type: none"> <ul style="list-style-type: none"> Street Name A name, expressed as text, of a street or thoroughfare for this trade address.
0 .. 1	5	<ul style="list-style-type: none"> <ul style="list-style-type: none"> City Name The name, expressed as text, of the city, town or village of this trade address.
0 .. 1	5	<ul style="list-style-type: none"> <ul style="list-style-type: none"> Country Code The unique identifier of a country for this trade address.
0 .. 1	5	<ul style="list-style-type: none"> <ul style="list-style-type: none"> Country Sub-Division Code A unique identifier of the country sub-division for this trade address.
0 .. unbounded	4	<ul style="list-style-type: none"> Logistics Location A logistics related location or place specified for this trade party.
0 .. 1	5	<ul style="list-style-type: none"> <ul style="list-style-type: none"> ID A unique identifier for this logistics related location, such as a United Nations Location Code (UNLOCODE) or GS1 Global Location Number (GLN).
0 .. unbounded	5	<ul style="list-style-type: none"> <ul style="list-style-type: none"> Name A name, expressed as text, of this logistics related location.
0 .. 1	5	<ul style="list-style-type: none"> <ul style="list-style-type: none"> Type Code A code specifying the type of this logistics related location.
0 .. 1	5	<ul style="list-style-type: none"> Geographical Coordinates Geographical coordinate information for this logistics related location.
0 .. 1	6	<ul style="list-style-type: none"> <ul style="list-style-type: none"> Latitude The measure of the latitude as an angular distance north or south from the Equator meridian to the meridian of a specific place for this geographical coordinate (Reference ISO 6709).
0 .. 1	6	<ul style="list-style-type: none"> <ul style="list-style-type: none"> Longitude The measure of the longitude as an angular distance east or west from the Greenwich meridian to the meridian of a specific place (Reference ISO 6709).

Status since April Forum

- Requirements Lists returned to traditional method of display
- 25 May 21 - Updated BRS draft documents sent to all Project members
- Comments received from Gerhard Heemskerk and several subsequent exchanges between GH and JAIF project team.
- 8 June 21 - Both BRS documents approved by Bureau to go for Public Review with end date 8 August 21
- No comments received in Public Review
- 13 September 21 - added to agenda of 20 October Bureau for 'Project Exit'
- CR's arising from the project not yet submitted to CEFAC Library Maintenance process
- Work on preparing the submission will begin next week - 11 October