SCANIA

STD4172-1

STANDARD

Date	Issue	Info Class	Page
2020-04-29	1	Internal	1(11)

Approved by
OISE   Jonna Crona

Head of Corporate Standards
YDRC   Viktoria Alstig

Area specialist
OISE   Ronnie Brattfalk

Standardisation engineer
YDRC   Michaela Bundschuh

Distribution: Scania, Supplier

Scania Logistics Manual – Scania EDI

Contents

1 Scope

The Scania Logistic Manual (STD4172) describes what the Scania Production Units (PRUs) and Scania Parts Logistics demand from you as an Organisation that supply to Scania with respects to logistic issues. The STD 4172-series explain Scania's logistic processes in every aspect in order to keep a normal situation.

This standard is part of the STD4172-series "Scania Logistic Manual" and explains which standards, communication and policies are being used today both for Electronic Data Interchange (EDI) messages and the goods labels.

Scania applies Electronic Data Interchange for Administration, Commerce and Transport as a standard communication with its business partners to support the logistic flows between Scania, transports and the Organisations that supply parts, production material and invoicing to guarantee both continuous production and the constant supply of spare parts.

The standard used today for deliveries to Scania is EDIFACT, both for delivery instructions, despatch advice, transport orders and invoices. For goods labels Scania uses OTL and VDA 4902 and in some exceptional cases an EFR label can be used.

Odette Transport Label (OTL) refers to Scania templates based on Odette subsets of EDIFACT.

The STD 4172-1 will describe both topics in details.

Following IATF16949 terminology the suppliers delivering to OEM (customer) are called Organisations and tier 2- are defined as Suppliers.

Organisations should look at SSP for the latest message specifications.

2 Terms and definitions

Table 1 – Terms and abbreviations

ASN /AVIEXP/DESADV	ASN = Advanced Shipping Notice message; AVIEXP/DESADV = Despatch Advice message. It is EDIFACT Protocol's subset within EDI Standard. It means the Delivery Note sent by electronic way from supplier to Scania within EDI platform
Call-off	An order for dispatch. It is each delivery record in the delivery schedule. It indicates the article number (part number), date and quantity. - Regarding BATCH parts: each call off is the calculation output from the product volume breakdown to the stock policies, passing-by stock level; - Regarding SEQUENCE parts: each call off reflects the real need, based on production sequence.
DELINS/ DELFOR	EDI standard message within EDIFACT Protocol. DELINS = Delivery Instructions, DELFOR = Delivery Forecast
DS	Delivery schedules
EDI	Electronic Data Interchange of structured and standardised information between two different business parties
EDIFACT	Electronic Data Interchange for Administration, Commerce and Transport
EERP	End-to-End-Response.
EFPA	End-of-File-Positive-Answer.
EFR	Exemption From Requirement
INVOIC	The name of the EDI message for trade invoice
MP GMC LMA	Material Planner (This includes both local and global material planners) Global Material Controller Local Material Administrator
OFTP	Odette File Transfer Protocol.
Odette	Organisation for Data Exchange by Tele Transmission in Europe. Refers to both the European automotive industry body and the EDIFACT EDI standard subset for that industry.
OTL	Odette Transport Label.
PRU	Scania Production Unit
SSP	Scania Supplier Portal. The SSP is an important tool for communication and information sharing. It allows access to Scania's standards and manuals and is the link to Scania's WEB-based applications. The purchaser can provide the necessary information and access to be able to log onto the portal. http://supplier.scania.com/
SEU	Scania Europe
Sequence	Material Control Method where call-off is based on a pop-id (chassis number) send in a SYNCRO/ DELJIT message
SLA	Scania Latin America
STD	Abbreviation for Scania standard
SYNCRO/ DELJIT	Delivery Just in Time message. EDI message for sequence delivery
UNB	A part of EDIFACT syntax rules
VAN	Value Added Network company
VDA	VDA = Verband der Automobilindustrie. International Institution located in Germany and responsible for a set of regulations applied in worldwide industry.
VDA 4902	VDA regulation to standardise global transport label.

All terms and definitions are described in STD4172 "Scania Logistic Manual".

3   Goods Labels

All goods shipped to Scania shall be marked with approved transport labels. Information about these labels can be found on the Scania Supplier Portal.

Odette Transport Label (OTL) refers to Scania templates based on Odette subsets of EDIFACT. And OTL must be applied on all goods delivered to Scania PRUs.

In some exceptional cases, an Exemption from Requirement (EFR) would be used. For those cases, labelling information can be found in STD3868 and on SSP under Supplying to Scania >> Logistics >> Automotive Products >> Labelling >> Goods labels >>Label for EFR

Shipments of parts not fulfilling all requirements are only allowed with an approved allowance (EFR) in writing and when the material units are properly marked with the EFR label according to the instructions mentioned on SSP.

Additional information about label for serial delivery parts also can be found on SSP: Supplying to Scania >> Logistics >> Automotive Products >> Labelling >> Goods labels >> Odette Transport Label under the link: Supplying to Scania/EDI/Transport Labels as follows:

- Label for batch parts is included in the latest version of document "Scania profile OTL. See more information on topic 4.1.
- Label for sequence parts is included in the latest version of document "Scania profile OTL". See more information on topic 4.2.
- Label for parts delivery in KLT Packaging is included in the latest version of document "VDA 4902". See more information on topic 4.3.

Questions can be directed to the contact at purchase department or the material planner (MP).

3.1 Odette Transport Label (Batch)

In addition to this chapter there is more information in chapter 3.3 Odette Transport Label (Sequence) what is specific for some logistical flows, i.e. sequenced deliveries. The Odette Transport Label is to be used on all goods (sample parts and prototype parts excluded) packed in Scania packaging.

Data on the label shall be collected from the EDI delivery instruction message (DELFOR or DELINS) and shall correspond to data in the EDI despatch advice message (DESADV or AVIEXP). This is specified in Scania's OTL Specification on the SSP. In case data transmission is not established the corresponding information shall be collected from the manual delivery schedule received by email or fax. This is ONLY valid for prototype or new Suppliers where EDI or WebEDI is not yet implemented. EDI is mandatory for Scania Suppliers.

3.2 Odette Transport Label (Sequence)

This section describes what is specific in conjunction with despatches where the DELJIT/SYNCRO message is used.

The most important differences from the common transport label specification are the use of a manufacturing reference number in the logistics reference area and additional destination details in the dock and gate area. And instead of Part No. "SEQUENCE" is written in the Part number area.

Please note that to some extent this application differ from the official Odette Transport Label specification. When this is the case, it is mentioned in the specifications found at SSP.

3.3 VDA 4902 KLT Packaging

All goods (excluding test articles and sample products) packed in Scania KLT packaging must be marked with a VDA Transport Label when EDI is used for dispatch advice messages. The VDA

Transport Label is used on individual KLT units (in the dedicated holder) and can be put on mini- and small box as well, where the adhesive is used. Note: It is demanded to use labels/stickers nominated by Scania.

Pallets delivered to Scania must be marked with a Master label and all marking of pallet units with Master labels is done according to Scania profile of Odette Transport Label Version 1, revision 4.

Data on the label shall be collected from the EDI delivery instruction message (DELFOR or DELINS) and shall correspond to data in the EDI dispatch advice message (DESADV or AVIEXP). This is specified in samples found in the VDA 4902 Specification on SSP. In case data transmission is not yet established the corresponding information shall be collected from the manual delivery schedule.

4 EDI Communication

Organisations that supply to Scania shall use EDI communication. WebEDI can be used during the start-up of a new Organisation as a parts supplier or an Organisations that are supplying a small number of parts. Exchangeable EDI standard messages between Scania and other Organisations are explained in chapter 6 *Message Standards*.

The most recent message specifications can be found on Scania Supplier Portal – *under Supplying to Scania – EDI – EDI Messages.*

When Organisations are going to start exchange of EDI messages with Scania the correct parameters are required.

Scania sends an electronic survey to retrieve connection parameters and provide Scania's Connection Parameters. The survey is sent out when the Purchaser has given approval to our EDI Team.

In the document *OFTP2 Specification* on the SSP the Organisation can find information regarding Scania's OFTP2 parameters.

Also the UNB Addresses (also known as Electronic addresses) for Scania's different Production Units can be found in the document Scania Production Units (PRU) which is also found on the supplier portal under *Supplying to Scania – EDI – EDI Gateway Documents*.

The Organisation shall be able to receive daily EDI messages.

Despatch advices shall be sent within one hour after pick-up of the goods.

One despatch advice and one invoice should be sent for each shipment.

Organisations can contact their MP and EDI support channels regarding any EDI-related issues.

Technical support/questions regarding the content of the EDI messages used can be sent to:

- Europe: support@edi.scania.com
- Latin America: edisla.supplychain@scania.com

For new Organisations, EDI is mandatory. For current Organisations that supply to Scania that do not have a working EDI-connection shall e-mail the delivery note every time when the parts are shipped.

For current and new organisations, Scania should at all times be informed regarding changes made in the organisations systems.

A change in the systems could lead to a re-implementation of the supplier with testing of all EDI messages.

4.1 Exceptions from EDI Communication Standard

It is mandatory for all Organisations in Latin America to use EDI communication. It is also a barring criteria to start up (potential) new Organisations as Scania part's Suppliers. Without EDI, it is not possible to handle the data volumes required, supporting normal situation according to Scania Production System (SPS).

WebEDI for Scania Latin America can be used ONLY as exception, temporarily, in very special cases.

4.2 Scania EDI-communication policy

4.2.1 Point to Point standards

Scania's basic policy concerning EDI communication is to use point-to-point communication between Scania and each Organisation that supply to us, according to the Odette File Transfer Protocol (OFTP2) and public TCP/IP.

The exchange of OFTP End-of-File-Positive-Answer (EFPA) acknowledgement shall control the exchange of data processing responsibilities. The OFTP End-to-End-Response (EERP) acknowledgement shall be exchanged. Both parties shall apply dial-out for outgoing messages.

4.2.2 VAN Service Companies

Scania's policy is to establish EDI relations with Organisations who use services from a Value Added Network company (VAN) as a part of their total EDI solution. The VAN shall to no extent be regarded as part of Scania's EDI solution or as a shared service. It is the responsibility of the Organisation to ensure that the communication to and from the VAN, as well as the VAN's internal operations are working.

Scania will not have any business relationships/EDI agreements with the VAN service company. Business relationships/EDI agreements will only be established between Scania and our Organisations. Scania will not pay for any costs that may occur in the relationship between a VAN service company and the Organisation that delivers parts to Scania, nor will we accept any additional costs in the traffic between Scania and the VAN. Organisations that supply parts to Scania are themselves fully responsible that the Scania position is properly regulated in their agreements with VAN-service companies.

For the data communication between Scania and the VAN-service the same principles as for point-to-point standards shall apply. However Scania prefers to use VAN service companies who give End-to-End Response (EERP) when the message has reached the final receiver's VAN-Mailbox. Use of VAN-services shall be approved by Scania's central EDI department.

This policy is valid for all EDI-communication with Scania.

5 Message Standards

5.1 EDI Messages – Delivery Schedules

Message	Description
DELFOR D96A	Scania's standard based on EDIFACT. It contains Delivery instructions for firm and forecast deliveries
DELFOR D04A	Global EDI Under development

5.2 EDI Messages – Sequence Schedules (JIS/JIT)

Message	Description
DELJIT D96A	Scania's standard based on EDIFACT. It contains information for deliveries using "Just In Time" sequence.
DELJIT D04A	Global EDI message under development. (Released 2020)

5.3 EDI Messages – Despatch Advices

Message	Description
DESADV D96A	Scania's standard based on EDIFACT. It contains Despatch Advice information for deliveries to Scania.
DESADV D07A	Global EDI standard (Sequence deliveries)
DESADV D07B	Global EDI Under development for Batch Suppliers

5.4 EDI Messages – Invoicing

Message	Description
INVOIC D03A	Global Invoice for Invoicing to Scania
INVOIC D07A	Global EDI Under Development

5.5 EDI Messages – Engineering Data Exchange

Message	Description
ENGDAT V2	ENGDAT Version 2

5.6 EDI Messages – Under Phaseout / No new implementations

Message	Description
ENGDAT V1	ENGDAT Version 1 (No new implementations)
DELINS	Odette standard, Exists but under phaseout
AVIEXP V.3	Odette standard, Exists but under phaseout
SYNCRO 3 OD	Odette Sequenced message standard, Exists but under phaseout
INVOIC OD3	Odette standard, Exists but under phaseout
INVOIC D96A	EDIFACT standard, Exists but under phaseout

5.7 EDI Messages – Scania Latin America

Message	EDI Standard	Description
DELINS/DELFOR	RND01, version 6, ANFAVEA Protocol	Delivery Schedule for batch parts
SYCRO/DELJIT	RND12, version 6, ANFAVEA Protocol	Sequence Delivery Schedule
ASN/ AVIEXP/DESADV	RND04, version 6, ANFAVEA Protocol	Despatch Advice message, which means the **Delivery Note**.

NOTE.: also the XML files support INVOIC. The files are sent to Scania Brazil.
scania_nfe_br@scania.com

6 Approval of EDI and Goods labels

Scania has an implementation process in place for all new organisations that supply parts. This implementation process is part of the Scania purchasing process when on-boarding a new organisation.

6.1 Communication and messages

During the implementation of EDI towards an organisation there are 4 steps in order to have EDI setup between Scania and the organisation.

- Communication
    - Setup and verify a working electronic communication
- Delivery Schedule
    - Scania sends a test delivery schedule to the external organisation
- Despatch Advice
    - The organisation sends back a correct despatch advice according to the test delivery schedule
    - Incoming despatch advices from the organisation will be sent to Scania's test environment until the first real despatch advice has been sent to Scania and approved.
- Invoice
    - The organisation sends back a correct invoice according to the test despatch advice.
    - Incoming invoices from the organisation will be sent to Scania's test environment until the first real invoice has been sent to Scania and approved.
    - Fourteen days before start of production-wise transmission of an INVOIC, the supplier has to submit a written payment instruction as regards, means and ways of payment and account.
        - Any change of such information also has to be advised to us in writing, well in advance
        - These instructions are to be submitted in writing, signed by person authorized to do this.

6.2 Goods labels

Before transport labels are used in production, samples shall be sent to Scania for approval. The Organisation that will start to supply to Scania is responsible for providing labels with bar codes that meet the specifications (See chapter 3). To verify that bar code symbols meet the specifications, Scania recommends the use of a bar code verifier.

1. First in a PDF format to support@edi.scania.com.

2. After approval of the digital copy, a physical sample needs to be sent by post to:

OISE, Scania CV AB
15187 Södertälje
Sweden

Samples shall be sent to support@edi.scania.com.This includes all organisations that sends parts to NBF.

Organisations located in America shall send label samples for approval to: ls.ma@scania.com and edisla.supplychain@scania.com.

6.3 Changes to hardware and/or software

New samples of labels and messages needs to be sent to Scania for approval when,

- When changing hardware and/or software for printing of transport labels
- When changing EDI system or making changes to any part that involves messages sent to Scania.

7 Referenced documents

7.1 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the issue cited applies. For undated references, the latest issue of the referenced document (including any amendments) applies.

STD3868	*Scania Customer Requirement*
EDI Gateway Documents	*Documentation found on Scania's Supplier portal*
OFTP2 SPECIFICATION	Odette Transport Label specification for Batch Suppliers
SCANIA PRODUCTION UNITS (PRU)	Documentation of Scania PRU (UNB and Consignee codes)
PARTNER ENGINEERING EDI EXCHANGE	Documentation of Engineering Data Exchange
ENGINEERING EDI EXCHANGE	Documentation of Engineering Data Exchange
Goods Labels specifications	
Batch Odette Transport Label	OTL specification for Organisations supplying in batch
OTL Odette Sequence Label	OTL specification for Organisations supplying in sequence
VDA 4902	VDA Transport Label used for KLT packaging labelling.
EDI Message specifications	
DELFOR/Schedule D96A	DELFOR specification for Batch and Sequence deliveries
DELFOR/DELINS D96A	DELFOR specification for Spare Parts deliveries
DELJIT D.96A	DELJIT specification for Sequence deliveries
Global DESADV	DESADV specification for Sequence deliveries
DESADV D.96A	DESADV specification for Batch and sequence deliveries
Global INVOIC	INVOIC specification for invoicing to Scania