

VDA	Working Group Structured Information and Data Exchange (SID) Inventory and Movement Report via EDI	4990
<p>Process description</p> <p>Transmission of Inventory and Movement Report via EDI with EDIFACT between suppliers, manufacturers and logistics service providers in the automotive industry.</p> <p>This recommendation defines the rules for the automated electronic exchange of inventory and movement information between automotive partners. It is the result of the project work of VDA Working Group KIT.</p> <p>Version 2.0, March 2022</p>		
AK SID		
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1. Introduction

Processes with and without inventory are used for delivery processes in the automotive industry.

This recommendation has been prepared alongside VDA 4987 (ASNs) in order to completely replace the previous recommendation VDA 4913. This became necessary in order to meet the increased process requirements of the different supply concepts and the increasing internationalisation of supply relationships.

This recommendation replaces in particular the following transaction types:

- "35" – Inventory report from ESP to supplier or customer
- "36" – Dispatch notification from ESP to supplier

In addition, it supports process variants that were not included in the 4913.

2. Process scenarios

There are a variety of processes in which stock information, in and out flows, and transfer posting information must be regularly exchanged between the partners involved in order to synchronize material management systems and to support scheduling and settlement processes.

Partner roles

The inventory management partner is always identified as the warehouse manager (NAD+WH). This information is a required field in the message.

The recipient of the inventory or movement report is always identified as the report recipient (NAD+GM) and is also mandatory in every message.

In addition, the shipper and/or ship-to party (NAD+SF and NAD+ST) as well as the buyer (NAD+BY) and the seller (NAD+SE) can be optionally identified.

If the supplier plants act as legally independent entities, the role Supplier and the role Supplier Plant are usually the same.

In the explanatory tables, the roles of the partners in the transactions are identified as follows:

SE – Supplier

BY – Buyer / Customer

SF – Goods dispatcher

ST – Goods recipient

WH – Warehouse manager – the partner thus marked is always the creator of the INVRPT message

GM – Recipient of the inventory or movement report (Controller)

UD – Goods are intended for ... (final recipient, e.g. factory of the customer in the ESP process)

MF – Manufacturer (e.g. plant of the supplier or supplier in the ESP process)

Status information

M - must

O - optional (can)

N - not used

Here are some **typical scenarios** that the message should support.

Case 1: Traditional supplier warehouse near the customer

For technical reasons, the warehouse is located close to the customer's works, possibly even on the customer's premises. The warehouse is however completely and systematically managed by the supplier (a service provider may be organisationally involved). The customer has an agreement with the supplier that defines minimum stock availability in the warehouse with a scope of X production days. The customer expects a daily inventory report. Warehouse outflows can be posted as normal shipping notifications or as part of a so-called daily delivery note (summarised RECADV issued by the customer).

	Lieferant		Liefer. Lager		Kunde - Werk		Kunde	
	Status	Rolle	Status	Rolle	Status	Rolle	Status	Rolle
INVRPT			M	WH	M	GM		
zusätzlich möglich	O	SE	O	SF	O	ST	O	BY

Table 1

Case 2: Commission or consignment warehouse (including VMI processes)

The warehouse is managed systemically by the customer. Minimum and maximum limits have been set for all parts. The inventory in the warehouse must always lie between these minimum and maximum values. The supplier organizes the replenishment, the delivery to the warehouse. Delivery scheduling is planned on the basis of the requirements transmitted by the customer (e.g. by DELFOR).

The customer sends movement notifications to the supplier, possibly with the resulting stock numbers

- Receipt of goods
- Transfer posting (e.g. to blocked or reserved stock etc.) without transfer of ownership
- Picking (transfer of ownership), return shipment, scrapping etc.

In addition, inventory reports may be transmitted at certain intervals.

The DESADV from the supplier to the customer can be used to notify inbound deliveries, but then usually serves only to simplify goods receipt postings.

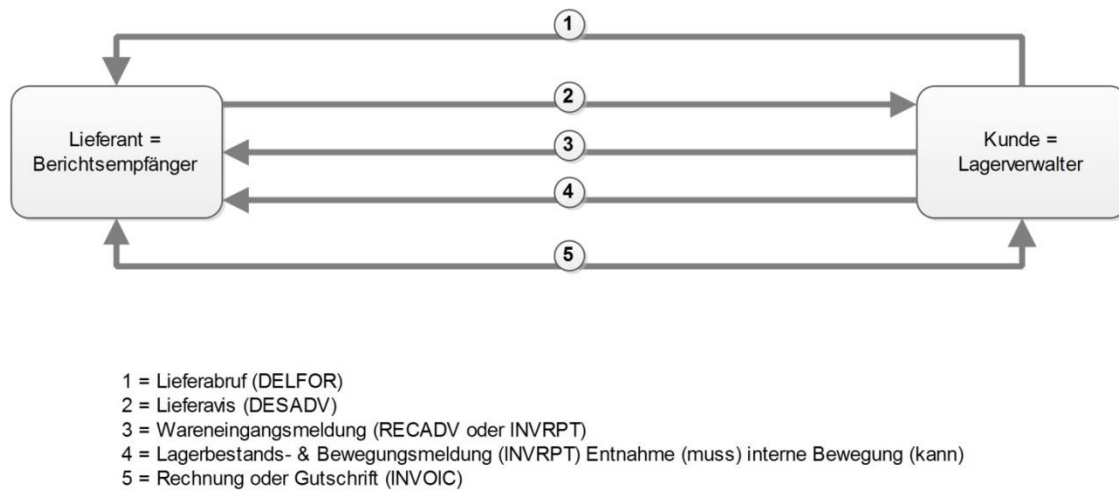


Figure 1 Message flow when using consignment stores

Table 2 Partner roles in consignment warehouse processes

	Lieferant		Liefer. Werk		Kunde - Werk		Kunde	
	Status	Rolle	Status	Rolle	Status	Rolle	Status	Rolle
INVRPT			M	GM	M	WH		
zusätzlich	O	SE	O	SF	O	ST	O	BY

Case 3: An external logistics service provider (ESP) manages the supplier warehouse

The ESP has its own warehouse management system and manages the warehouse operationally and systemically. The IT system of the ESP must be integrated with the IT system of the supplier. EDI messages are exchanged between ESP and supplier and ESP and customer. An EDI connection between supplier and customer is assumed.

The supplier, as the owner of the goods, must be able to trace all movements via postings according to the German principles of orderly accounting ("GoB").

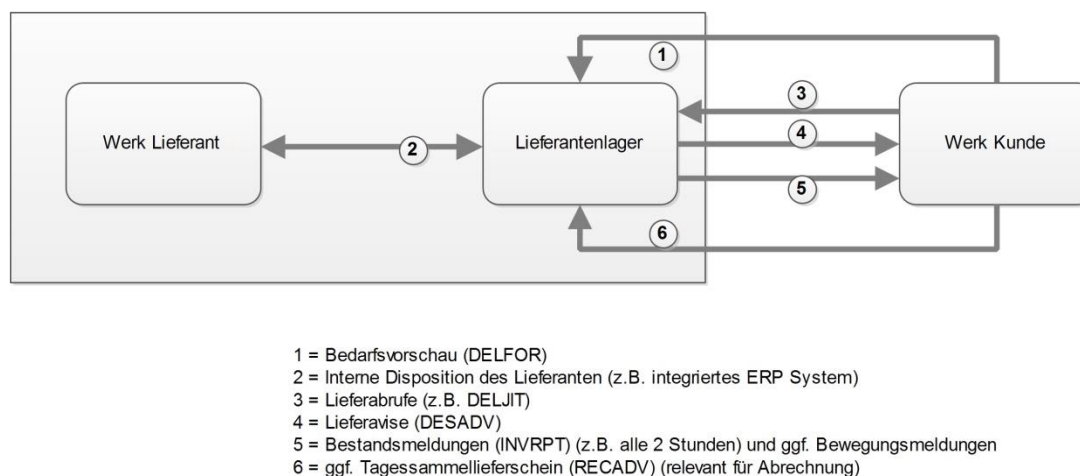


Figure 2 Supplier warehouse with ESP

Table 3 Messages and roles with ESP on behalf of the supplier

		Tier 1		Tier 1 Werk		EDL		OEM - Werk		OEM	
		Status	Rolle	Status	Rolle	Status	Rolle	Status	Rolle	Status	Rolle
1	Abruf DELFOR	M	SE	N	-	O	SF	M	ST	M	BY
1	Abruf DELJIT	O	SE	N	-	M	SF	M	ST	O	BY
2	DESADV	O	SE	M	SF	M	ST	O	UD	O	BY
3	RECADV	O	SE	M	SF	M	ST	O	UD	O	BY
4	INVRPT an OEM	O	SE	N	-	M	WH	O	ST	M	GM
5	DELJIT (JIS)	O	SE	N	-	M	SF	M	ST	O	BY
6	DESADV	O	SE	N	-	M	SF	M	ST	O	BY
7	INVRPT an Lieferant	O	SE	M	GM	M	WH	O	ST	O	BY
8	RECADV	O	SE	N	-	M	SF	M	ST	O	BY
9	INVOIC	M	SE	N	-	O	SF	O	ST	M	BY

Note in Table 4 that the OEM is at one point the recipient of the inventory/movement information (number 4) and at another point the Tier 1 supplier (number 7).

Case 4: An external logistics service provider (ESP) manages the customer warehouse

The ESP has its own warehouse management system and manages the warehouse operationally and systemically. The IT system of the ESP must be integrated with the IT system of the supplier. EDI messages are exchanged between ESP and supplier and ESP and customer. An EDI connection between supplier and customer is assumed.

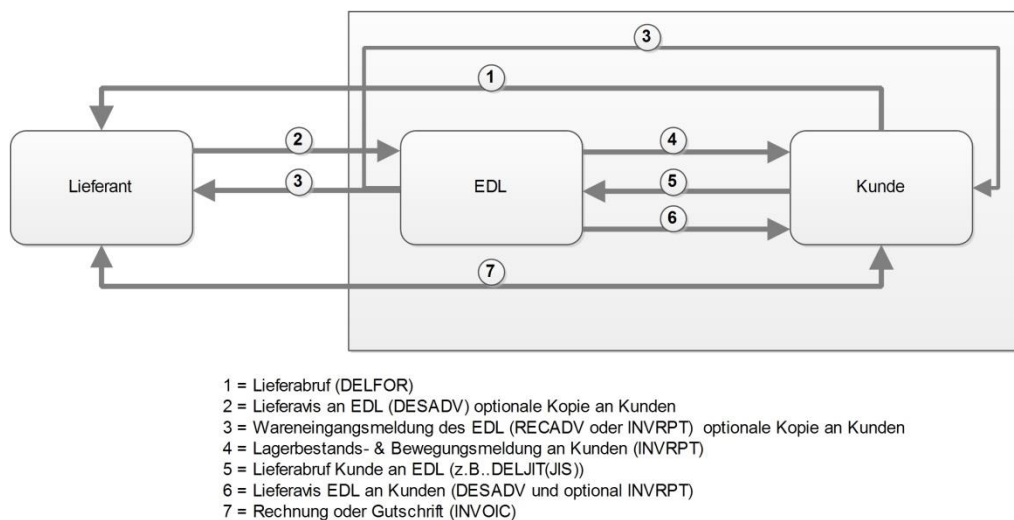


Figure 3 Customer warehouse with ESP

Table 4 Messages and roles in scenarios with ESP on behalf of the supplier

		Tier 1		Tier 1 Werk		EDL		OEM - Werk		OEM	
		Status	Rolle	Status	Rolle	Status	Rolle	Status	Rolle	Status	Rolle
1	Abruf DELFOR	M	SE	O	SF	M	ST	N		M	BY
1	Abruf DELJIT	O	SE	M	SF	M	ST	O	UD	O	BY
2	DESADV	O	SE	M	SF	M	ST	O	UD	O	BY
3	RECADV	O	SE	M	SF	M	ST	O	UD	O	BY
4	INVRPT an OEM	O	SE	O	SF	M	WH	O	ST	M	GM
5	DELJIT (JIS)	O	MF	N		M	SF	M	ST	O	BY
6	DESADV	O	SE	N		M	SF	M	ST	O	BY
7	INVRPT	entfällt in diesem Prozess									
8	RECADV										
9	INVOIC	M	SE	O	SF	O	ST	N		M	BY

Cases 1 and 2 as well as cases 3 and 4 can be grouped together in terms of the basic requirements for the message exchange scenarios.

A possible message scenario for ESP processes is as follows:

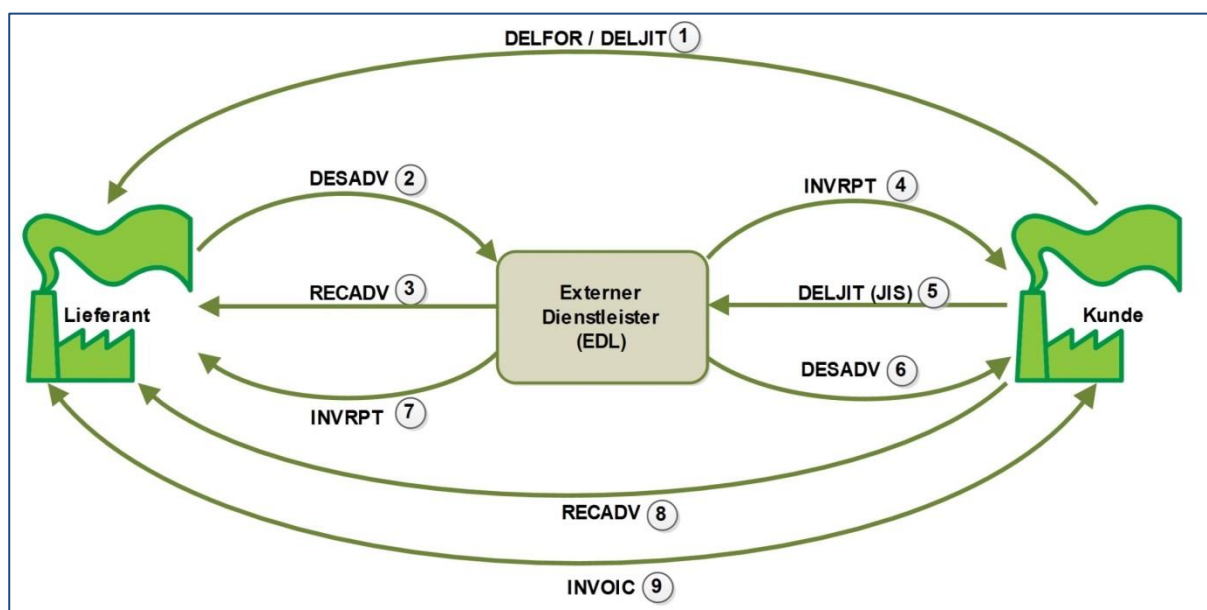


Figure 4 Message scenario in the ESP process

Case 5: Extended workbench

In this process, the ESP is commissioned to provide finishing or assembly services. The customer calls the assembly from the Tier 1 supplier. The supplier orders material from Tier 2 and informs the ESP about the orders. Tier 1 and Tier 2 deliver the corresponding components to the EDL, which carries out the finishing/assembly and delivers them physically to the customer. The transfer of ownership usually takes place on delivery by the EDL to the customer or installation/assembly of the delivered parts at the customer.

The recommended message scenario in this process is as follows:

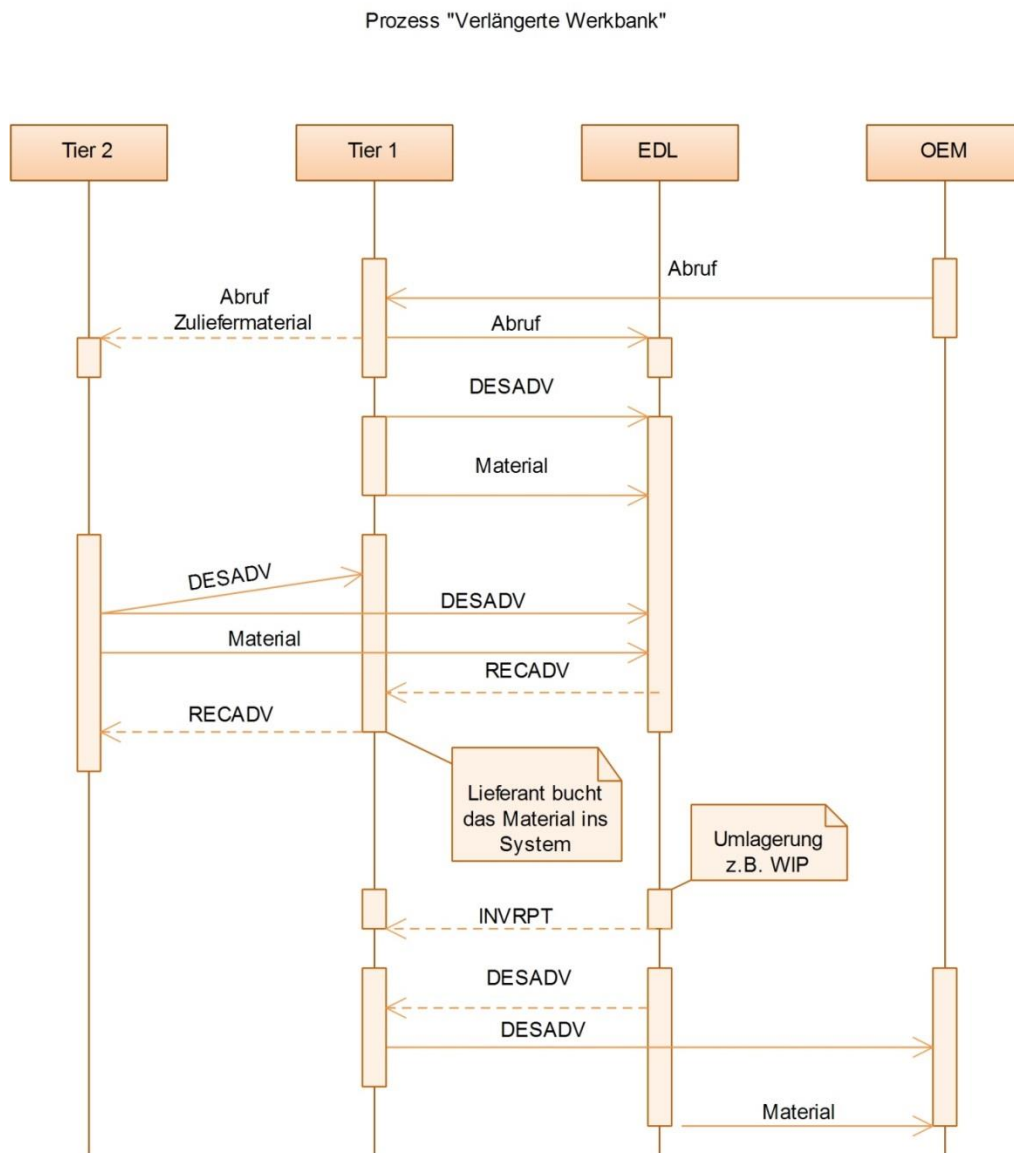


Figure 5 Communication during the "Extended workbench" process

Partner roles in the extended workbench process

Table 5 Messages and roles in the extended workbench process

	Tier 2		Tier 1		Tier 1 Werk		EDL		OEM - Werk		OEM	
	Status	Rolle	Status	Rolle	Status	Rolle	Status	Rolle	Status	Rolle	Status	Rolle
Abruf (DELFOR)	N		M	SE	N		O	SF	M	ST	M	BY
Abruf Zuliefermaterial (z.B. DELFOR)	M	SE	M	BY	N		M	ST	N		N	
Abruf Dienstleistung (z.B. DELFOR)	N		M	BY	N		M	SE	M	ST	N	
Lieferavis Tier 1 an EDL (DESADV)	N		O	BY	M	SF	M	ST	O	UD	N	
Lieferavis Tier 2 an EDL (DESADV)	M	SF	O	BY	N		M	ST	O	UD	N	
Wareneingang EDL von Tier 1 (RECADV)	N		O	BY	M	SF	M	ST	O	UD	N	
Wareneingang EDL von Tier 2 (RECADV)	M	SF	O	BY	N		M	ST	O	UD	N	
Bestands-/Bew.meldung an Tier 1 (INVRPT)	O	SF	M	GM	O	SF	M	WH	N		N	
Lieferavis Tier 1 an OEM	N		O	SE	N		M	SF	M	ST	O	BY

In Table 5 it should be noted that either the plant of Tier 2 supplier or the plant of Tier 1 supplier is listed as the consignor of goods.

Case 6: “Wheels hotel”

In the so-called “wheels hotel”, a set of wheels assigned to a vehicle is stored by a service provider. When needed (e.g. in the case of summer to winter conversion and vice versa), the wheel set is removed and the other set is stored. Upon sale/change of vehicle ownership, the stored wheel set becomes property of the new vehicle owner, who decides on its final removal from the storage. The INVRPT message is used to make all movements in the wheels hotel traceable and support inventory taking. In practice, each wheel set owner can be the recipient of separate inventory and movement reports.

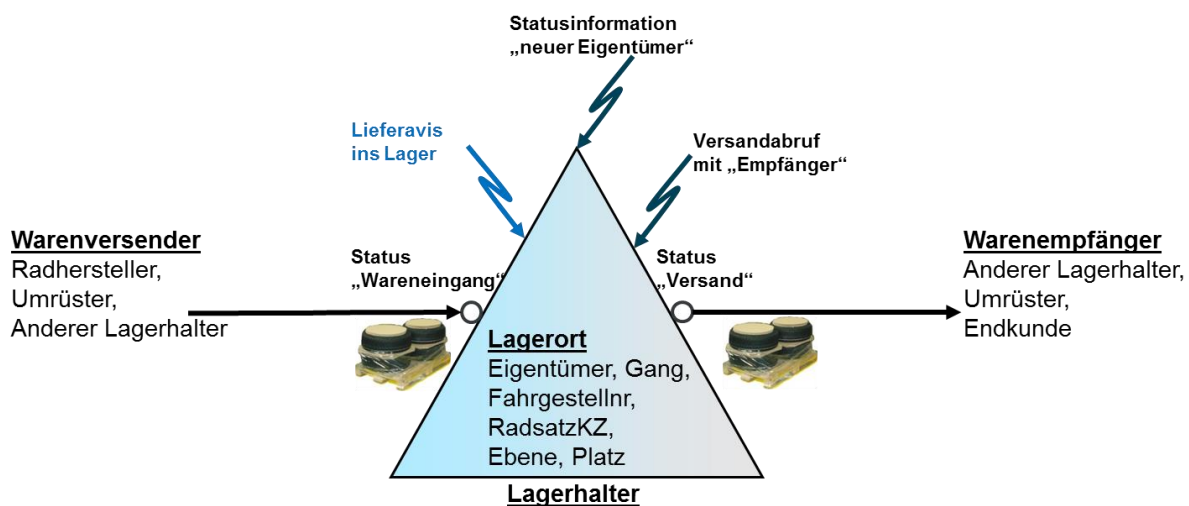


Table 6 Messages and partner roles in the "Wheels-Hotel" process

	Radhersteller Umrüster anderer EDL		EDL		OEM		Vertriebspartner	
	Status	Rolle	Status	Rolle	Status	Rolle	Status	Rolle
Lieferavis Radhersteller an EDL (DESADV)	M	SF	M	ST	O	BY	N	
Lieferavis Umrüster an EDL (DESADV)	M	SF	M	ST	O	BY	N	
Lieferavis anderer EDL an EDL (DESADV)	M	SF	M	ST	O	BY	N	
Wareneingang EDL an OEM (RECADV)	M	SF	M	ST	O	DU	N	
Bewegungsmeldung Lagerzugang an OEM (INVRPT)			M	WH	M	GM	N	
fahrzeugbezogener Abruf OEM an EDL (DELJIT/JIS)			M	WH	M	GM	N	
Bewegungsmeldung Lagerabgang an OEM (INVRPT)			M	WH	M	GM	N	
Verkaufsmeldung OEM an EDL (DELJIT/JIS)			M	WH	M	GM	N	
Bewegungsmeldung Lagerabgang an OEM (INVRPT)			M	WH	M	GM	N	
Bestandsmeldung an OEM (INVRPT)			M	WH	M	GM	N	
Bew.-Meldung Lagerzugang an Vertriebspartner (INVRPT)			M	WH			M	GM
Lieferavis EDL an Umrüster (DESADV)			M	SF	M	GM	O	ST
Lieferavis EDL an Vertriebspartner (DESADV)			M	SF	O	GM	M	ST

3. Processes/interaction of the various messages

1. An inventory report was generated and sent (calculated) at a certain point in time. The message is sent with qualifier 35 – Inventory report. The stocks were determined by calculation based on the postings.

2. A movement report is generated in the system for each warehouse movement. These messages are transmitted either individually or grouped for specific periods. The qualifier in the message is 78 - Inventory movements. The reason for each movement is specified.

In addition to the quantity of movement, the mathematically resulting stock can be specified in the respective item.

3. Periodically, new inventory reports can be created to synchronise inventory management between the warehouse keeper and the report receiver. These messages are constructed analogue to 1.

Special legal requirements for inventory reporting: the goods owner must carry out a physical inventory at the place of storage once a year. If this task is delegated to a third party (e.g. the EDL), it must report the actual inventory to the owner. Stock differences must then be corrected (derecognised).

The following steps are necessary during an inventory:

4. Transmission of calculated stocks (see points 1 and 3 above)

5. Transmission of the counted stocks with qualifier 35 in the message. In the INV segment the stocks are marked as counted.

6. If necessary, an inventory correction is transferred as a movement notification (optional). The qualifier in the BGM segment is 78, in the INV segment the inflow/outflow is marked as an inventory difference.

Rule: Inventory differences are always transmitted in a separate message and must not be mixed with normal movements.

If INVRPT is used in a process in which transfer of ownership happens at stock withdrawal (e.g. from the consignment warehouse), this should be specified in the agreement between the supplier and the customer. In the message, this can then be represented by a bilaterally agreed process indicator. In this case, the INVRPT message can be billing-relevant as an alternative to DESADV or RECADV (depending on the process and agreement between the partners).

A typical scenario is shown in the following table:

The table shows the initial inventory, inflow, internal inventory movements and withdrawals as well as the inventory resulting at the end of the reporting period. Physical and logical storage locations are identified by the LOC+18 segment.

Table 7: Example of the development of inventories and individual movements

			QS		available		blocked	
Parts number	Date	Process	Mov.	Inventory	Mov.	Inventory	Mov.	Inventory
4711	01/05/2014	Inventory		0		0		0
Movement reports								
	02/05/2014	Inbound delivery 100 pcs.	+100	100				
	03/05/2014	Relocation QS ok	-100	0	+100	100		
	03/05/2014	Outbound delivery 50 pcs.			-50	50		
	04/05/2014	Damage in warehouse 20 pcs.			-20	30	+20	20
	05/05/2014	Scrapping 20 pcs.					-20	0
Inventory report			Old	New	Old	New	Old	New
4711	06/05/2014	Inventory	0	0	0	30	0	0

4. Example Messages

Case 1: Traditional supplier warehouse near the customer

Roles

Supplier warehouse - WH

Customer plant - GM

UNA:+.? '	Service string advice
UNB+UNOC:X+1000+0009083534+20220916:1305+0000000001'	Header segment of the data exchange with ID of sender, recipient, date, time and ID of data exchange.
UNH+1+INVRPT:D:13A:UN:GAVJ20'	Message header with message number in exchange (1), message type, directory and guideline identifier
BGM+35::6:supplier warehouse (case 1)+0000770595+9'	Beginning of the message, type: Inventory report, process description, message number and identification as original.
DTM+137:201409161800:203'	Date and time of message
NAD+WH+1000::91++Supplier warehouse+Werkstr. 13+Berlin++10117+DE'	ID, name and address of supplier warehouse (warehouse manager, creator of the message)
NAD+GM+2000::92++Customer plant+Werkstr. 14+Berlin++10117+DE'	ID, name and address of customer plant (Controller, recipient of the message)
LIN+10++785-367:IN'	Item #10, part number of customer
INV+N/A'	Placeholder
QTY+145:1000:PCE'	Inventory: 1000 pieces
LOC+18+XA::Free own stock'	Warehouse: Free own stock
DTM+127:20140915:102'	Date of the last (previous) inventory report
INV+N/A'	Placeholder
QTY+145:100:PCE'	Inventory: 100 pieces
LOC+18+XB::Own QS stock'	Warehouse: Own QS stock
DTM+127:20140916:102'	Date of the last (previous) inventory report
INV+N/A'	Placeholder
QTY+145:0:PCE'	Inventory: 0 pieces
LOC+18+XA::Blocked own stock'	Warehouse: Blocked own stock
DTM+127:20140916:102'	Date of the last (previous) inventory report
LIN+20++765-345:IN'	Item #20, part number of customer
INV+N/A'	Placeholder
QTY+145:500:PCE'	Inventory: 500 pieces
LOC+18+XA::Free own stock'	Warehouse: Free own stock
DTM+127:20140915:102'	Date of the last (previous) inventory report
INV+N/A'	Placeholder
QTY+145:10:PCE'	Inventory: 10 pieces
LOC+18+XB::Own QS stock'	Warehouse: Own QS stock
DTM+127:201409160244'	Date of the last (previous) inventory report
INV+N/A'	Placeholder
QTY+145:0:PCE'	Inventory: 0 pieces
LOC+18+XA::Blocked own stock'	Warehouse: Blocked own stock
DTM+127:201409160244'	Date of the last (previous) inventory report
UNT+32+1'	End of message 1, 32 segments
UNZ+1+0000000001'	End of the interchange 0000000001, a message in the data exchange

Case 2: VMI consignment warehouse at the customer - inventory report

The customer sends the supplier an inventory report relating to parts in the VMI warehouse.

Roles

VMI-Warehouse - WH

Supplier plant - GM

Ship-to party - ST

UNA:+.? '	Service string advice
UNB+UNOC:X+1000+0009083534+20220916:1305+0000000000'	Header segment of the data exchange with ID of sender, recipient, date, time and ID of data exchange.
UNH+1+INVRPT:D:13A:UN: GAVJ20'	Message header with message number in exchange (1), message type, directory and guideline identifier
BGM+35::6:VMI-consignment warehouse at the customer+0000770595+9'	Beginning of the message, type: Inventory message, process description, message number and identification as original.
DTM+137:201409160:203'	Date and time of message
NAD+WH+2000::91++Customer plant+Werksstr. 13+Berlin++10117+DE'	ID, name and address of VMI warehouse at the customer (warehouse manager, creator of the message)
NAD+GM+1000::92++Supplier+Werksstr. 14+Berlin++10117+DE'	ID, name and address of supplier plant (Controller, recipient of the message)
NAD+ST+K5M::92'	Ship-to party (customer's plant number)
LOC+11+ABLAD1::92'	Unloading point
LIN+10++A2C53041436:IN'	Item #10, part number of customer
PIA+1+934055207115:SA'	Part number of the supplier
INV+N/A'	Placeholder
QTY+145:41609:PCE'	Inventory: 41609 pieces
LOC+18+YB::Consi stock in QS warehouse'	Warehouse: Consi stock in QS warehouse'
DTM+127:201409160244:203'	Date & time of last (previous) inventory report
INV+N/A'	Placeholder
QTY+145:927000:PCE'	Inventory: 927000 pieces
LOC+18+YA::Free consi stock'	Warehouse: Free consi stock
DTM+127:201409160244:203'	Date & time of last (previous) inventory report
INV+N/A'	Placeholder
QTY+145:0:PCE'	Inventory: 0 pieces
LOC+18+YC::Blocked consi stock'	Warehouse: Blocked consi stock
DTM+127:201409160244:203'	Date & time of last (previous) inventory report
INV+N/A'	Placeholder
QTY+145:0:PCE'	Inventory: 0 pieces
LOC+18+XA::Free own stock'	Warehouse: Free own stock
DTM+127:201409160244:203'	Date & time of last (previous) inventory report
INV+N/A'	Placeholder
QTY+145:0:PCE'	Inventory: 0 pieces
LOC+18+XB::Own stock in QS warehouse'	Warehouse: Own stock in QS warehouse
DTM+127:201409160244:203'	Date & time of last (previous) inventory report
INV+N/A'	Placeholder
QTY+145:0:PCE'	Inventory: 0 pieces
LOC+18+XA::Blocked own stock'	Warehouse: Blocked own stock

DTM+127:201409160244:203'	Date & time of last (previous) inventory report
UNT+34+1'	Message trailer
UNZ+1+0000000000'	Interchange file trailer

Case 2: VMI consignment warehouse at the customer - movement report

UNA:+.?'	Service string advice
UNB+UNOC:X+A1102970:59:0008303072+B1234567+20220916:1311+0000000001'	Header segment of the data exchange with ID of sender, recipient, date, time and ID of data exchange.
UNH+1+INVRPT:D:13A:UN:GAVJ20'	Message header with message number in exchange (1), message type, directory and guideline identifier
BGM+78:::Consi warehouse mov.report (case 2)+ 50004552	Beginning of the message, type: Movement report, process description, message number and identification as original.
DTM+137:20140423:102'	Date and time of message
NAD+WH+2000::91++VMI warehouse at the customer+ Werksstr. 14+Berlin++10117+DE'	ID, name and address of VMI warehouse at the customer (warehouse manager, creator of the message)
NAD+GM+1000::92++Supplier plant+ Industriestraße 13+Hamburg++20112+DE'	ID, name and address of supplier plant (Controller, recipient of the message)
NAD+ST+K5M::92'	Ship-to party (customer's plant number)
LOC+11+ROG K01::92'	Unloading point
LIN+1++A2C53409616:IN'	Item #1, part number of customer
PIA+1+987654321:SA'	Part number of the supplier
IMD+++:::Stop left:::de'	Designation
INV+1++11'	Type of movement: Stock issue, consumption
QTY+156:2500:PCE'	Amount: 2500 pieces
QTY+145:22500:PCE'	Resulting inventory: 22500 pieces
LOC+18+YA'	Warehouse identification: YA
DTM+179:201404221430:203'	Posting date and time
RFF+TN:50004552'	Transaction reference / booking number
RFF+DQ:14065105:10'	Delivery note number
RFF+ON:0005004374'	Framework contract number
INV+2++1'	Type of movement: Stock ingress, goods receipt
QTY+156:3000:PCE'	Amount: 3000 pieces
QTY+145:25500:PCE'	Resulting inventory: 25500 pieces
LOC+18+YA'	Warehouse identification: YA
DTM+179:201404221630:203'	Posting date and time
RFF+TN:50004553'	Transaction reference / booking number
RFF+DQ:14065543:10'	Number of the original delivery note (in warehouse) and item
RFF+ON:0005004374'	Framework contract number
LIN+2++A2C53409818:IN'	Item #2, part number of customer
PIA+1+987654433:SA'	Part number of the supplier
IMD+++:::Stop right:::de'	Designation
INV+1++3'	Type of movement: Stock issue, scrapping
QTY+156:17:PCE'	Amount: 17 pieces
QTY+145:0:PCE'	Resulting inventory: 0 pieces

LOC+18+YC:::Blocked consi stock'	Warehouse identification: YC - blocked consi stock
DTM+179:201404221435:203'	Posting date and time
RFF+TN:50004553'	Transaction reference / booking number
RFF+DQ:14065115:20'	Number of the original delivery note (in warehouse) and item
RFF+ON:0005004375'	Framework contract number
UNT+38+1'	Message trailer
UNZ+1+0000000001'	Interchange trailer

Case 4: Steel warehouse - movement report

Roles:

Customer - GM

ESP operating the warehouse - WH

Ship-from party (supplier) - SF

Ship-to party (ESP) - ST

UNA:+.? '	Service string advice
UNB+UNOC:X+OD012345:59:123+987654321:1:LAFES+20221205:1446+144659+++++1'	Header segment of the data exchange with ID of sender, recipient, date, time and ID of data exchange.
UNH+123+INVRPT:D:13A:UN:GAVJ20'	Message header with message number in exchange (1), message type, directory and guideline identifier
BGM+78::6:Steel warehouse+123+9'	Beginning of the message, type: Movement report, process description (steel warehouse), message number and identification as original.
DTM+137:20140101:203'	Date and time of message
NAD+WH+0004041500::91++Warehouse manager+Warehousestrasse+City++12345+DE'	ID, name and address of warehouse (warehouse manager, message sender)
RFF+ANK:344745208'	DUNS number of the EDL
NAD+GM+21::91++AUDI AG++Ingolstadt+++DE'	ID, name and address of warehouse at the customer (controller, message recipient)
NAD+SF+0005185201::91++Alpine Stahl GmbH+Stahlstrasse+Munich+++DE'	ID, name and address of supplier (ship-from party)
RFF+ANK:300733706'	DUNS number of the supplier plant
NAD+ST+0004041500::92++Warehousemanager+Warehousestrasse+City++12345+DE'	ID, name and address of the ship-to party
LOC+11+ECL::92:External coil warehouse'	Unloading point acc. nomenclature of the customer
RFF+ANK:344745208'	DUNS number of the EDL
LIN+1++ EVB1N096840:IN'	Customer's part number
PIA+1+ST 1234 ABC:SA'	Part number of the supplier
PIA+5+123456:NB+5:XA:::272'	Batch number and other material properties (XA = thickness in mm)
ALI+DE'	Country of origin of goods: DE
DTM+X01:20141212:102'	Melting date
INV+1++2'	Type of transaction: Goods receipt in the warehouse
QTY+156:26600.000:KGM'	Quantity 26,6 t
LOC+18+XA:::Free own stock'	Warehouse identification: XA - Free own stock
DTM+179:20141512:102'	Posting date and time
UNT+21+123'	Message trailer
UNZ+1+144659'	Interchange trailer

Case 6: Wheels hotel

Roles

Customer (headquarters) - BY

Warehouse operator - WH

Customer plant - GM

UNA:+.?'	Service string advice
UNB+UNOC:X+SATLIM+8005955+202 20117:0515+0250602507'	Header segment of the data exchange with ID of sender, recipient, date, time and ID of data exchange.
UNH+1+INVRPT:D:13A:UN:GAVJ20'	Message header with message number in exchange (1), message type, directory and guideline identifier
BGM+78:::Wheels hotel+24902119'	Beginning of the message, type: Movement report, process description, message number and identification as original.
DTM+137:20140117:102'	Date and time of message
NAD+BY+OEM::92++Automobil GmbH+Hauptstraße7+Berlin++10212 +DE'	ID, name and address of customer
NAD+WH+8005955::92++Räderhotel AG+DR.-KURT-STEIM-STR. 35+SCHRAMBERG++78713+DE'	ID, name and address of warehouse manager (creator of the message)
NAD+GM+OEM::92++Automobil GmbH+OSTRING+LIMBACH- OBERFROHNA++09212+DE'	Recipient of the movement report (controller)
LIN+1++RADSATZ S:IN'	Item #1, part number of customer
INV+1++2'	Type of movement: Stock issue, outbound delivery
QTY+156:1:SET'	Movement quantity: 1 set
LOC+18+XA-123-987'	Warehouse location
DTM+179:201401161000:203'	Transaction / posting date and time
NAD+UD+DEV12345::92++Autohandel Hamburg'	Name of end customer
RFF+AAU:10000475'	Delivery note number
CPS+1'	Packaging data
PAC+1+:35+PAL0000'	1 package, type: pallet
PCI+17+++1J::5'	Data identifier on the label: 1J - Smallest packaging unit
GIN+BU+987654321'	Label number
GIR+4+WVWZZZ1TZW8765432:VV+R W5G:XA'	Chassis number and call group
UNT+19+1'	Message trailer
UNZ+1+0250602507'	Interchange trailer

5. Appendices**1. VDA 4990 - Appendix 1: EDIFACT-Guide INVRPT**