tedrive

Release
for
Production Material

**Specification and User Guide
for the
German tedrive Plants**

In compliance with the recommendation VDA 4905 of the German Association of the Automotive Industry (Verband der Automobilindustrie)

NOTICE

This brochure has been developed for exclusive use by our suppliers, to support their understanding of the EDI Procedures at tedrive Germany GmbH and tedrive Steering GmbH.

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List of abbreviations

ASN	=	Advance Shipping Note
EDI	=	Electronic Data Interchange
GSDB	=	Global Supplier Database
VDA	=	German Association of the Automotive Industry

1 General Introduction

The Electronic Data Interchange is business-process-driven and supports the logistic business process with the order, planning, distribution and payment cycle. The process is supported by many EDI messages.

This guideline is specifically designed to support our suppliers using the tedrive subset of the VDA 4905 standard message.

2 Applicability

The information contained in this document applies solely to tedrive Germany GmbH (Dueren plant) and tedrive Steering GmbH (Wuelfrath plant). If you are also in a business relationship with a tedrive plant outside of Germany, please ask your local contact in these plants for EDI Specifications.

3 Basic information of the Weekly Planning Release

VDA 4905 is a message, which is sent from a party who is planning the use or consumption of products to a party who has to plan for the supply of the products. The message gives the requirements regarding details for medium to long term scheduling of products. The schedule is used to determine raw and fabrication material authorization. This is based on the terms and conditions defined in a purchase order or contract.

3.1 Release Number

Release Numbers will be created the system with no specific pattern being applied. As defined in the VDA Standard, field 512/06 will carry the number of the last release that was transmitted.

3.2 Vendor code

All suppliers that have been in business with tedrive **prior to March 3rd, 2008** will keep their assigned Vendor Code. This is the code know as "GSDB-Code" at Visteon. It is made up of a four digit base, plus a fifth digit which offers an opportunity to – for example – distinguish different vendor addresses.
All suppliers that begin a business relationship with tedrive **after March 3rd, 2008** will receive a Vendor Code that is independent from the Visteon-assigned GSDB Code. Please contact your tedrive Purchasing Agent to receive this code.

3.3 Part number

Part numbers will be made up of variable length with a maximum length of 18 characters. **Starting at March 3rd 2008, Tedrive part numbers will be different from the ones used at Visteon!** You will receive details on the part numbers within a different communication.

Please enter the part number on the advice notes and in the advanced shipping note in the same structure as printed and transmitted on the releases of the destination plant.

3.4 The receiving plant / Customer Plant Code

All tedrive plants are identified by a 2-digit plant-code. The table below shows the plant codes used in EDI messages for the Dueren and Wuelfrath plants. These codes remain unchanged from the Visteon codes for the same plants.

Plant Code 5-digit	Plant Code 2-digit	Plant Name
0098A	4A	DUEREN
0133A	18	WUELFRATH

All data on the release authorization refers to plant and part number!
The plant is transmitted in record-type 512, field 03 as a 2-digit code.

It is absolutely essential that in every kind of documentation or data transmission the plant code and the part number are indicated!

3.5 Releasing Analyst

In field 512/12, tedrive will transmit an identification number of the employee that released the transmission. This employee is responsible for the release and will be able to answer questions on it.

Under certain circumstances, an identification of the analyst might not be available. In that case 512/12 will default to "TEDR".

3.6 Commitment for fabrication and material authorization

The release authorization for fabrication and raw material will be generated for each production part.

For each part it is defined in the purchase order or vendor contract for how many weeks tedrive will acknowledge the commitments. This information is also transmitted in record 515.

3.7 Part related data remarks

Tedrive might transfer plant-part number related data entered by the Material Control Analyst. For this purpose 20 positions are reserved in the remarks section, which will be transmitted from the 21st position of the third text string (record type 518, field 05).

3.8 Plant / Supplier related remarks

With these general remarks tedrive draws attention to special plant related conditions, e.g.:

• "Receiving closed at..."
• "No delivery at..."
• "Plant shut-down from...to..."

These remarks are transmitted in the second text-string (40 characters) and in the first 20 characters of the third text-string (record-type 518, field 04 and 05).

3.9 Over-/ Under delivery

O/U quantities will not be transmitted in a separate field. Quantities will be accumulated in the first segment.

3.10 Quantity per load unit

The "quantity per load unit" will be transmitted in record-type 517, field 05.

3.11 Data of the last delivery

The Advice Note data, Advice Note Number, date, quantity, cum shipped (cum shipped calculated in tedrive's system) will be transmitted according to the VDA-standard within record-type 513, fields 03-07.

Date, quantity, cum shipped refer to the latest recorded transaction at tedrive; this may not always be the last receipt, as long as further material is still in transit.

Attention: When tedrive's new ERP System goes live, data of the last received deliveries will not be migrated! This means that tedrive might not be able to transmit this data in its first release(s) from the new system. In this case, the transmission will default to the following values:

513/03: "000101"
513/04: "00000000"
513/05: "000101"
513/06: "0"

As soon as a first delivery comes in, tedrive will start transmitting the correct values in 513.

3.12 Release Run

For every part and every vendor tedrive generates releases on a weekly base. All releases are sent straight from the Data Centre to the supplier.

If there should have been a problem with the release or a mistake within it, another release might be transmitted before one week period. This corrected release will carry a pointer to the old release in field 511/05. The new release is to replace the old one.

3.13 Date Codes

According to the releasing standard various "date-codes" are used:

Date 000000　　　Identifies the last requirement field of a part number; the quantity field and all other fields remain blank.
Date 222222　　　Identifies that for these parts there is currently no requirement or the requirement cannot be calculated electronically.
Date 555555　　　Identifies that the following release fields contain release requirements, which are related to the **period** indicated in the release date.
The release date can show up as
YYWWWW
Requirements of the period from week WW to week WW
YYMM00
Requirements for month MM
YY00WW
Requirements for week WW

Field 512/14 will always be "L" (time period according to release date) as tedrive will always transmit dates for each requirement.

4 Record Layout of the Releasing Message and Description of the Data Elements with tedrive Requirements

Record Type	**511**	**Ver. 01**				
Description:	HEADER RECORD SUPPLIER RELEASING DATA					
Field	Format:	Definition	Length	C/M	Value	Notes
01	1-3	Type of Record	3	M	'511'	Constant
02	4-5	Version-Number	2	M	'01'	Constant
03	6-14	Customer Code	9	M	'TEDRIVE'	Constant, left justified.
04	15-23	Supplier Code	9	M	'P68PA'	Supplier Code as determined by tedrive. See section 3.2.
05	24-28	Transmission Number Old	5	M		Number of the last transmission
06	29-33	Transmission Number New	5	M		Number of this transmission; is incremented by 1 at each transmission
07	34-39	Transmission Date	6	M	071101	Format YYMMDD
08	40-45	Date for cumulative quantity received	6	K		Rollback date. Not used by tedrive.
09	46-128	Blank	83	M		Filler

Record Type	**512**	**Ver. 01**				
Description:	UNIQUE DATA ELEMENTS OF THE SUPPLIER RELEASE					
Field	Format:	Definition	Length	C/M	Value	Notes
01	1-3	Type of Record	3	M	'512'	Constant
02	4-5	Version-Number	2	M	'01'	Constant
03	6-8	Receiving Plant/Customer Plant Code	3	M	4A	Left justified, see 3.4.
04	9-17	Release Number New	9	M	123456	tedrive length 6 characters, left justified. See 3.1.
05	18-23	Release Date New	6	M		Format YYMMDD. Date of release generation.
06	24-32	Release Number Old	9	M	123456	tedrive length 6 characters, number of the last release
07	33-38	Release Date Old	6	M		Format YYMMDD. Date of the last release.
08	39-60	Customer Part number	22	M		tedrive length 18 characters, left justified, for more explanations see section 3.3.
09	61-82	Supplier Part number	22	C		Will not be transmitted by default, can be transmitted upon agreement.
10	83-94	Order Number	12	C		Underlying contract/order number.
11	95-99	Receiving Location	5	M	4A	tedrive length 2 characters, left justified, identifies the unloading plant of the material.
12	100-103	Book-Number	4	M		Analyst ID, for more explanations see section 3.5.
13	104-105	Unit of Measurement	2	M		"ST" = Piece, "KG" = Kilograms
14	106	Delivery Frequency Code	1	M	'L'	"L" as release dates are transmitted
15	107	Manufacturing Authority incl.	1	C		Not used by tedrive.
16	108	Material Authority incl.	1	C		Not used by tedrive.
17	109	Requirement Indicator	1	M	'S'	Always "S" (production material)
18	110-116	Account	7	C		Not used by tedrive.
19	117-123	Storage Location	7	C		Not used by tedrive.

Record Type	**513**		**Ver. 01**				
Description:	RECONCILIATION AND RELEASE DATA						
Field	Format:	Definition	Length	C/M	Value	Notes	
01	1-3	Type of Record	3	M	'513'	Constant	
02	4-5	Version-Number	2	M	'01'	Constant	
03	6-11	Date of Last-Recorded-Receipt	6	M		Format YYMMDD. Date of the last recorded shipment. For more explanations see item 3.11.	
04	12-19	Advice Note Number of Last Recorded Receipt	8	M		Advice note number of the last recorded shipment. For more explanations see item 3.11.	
05	20-25	Shipment Date of Last Recorded Receipt	6	C		The ASN transmissions are used. For more explanations see item 3.11.	
06	26-37	Quantity of Last Recorded Receipt	12	M		Quantity of the last recorded shipment. For more explanations see item 3.11.	
07	38-47	Cumulative Quantity	10	C		The year to date quantity achieved by the last recorded shipment. For more explanations see item 3.11.	
08	48-53	Release Date 1	6	M		Format YYMMDD. Normally advices the date of shipment or schedule. For more explanations see item 3.13	
09	54-62	Required Quantity 1	9	C		Quantity for fulfillment of demand	
10	63-68	Release Date 2	6	M		see 08	
11	69-77	Required Quantity 2	9	C		see 09	
12	78-83	Release Date 3	6	M		see 08	
13	84-92	Required Quantity 3	9	C		see 09	
14	93-98	Release Date 4	6	M		see 08	
15	99-107	Required Quantity 4	9	C		see 09	
16	108-113	Release Date 5	6	M		see 08	
17	114-122	Required Quantity 5	9	C		see 09	
18	123-128	Blank	6	M		Filler	

Record Type	**514**	**Ver. 01**				
Description:	ADDITIONAL REQUIREMENT					
Field	Format:	Definition	Length	C/M	Value	Notes
01	1-3	Type of Record	3	M	'514'	Constant
02	4-5	Version-Number	2	M	'01'	Constant
03	6-11	Release Date 6	6	M		see 08, record type 513
04	12-20	Required Quantity 6	9	C		see 09, record type 513
05	21-26	Release Date 7	6	C		see 08, record type 513
06	27-35	Required Quantity 7	9	C		see 09, record type 513
07	36-41	Release Date 8	6	C		see 08, record type 513
08	42-50	Required Quantity 8	9	C		see 09, record type 513
09	51-56	Release Date 9	6	C		see 08, record type 513
10	57-65	Required Quantity 9	9	C		see 09, record type 513
11	66-71	Release Date 10	6	C		see 08, record type 513
12	72-80	Required Quantity 10	9	C		see 09, record type 513
13	81-86	Release Date 11	6	C		see 08, record type 513
14	87-95	Required Quantity 11	9	C		see 09, record type 513
15	96-101	Release Date 12	6	C		see 08, record type 513
16	102-110	Required Quantity 12	9	C		see 09, record type 513
17	111-116	Release Date 13	6	C		see 08, record type 513
18	117-125	Required Quantity 13	9	C		see 09, record type 513
19	126-128	Blank	3	M		Filler

Record Type	**515**	**Ver. 01**				
Description:	DATA IN SUPPLIER RELEASE					
Field	Format:	Definition	Length	C/M	Value	Notes
01	1-3	Type of Record	3	M	'515'	Constant
02	4-5	Version-Number	2	M	'01'	Constant
03	6-11	Manufacturing Authority, Start-Date	6	M		Format YYMMDD. For more explanations see item 3.6.
04	12-17	Manufacturing Authority, End-Date	6	M		Format YYMMDD. For more explanations see item 3.6.
05	18-27	Manufacturing Authority, Cum Requirement	10	C		For more explanations see item 3.6.
06	28-33	Material Authority Start-Date	6	M		Format YYMMDD, For more explanations see item 3.6.
07	34-39	Material Authority End-Date	6	M		Format YYMMDD, For more explanations see item 3.6.
08	40-49	Material Authority Cum Requirements	10	C		For more explanations see item 3.6.
09	50-71	22	C			Not used by tedrive
10	72-80	Intermediate Consignee	9	C		Not used by tedrive.
11	81-86	Horizon End Date	6	M		Format YYMMDD.
12	97-128	Blank	42	M		Filler

Record Type	**517**	**Ver. 01**				
Description:	PACKAGING DATA					
Field	Format:	Definition	Length	C/M	Value	Notes
01	1-3	Type of Record	3	M	'517'	Constant
02	4-5	Version-Number	2	M	'01'	Constant
03	6-27	Packaging Code Customer	22	M		tedrive length 18 characters, left justified.
04	28-49	Packaging Code Supplier	22	C		Not used by tedrive.
05	50-56	Number of Parts per Pallet	7	M		Quantity in a delivery unit
06	57-128	Blank	72	M		Filler

Record Type	**518**	**Ver. 01**				
Description:	RELEASE REMARKS SECTION					
Field	Format:	Definition	Length	C/M	Value	Notes
01	1-3	Type of Record	3	M	'518'	Constant
02	4-5	Version-Number	2	M	'01'	Constant
03/1	6-33	Release Text 1	28	C		Part description.
03/2	34-42	Text1	9	C		Quantity of overshipment. For more explanations see item 3.9.
03/3	43	Text1	1	C	' '	Blank.
03/4	44	Text 1	1	C	'B'; '7', ' '	"B" = Balance out part, "7" = last release, " " (Blank) = neither balance out nor last release
03/5	45	Text 1	1	M	'F'	"D" = Shipping Days, "F" = Receiving Dates
04	46-85	Release Text 2	40	C		General remark to the release, max. 60 characters (20 characters in 05). See section 3.8.
05/1	86-105	Release Text 3	20	C		General remark to the release, continued from 04.
05/2	106-125	Text3	20	C		Part related remark. For more explanations see item 3.7 of the User Guide.
06	126-128	Blank	3	M		Filler

Record Type	**519**	**Ver. 01**					
Description:	SUPPLIER RELEASE TRAILER RECORD						
Field	Format:	Definition	Length	C/M	Value	Notes	
01	1-3	Type of Record	3	M	'519'	Constant	
02	4-5	Version-Number	2	M	'01'	Constant	
03	6-12	Record Counter Record Type511	7	M		Number of transmitted records, record type 511	
04	13-19	Record Counter Record Type512	7	M		Number of transmitted records, record type 512	
05	20-26	Record Counter Record Type513	7	M		Number of transmitted records, record type 513	
06	27-33	Record Counter Record Type514	7	M		Number of transmitted records, record type 514	
07	34-40	Record Counter RecordType517	7	M		Number of transmitted records, record type 517	
08	41-47	Record Counter Record Type518	7	M		Number of transmitted records, record type 518	
09	48-54	Record Counter Record Type519	7	M		Number of transmitted records, record type 519	
10	55-61	Record Counter Record Type515	7	M		Number of transmitted records, record type 515	
11	62-128	Blank	67	M		Filler	