

TecDoc Data Format

Data Format Version 2.4

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Change history

Source version	Target version	Published	Place of change	Short description of change
0.1	1.0	June 2012		Initial publication of the TecDoc Data Format Version 2.4
1.0	1.0.1	September 2012	Front page	Formal amendments in company address; E-Mail address = dmm-service@tecdoc.net
			Chapter "Format Changes"	Headline changed to "Format Changes"
			Table 401	Error correction: The field „SA“ is „constant “401”“
			Table 402	Error correction: The field „SA“ is „constant “402”“
			Table 403	Error correction: The field „SA“ is „constant “403”“
			Table 404	Error correction: The field „SA“ is „constant “404”“
			Table 410	Error correction: The field „SA“ is „constant “410”“
			Table 432	Error correction: The field „SA“ is „constant “432”“
1.0.1	1.0.2	January 2013	Chapter „Transport of data updates (Deltas)“	Italic amendments: „For the major releases, TecDoc always supplies only a complete data set (<i>delete-flag = 0</i>) for the time being;...“
1.0.2	1.0.3	March 2013	Chapter "General Information/Unicode "	Specification of the character set for ArtNo., TMNo.
			Table 404	Primary Key rectified
1.0.3	1.0.4	March 2013	Tables 206, 210, 410, 432	LKZ again removed from Primary Key, to be consistent with Format 2.2.
			Table 403	LKZ included in sorting

Source version	Target version	Published	Place of change	Short description of change
			Table 400	In comment NKWIDNr in HerIDNr rectified
			Table 222	<i>Exclude</i> changed into <i>Reserved</i>
1.0.4	1.0.5	March 2013	Document history	Correction: In table 403 <i>LKZ</i> (not: <i>SortNr</i>) has been included in sorting; publication months of document versions 1.0.3 and 1.0.4 translated to English (<i>March 2013</i>)
1.0.5	1.0.6	May 2013	Table „Format Changes“ / Version 2.4	„HerNr 5-digit → 6-digit“: „Nearly all tables“ replaced by detailed enumeration of affected tables
			Table „Format Changes“ / Version 2.4	„KTypNr/NTypNr 5-digit → 9-digit“: „Nearly all tables“ replaced by „Multiple tables“ and reference to detailed enumeration of affected tables under General Information on “9-digit KTypNr/NTypNr” added
			Table „Format Changes“ / Version 2.4	„Key-value-IDs“ replaced by „The field ‘key’ in Table 052“
			General information	„Key-value-ID“ replaced by „The field ‘key’ in Table 052“ and „field TBSNr in table 035“ added
			General information	Chapter on 9-digit „KTypNr/NTypNr“ added
			Front page	E-Mail address changed to support@tecdoc.net
			Content table	Page numbers updated
1.0.6	1.0.7	June 2013	Table 539	Correction in Headline: CV-ID numbers → manufacturer-ID numbers; Correction in Table: NKWID → HerIDNr
			Table 538	Correction in Headline: CV-ID numbers → manufacturer-ID numbers
1.0.7	1.0.8	April 2014	Table 301	Removal of limitation to 4 hierarchical levels
1.0.8	1.0.9	September 2014	Table 001	Correction in column “Description” of the attributes “Data Release” and “Referenzdaten”
			Table 042	Amendment in the description concerning the usage

Source version	Target version	Published	Place of change	Short description of change
				of "Dokumentenart" URL
			Table 233	Amendment in the description concerning the usage of "Dokumentenart" URL
			Tables 400, 401, 402, 403, 404, 410, 432	The reference to key table 271 is removed for the attribute "VknZielArt"
			Tables 206 and 210	Correction: GenArtNr removed from sorting and Primary Key with regards to the tables
1.0.9	1.0.9.1	January 2015	Table 206	Correction: GenArtNr line removed from table
1.0.9.1	1.0.9.2	February 2015	Table 100	Correction: Wrong length indications
1.0.9.2	1.0.10	December 2015	Table 410	Correction: Field "LKZ" is optional
1.0.10	1.0.10.1	January 2016	Table 208	Correction: "Exclude" is no more used as "LKZ" isn't used as well.
1.0.10.1	1.0.10.2	May 2016	Table 544	Correction in column "Pos"
1.0.10.2	1.0.11	September 2016	Table 012	LKZ is optional + Annotation on Primary Key
1.0.11	1.1.0	May 2017	Reference Data Tables	Delta Key Added
1.1.0	1.1.0.1	November 2017	Table 211 Table 400	Notes added Headline corrected to "Article Linkage" instead of "Article Search Tree Allocation"
1.1.0.1	1.1.0.2	December 2017	Table 231	Additional rules applied on the document type "URL"
1.1.0.2	1.1.0.3	January 2018	Table 232	Change in remark
1.1.0.3	1.1.0.4	March 2018	Table 014	Supplement(s) to new document types PNG/GIF
			Table 231	New validation: Size limitation
			Table 050	Precise rules for numerical criteria

Source version	Target version	Published	Place of change	Short description of change
			Table 100	Corrected length of records from 40 to 41
1.1.0.4	1.1.0.5	March 2018	Table 012	Bez: Type corrected to 'U'
			Table 051	BezNr: Type corrected to 'N'
1.1.0.5	1.1.0.6	April 2018	Table 402	Removed from Data Packages
1.1.0.6	1.1.0.7	May 2018	Table 210/410	"DMM" changed to "DMM R2 / PMD R2" kHerNr corrected to HerNr error correction: AnzSofort is mandatory
1.1.0.7	1.2	August 2018	Entire Document Tabelles 400 [...] Vorbemerkung	Farbliche Markierungen zu Änderungen von 2.2a nach 2.4 entfernt (2.2a läuft aus) Neue Werte im Feld VKNZlelArt erlaubt Änderungen sind farblich markiert Neuer Abschnitt am Beginn des Dokumentes
1.2	1.2.1	October 2018	Table 231 Multiple tables	Changes in validation rule for document type "URL" Pre-announceent for DR0519: extended Unicode support
1.2.1	1.2.2	November 2018	Table 231 400ff	Field "BildName" becomes type 'U' as of DR0519 Extension on field 'VKNZiewlArt' removed
1.2.2	1.3.0	March 2019	Chapter „Transport of data updates (Deltas)“ New chapter New table 115 Table 203	Annotation on suspension of delta-deliveries with DR0519 New section "Vehicle Classes", e.g. to explain the new table 115. Content: Detailed description of the existing vehicle tables in relation to the vehicle classes they contain. More precise annotation on identification of OE references
1.3.0	1.3.1	May 2019	Table 014, 231 Table 209	New Document Type 08 / ZIP /360° Grafics Old term EAN replaced by GTIN Annotations and rules refined

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TecDoc Data Format

General Information / Unicode

All information on record length refers to the **maximum** record length plus CR/LF.

A record may be shorter if the rest of the record consists only of blanks. However, records always end with a CR/LF (Carriage Return (decimal 13) / Line Feed (decimal 10) combination.

References to **Key Tables** within this format description are abbreviated with “**KT**”.

References to other **data tables** in the format description are marked with “->”.

New features in the version 2.4 are marked in blue.

With version 2.4, the format will be unicode-compatible. The following points have to be observed:

- From version 2.4, all data tables are coded in UTF-8.
- The full character set of Unicode may only be used in language-dependent fields in the tables 012, 030, 035 and 327. These fields are marked with the data type “U” in the column “Type”. This enables – at least for those languages supported with format 2.2 – a conversion into the format 2.2.
- All other fields are still limited to the character set of ISO 8859-1.
- The field ‘key’ in table 052 may only contain the characters A..Z, a..z and 0..9.
- ArtNr and TBSNr may contain the scope of 7-Bit ASCII (with the exception of control characters and TAB)

9-digit KTypNr/NTypNr

Of the 9 digits in the fields KTypNr/NTypNr, or their counterparts in VKN_VALUE and VknZielArt, currently only the last 6 digits are used for the numbering of vehicles. The first three digits remain unused until further notice and are to be filled with leading zeros "000" in the data exchange format.

Please Note: The field VKN_VALUE in the data table 222 is currently only 6 digits. This designing error was only noticed in April 2013 and will be rectified at the next format version. Due to the lack of time until the first pilot in the fall of 2013 the adaptation to 9 digits will not be done now.

Affected tables:

- 120 Vehicle types
- 121 KBA type allocation
- 122 Vehicle country restriction
- 123 TypeMine type allocation
- 124 Vehicle country specifications
- 125 Engine number allocation to vehicle types
- 126 Swiss type number allocation to vehicle types
- 127 Allocation of Dutch number plate to vehicle type
- 128 Allocation of Swedish number plates to vehicle types
- 129 Austrian NatCodes
- 144 Additional vehicle type descriptions
- 145 Build types
- 147 Drive type synonyms
- 164 Allocation of axle types to CV types
- 222 Accessory lists (VKN_VALUE) -> see note above
- 400 Article linkage (VknZielNr)
- 401 Search menu information texts (VknZielNr)
- 402 Linkages not to be displayed in certain countries (VknZielNr)
- 403 Country restriction of the linkage (VknZielNr)
- 404 Sorting of the linkage (VknZielNr)
- 410 Linkage attributes (VknZielNr)
- 432 Linkage-dependent graphics/documents (VknZielNr)
- 532 CV types
- 533 CV types country restrictions

- 534 CV country specific deviations
- 535 CV secondary types
- 536 CV secondary type country restrictions
- 537 CV types engine mapping
- 538 Mapping of CV to CV-ID numbers
- 539 Country restriction of the mapping of CV to CV-ID numbers
- 540 CV types voltages
- 543 Mapping of driver cabs to CVs
- 546 Mapping of transmssions to CVs
- 550 CV wheelbase
- 551 CV suspension
- 552 CV tyres
- 553 CV chassis

Transport of data updates (Deltas)

Annotation

As of Data Release 0519, the deltas are no longer delivered as documented below. The delta procedure will be revised and, if necessary, made available again at a later date in a modified form.

Version 2.4 supports the transport of data updates for the first time. Therefore, all tables supplied by the data supplier contain a delete-flag and a delta-key. (*)

The fields have to be interpreted as follows:

- If a table supplied with the delta contains one or more data records without delete-flag (delete-flag = 0), they **replace all data records with the same delta-key**. For example article attributes contained in the delta (table 210) replace all previous attributes of the article.
- If a data record contains a **delete-flag** (delete-flag = 1), all data records with the delta-key of this data record are to be deleted. This option is only used if information needs to be deleted without transmitting new information for the same delta-key.
- The delta-information is always transported per table; there is **no cascading** via the dependent tables. This means that the receiver of the data does not have to implement a table-overlapping logic. The only exception from this is table 001.

This approach enables creating a delta by simply juxtaposing two versions of one file without having to consider a complete data set.

With this, updating the data set always has to be done without gap. It is not possible to omit a delta as with the processing of the image deltas (which always refer to the last major release). In table 001, it is noted in the field "Vorversion" (previous version), on which Data Release the delta of a brand is based.

For the major releases, TecDoc always supplies only a complete data set (delete-flag = 0) for the time being; a data user therefore has to completely update his data set four times per year.

The processing of those tables, which have an LfdNr in the primary key (205/208, 222/228, 400ff), require special care. Entries can occur in the detail tables although nothing has changed technically in the data contents. Example: An article is linked twice to the same vehicle (LfdNr=1, fitting position=L) and (LfdNr=2, fitting position=R). If the first linkage is deleted, the second linkage with (LfdNr=1, fitting position=R) is newly transferred into table 410 although the linkage has technically not changed. The example illustrates that the delta mechanism of the TecDoc format is primarily suited for updating a database with TecDoc format. For the update of transformed databases (e.g. for electronic catalogues) it is necessary to preserve the delta keys of the format in the transformed data.

Example

To illustrate the mechanism, please see the following (fictitious) example of the tables 200 and 203:

The full data set for Data Release 1/2012 is:

Table 200:

BA2010	0394200	000000000000000000
BA2012	0394200	000000000000000000
BA2013	0394200	000000000000000000
BA2016	0394200	000000000000000000
BA2017	0394200	000000000000000000

Table 203:

BA2010	039420300045	45022-S6D-E01	0000010	0
BA2010	039420300095	GBP90313	0000060	0
BA2010	039420300095	SEB000290	0000100	0
BA2012	039420300095	GBP90314	0000010	0
BA2012	039420300503	602805	0000020	0
BA2012	039420300512	T5080	0000030	0
BA2013	039420300503	602810	0000020	0
BA2013	039420300512	T9032	0000030	0
BA2016	039420300021	4251 44	0000010	0
BA2016	039420300088	4251 32	0000020	0
BA2016	039420300088	4251 43	0000030	0
BA2017	039420300253	1E0 698 451 C	0000380	0
BA2017	039420300253	1E0 698 451 D	0000390	0
BA2017	039420300253	1E0 698 451 E	0000400	0

For the Data Release 2/2012, the data set has changed. Article BA2017 has been deleted, BA2010 has no longer any article reference and with BA2012 the references have changed (green). In the full data set, the tables look as follows:

Table 200:

BA2010	0394200	000000000000000000
BA2012	0394200	000000000000000000
BA2013	0394200	000000000000000000
BA2016	0394200	000000000000000000

Table 203:

BA2012	039420300095	ABC1234	0000010	0
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BA2012	039420300503	602805	0000020	0
BA2013	039420300503	602810	0000020	0
BA2013	039420300512	T9032	0000030	0
BA2016	039420300021	4251 44	0000010	0
BA2016	039420300088	4251 32	0000020	0
BA2016	039420300088	4251 43	0000030	0

The delta between Data Release 1/2012 and 2/2012 looks as follows. Changes are marked in green, deletions are marked in red:

Table 200:

BA2017	0394200	1
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Table 203:

BA2010	0394203	1
BA2012	039420300095	ABC1234 0000010 0
BA2012	039420300503	602805 0000020 0
BA2017	0394203	1

The following points have to be observed:

- Deleting the article BA2017 has an impact on both tables.
- Deleting the reference of BA2012 to T5080 is not communicated as a deletion as all references of BA2012 are being replaced.

(*)

Data updates (deltas) for Reference Data:

Beginning with the third quarter of 2017 reference data are also – stepwise – provided in delta format. This provision is made **in addition** to the existing scope of delivery and exclusively in the TecDoc Data Packages. The reference data packets for the recording to the DMM R2 / PMD R2 remain unaffected.

For this reason, the reference data tables are also provided with a delta key. Furthermore, the "Lösch-Flag" is integrated into the reference data tables. This "Lösch-Flag" is only used in the additional delta packages. The record length in all packages, which have been provided so far and in the future, remains unchanged.

Format Changes

Version 1.02	
Table 010	The field ' <i>IstGruppe</i> ' is defined as numerical (Type = N)
Table 012	Sorting is done with the ' <i>LbezNr</i> '
	The field ' <i>LKZ</i> ' is defined as alphanumerical field (Type = C).
Table 030	The short description (content) means: 'Article description in different languages'
Table 035	The field ' <i>Fixed</i> ' is mandatory
Table 040	The field ' <i>PLZLKZ</i> ' contains the country code for the postal code PLZ, i.e. D-22926 → Key Table 010
Table 042	The field ' <i>LKZ</i> ' is an optional alpha-numerical field (Type = (C))
	The field ' <i>Logo</i> ' is an alphanumerical field
Table 050	The field ' <i>OK400</i> ' is now titled ' <i>OKVKN</i> ' and is a numerical field.
	The field ' <i>Okneg</i> ' is a numerical field
Table 100	The field ' <i>Reserviert</i> ' is an alphanumerical field that remains constantly blank
Table 103	The short description (<i>Inhalt</i>) means: 'Transpose KBA-Manufacturer to Veh.-Manufacturer'
Table 110	The sorting key in the field ' <i>Sort</i> ' regulates the sorting within one manufacturer (KHerNr).
	The field ' <i>PKW</i> ' is a mandatory field; if it contains the value = 1, then the model series is a PC.
	The field ' <i>NKW</i> ' is a mandatory field; if it contains the value = 1, then the model series is a CV
Table 122	The field ' <i>Exclude</i> ' is a numerical field
Table 125	The field ' <i>Exclude</i> ' is a numerical field
Table 150	The field ' <i>LbezNr</i> ' is a numerical field
Table 200	The field ' <i>AwstNr</i> ' contains an application point number that refers to table 300.
Table 202	The field ' <i>Exclude</i> ' is a numerical field
Table 203	The field ' <i>Exclude</i> ' is a numerical field
Table 204	The field ' <i>Exclude</i> ' is a numerical field
Table 205	The field ' <i>Exclude</i> ' is a numerical field
Table 206	The field ' <i>Exclude</i> ' is a numerical field
Table 207	The field ' <i>Exclude</i> ' is a numerical field

Table 208	The field ' <i>Exclude</i> ' is a numerical field
Table 210	The field ' <i>KritVal</i> ' is a mandatory field
	The field ' <i>AnzSofort</i> ' is a numerical and mandatory field
	The field ' <i>Reserviert</i> ' is an optional, alphanumerical field that remains constantly blank.
Table 230	The field ' <i>Exclude</i> ' is a numerical field
Table 300	The old field ' <i>FzgKrit</i> ' is now titled ' <i>Reserviert</i> '
Table 100	The field ' <i>Bez</i> ' is replaced by ' <i>LbezNr</i> ' (9 characters) and ' <i>Reserviert</i> '
Version 1.04	
Table 012	The field ' <i>SprachNr</i> ' was inserted between ' <i>LKZ</i> ' and ' <i>Bezeichnungstext</i> '. The sorting therefore changes to ' <i>LBezNr, LKZ, SprachNr</i> '. The descriptions in DT012 are now country- and language-dependent. Only the TecDoc core languages are exported.
Tables 140, 143, 144, 145, 146, 147	New.
Tables 520,521 und 530-553	The format description of the table NKW-Neu was logged in the document ('nkwnieuexp.doc') until now. NKW-alt (600er SA) is no longer supplied from Version 1/2000 and no longer exported. The format description of the CV New DT is therefore also logged in this document in future.
Version 1.05	
Tables 600 – 621	Deleted. Data Supplier specific vehicles no longer exist.
Tables 030, 543	Corrected writing errors
All Tables	The line for the description of the primary key is added to the header of each data table.
Version 1.06	
Table 040	Added the field <i>Email</i> and <i>Web</i> .
Tables 070 –099	Deleted since these key tables are contained in the DT 051 and 052.
Version 1.07	
Tables 303, 320, 323, 324, 325, 327, 328	New. Contains the reference data to the generic article. DT303 AWST GenArtRef, DT320 Generic Article DT323 Standardises Article Description, DT324 Assembly Groups

	DT 325 Use, DT327 GenArt Synonyms, DT328 Mandatory Criteria
Table 211	New. Contains the allocation of generic articles to the data supplier article numbers.
Table 200	Field <i>BezNr</i> set to optional and renamed field <i>AwstNr</i> to <i>Reserviert</i> .
Table 201	Field <i>PreisEURO</i> renamed to field <i>Reserviert</i> . Added fields <i>WKZ</i> and <i>Rabattgruppe</i> .
Table 400	Separated field <i>AnwNr</i> into fields <i>Reserviert</i> and <i>GenArtNr</i>
Table 401	Separated field <i>AnwNr</i> into fields <i>Reserviert</i> and <i>GenArtNr</i>
Table 402	Separated field <i>AnwNr</i> into fields <i>Reserviert</i> and <i>GenArtNr</i>
Version 1.08	
All Tables	The references to Key Tables (KT...) and to data tables (->...) are revised.
Tables 520, 521	Deleted since the Key Tables and Key Table Values are contained in the DT 051 and 052.
Version 1.09	
Table 300	Deleted
Table 301	New
Table 302	New
Version 1.10	
Table 14	New
Table 50	Added the columns <i>BezNrAbk</i> and <i>BezNrEinheit</i> Deleted the columns <i>BezNrJa</i> and <i>BezNrNein</i>
Table 147	Replaced the column <i>KModNr</i> with <i>KType Nr</i>
Table 208	Added the column <i>LfdNr1</i>
Table 215	New
Table 216	New
Table 230	The data table 230 is replaced by two new data tables; 231 and 232.
Table 231	New
Table 232	New
Table 400	Added the column <i>AnzSofort</i>
Table 432	New
Table 541	Deleted column <i>VkBz</i> Added column <i>LBezNr</i>
Version 1.11	

Table 120	Column <i>KrStoffArt</i> -> KT 182
Version 2.0	
Table 001 DSFormat	Deleted columns <i>Reserviert</i> , <i>Ansi</i> ; added columns <i>KHerNr</i> , <i>Marke</i>
Table 001 ExpFormat	Deleted column <i>Reserviert</i> ; added columns <i>KzVoll</i> , <i>KHerNr</i> , <i>Marke</i>
Table 014	Changed extension from von N to C
Table 035	Additional Notes
Table 040 DSFormat	Deleted columns <i>Reserviert</i> , <i>LKZ</i> ; Added columns <i>Adressart</i> , <i>KurzBez</i> and <i>VkBez</i> ; deleted column <i>Logo</i>
Table 040 ExpFormat	Deleted column <i>Reserviert</i> , <i>LKZ</i> ; added columns <i>Adressart</i> , <i>KurzBez</i> and <i>VkBez</i> , additional Notes
Table 041	Deleted
Table 042 DSFormat	New
Table 042 ExpFormat	Deleted columns <i>Reserviert</i> , <i>Logo</i> ; added columns <i>BildNr</i> , <i>Dokumentenart</i> , additional Notes
Table 043	New
Table 050	Revised
Table 100	2 <i>Reserviert</i> columns deleted; added column <i>VGL</i> ; <i>KHKZ</i> =10 digit, PC and CV not optional
Table 110	Deleted column <i>Reserviert</i> ; column <i>KmodNr</i> = 5 digit, renamed Sort to SortNr
Table 120	Columns <i>Motart</i> , <i>AntrArt</i> , <i>BremsArt</i> , <i>BremsSys</i> , <i>KrStoffArt</i> , <i>KatArt</i> , <i>GetrArt</i> , <i>AufbauArt</i> = 3 digit, renamed Sort to SortNr Deleted columns <i>Reserviert</i> (2x), <i>FzgArt</i> , <i>LaderArt</i> ; column <i>KmodNr</i> = 5-digit New columns <i>Kraftstoffaufbereitung</i> , <i>Ventile/Brennraum</i>
Table 121	Column <i>Aufbauart</i> = 3-digit, ABEvon changed from C to N
Table 123	New
Table 124	Deleted columns <i>KW</i> , <i>PS</i> , <i>ccmtech</i> , <i>Motart</i> , <i>FzgArt</i> , <i>AntrArt</i> , <i>LaderArt</i> , , <i>AufbauArt</i> ; columns <i>BremsArt</i> , <i>BremsSys</i> , <i>KatArt</i> , <i>KrStoffArt</i> , <i>GetrArt</i> , = 3-digit, sequence changed
Table 126	New
Table 127	New
Table 128	New
Table 140	Deleted column <i>Reserviert</i>
Table 143	Deleted column <i>Reserviert</i> , <i>SortNr</i> changed from C to N

Table 145	SortNr from C to N
Table 146	Deleted column <i>Reserviert</i>
Table 155	Deleted columns <i>Reserviert, Verdicht, DrehM, LKZ</i> . Added 19 fields, revised sorting Columns <i>MotVerw, MotBauForm, KrstoffArt, , KrstoffAuf, MotBeatm, MotorArt, AbgasNorm, ZylBauForm, MotSteuer, VentilSteuer, KuehlArt</i> = 3-digit
Table 156	New
Table 200	Deleted fields <i>Zbez1x reserviert, EANNR</i> ; column <i>ArtStat</i> = 3-digit
Table 201	Sorting and Primary Key incl. <i>WKZ, PENr, MENr</i> Columns <i>PENr, MENr, PrArt</i> = 3-digit Price changed from C to N Supplemented Notes
Table 202	Supplemented Notes
Table 203	Deleted column <i>KBAHer</i> (only in Data Supplier Format) Sorting and PK: (LKZ) added OENr renamed to RefNr Exclude changed from N to (N) Supplemented Notes
Table 204	Inserted sorting and PK: (LKZ) Exclude von N auf (N) Supplemented Notes
Table 205	2 x <i>Reserviert</i> deleted Column <i>PartGenArtNr</i> added Inserted Notes
Table 206	Sorting and PK without <i>LfdNr</i> , Free text no longer permitted; deleted columns <i>SprachNr, LfdNr, Fixed and Text</i> Column <i>InfArt</i> = 3-digit Exclude N -> (N) Inserted Notes
Table 207	Sorting and PK plus (LKZ),

	Exclude N -> (N) Inserted Notes
Table 208	Exclude N -> (N) Inserted Notes
Table 209	New
Table 210	First <i>Reserviert</i> replaced by <i>LKZ</i> , Second <i>Reserviert</i> replaced by <i>Exclude</i> Supplemented Notes
Table 217	New
Table 222	New
Table 225	New
Table 226	New
Table 228	New
Table 231	Changed Notes
Table 232	Exclude N -> (N) Inserted Notes
Table 233	New
Table 301	TreeType eNr 2 -> 3 and plus <i>KT 999, Stufe, BezNr</i> and <i>WertOK</i> not optional
Table 304	New
Table 305	New
Table 306	New
Table 307	New
Table 320	Columns <i>Reserviert, VKNerlaubt</i> deleted; columns <i>OK-PKW, OK-NKW, OK-Motor, OK-Universal, OK-FZGunab</i> , <i>Delete</i> added
Table 328	Exclude N -> (N)
Table 329	Exclude N -> (N)
Table 330	New
Table 400	<i>LfdNr</i> = 9-digit, Exclude C -> (N), <i>AnzSofort (C)</i> -> N Many Notes added
Table 401	Sorting and PK without <i>ZeilenNr</i> , <i>LfdNr</i> = 9-digit, free texts no longer permitted; columns <i>SprachNr, ZeilenNr, Fixed</i> and <i>Text</i> deleted Column <i>InfArt</i> = 3-digit

	Notes added
Table 402	<i>LfdNr</i> = 9-digit
Table 432	<i>LfdNr</i> = 9-digit, Exclude C -> (N)
Table 530	deleted
Table 531	deleted
Table 532	Column <i>Bauart</i> = 3-digit; reference <i>KmodNr</i> changed to table 110
Table 534	Columns <i>Bauart</i> , <i>Motart</i> , <i>Kwvон</i> , <i>Kwbis</i> , <i>Psvon</i> , <i>Psbis</i> , <i>ccmTech</i> , <i>Tonnage</i> , <i>Achsconfig</i> deleted
Table 537	Exclude C -> (N)
Table 539	Exclude C -> N
Table 540	LKZ C -> (C), Exclude C -> (N)
Table 541	Column <i>Size</i> = 3-digit; column <i>Reserviert</i> deleted; <i>KherNr</i> = 5-digit, Reference <i>KmodNr</i> changed to table 110
Table 543	LKZ C -> (C), Exclude C -> (N)
Table 544	Column <i>GetrArt</i> = 3-digit; Deleted column <i>Reserviert</i> ; column <i>KherNr</i> = 5-digit
Table 546	LKZ C -> (C), Exclude C -> (N)
Table 547	Column <i>AchsType e</i> = 3-digit; column <i>Reserviert</i> deleted; Spalte <i>KherNr</i> = 5-digit
Table 549	LKZ C -> (C), Exclude C -> (N)
Table 550	Column <i>AchsPos</i> = 3-digit, LKZ C -> (C), Exclude C -> (N)
Table 551	Column <i>FederNr</i> , <i>AchsPos</i> = 3-digit, LKZ C -> (C), Exclude C -> (N)
Table 552	Column <i>ReifenNr</i> , <i>AchsPos</i> = 3-digit, LKZ C -> (C), Exclude C -> (N)
Table 553	LKZ C -> (C), Exclude C -> (N)
Version 2.1	
Table 001	With each version of the reference data a Table 001 will be delivered.
Table 040	The fields <i>Kurzbez</i> und <i>Vkbez</i> changed to optional. In the export format, the fields will always be filled, because they are automatically filled by TecDoc. Column <i>PLZPf</i> = 8-digit, (N) -> (C); Column <i>PLZGr</i> = 8-digit, (N) -> (C)
Table 043	Column <i>PLZPf</i> = 8-digit, (N) -> (C); Column <i>PLZGr</i> = 8-digit, (N) -> (C)
Table 050	Column <i>Delete</i> added; Column <i>OK-Achse</i> added
Table 051	Column <i>TabName</i> changed to <i>BezNr</i> -> 9-digit -> Link to SA_030 Column <i>Delete</i> added

Table 052	Column <i>SortNr</i> added -> New Primary Key: <i>TabNr, SortNr</i> Column <i>Delete</i> added
Table 100	Column <i>Achse</i> added; Column <i>Getriebe</i> added; Column <i>Motor</i> added -> combined Tables 100/150; Column <i>KherNr</i> changed to <i>HerNr</i> Column <i>Delete</i> added
Table 110	Column <i>Achse</i> added; Column <i>Delete</i> added
Table 120	Column <i>Delete</i> added
Table 150	Table deleted -> combined with Table 100
Table 155	Column <i>Delete</i> added
Table 160	New
Table 161	New
Table 162	New
Table 163	New
Table 164	New
Table 200	Columnn <i>ArtStatus, StatusDatum, VPE</i> deleted -> Table 212
Table 212	New -> Column <i>ArtStatus, StatusDatum, VPE, Menge pro VPE</i> → <i>CountryCode dependent</i>
Table 206	Column <i>GANr</i> added -> New Primary Key: <i>ArtNr, GenArtNr, SortNr</i>
Table 210	Column <i>GANr</i> added -> New Primary Key: <i>ArtNr, GenArtNr, SortNr</i>
Table 222	Column <i>BezNr</i> added -> Table 030
Table 231	Column <i>Bez</i> added
Table 320	Column <i>OK-Achse</i> added
Table 532	Column <i>Bez</i> is replaced by Column <i>LbezNr</i> -> Table 012 Column <i>Delete</i> added
Table 534	Column <i>Bez</i> deleted
Table 541	Column <i>Delete</i> added
Table 547	Table deleted
Table 548	Table deleted
Table 549	Table deleted
Version 2.2	
Table 010	Column <i>ISOCode2, ISOCode3</i> and <i>ISOCodeNr</i> inserted

Table 020	Column ISOCode and Codepage inserted
Table 040	Column <i>KurzBez</i> and <i>VKBez</i> deleted
Table 052	New Primary Key: <i>TabNr, Key</i>
Table 121	Column <i>KBANr</i> (N) -> (C), Column <i>ABENr</i> = 25-digit, Column <i>StatHer</i> = 25-digit, Column <i>StatHer</i> = 25-digit
Table 129	New: NatCodes Austria
Table 143	New Primary Key: <i>KmodNr, LKZ, Muster</i>
Table 145	New Primary Key: <i>KtypNr, LKZ, Muster</i>
Table 161	New Primary Key: <i>AtypNr, LKZ, Muster</i>
Table 164	New Primary Key: <i>NTypNr, LfdNr, AtypNr, (LKZ)</i> . Meaning at Column <i>SortNr</i> changed
Table 200	Notes added
Table 201	Flag „Minderrabatt“ inserted
Table 203	<i>Additiv</i> and <i>Sort</i> inserted. New Primary Key: <i>ArtNr, HerNr, Sort, (LKZ)</i> . New Sorting: <i>ArtNr, HerNr, Sort, (LKZ)</i> . Notes added.
Table 204	<i>Sort</i> added; Sorting changed. Notes added.
Table 207	<i>Sort</i> added; Sorting changed. Notes added.
Table 212	Notes added
Table 231	<i>Bez</i> changed to <i>BezNo</i>
Table 304	New Primary Key: <i>Node_ID, GenArtNr, KritNr, KritWert</i>
Table 306	Column <i>TreeTypNr</i> = 3-digit
Table 307	Column <i>TreeTypNr</i> = 3-digit
Table 330	New Primary Key: <i>GenArtNr, LfdNr, KritWert</i>
Table 538	Column <i>NKwid</i> will be replaced by <i>HerIDNr</i> -> N(5) -> Link to SA_554
Table 539	Column <i>NKwid</i> will be replaced by <i>HerIDNr</i> -> N(5) -> Link to SA_554
Table 554	New > NKW Producer-Ids
Table 555	New > NKW Producer-Ids, Country Restrictions
Version 2.4	
All tables	UTF8 instead of 8-Bit – this means that the tables 012, 030, 035 and 327 no longer need to use different codepages per line for the processing. The fields affected are marked with the data type “U”. All alphanumeric fields not marked with “U” are still limited to the character set of the codepage ISO 8859-1, some even more: The field ‘key’ in table 052 may only contain the characters A..Z, a..z and 0..9. ArtNr and TBSNr may contain the scope of 7-Bit ASCII (with the exception of control characters and TAB)
All tables populated by the	Added delete-flag and defined Delta Key.

data supplier	
Table 001	HerNr 5-digit → 6-digit
Table 100	
Table 103	
Table 110	
Table 155	
Table 203	
Table 222	
(VKN_VALUE)	
Table 541	
Table 544	
Table 554	
Multiple tables (see General information on '9-digit KtypNr/NtypNr' for complete list)	KTypeNr/NTypeNr 5-digit → 9-digit
Table 001	New fields Referenzdaten, Format, Vorversion, field Version now contains Data Release
Table 014	The field Extension is now optional
Table 050	Comments on interpreting the field OK-PKW
Table 100	New field Transporter
Table 110	New field Transporter
Table 203	ReferenzInfo added
Table 206	GenArtNr deleted
Table 208	LKZ and Exclude deleted
Table 210	GenArtNr deleted
Table 216	Completely deleted (country-specific part list amounts)
Table 222	Exclude is omitted because table 225 is deleted.
Table 225	Completely deleted (country-restrictions accessory lists)
Table 226	Completely deleted (country-specific accessory list amounts)
Table 231	New field URL, therefore the table 014 will in future also contain the document type URL. The field Bildname is now optional.
Table 320	Comments on interpreting the field OK-PKW

Table 400	The table now only contains the “head” of the linkage, i.e. one line per linkage. All further information were moved to sub-tables. The linkage target type and the target number (KTypeNr, MotNr, ...) were added to the key.
Table 401	Adjustment to the new structure of table 400
Table 402	Adjustment to the new structure of table 400
Table 403	New – moving of the country restrictions of the linkage from the old table 400
Table 404	New – moving the sorting from the old table 400 Attention: Need to observe the conversion notes!
Table 410	New – moving of the attributes from the old table 400. Design analogue to table 210.
Table 432	Adjustment to the new structure of table 400
TAF 2.4 - Version 1.3.0 ff	
Tables 115	New Table “Linkage Target Types – Mappings”

Vehicle Classes

The following additions will be available for productive use in the fourth quarter of 2019 at the earliest.
Please note the announcements of TecAlliance via data Distribution Mailing.

Version 1.3.0 of the TAF 2.4 format provides a definition for a fine-grained classification of vehicles. This classification opens up the possibility to clearly identify further vehicle classes within the vehicle tables 120 (passenger car/kTyp) and 532 (commercial vehicle/nTyp). This extension goes beyond the existing vehicle classes "Transporter" and "Motorcycles" and focuses primarily on the field of electromobility.

Without adjustments in the data exchange structure, it is thus possible to derive further vehicle classes (e.g. electric motorcycles) from the identifying keys kType and nType according to a fixed set of rules.

These new vehicle classes can be understood as extensions in the sense of the linkage target types of the TAF 2.4 data structure. You can find these valid linkage target types in key table 271 as follows:

2	TecDoc PC
3	TecDoc Motorcycle
4	TecDoc E-PC
5	TecDoc E-LCV
6	TecDoc E-Motorcycle
16	TecDoc CV
17	TecDoc Bus
18	TecDoc Tractor
20	TecDoc E-Bus
999	TecDoc LCV

In the context of linkages (tables 400ff), only linkage target types 2 (passenger cars) and 16 (commercial vehicles) are used so far. The present set of rules now permits a resilient and comprehensible transfer of this rather rough view into a more fine-grained vehicle structure.

In this TAF 2.4 format description we provide the following information:

- 1) A list of the vehicle classes in the TecDoc data (KT271 - see above).
- 2) A set of rules for the conversion of the kTyp/nTyp system into a more detailed view.
- 3) A reference to the respective attributes provided for the vehicle classes in Tables 120 and 532.
- 4) A new record type 115 with the current mappings of kType/nType relationship target types (2/16) derived from 2) for the extended view according to key table 271 (see above). This record type is part of the data packages until further notice.

Linkage Target Class	VKNZielArt	Migration rule
TecDoc PC	2 -> 2	All vehicles from table 120 that do not belong to one of the following Linkage Target Classes: - TecDoc Motorcycle (3)

Linkage Target Class	VKNZielArt	Migration rule
		<ul style="list-style-type: none"> - TecDoc E-PC (4) - TecDoc E-LCV (5) - TecDoc E-Mototorcycle (6) - TecDoc LCV (999)
TecDoc Motorcycle	2 -> 3	All vehicles from the passenger car table 120, which meet the following criteria: 120.AufbauArt = 051 AND 120.MotArt <> 040
TecDoc E-PC	2 -> 4	All vehicles from table 120 with 120.MotArt = 040 AND 120.KrStoffArt = 11, that do not belong to one of the following Linkage Taget Classes: <ul style="list-style-type: none"> - TecDoc E-LCV (5) - TecDoc E-Motorcycle (6)
TecDoc E-LCV	2 -> 5	All vehicles from the passenger car table 120, which meet the following criteria: 120.MotArt = 040 120.KrStoffArt = 11 110.Transporter = 1 for 110.KModNr = 120.KModNr (LCV model series)
TecDoc E-Motorcycle	2 -> 6	All vehicles from the passenger car table 120, which meet the following criteria: 120.AufbauArt = 051 AND 120.MotArt = 040 AND 120.KrStoffArt = 11
TecDoc CV	16 -> 16	All vehicles from the commercial vehicle table 532, that do not belong to one of the following Linkage Target Classes <ul style="list-style-type: none"> - TecDoc Bus (17) - TecDoc E-Bus (20) - TecDoc Tractor (18)
TecDoc Bus	16 -> 17	All vehicles from the commercial vehicle table 532, which meet the following criteria: <ul style="list-style-type: none"> - 532.Bauart = 1 - 532.Motart <> 040
TecDoc E-Bus	16 -> 20	All vehicles from the commercial vehicle table 532, which meet the following criteria: <ul style="list-style-type: none"> - 532.Bauart = 1 - 532.Motart = 040
TecDoc Tractor	16 -> 18	All vehicles from the commercial vehicle table 532, which meet the following criteria: <ul style="list-style-type: none"> - 532.Bauart = 9
TecDoc LCV	2 -> 999	All vehicles from the passenger car table 120, which meet the following criteria: 120.MotArt <> 040 110.Transporter = 1 for 110.KModNr = 120.KModNr (LCV model series)

Use of vehicle attributes for the (new) vehicle classes

The attributes in vehicle tables 120 and 532 are primarily designed for "classic" passenger cars and commercial vehicles with combustion engines. The tried and tested granularity in the area of car8kTyp) and commercial vehicle (nTyp) is based on the system of always providing a defined number of features and clearly describing vehicles. With the integration of further vehicle classes, particularly in the area of electromobility, this basis has reached its limits. Attributes such as "cubic capacity" are no longer descriptive features of a vehicle type. For this reason, the following matrix provides an overview of Tables 120 and 532, providing information on the attributes used per vehicle class/linking target type. A distinction is made between mandatory attributes, optionally used attributes and attributes that are not used:

	TecDoc Passenger Cars	TecDoc Light Commercial Vehicles	TecDoc Motorcycles	TecDoc Electric Passenger Cars	TecDoc Electric LCV	TecDoc Electric Motorcycles
Construction Year (YYYYMM)	X	X	X	X	X	X
Number of valves	X	X	X	0	0	0
Engine output in KW	X	X	X	X	X	X
Engine output in KW (from)						
Engine output in KW (to)						
Engine output in HP	X	X	X	X	X	X
Engine output in HP (from)						
Engine output in HP (to)						
Engine capacity in cc (taxation value)	X	X	X	0	0	0
Engine capacity in cc (technical value)	X	X	X	0	0	0
Engine capacity in litre *100 (99V99)	X	X	X	0	0	0
Number of cylinders	X	X	X	0	0	0
Number of doors						
Fuel tank capacity [l]	0	0	0	0	0	0
Main current voltage						
ABS						
TCS						
Engine type	X (<>40)	X (<>40)	X (<>40)	X (=40)	X (=40)	X (=40)
Fuel mixture formation	X	X	X	0	0	0
Drive type	X	X	X	X	X	X
Brake type						
Brake system						
Fuel type	X (<>11)	X (<>11)	X (<>11)	X (=11)	X (=11)	X (=11)
Catalyst converter type	X	X	X	X	X	X
Transmission Type				0	0	0
Body Type	X	X	X	X	X	X

	TecDoc Commercial Vehicles	TecDoc Bus	TecDoc Electric Buses	TecDoc Tractors
Construction Year (YYYYMM)	0	0	0	0
Engine output in KW				
Engine output in KW (from)	X	X	X	X
Engine output in KW (to)				
Engine output in HP				
Engine output in HP (from)	X	X	X	X
Engine output in HP (to)				
Engine capacity in cc (technical value)	X	X	0	X
Engine capacity in litre *100 (99V99)	0	0	0	0
Engine type	X	X	X (=40)	X
Body Type CV	X	X	X	X
Tonnage [t]	X	X	X	X
Axle configuration	X	X	X	X

X: mandatory attributes

0: not allowed

Empty: optional attributes

Tables

001 Header

Source: Data Supplier / TecDoc

Contents: Header stating version and date
Length: 58
Delta Key: DLNr

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant (-> 100)
SA	004	3	N	Data Table Constant = 001
Data Release	007	4	N	Version (Data Release) in the format xxxy
Datum	011	8	N	Version date in the format YYYYMMDD
KZVoll	019	1	N	'1' when complete delivery, otherwise '0'
HerNr	020	6	N	Vehicle Manufacturer Number
Marke	026	20	U(*)	Brand (specified by TecDoc)
Referenzdaten	046	4	N	Reference data version in the format xxxy
Vorversion	050	4	(N)	If a delta-delivery, the Data Release to which the delta refers.
Format	054	3	C	Constant "2.4"
Lösch-Flag	057	1	N	1 = Delete all data records of the brand, otherwise '0'

(*) Type 'U' starting Data Release 0519 – type 'C' until then

Comment: Exactly 1 data table 001 must be present.

The delete-flag in table 001 differs in the treatment from the delete-flags of the other tables.
It indicates the deletion of a complete brand.

For complete data deliveries (no delta), the field "Vorversion" (previous version) is empty.

010 Country Table

Source: TecDoc

Contents:	Description of all countries and relevant information
Length:	71
Sorting:	LKZ
Primary Key:	LKZ
Delta Key:	LKZ

Name	Pos	Length	Type	Description
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Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant = 010
LKZ	029	3	C	Country Code (Vehicle Registration Number)
BezNr	032	9	N	Description Number (-> 030)
Verkehr	041	1	(C)	'L' = Left-hand traffic, 'R' = Right-hand traffic
WarNr	042	3	(N)	Int. currency number according to ISO
WKZ	045	3	(C)	Currency Code, i.e. EUR
WarBezNr	048	9	(N)	Currency Description Number (-> 030)
Vorwahl	057	5	(C)	International Telephone Code
IstGruppe	062	1	N	Country Groups = 1, otherwise 0
ISOCode2	063	2	(C)	2-digit ISO 3166-Code of the country
ISOCode3	065	3	(C)	3-digit ISO 3166-Code of the country
ISOCodeNr	068	3	(N)	Numeral ISO 3166-Code of the country
<i>Löschen-Flag</i>	071	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Löschen-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Löschen-Flag".

012 Country and Language-dependent Descriptions

Source: TecDoc

Contents: Country-dependent descriptions
Length: 104
Sorting: LBezNr, LKZ, SprachNr
Primary Key: LBezNr, LKZ, SprachNr
Delta Key: LBezNr

Name	Pos	Length	Type	Description
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Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant = 012
LBezNr	029	9	N	Description Number
LKZ	038	3	(C)	Country Code (-> 010)
SprachNr	041	3	N	Language Number (-> 020)
Bez	044	60	U	Descriptions
<i>Lösch-Flag</i>	104	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The “Lösch-Flag” is only provided with the separate Reference-Data-Deltas inside the “TecDoc Data Package” delivery. All other reference data files in all other packages are unchanged and do not include the “Lösch-Flag”.

Annotation:

LKZ is an optional attribute what may be a problem from a technical point of view. Some Database Management Systems are not able to handle this 1:1. We recommend to implement a lookup on an artificial “LKZ” that is not used by TecDoc. We are working on future format generations that will not use constellations like that.

013 Country Groups

Source: TecDoc

Contents: Allocation of countries to country groups
Length: 35
Sorting: LKZGrp, LKZ
Primary Key: LKZGrp, LKZ
Delta Key: LKZGrp

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly Blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant = 013
LKZGrp	029	3	C	Country Group Code (-> 010)
LKZ	032	3	C	Country Code (-> 010)
<i>Lösch-Flag</i>	035	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

014 Document Types

Source: TecDoc

Contents: Definition of document types
Length: 43
Sorting: DokumentenArt
Primary Key: DokumentenArt
Delta Key: n/a

Name	Pos	Length	Type	Description
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Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant= 014
DokumentenArt	029	2	N	Unambiguous key of the document type
BezNr	031	9	N	Description Number (->030)
Extension	040	3	(C)	File Extension (three blanks with document type "URL")

Document Types:

- 01: BMP
- 02: PDF
- 03: JPG
- 04: URL
- 05: JPG
- 06: PNG
- 07: GIF (to provide animations – max. Size of 3 MB)

020 Language

Source: TecDoc

Contents:	Description of the languages used
Length:	47
Sorting:	SprachNr
Primary Key:	SprachNr
Delta Key:	SprachNr

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant = 020
SprachNr	029	3	N	Language Number
BezNr	032	9	N	Description Number (-> 030)
ISO Code	041	2	(C)	2-digit ISO 639-Code of the language
Codepage	043	4	(N)	Number of the Windows-Codepage for this language
Lösch-Flag	047	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

030 Language Descriptions

Source: TecDoc / Data Supplier

Contents:	Descriptions in different languages		
Length:	102		
Sorting:	BezNr, SprachNr		
Primary Key:	BezNr,SprachNr		
Delta Key:	BezNr		

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant (-> 100) and 9999 for reference data
SA	026	3	N	Data Table Constant = 030
BezNr	029	9	N	Description Number
SprachNr	038	3	N	Language Number (-> 020)
Bez	041	60	U	Descriptions
Lösch-Flag	101	1	N	1 = delete all data records for the Delta Key, otherwise = 0

Notes: Text such as article additional descriptions are not saved with the article but are registered in a separate language table for reasons of international compatibility. Access to the relevant text is facilitated by means of a description number and the relevant language number.

Data suppliers can create their own language-specific texts apart from the data table of description texts provided by TECDOC. The first 100000 numbers are reserved for TECDOC descriptions.

A description number should not be repeated within one language.

035 Text Modules

Source: Data Supplier

Contents: Text modules in various languages
Length: 103
Sorting TBSNr, SprachNr, LfdNr
Primary Key: TBSNr, SprachNr, LfdNr
Delta Key: TBSNr

Name	Pos	Length	Type	Description
------	-----	--------	------	-------------

Reserviert	000	22	C	Constantly Blank
DLNr	022	4	N	Data Supplier Number Constant (-> 100)
SA	026	3	N	Data Table Constant '035'
TBSNr	029	6	C	Match code of the text module
SprachNr	035	3	N	Language Number (-> 020)
Fixed	038	1	N	Fixed font = '1': A non-proportional font is used to display such a text module on the CD system.
LfdNr	039	3	N	Sequential number (= Line) of text
Text	042	60	U	Text Line
Lösch-Flag	102	1	N	1 = delete all data records for the Delta Key, otherwise = 0

Notes: A text module may contain blank lines but may not consist of blank lines only.

The sequential number starts at 001 and increases with one for each text line of a module.

A sequential number should not be repeated within one language and text module.

040 Data Supplier Main Address

Source: Data Supplier

Contents: Main address of the data supplier
Length: 448
Sorting: DLNr, Adressart
Primary Key: DLNr, Adressart
Delta Key: DLNr

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant (->040), must correspond with the data supplier number from DT 001
SA	004	3	N	Data Table Constant '040'
Bez	007	40	U(*)	Description 1
Bez2	047	40	(U*)	Description 2
Straße	087	40	(U*)	Street 1
Strasse2	127	40	(U*)	Street 2
Postfach	167	10	(U*)	P. O. Box
PLZLKZ	177	3	(U*)	Country code for postal code PLZ, i.e. D-22926 (-> 010)
PLZOrt	180	8	(U*)	Postal code
PLZPf	188	8	(U*)	Postal code P.O. Box
PLZGr	196	8	(U*)	Postal code key customer
Ort	204	40	(U*)	City 1
Ort2	244	40	(U*)	City 2
Telefon	284	20	(U*)	Telephone
Fax	304	20	(U*)	Fax
Email	324	60	(U*)	Email Address
Web	384	60	(U*)	Web Site
Adressart	444	3	N	Address type from KT 59 (-> SA 052)
Lösch-Flag	447	1	N	1 = delete all data records for the Delta Key, otherwise = 0

(*) Type 'U' starting Data Release 0519 – type 'C' until then

Note: One data record that contains the address type 'General Address' must be present.

042 Data Supplier Logos

Source: Data Supplier

Contents: Logo of the Data Supplier
Length: 22
Sorting: LKZ
Primary Key: LKZ
Delta Key: DLNr

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant (-> 100)
SA	004	3	N	Data Table Constant "042"
LKZ	007	3	(C)	Country Code (-> 010)
BildNr	010	9	N	Unambiguous Graphic Number (DT 231) ($\geq 100.00 * \text{DatSupNo}, < 100.000 * (\text{DatSupNo} + 1)$)
DokumentenArt	019	2	N	-> DT 014
Lösch-Flag	021	1	N	1 = delete all data records for the Delta Key, otherwise = 0

Notes: LKZ 'Blank' takes the main address from the DT 040
The combination *BildNr*, *Dokumentenart* must be contained in the DT 231.
The usage of "DokumentenArt" URL is not permitted (-> DT 014)
The *BildNr* used in the DT 042 must be of the document type 'Logo' in the DT 231. (KT 143, Entry 02)

043 Data Supplier Addresses

Source: Data Supplier

Contents: Addresses of the Data Supplier
Length: 451
Sorting: DLNr, Adressart, LKZ
Primary Key: DLNr, Adressart, LKZ
Delta Key: DLNr

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant (->040), must correspond with the data supplier number from DT 001
SA	004	3	N	Data Table Constant "043"
Adressart	007	3	N	Address type from KT 59 (-> DT 052)
LKZ	010	3	C	Country Code (-> DT 010)
Bez	013	40	U(*)	Description 1
Bez2	053	40	(U*)	Description 2
Straße	093	40	(U*)	Street 1
Strasse2	133	40	(U*)	Street 2
Postfach	173	10	(U*)	P. O. Box
PLZLKZ	183	3	(U*)	Country code for postal code PLZ, i.e. D-22926 (-> 010)
PLZOrt	186	8	(U*)	Postal code
PLZPf	194	8	(U*)	Postal code for P.O. Box
PLZGr	202	8	(U*)	Postal code for key customer
Ort	210	40	(U*)	City 1
Ort2	250	40	(U*)	City 2
Telefon	290	20	(U*)	Telephone
Fax	310	20	(U*)	Fax
Email	330	60	(U*)	E-mail Address
Web	390	60	(U*)	Web Site
Lösch-Flag	450	1	N	1 = delete all data records for the Delta Key, otherwise = 0

(*) Type 'U' starting Data Release 0519 – type 'C' until then

050 Criteria Table

Source: TecDoc

Contents:	Description of all criteria
Length:	59
Sorting:	DLNr, KritNr
Primary Key:	DLNr, KritNr
Delta Key:	DLNr, KritNr

Name	Pos	Length	Type	Description
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DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant= 050
KritNr	007	4	N	Criterion Number
BezNr	011	9	N	Description Number (-> 030)
Typ	020	1	C	Criterion Type ('A' = Alphanumeric, 'N' = Numerical, 'D' = Date 'K' = Key, 'V' = without value)
MaxLen	021	2	(N)	Maximum length of criterion value
OK-Artikel	023	1	N	Criterion may be used for article (SA 210) (0 = No, 1 = Yes)
TabNr	024	3	(N)	Number of the Key Table for type 'K'
OK-NKW	027	1	N	Criterion may be used for CV linkages (0 = No, 1 = Yes)
OK-PKW	028	1	N	Criterion may be used for PC linkages (0 = No, 1 = Yes)
OK-Motor	029	1	N	Criterion may be used for engine linkages (0 = No, 1 = Yes)
OK-Fahrerhaus	030	1	N	Criterion may be used for Driver Cab linkages (0 = No, 1 = Yes)
Stücklisten-Criterion	031	1	N	Criterion may be used as Parts List criterion (SA208) (0 = No, 1 = Yes)

Zubehör-Criterion	032	1	N	Criterion may be used as Accessory List criterion. (DT228) (0 = No, 1 = Yes)
Mehrfach-verwendung	033	1	N	Criterion may be used more than once within a linkage (0 = No, 1 = Yes)
BezNrAbk	034	9	(N)	Description number for the abbreviation (->030)
BezNrEinheit	043	9	(N)	BezNr for the unit (->030)
IntervallCriterion	052	1	N	Criterion is an interval criterion (0 = No, 1 = Yes)
Nachfolge-Criterion	053	4	(N)	Criterion is successor to...
Delete	057	1	N	1: Criterion is proposed for deletion, otherwise 0
OK-Achse	058	1	N	Criterion may be used for Axle linkages (0 = No, 1 = Yes)
Lösch-Flag	059	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

Notes: The criteria table contains a selection of fixedly defined attributes; i.e. criterion 3 describes the equipment variation.

Any Data Supplier may request TecDoc to create new criteria needed for their articles/linkages. Such new criteria then also become available to all the other Data Suppliers.

A flag *OK-Transporter* is currently not planned. All attribute types with the flag *OK-PKW* are permitted for the use with LCV linkages.

Validation rules on numeric criteria (type = 'N'):

1. Characters "0" to "9", comma "," as well as plus "+" and minus "-" are permitted
2. A comma may not be used at the beginning or end of the value
3. A comma may only be used once within a value
4. Only the comma may be used as the decimal separator
5. Thousands separators must not be used
6. Exactly one "+" or exactly one "-" may only be used at the beginning of a numeric value
7. Spaces must not be used
8. All(!) characters are part of the maximum length of an attribute.

051 Key Tables

Source: TecDoc

Contents:	Table definition
Length:	43
Sorting:	TabNr
Primary Key:	TabNr
Delta Key:	TabNr

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant = 051
TabNr	029	3	N	Key Table Number
BezNr	032	9	N	Key Table Name ¹ -> SA 30
TabTyp	041	1	C	'A' = Alphanumeric, 'N' = Numerical
Delete	042	1	N	1: Key Table is proposed for deletion, otherwise 0
Lösch-Flag	043	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

¹ References to Key Tables within this format description are designated by 'KT'

052 Key Table Entries

Source: TecDoc

Contents: Key Table Entries
Length: 48
Sorting: TabNr, SortNr
Primary Key: TabNr, Key
Delta Key: TabNr

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant = 052
TabNr	029	3	N	Key Table Number (->051)
Key	032	3	C	Key Table Entry (numerical or alphanumerical depending on the Key Table type)
BezNr	035	9	N	Description Number (->030)
SortNr	044	3	N	Sort-Key for Sorting
Delete	047	1	N	1: Key Table Entry is proposed for deletion, otherwise 0
Lösch-Flag	048	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

100 Manufacturer

Source: TecDoc

Contents: Description of all manufacturers
Length: 41
Sorting: HerNr
Primary Key: HerNr
Delta Key: HerNr

Name	Pos	Length	Type	Description
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Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant = 100
HerNr	007	6	N	Manufacturer Number
HKZ	013	10	U(*)	Manufacturer Short Code
LBezNr	023	9	N	Description Number (->012)
PKW	032	1	N	PC Manufacturer (0 = No, 1 = Yes)
NKW	033	1	N	CV Manufacturer (0 = No, 1 = Yes)
VGL	034	1	N	Comparative Manufacturer (0 = No, 1 = Yes)
Achse	035	1	N	Axle Manufacturer (0 = No, 1 = Yes)
Motor	036	1	N	Engine Manufacturer (0 = No, 1 = Yes)
Getriebe	037	1	N	Transmission Manufacturer (0 = No, 1 = Yes)
Transporter	038	1	N	LCV manufacturer (0 = no, 1 = yes)
Delete	039	1	N	1: Manufacturer is proposed for deletion, otherwise 0
Lösch-Flag	040	1	N	1 = delete all data records for the Delta Key, otherwise = 0 (**)

(*) Type 'U' starting Data Release 0519 – type 'C' until then

(**) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

103 Manufacturer-KBA Reference

Source: TecDoc

Contents: Allocation of KBA code to manufacturer
Length: 39
Sorting: KBANr, HerNr
Primary Key: KBANr, HerNr
Delta Key: n/a

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant = 103
KBANr	029	4	N	KBA Manufacturer Code
HerNr	033	6	N	Manufacturer Number

110 Vehicle Model Series

Source: TecDoc

Contents:	Description of all vehicle model series
Length:	47
Sorting:	KModNr
Primary Key:	KModNr
Delta Key:	KModNr

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant= 110
KModNr	007	5	N	Unambiguous number of the vehicle model series
LBezNr	012	9	N	Description Number (-> 012)
HerNr	021	6	N	Manufacturer (-> 100)
SortNr	027	3	N	Sorting key for the sorting within one manufacturer (HerNr)
Bjvon	030	6	(N)	Model year from YYYYMM
BBBis	036	6	(N)	Model year to YYYYMM
PKW	042	1	N	PC model series ='1'
NKW	043	1	N	CV model series ='1'
Achse	044	1	N	Axel model series ='1'
Delete	045	1	N	1: Model series is proposed for deletion, otherwise 0
Transporter	046	1	N	LCV model series
Lösch-Flag	047	1	N	1 = delete all data records for the Delta Key, otherwise = 0 (*)

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

Note: PC/CV: One of theses fields must contain the value =1; both fields can also be set to the value = 1.

115 Linkage Target Types – Mappings

Source: TecDoc

Content:	Mapping from kTyp/nTyp to more detailed vehicle classes
Length:	22
Sorting:	LinkageTargetNo, LT_Type_Original
Primary Key:	LinkageTargetNo, LT_Type_Original
Delta Key:	LinkageTargetNo, LT_Type_Original

Name	Pos	Länge	Typ	Bedeutung
DLNr	000	4	N	Data Supplier No. constant = 9999
SA	004	3	N	Data Table constant = 115
LinkageTargetNo	007	9	N	Unique number of vehicle type (kTyp or nTyp)
LinkageTargetTable	016	3	N	Table where LinkageTargetNo is located (120 or 532)
LT_Type_Original	016	3	N	„Classic“ view on linkage targets 2: for table 120 records 120/kTyp 16: for table 532 records 532/nTyp
LT_Type_Extended	019	3	N	Linkage Target Type (KT 271) – extended classification according to chapter „Vehicle Classes“

The entries in the VKNZielArt_Extended field allow a more detailed differentiation of vehicles in the links (tables 400ff).
The following link target types are possible by using the mappings of table 115

- 2 TecDoc PC
- 3 TecDoc Motorcycle
- 4 TecDoc E-PC
- 5 TecDoc E-LCV
- 6 TecDoc E-Motorcycle
- 16 TecDoc CV
- 17 TecDoc Bus
- 18 TecDoc Tractor
- 20 TecDoc E-Bus
- 999 TecDoc LCV

If you as a data user want to make use of this extended option in your systems, you can replace the entry in the VKNZielArt field in the provided linkage tables (400ff) according to the mapping in table 115. To do this, proceed as follows:

- 1) Find the pair of values VKNZielNo/VKNZielArt of linkage in table 115 (VKNZielNo/VKZielArt_Original)
- 2) In the linkage (tables 400ff), replace the value in the VKNZielArt field with the value in table 115 in the VKNZielArtExtended field.

As a result, you receive link tables according to the new, more detailed system.

The breakup of the kTyp/nTyp system represents a fundamental paradigm shift, which can be accompanied by extensive consequences for interfaces and application systems. For this reason, we provide this mapping rule as an optional supplement. There is no obligation to use it.

This information is available to all recipients of data packets.

120 Vehicle Types

Source: TecDoc

Contents: Description of all vehicle types
Length: 107
Sorting: KTypNr
Primary Key: KTypNr
Delta Key: KTypNr

Name	Pos	Length	Type	Description
------	-----	--------	------	-------------

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant= 120
KTypNr	007	9	N	Unambiguous number of the vehicle type
LbezNr	016	9	N	Description number (-> 012)
KModNr	025	5	N	Model Series (-> 110)
SortNr	030	2	N	General Sorting Field
Bjvon	032	6	(N)	Model Year from (YYYYMM)
Bjbis	038	6	(N)	Model Year to (YYYYMM)
KW	044	4	(N)	Engine output in kW
PS	048	4	(N)	Engine output in HP
ccmSteuer	052	5	(N)	Engine capacity in cc (taxation value)
ccmTech	057	5	(N)	Engine capacity in cc (technical value)
Lit	062	4	(N)	Engine capacity in litre *100 (99V99)
Zyl	066	2	(N)	Number of cylinders
Tueren	068	1	(N)	Number of doors
TankInhalt	069	4	(N)	Fuel tank capacity
Spannung	073	2	(N)	Main current voltage
ABS	075	1	(N)	0 = no, 1 = yes, 2 = optional, 9 = unknown
ASR	076	1	(N)	0 = no, 1 = yes, 2 = optional, 9 = unknown
MotArt	077	3	(N)	Engine type (KT 080)

Kraftstoffaufbereitungspri nzip	080	3	(N)	Fuel mixture formation (KT 097)
AntrArt	083	3	(N)	Drive type (KT 082)
BremsArt	086	3	(N)	Brake type (KT 083)
BremsSys	089	3	(N)	Brake system (KT 084)
Ventile/Brennraum	092	2	(N)	Number of valves
KrStoffArt	094	3	(N)	Fuel type (KT 182)
KatArt	097	3	(N)	Catalyst converter type (KT 089)
GetrArt	100	3	(N)	Transmission type (KT 085)
AufbauArt	103	3	(N)	Body type (KT 086)
Delete	106	1	N	1: K-TypNr series is proposed for deletion, otherwise 0
Lösch-Flag	107	1	N	1 = delete all data records for the Delta Key, otherwise = 0 (*)

(*) The “Lösch-Flag” is only provided with the separate Reference-Data-Deltas inside the “TecDoc Data Package” delivery. All other reference data files in all other packages are unchanged and do not include the “Lösch-Flag”.

121 KBA Type Allocation

Source: TecDoc

Contents: Allocation of KBA codes to vehicle types
Length: 129
Sorting: KBANr, KTypNr
Primary Key: KBANr, KTypNr
DeltaKey: KTypNr

Name	Pos	Length	Type	Description
------	-----	--------	------	-------------

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant= 121
KBANr	029	7	C	German KBA No. (9999999)
KTypNr	036	9	N	Vehicle type number (-> 120)
AufbauArt	045	3	(N)	Body type (KT 086)
ABENr	048	25	(C)	General Approval Number
ABEvon	073	6	(N)	ABE Month (YYYYMM)
StatHer	079	25	(C)	Stat. Manufacturer Description
StatTyp	104	25	(C)	Stat. Type Description
<i>Lösch-Flag</i>	129	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

122 Vehicle Country Restriction

Source: TecDoc

Contents: Inclusion/Exclusion of certain countries for a vehicle
Length: 42
Sorting: KTypNr, LKZ
Primary Key: KTypNr, LKZ
Delta Key: KTypNr

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant =122
KTypNr	029	9	N	Unambiguous number of the vehicle type
LKZ	038	3	C	Country Code (-> 010)
Exclude	041	1	N	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
<i>Lösch-Flag</i>	042	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

123 Allocation of Type Mine Numbers to Vehicle Types

Source: TecDoc

Contents: Allocation of Type Mine numbers to vehicle types
Length: 31
Sorting: TypMine, KTypNr
Primary Key: TypMine, KTypNr
Delta Key: n/a

Name	Pos	Length	Type	Description
------	-----	--------	------	-------------

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant= 123
TypMine	007	15	C	French Type Mine Number
KTypNr	022	9	N	Vehicle type number (> 120)

124 Vehicle Country Specifications

Source: TecDoc

Contents:	Description of all country specific deviations of vehicle types
Length:	88
Sorting:	KTypNr, LKZ
Primary Key:	KTypNr, LKZ
Delta Key:	KTypNr

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant= 124
KTypNr	029	9	N	Unambiguous number of the vehicle type
LKZ	038	3	C	Country Code (-> 010)
Bjvon	041	6	(N)	Model year from (YYYYMM)
Bjbis	047	6	(N)	Model year to (YYYYMM)
ccmSteuer	053	5	(N)	Engine capacity in cc (taxation value)
Lit	058	4	(N)	Engine capacity in litre (99,99)
Zyl	062	2	(N)	Number of cylinders
Tueren	064	1	(N)	Number of doors
TankInhalt	065	4	(N)	Fuel tank capacity
Spannung	069	2	(N)	Main current voltage
ABS	071	1	(N)	0 = no, 1 = yes, 2 = optional, 9 = unknown
ASR	072	1	(N)	0 = no, 1 = yes, 2 = optional, 9 = unknown
KrStoffArt	073	3	(N)	Fuel type (KT 182)
KatArt	076	3	(N)	Catalyst converter type (KT 089)
GetrArt	079	3	(N)	Transmission type (KT 085)
BremsArt	082	3	(N)	Brake type (KT 083)
BremsSys	085	3	(N)	Brake system (KT 084)
Lösch-Flag	088	1	N	1 = delete all data records for the Delta Key, otherwise = 0 (*)

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

125 Engine Number Allocation to Vehicle Types

Source: TecDoc

Contents: Allocation of engine numbers to vehicle types
Length: 62
Sorting: KTypNr, LfdNr
Primary Key: KTypNr, LfdNr
Delta Key: KTypNr

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant = 125
KTypNr	029	9	N	Vehicle type number (-> 120)
LfdNr	038	3	N	Sequential number within the type
MotNr	041	5	N	Engine number (-> 155)
Bjvon	046	6	(N)	Model Year from (YYYYMM)
Bjbis	052	6	(N)	Model Year to (YYYYMM)
LKZ	058	3	(C)	Country Code (-> 010)
Exclude	061	1	(N)	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
<i>Lösch-Flag</i>	062	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

126 Swiss Type Number Allocation to Vehicle Types

Source: TecDoc

Contents: Allocation of Swiss type numbers to vehicle types
Length: 23
Sorting: ChTyp, KTypNr
Primary Key: ChTyp, KTypNr
Delta Key: n/a

Name	Pos	Length	Type	Description
------	-----	--------	------	-------------

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant= 126
ChTyp	007	7	C	Swiss Type Number
KTypNr	014	9	N	Vehicle Type Number (-> 120)

127 Netherlands Number Plate to Vehicle Type Allocation

Source: TecDoc

Contents: Allocation of Netherlands number plates to vehicle types
Length: 22
Sorting: NLTyp, KTypNr
Primary Key: NLTyp, KTypNr
Delta Key: n/a

Name	Pos	Length	Type	Description
------	-----	--------	------	-------------

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant = 127
NLTyp	007	6	C	Netherlands Number Plate
KTypNr	013	9	N	Vehicle type number (> 120)

128 Allocation of Swedish Number Plates to Vehicle Types

Source: TecDoc

Contents: Allocation of Swedish number plates to vehicle types
Length: 22
Sorting: STyp, KTypNr
Primary Key: STyp, KTypNr
Delta Key: n/a

Name	Pos	Length	Type	Description
------	-----	--------	------	-------------

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant= 128
STyp	007	6	C	Swedish Number Plate
KTypNr	013	9	N	Vehicle type number (-> 120)

129 Austrian NatCodes

Source: TecDoc

Contents: Allocation of Austrian NatCodes to vehicle types
Length: 22
Sorting: NatCode, KTypNr
Primary Key: NatCode, KTypNr
Delta Key: n/a

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant= 129
STyp	007	6	C	Austrian NatCode
KTypNr	013	9	N	Vehicle type number (-> 120)

140 Additional Descriptions to Vehicle Model Series

Source: TecDoc

Contents:	Additional information on all vehicle model series		
Length:	30		
Sorting:	KmodNr		
Primary Key:	KmodNr		
Delta Key:	KmodNr		

Name	Pos	Length	Type	Description
------	-----	--------	------	-------------

DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant= 140
KModNr	007	5	N	Unambiguous number of the vehicle model series
LbezNr1	012	9	N	Description Number (->012) of the sales description
LbezNr2	021	9	N	Description Number (->012) of the model generation
<i>Lösch-Flag</i>	030	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The “Lösch-Flag” is only provided with the separate Reference-Data-Deltas inside the “TecDoc Data Package” delivery. All other reference data files in all other packages are unchanged and do not include the “Lösch-Flag”.

Notes on LbezNr1 and LbezNr2: One of the fields is always filled. When only one field is filled, the other one contains ‘000000000’.

143 Allocation of Body Types to Model Series

Source: TecDoc

Contents: Allocation of body types to model series
Length: 30
Sorting: KmodNr, LKZ, SortNr
Primary Key: KmodNr, LKZ, Muster
Delta Key: KmodNr

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant= 143
KmodNr	007	5	N	Unambiguous number of the vehicle model series
LKZ	012	3	(C)	Country Code (-> 010)
SortNr	015	4	N	Display sequence of the sample within one (Model Series, LKZ) – Group
Muster	019	10	C	Sample
<i>Lösch-Flag</i>	029	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The “Lösch-Flag” is only provided with the separate Reference-Data-Deltas inside the “TecDoc Data Package” delivery. All other reference data files in all other packages are unchanged and do not include the “Lösch-Flag”.

144 Additional Vehicle Type Descriptions

Source: TecDoc

Contents:	Additional information on all vehicle types
Length:	56
Sorting:	KTypNr
Primary Key:	KTypNr
Delta Key:	KTypNr

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant = 144
KTypNr	029	9	N	Unambiguous number of the vehicle type
LbezNr1	038	9	N	Description Number (->012) of the type description
LbezNr2	047	9	N	Description Number (->012) of the Note
<i>Lösch-Flag</i>	056	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The “Lösch-Flag” is only provided with the separate Reference-Data-Deltas inside the “TecDoc Data Package” delivery. All other reference data files in all other packages are unchanged and do not include the “Lösch-Flag”.

Note on LbezNr1 and LbezNr2: One of the fields is always filled. When only one field is filled, the other contains ‘000000000’.

145 Body Type

Source: TecDoc

Contents: Allocation of body types to vehicle types

Length: 55

Sorting: KTypNr, LKZ, SortNr

Primary Key: KTypNr, LKZ, Muster

Delta Key: KTypNr

Name	Pos	Length	Type	Description
------	-----	--------	------	-------------

Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant= 145
KTypNr	029	9	N	Unambiguous number of the vehicle type
LKZ	038	3	(C)	Country code (-> 010)
SortNr	041	4	N	Display sequence of the sample within one (Model Series, LKZ) – Group
Muster	045	10	C	Sample
<i>Lösch-Flag</i>	055	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The “Lösch-Flag” is only provided with the separate Reference-Data-Deltas inside the “TecDoc Data Package” delivery. All other reference data files in all other packages are unchanged and do not include the “Lösch-Flag”.

146 Body Type Synonyms

Source: TecDoc

Contents: Body Type Synonyms

Length: 24

Sorting: AufbauArt, KmodNr

Primary Key: AufbauArt, KmodNr

Delta Key: KmodNr

Name	Pos	Length	Type	Description
------	-----	--------	------	-------------

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant= 146
AufbauArt	007	3	N	Body Type (KT 086)
KmodNr	010	5	N	Unambiguous number of the vehicle model series
LbezNr	015	9	N	Description Number (->012) of the synonym
<i>Lösch-Flag</i>	024	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

147 Drive Type Synonyms

Source: TecDoc

Contents: Drive Type Synonyms
Length: 50
Sorting: AntrArt, KTypNr
Primary Key: AntrArt, KTypNr
Delta Key: KTypNr

Name	Pos	Length	Type	Description
------	-----	--------	------	-------------

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant = 147
AntrArt	029	3	N	Drive Type (082)
KTypNr	032	9	N	Unambiguous number of the vehicle type
LbezNr	041	9	N	Description Number (->012) of the synonym
<i>Lösch-Flag</i>	050	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The “Lösch-Flag” is only provided with the separate Reference-Data-Deltas inside the “TecDoc Data Package” delivery. All other reference data files in all other packages are unchanged and do not include the “Lösch-Flag”.

155 Engines

Source: TecDoc

Contents: Description of all engine types
Length: 263
Sorting: MotNr
Primary Key: MotNr
Delta Key: MotNr

Name	Pos	Length	Type	Description
------	-----	--------	------	-------------

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant= 155
HerNr	007	6	N	Engine Manufacturer Number
MotNr	013	5	N	Unambiguous engine number
MCode	018	60	C	Engine description
BJvon	078	6	(N)	Model Year from (YYYYMM)
BJbis	084	6	(N)	Model Year to (YYYYMM)
kWvon	090	4	(N)	Engine output in kW from
kWbis	094	4	(N)	Engine output in kW to
PSvon	098	4	(N)	Engine output in HP from
PSbis	102	4	(N)	Engine output in HP to
Ventile	106	2	(N)	Number of valves
Zyl	108	2	(N)	Number of cylinders
VerdichtV	110	4	(N)	Compression * 100
VerdichtB	114	5	(N)	Compression to * 100
DrehmV	119	4	(N)	Torque from
DrehmB	123	5	(N)	Torque to
ccmSteuerV	128	5	(N)	Engine capacity in cc (taxation) from
ccmSteuerB	133	5	(N)	Engine capacity in cc (taxation) to
ccmTechV	138	5	(N)	Engine capacity in cc (technical) from
ccmTechB	143	5	(N)	Engine capacity in cc (technical) to
LitSteuerV	148	4	(N)	Engine capacity in litre (taxation) from
LitSteuerB	152	4	(N)	Engine capacity in litre (taxation) to
LitTechV	156	4	(N)	Engine capacity in litre (technical) from
LitTechB	160	4	(N)	Engine capacity in litre (technical) to

MotVerw	164	3	(N)	Engine usage (->KT 098)
MotBauForm	167	3	(N)	Engine Design (->KT 096)
KrStoffArt	170	3	(N)	Fuel Type (->KT 088)
KrStoffAuf	173	3	(N)	Fuel Mixture Formation (->KT 097)
MotBeatm	176	3	(N)	Engine aspiration (->KT 099); charger
UminKwV	179	5	(N)	RPM kW from
UminKwB	184	5	(N)	RPM kW to
UminDrehmV	189	5	(N)	RPM torque from
UminDrehmB	194	5	(N)	RPM torque to
Kurbel	199	2	(N)	Number of crankshaft bearings
Bohrung	201	6	(N)	Bore * 1000
Hub	207	6	(N)	Stroke * 1000
Motorart	213	3	(N)	Engine type (->KT 080)
Abgasnorm	216	3	(N)	Exhaust norm (-> KT 63)
ZylBauForm	219	3	(N)	Cylinder design (-> KT 79)
MotSteuer	222	3	(N)	Engine management (-> KT 77)
VentilSteuer	225	3	(N)	Valve control (-> KT 78)
KuehlArt	228	3	(N)	Cooling type (-> KT 76)
VkBez	231	30	(C)	Sales description
Exclude	261	1	(N)	0 = Inclusion, 1 = Exclusion of countries (→ DT 156)
Delete	262	1	N	1: Engine series is proposed for deletion, otherwise 0
<i>Lösch-Flag</i>	263	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The “Lösch-Flag” is only provided with the separate Reference-Data-Deltas inside the “TecDoc Data Package” delivery. All other reference data files in all other packages are unchanged and do not include the “Lösch-Flag”.

156 Engine Country Restrictions

Source: TecDoc

Contents: Country restrictions for engines
Length: 15
Sorting: MotNr, LKZ
Primary Key: MotNr, LKZ
Delta Key: MotNr

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant "156"
MotNr	007	5	N	Unambiguous engine numbers (DT 155)
LKZ	012	3	C	Country Code (Key 010 or 013)
<i>Lösch-Flag</i>	015	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

Notes: Country codes may not overlap.

The country code field LKZ must contain a valid country code (<> Blank).

160 Axle

Source: TecDoc

Contents: Description of all Axle types

Length: 121

Sorting: AtypNr

Primary Key: AtypNr

DeltaKey: AtypNr

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant = 160
ATypNr	007	5	N	Unambiguous Axle number
Bezeichnung	012	30	C	Description (Axe type)
KmodNr	042	5	N	Model-Key (-> 110)
SortNr	047	4	N	Sort-Key for Sorting
Bjvon	051	6	(N)	Model Year from (YYYYMM)
Bjbis	057	6	(N)	Model Year to (YYYYMM)
AchsArt	063	3	N	Axle type (KT 68)
Ausführung	066	3	N	Style (KT 95)
BremsAusf	069	3	(N)	Brake type (KT 83)
Achskörper	072	3	(N)	Axle-body (KT 214)
ZulLastVon	075	5	(N)	Maximum Axle Load in Kg from
ZulLastBis	080	5	(N)	Maximum Axle Load in Kg to
RadBefestigung	085	3	(N)	Wheel mounting (KT 213)
Spurweite	088	4	(N)	Track width (mm)
Nabensystem	092	20	(C)	Hub system
Fahrhöhe von	112	4	(N)	Distance between road pavement and vehicle frame from
Fahrhöhe bis	116	4	(N)	Distance between road pavement and vehicle frame to
Delete	120	1	N	1: ATypNr series is proposed for deletion, otherwise 0
Lösch-Flag	121	1	N	1 = delete all data records for the Delta Key, otherwise = 0 (*)

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

161 Axle-Body Types

Source: TecDoc

Contents:	Allocation of body types to Axle types
Length:	39
Sorting:	AtypNr, SortNr, LKZ
Primary Key:	AtypNr, SortNr, Muster
Delta Key:	AtypNr

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant = 161
AtypNr	007	5	N	Unambiguous Axle number
LKZ	012	3	(C)	Country Code (-> 010)
SortNr	015	4	N	Display sequence of the sample within one Axle-type
Muster	019	20	C	Sample
<i>Lösch-Flag</i>	039	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The “Lösch-Flag” is only provided with the separate Reference-Data-Deltas inside the “TecDoc Data Package” delivery. All other reference data files in all other packages are unchanged and do not include the “Lösch-Flag”.

162 Axle-Wheelbases

Source: TecDoc

Contents:	Allocation of wheelbases to Axle
Length:	27
Sorting:	AtypNr, LfdNr, SortNr
Primary Key:	AtypNr, LfdNr, SortNr
Delta Key:	AtypNr

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant = 162
AtypNr	007	5	N	Unambiguous Axle number
LfdNr	012	3	N	Sequential number for the Axle-position within the Axle-type
SortNr	015	3	N	Sequential number for the wheelbases within the Axle-position
AchsPos	018	3	C	Axle-position (KT 064)
Radstand	021	6	N	Wheelbase (mm)
<i>Lösch-Flag</i>	027	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

163 Axle-Brake-Size

Source: TecDoc

Contents: Allocation of Brake-sizes to Axles

Length: 38

Sorting: AtypNr, LfdNr

Primary Key: AtypNr, LfdNr

Delta Key: AtypNr

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant = 163
AtypNr	007	5	N	Unambiguous axle number
LfdNr	012	3	N	Sequential number for the brake-size within the axle-type
Bremsengröße	015	3	N	brake-size (KT 216)
Bezeichnung	018	20	(C)	brake-size description
<i>Lösch-Flag</i>	038	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

164 Allocation of Axle-types to CV Types

Source: TecDoc

Contents: Allocation of Axle-types to primary CV Types

Max. Length: 46

Sorting: NTypNr, LfdNr, SortNr, (LKZ)

Primary Key: NTypNr, LfdNr, AtypNr, (LKZ)

Delta Key: NTypNr

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant = 163
NtypNr	007	9	N	Unambiguous CV Type number
LfdNr	016	3	N	Sequential number within the NtypNr
SortNr	019	3	N	Sorting of the linkage within the Axle-position
ATypNr	022	5	N	Axle-type-number (-> 160)
AchsPos	027	3	N	Axle-position (KT 064)
BJvon	030	6	(N)	Model Year from (YYYYMM)
BJbis	036	6	(N)	Model Year to (YYYYMM)
LKZ	042	3	(C)	Country Code (-> 010)
Exclude	045	1	(N)	0 = Inclusion, 1 = Exclusion of countries
<i>Lösch-Flag</i>	046	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

200 Article Table

Source: Data Supplier

Contents: Main Article Data Table

Length: 53

Sorting: ArtNr

Primary Key: ArtNr

Delta Key: ArtNr

Name	Pos	Length	Type	Description
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Name	Pos	Length	Type	Description
ArtNr	000	22	U(*)	Article Number in the data supplier format
DLNr	022	4	N	Data Supplier Number Constant (-> 040)
SA	026	3	N	Data Table Constant « 200 »
BezNr	029	9	(N)	Description text number in the language key table
KZSB	038	1	(N)	Self-service packing = 1, otherwise 0
KZMat	039	1	(N)	Mandatory material certification = 1, otherwise 0
KZAT	040	1	(N)	Remanufactured Part = 1, otherwise 0
KZZub	041	1	(N)	Accessory = 1, otherwise 0
LosGr1	042	5	(N)	Batch size 1 (multiple of VPE)
LosGr2	047	5	(N)	Batch size 2 (multiple of LosGr1)
Lösch-Flag	052	1	N	1 = delete all data records for the Delta Key, otherwise = 0

(*) Type 'U' starting Data Release 0519 – type 'C' until then

Notes: Every article should have an article-status in table 212 (Country-Specific Article-data). Article-numbers, without any article-status in table 212, will get the default article-status 1 (Normal-status) per DVM (Data Validation Modul).

201 Price Information

Source: Data Supplier

Contents: Article price table
Length: 87
Sorting: ArtNr, LKZ, WKZ, PrArt, PENr, MENr, Datvon,
Primary Key: ArtNr, PrArt, LKZ, WKZ, Datvon, PENr, MENr
Delta Key: ArtNr

Name	Pos	Length	Type	Description
ArtNr	000	22	U(*)	Article Number in the data supplier format
DLNr	022	4	N	Data Supplier Number Constant (-> 100)
SA	026	3	N	Data Table Constant « 201 »
Preis	029	10	(N)	Gross price with two decimal spaces or blank for price on demand
PENr	039	3	N	Price Unit (KT 070)
MENr	042	3	C	Quantity Unit (KT 071)
Datvon	045	8	N	Price valid from YYYYMMDD.
Datbis	053	8	(N)	Price valid to YYYYMMDD
LKZ	061	3	C	Country code for currency country (-> 010).
PrArt	064	3	N	Price Type (KT 074).
Reserviert	067	10	(C)	Constantly blank
WKZ	077	3	C	Currency Code
Rabattgruppe	080	5	(C)	Discount group
Minderrabatt	085	1	(N)	Discount
Lösch-Flag	086	1	N	1 = delete all data records for the Delta Key, otherwise = 0

Length: 87
Sorting: ArtNr, LKZ, WKZ, PrArt, PENr, MENr, Datvon,
Primary Key: ArtNr, PrArt, LKZ, WKZ, Datvon, PENr, MENr
Delta Key: ArtNr

Name	Pos	Length	Type	Description
ArtNr	000	22	U(*)	Article Number in the data supplier format
DLNr	022	4	N	Data Supplier Number Constant (-> 100)
SA	026	3	N	Data Table Constant « 201 »
Preis	029	10	(N)	Gross price with two decimal spaces or blank for price on demand
PENr	039	3	N	Price Unit (KT 070)
MENr	042	3	C	Quantity Unit (KT 071)
Datvon	045	8	N	Price valid from YYYYMMDD.
Datbis	053	8	(N)	Price valid to YYYYMMDD
LKZ	061	3	C	Country code for currency country (-> 010).
PrArt	064	3	N	Price Type (KT 074).
Reserviert	067	10	(C)	Constantly blank
WKZ	077	3	C	Currency Code
Rabattgruppe	080	5	(C)	Discount group
Minderrabatt	085	1	(N)	Discount
Lösch-Flag	086	1	N	1 = delete all data records for the Delta Key, otherwise = 0

(*) Type 'U' starting Data Release 0519 – type 'C' until then

Notes: Each article may contain more than one valid price information record for different countries, price types, currencies, and dates of validity.
Only individual countries and **no** country groups may be entered in the field LKZ.
Price validity dates for the same country (currency) must be individually conclusive.
Each ArtNr must be contained in the data table (->DT200).

202 Article Country Restrictions

Source: Data Supplier

Contents:	Inclusion/Exclusion of certain countries for an article			
Length:	34			
Sorting:	ArtNr, LKZ			
Primary Key:	ArtNr, LKZ			
Delta Key:	ArtNr			

Name	Pos	Length	Type	Description
------	-----	--------	------	-------------

ArtNr	000	22	U(*)	Article Number in the data supplier format
DLNr	022	4	N	Data Supplier Number Constant (-> 100)
SA	026	3	N	Data Table Constant « 202 »
LKZ	029	3	C	Country Code (-> 010 or 012)
Exclude	032	1	N	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
Lösch-Flag	033	1	N	1 = delete all data records for the Delta Key, otherwise = 0

(*) Type 'U' starting Data Release 0519 – type 'C' until then

Notes: An article is normally valid worldwide. If the validity of an article is to be restricted to one or more countries, this data table (-> 202) can be used to specify such information. Certain pre-defined country groups may also be used.

It is also possible to state that an article is valid for all countries except

In such a case one should set the code *Exclude* to '1'. Country codes may not overlap. When, for instance, three records are delivered for one article with the inclusion set for 'EU', 'USA', and 'D', this will not be permissible since D (Germany) is a member of the EU and this was already specified as an inclusion.

All country codes for one article must either be set as inclusion or as exclusion. The mixing of these specifications is not allowed.

Each *ArtNr* must be contained in the data table (->200).

203 Reference Numbers

Source: Data Supplier

Contents:	Reference numbers for articles by vehicle manufacturers			
Max. Length:	71			
Sorting:	ArtNr, HerNr, Sort, (LKZ)			
Primary Key:	ArtNr, HerNr, Sort, (LKZ)			
Delta Key:	ArtNr			

Name	Pos	Length	Type	Description
ArtNr	000	22	U(*)	Article Number in the data supplier format
DLNr	022	4	N	Data Supplier Number Constant (-> 100)
SA	026	3	N	Data Table Constant= 203
HerNr	029	6	N	Vehicle Manufacturer (-> 100)
LKZ	035	3	(C)	Country Code (-> 010 or 012)
RefNr	038	22	U(*)	Reference number for this manufacturer
Exclude	060	1	(N)	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
Sort	061	5	N	Display sequence of this record
Additiv	066	1	N	0/1: Record builds a block with the parent
ReferenzInfo	067	3	(C)	Reference type (KT 270)
Lösch-Flag	070	1	N	1 = delete all data records for the Delta Key, otherwise = 0

(*) Type 'U' starting Data Release 0519 – type 'C' until then

Notes: Country in-/exclusions for the same reference number may not contradict one another.

Country codes may not overlap. When, for instance, three records are delivered for one Article Number/OE Number combination with the inclusion set for 'EU', 'USA', and 'D', this will not be permissible since D (Germany) is a member of the EU and this was already specified as an inclusion.

Each *ArtNr* must be contained in the data table (-> 200).

All country codes for an Article/reference number combination must either be set as inclusion or as exclusion. The mixing of these specifications is not allowed.

The column *Sort* allow the sorting of the Trade-numbers (GebrNr) below the Article-number (ArtNr). The DMM R2 / PMD R2 allocate the Sort-numbers automatic, when there's not given a specified sequence by the user.

The „Additiv-Function“ allows to reference product-groups like repairing-sets (sealing kits) on single products (like head gasket).

The ReferenzInfo allows to further define an article reference, e.g. if an article differs in the scope of delivery from the part it refers to.

References to manufacturers represent OE numbers, provided that the manufacturer has set one of the flags PKW, NKW, Achse, Motor, Getriebe, Transporter in Table 100.

204 Superseding Articles

Source: Data Supplier

Contents:	The numbers of superseding articles
Max. Length:	61
Sorting:	ArtNr, Sort, (LKZ)
Primary Key:	ArtNr, ErsatzNr, (LKZ)
Delta Key:	ArtNr

Name	Pos	Length	Type	Description
------	-----	--------	------	-------------

ArtNr	000	22	U(*)	Article Number in the data supplier format
DLNr	022	4	N	Data Supplier Number Constant (-> 100)
SA	026	3	N	Data Table Constant « 204 »
LKZ	029	3	(C)	Country Code (-> 010 or 012)
ErsatzNr	032	22	U(*)	Article ArtNr supersedes Article ErsatzNr
Exclude	054	1	(N)	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
Sort	055	5	N	Display sequence of this record
Lösch-Flag	060	1	N	1 = delete all data records for the Delta Key, otherwise = 0

(*) Type 'U' starting Data Release 0519 – type 'C' until then

Notes: This data table is to be used when the current article number supersedes another article ErsatzNr. Both the superseding as well as the superseded articles must be contained in the data table (-> 200).

Country codes may not overlap. When, for instance, three records are delivered for one Article Number/Superseded Number combination with the inclusion set for 'EU', 'USA', and 'D', this will not be permissible since D (Germany) is a member of the EU and this was already specified as an inclusion.

Each ArtNr must be contained in the data table (-> 200).

All country codes for an Article/Superseded Number must either be set as inclusion or as exclusion. The mixing of these specifications is not allowed.

Recursion is not permitted (i.e. article A supersedes B, B supersedes C, C supersedes A).

The column Sort allow the sorting of the Trade-numbers (GebrNr) below the Article-number (ArtNr). The DMM R2 / PMD R2 allocate the Sort-numbers automatic, when there's not given a specified sequence by the user.

205 Parts Lists

Source: Data Supplier

Contents:	Parts list information on articles
Length:	63
Sorting:	ArtNr, LfdNr
Primary Key:	ArtNr, LfdNr
Delta Key:	ArtNr

Name	Pos	Length	Type	Description
------	-----	--------	------	-------------

ArtNr	000	22	U(*)	Article Number in the data supplier format
DLNr	022	4	N	Data Supplier Number Constant (Key 040)
SA	026	3	N	Data Table Constant « 205 »
PartGenArtNr	029	5	N	Unambiguous number of the Part-Generic Article
LfdNr	034	3	N	Sequential number for sorting
PartNr	037	22	U(*)	Relevant component part
Menge	059	3	N	Quantity of component part
Lösch-Flag	062	1	N	1 = delete all data records for the Delta Key, otherwise = 0

(*) Type 'U' starting Data Release 0519 – type 'C' until then

Notes: Describes what component parts *PartNr* makes up the main article *ArtNr*. Both article numbers must be contained in the DT 200. The component part may contain further parts lists, so that it may be contained again in the position *ArtNr* in the data table (-> 205). Interleaving is random, a recursion (i.e. article A contains article B, article B contains article C and article C again contains article A) is not permitted.

Country codes may not overlap. When, for instance, three records are delivered for one Article Number/Parts List Article combination with the inclusion set for 'EU', 'USA', and 'D', this will not be permissible since D (Germany) is a member of the EU and this was already specified as an inclusion.

Each ArtNr must be contained in the data table (-> 200).

All country codes for one Article/Parts List combination must either be set as inclusion or as exclusion. The mixing of these specifications is not allowed.

A further use of this table is to create **pseudo articles**, which are then linked to vehicles (or to other linkage targets). The components of a pseudo article should generally not be linked as single components, but may only be shown in context with the other components of the pseudo article. Two examples:

- A manufacturer offers motor oil in different package sizes and would like to present them clearly. He therefore defines a pseudo article "Oil XY 10W40" and adds as parts list components in table 205 the single package sizes which can be ordered. By linking the pseudo article to a vehicle, the package sizes do not have to be linked separately. If the manufacturer adds a further package size, it is already added automatically to all vehicles of the pseudo article. In this case, it could be that the 22 characters of the article number are not sufficient to describe the pseudo article. In this case the additional article description of the pseudo article should be used accordingly but the brand name should not be contained in the additional article description.
- A manufacturer of exhaust systems offers different exhaust pipes and fitting brackets for a vehicle, which may not be interchanged. The semantic is then "if the exhaust pipe 456.7 is used, only fitting bracket 123.4 fits". This case also requires that a pseudo article is defined the parts list of which lists the exhaust pipes and fitting brackets which can be used. The pseudo article is linked to a vehicle, the exhaust pipes and fitting brackets are not linked. This ensures that only compatible parts are shown with the vehicle. In this case, there is the possibility to add vehicle-specific attributes for a parts list component in table 208 (in the example for the exhaust pipe or for the fitting bracket). This may be necessary as the single part itself is not linked in table 400 (but only via its pseudo article).

206 Article Information

Source: Data Supplier

Contents: Information text for articles

Max. Length: 51

Sorting: ArtNr, SortNr

Primary Key: ArtNr, SortNr

Delta Key: ArtNr

Name	Pos	Length	Type	Description
ArtNr	000	22	U(*)	Article Number in the data supplier format
DLNr	022	4	N	Data Supplier Number Constant (-> 100)
SA	026	3	N	Data Table Constant « 206 »
Reserviert	029	5		Former GenArtNr
LKZ	034	3	(C)	Country Code (-> 010 or 012)
SortNr	037	2	N	Sorting for display
InfArt	039	3	N	Information Type (KT 072)
AnzSofort	042	1	N	Immediate Display = 1: Information is displayed on the 1 st article page on the presentation medium and is repeated boldly on the 2 nd page.
TBSNr	043	6	C	Text Module Number
Exclude	049	1	(N)	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
Lösch-Flag	050	1	N	1 = delete all data records for the Delta Key, otherwise = 0

(*) Type 'U' starting Data Release 0519 – type 'C' until then

Notes: Information texts on articles that could not be specified with criteria, (-> 210). The usage of the data table (-> 210) for such information is **always** preferred.

Only information that relates exclusively to the article, irrespective of what vehicle the article is linked to, may be specified here.

Text may be defined with different information types. The display sequence of the text with different information types is regulated by means of the *SortNr*.

Country codes may not overlap. When, for instance, three records are delivered for one Article/Sorting Number combination with the inclusion set for 'EU', 'USA', and 'D', this will not be permissible since D (Germany) is a member of the EU and this was already specified as an inclusion.

All country codes for one Article/Sort. No. combination must either be set as an inclusion or as exclusion. The mixing of these specifications is not allowed. Each article must be contained in the data table 200.

Conversion format 2.2 → 2.4: When converting, the information on several generic articles has to be merged. At all points where TecDoc tools make the conversion, the following process is followed: The information regarding the generic article with the smallest GenArtNr is completely taken over. If there are additional text modules for further generic articles, they are added to the information already taken over.

Conversion format 2.4 → 2.2: When converting, all text modules will be attached to all GAs.

207 Trade Numbers

Source: Data Supplier

Contents:	Trade Numbers		
Max. Length:	75		
Sorting:	ArtNr, Sort, (LKZ)		
Primary Key:	ArtNr, GebrNr, (LKZ)		
Delta Key:	ArtNr		

Name	Pos	Length	Type	Description
ArtNr	000	22	U(*)	Article Number in the data supplier format
DLNr	022	4	N	Data Supplier Number Constant (-> 100)
SA	026	3	N	Data Table Constant « 207 »
LKZ	029	3	(C)	Country Code (-> 010 or 012)
GebrNr	032	35	U(*)	Trade number of the article (short code)
Exclude	067	1	(N)	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
AnzSofort	068	1	(N)	0 = Trade number is only shown on the 2 nd article page, 1 = Trade number is shown on the 1 st article page.
Sort	069	5	N	Display sequence of this record
Lösch-Flag	074	1	N	1 = delete all data records for the Delta Key, otherwise = 0

(*) Type 'U' starting Data Release 0519 – type 'C' until then

- Notes: Entry of generally accepted trade numbers (short codes) for the articles *ArtNr* that must be contained in the data table (-> 200). This number can be used to search for the article in the parts catalogue.
Trade numbers should not be duplicated for one article within one country.
Country codes may not overlap. When, for instance, three records are delivered for one Article Number/Trade Number combination with the inclusion set for 'EU', 'USA', and 'D', this will not be permissible since D (Germany) is a member of the EU and this was already specified as an inclusion.
All country codes for one Article/Trade Number combination must either be set as an inclusion or as exclusion. The mixing of these specifications is not allowed. Each article must be contained in the data table 200.
The column *Sort* allow the sorting of the Trade-numbers (GebrNr) below the Article-number (ArtNr). The DMM R2 / PMD R2 allocate the Sort-numbers automatic, when there's not given a specified sequence by the user.

208 Parts List Criteria

Source: Data Supplier

Contents:	Criteria for component parts in a parts list
Max. Length:	69
Sorting:	ArtNr, LfdNr1, LfdNr, SortNr
Primary Key:	ArtNr, LfdNr1, LfdNr, SortNr
Delta Key:	ArtNr

Name	Pos	Length	Type	Description
ArtNr	000	22	U(*)	Article Number in the data supplier format
DLNr	022	4	N	Data Supplier Number Constant (Key 040)
SA	026	3	N	Data Table Constant « 208 »
Reserved	029	3		Former LKZ
LfdNr	032	5	N	Sequential Number
SortNr	037	3	N	Sorting Order
KritNr	040	4	N	Criterion Number (Key 050)
KritWert	044	20	C	Criterion Value
Reserved	064	1		Former “Exlude”
LfdNr1	065	3	N	LfdNr from DT205
Lösch-Flag	068	1	N	1 = delete all data records for the Delta Key, otherwise = 0

(*) Type 'U' starting Data Release 0519 – type 'C' until then

Note: The combination *ArtNr* and *LfdNr1* must be contained in the DT205.

209 GTIN

Source: Data Supplier

Contents:	GTIN (Global Trade Item Number)
Max. Length:	47
Sorting:	ArtNr, GTIN, (LKZ)
Primary Key:	ArtNr, GTIN, (LKZ)
Delta Key:	ArtNr

Name	Pos	Length	Type	Description
ArtNr	000	22	U(*)	Article Number in the data supplier format
DLNr	022	4	N	Data Supplier Number Constant (-> 100)
SA	026	3	N	Data Table Constant « 209 »
LKZ	029	3	(C)	Country Code (-> 010 or 012)
GTIN	032	13	N	GTIN of articles
Exclude	045	1	(N)	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
Lösch-Flag	046	1	N	1 = delete all data records for the Delta Key, otherwise = 0

(*) Type 'U' starting Data Release 0519 – type 'C' until then

Notes: Entry of generally accepted GTIN for the articles *ArtNr* which must be contained in the data table (-> 200). This number can be used to search for the article in the parts catalogue.

GTIN should not be duplicated for one article. A GTIN may have 8, 12 or 13 digits. Further details can be found at <https://www.gs1.org/standards/id-keys/gtin>

Country codes may not overlap. When, for instance, three records are delivered for one Article/GTIN combination with the inclusion set for 'EU', 'USA', and 'D', this will not be permissible since D (Germany) is a member of the EU and this was already specified as an inclusion.

All country codes for one Article/GTIN combination must either be set as inclusion or as exclusion. The mixing of these specifications is not allowed.

Each *ArtNr* must be contained in the data table (-> 200).

210 Article Criteria

Source: Data Supplier

Contents:	Fixed article criteria that are not related to vehicle links
Max. Length:	67
Sorting:	ArtNr, SortNr
Primary Key:	ArtNr, SortNr
Delta Key:	ArtNr

Name	Pos	Length	Type	Description
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ArtNr	000	22	U(*)	Article Number in the data supplier format
DLNr	022	4	N	Data Supplier Number Constant (-> 100)
SA	026	3	N	Data Table Constant « 210 »
Reserviert	029	5		Former GenArtNr
LKZ	034	3	(C)	Country Code (Key 010 or 012)
SortNr	037	3	N	Display Sequence
KritNr	040	4	N	Criterion Number (-> 050)
KritWert	044	20	C	Criterion Value
AnzSofort ¹	064	1	N	Immediate Display = '1', otherwise '0'
Exclude	065	1	(N)	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
Lösch-Flag	066	1	N	1 = delete all data records for the Delta Key, otherwise = 0

(*) Type 'U' starting Data Release 0519 – type 'C' until then

Notes:	Entry of explanatory criteria for an article <i>ArtNr</i> that must be contained in the data table (-> 200). Country codes may not overlap. When, for instance, three records are delivered for one Article/Criteria combination with the inclusion set for 'EU', 'USA', and 'D', this will not be permissible since D (Germany) is a member of the EU and this was already specified as an inclusion. All country codes for an Article must either be set as inclusion or as exclusion. The mixing of these specifications is not allowed.
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Criteria may be used more than once within one country, but may then not contain identical values.

Only criteria that are allowed for (-> 210) may be used (OK-Article = 1, -> 050).

¹Criteria with this code are displayed immediately on the first article page in the presentation system, (Article Overview window).

Conversion format 2.2 → 2.4: When converting, the information for several generic articles has to be merged. At those places, where TecDoc tools make the conversion, the following process is applied: The information on the generic article with the smallest GenArtNr is completely taken over. If there are additional attributes for further generic articles, they are added to the attributes which were already taken over.

Conversion format 2.4 → 2.2: When converting, all attributes of the article are attributed to all GAs.

211 Article to Generic Article Allocation

Source: Data Supplier

Contents: Allocation of generic articles to data supplier article numbers

Length: 35

Sorting: ArtNr, GenArtNr

Key: ArtNr, GenArtNr

Delta Key: ArtNr

Name	Pos	Length	Type	Description
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Name	Pos	Length	Type	Description
ArtNr	00	22	U(*)	Article Number in the data supplier format
DLNr	022	4	N	Data Supplier Number Constant (-> 100)
SA	026	3	N	Data Table Constant 211
GenArtNr	029	5	N	Unambiguous number of the generic article (->320)
Lösch-Flag	034	1	N	1 = delete all data records for the Delta Key, otherwise = 0

(*) Type 'U' starting Data Release 0519 – type 'C' until then

Notes: Note: Each article has at least one generic article associated with it.

If more than one generic article is assigned to an article, these generic articles must have the same standard name (320.NartNr).

212 Country-Specific Article-data

Source: Data Supplier

Contents: Country-Specific Article-data

Length: 54

Sorting: ArtNr, LKZ

Key: ArtNr, LKZ

Delta Key: ArtNr

Name	Pos	Length	Type	Description
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Name	Pos	Length	Type	Description
ArtNr	000	22	U(*)	Article Number in the data supplier's format
DLNr	022	4	N	Data Supplier Number Constant (-> 100)
SA	026	3	N	Data Table Constant 212
LKZ	029	3	(C)	Country Code (Key 010 or 012)
VPE	032	5	(C)	Packing unit (quantity per package)
MengeProVPE	037	5	(N)	Quantity /part per unit
ArtStat	042	3	(N)	Article Status (KT 073)
StatusDat	045	8	(N)	Article status valid from YYYYMMDD
Lösch-Flag	053	1	N	1 = delete all data records for the Delta Key, otherwise = 0

(*) Type 'U' starting Data Release 0519 – type 'C' until then

Notes:

The field LKZ must be filled with a correct Country Code (a blank is allowed for "worldwide").

If the field MengeProVPE is filled, the field VPE must be filled, too.

If the field StatusDat is filled, the field ArtStat must be filled, too.

If the fields VPE and/or ArtStat are filled, it is not imperative to fill the fields MengeProVPE and/or StatusDat too, but it is strongly recommended

Every article should have an article-status in table 212 (Country-Specific Article-data). Article-numbers, without any article-status in table 212, will get the default article-status 1 (Normalstatus) per DVM (Data Validation Modul).

215 Parts Lists Country Restrictions

Source: Data Supplier

Contents: Country restrictions for parts lists information
Length: 37
Sorting: ArtNr, LfdNr, LKZ
Primary Key: ArtNr, LfdNr, LKZ
Delta Key: ArtNr

Name	Pos	Length	Type	Description
ArtNr	000	22	U(*)	Article Number in the data supplier format
DLNr	022	4	N	Data Supplier Number Constant (Key 040)
SA	026	3	N	Data Table Constant « 215 »
LfdNr	029	3	N	Sequential number from DT205
LKZ	032	3	C	Country Code (Key 010 or 012)
Exclude	035	1	N	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
Lösch-Flag	036	1	N	1 = delete all data records for the Delta Key, otherwise = 0

(*) Type 'U' starting Data Release 0519 – type 'C' until then

Notes: Country codes may not overlap.

All country codes for an Artikel/SprachNr/SortNr combination must be set either as an inclusion or as an exclusion. Mixing the both is not allowed.

217 Allocation of Parts-List-Coordinates to Context-sensitive Graphics

Source: Data Supplier

Content: The allocation of coordinates to context-sensitive graphics
Length: 51
Sorting: ArtNr, LfdNr, BildNr, Dokumentenart, SprachNr
Primary Key: ArtNr, LfdNr, BildNr, Dokumentenart, SprachNr
Delta Key: ArtNr

Name	Pos	Length	Type	Meaning
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Name	Pos	Length	Type	Meaning
ArtNr	000	22	U(*)	Article Number in the data supplier format
DLNr	022	4	N	Data Supplier Number (040)
SA	026	3	N	Constant '233'
LfdNr	029	3	N	Sequential Number from DT 205
BildNr	032	9	N	Unambiguous Graphics Number ($\geq 100.000 * \text{DatSupNo.}, < 100.000 * (\text{DatSupNo.} + 1)$)
DokumentenArt	041	2	N	Document Type (014)
SprachNr	043	3	N	Language Number (Key 020)
KoordinatenNr	046	4	N	Coordinate Number
Lösch-Flag	050	1	N	1 = delete all data records for the Delta Key, otherwise = 0

ArtNr, LfdNr -> must be contained in the DT 205.

BildNr, DokumentenArt, SprachNr, Koordinatennummer must be contained in the DT 233.

222 Accessory Lists

Source: Data Supplier

Contents:	Accessories information for articles
Max. Length:	83
Sorting:	ArtNr, LfdNr, SortNr
Primary Key:	ArtNr, LfdNr, SortNr
Delta Key:	ArtNr

Name	Pos	Length	Type	Description
------	-----	--------	------	-------------

ArtNr	000	22	U(*)	Article Number in the data supplier format
DLNr	022	4	N	Data Supplier Number Constant (Key 040)
SA	026	3	N	Data Table Constant « 222 »
VKN_ART	029	1	(N)	Type of linkage (Vehicle Manufacturer, Model Series, PC, CV, Engine Manufacturer, Engine)
VKN_Value	030	6	(N)	HerNr, KModNr, KTypNr, NTypNr or MotNr
LfdNr	036	3	N	Sequential Number
SortNr	039	3	N	Sorting Number
ZArtNr	042	22	U(*)	Relevant accessory part, must be contained in the DT 200, KZZub must be '1'
Menge	064	3	N	Quantity of accessory parts required
ZubGenArtNr	067	5	N	Unambiguous number of the accessory generic article (-> SA320)
Reserved	072	1		Previously Exclude, became obsolete because of the deletion of table 225
BezNr	073	9	(N)	Description Number (->030)
Lösch-Flag	082	1	N	1 = delete all data records for the Delta Key, otherwise = 0

(*) Type 'U' starting Data Release 0519 – type 'C' until then

VKN_Art:	1 = HerNr
	2 = KModNR
	3 = KType Nr
	4 = NType Nr
	5 = MotNr

228 Accessory Lists Criteria

Source: Data Supplier

Contents:	Criteria for the individual parts of an accessory list			
Max. Length:	67			
Sorting:	ArtNr, LfdNr1, SortNr1, LfdNr			
Primary Key:	ArtNr, LfdNr1, SortNr1, LfdNr			
Delta Key:	ArtNr			

Name	Pos	Length	Type	Description
------	-----	--------	------	-------------

ArtNr	000	22	U(*)	Article Number in the data supplier format
DLNr	022	4	N	Data Supplier Number Constant (Key 040)
SA	026	3	N	Data Table Constant « 228 »
LKZ	029	3	(C)	Country Code (Key 010 or 012)
LfdNr1	032	3	N	LfdNr from DT222
SortNr1	035	3	N	Sorting Order
LfdNr	038	3	N	Sequential number for the accessory list criterion
KritNr	041	4	N	Criterion Number (Key 050)
KritWert	045	20	C	Criterion Value
Exclude	065	1	(N)	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
Lösch-Flag	066	1	N	1 = delete all data records for the Delta Key, otherwise = 0

(*) Type 'U' starting Data Release 0519 – type 'C' until then

Notes: When the criteria 2, 14, or 16 are used in the DT_222, these criteria may not be used in the DT_228. (Equals exclude one another!)

When the criterion 2 is used in DT_222, the criterion 16 may not be used in DT_228.

When the criterion 16 is used in DT_222, the criterion 2 may not be used in DT_228.

Criterion 2 = PC

Criterion 16 = CV

Criterion 14 = Engine

231 Graphics / Documents

Source: Data Supplier

Contents:	The allocation of graphics/documents to picture numbers			
Length:	400			
Sorting:	BildNr, Dokumentenart, SprachNr			
Primary Key:	BildNr, Dokumentenart, SprachNr			
Delta Key:	BildNr, Dokumentenart, SprachNr			

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant (Key 040)
SA	026	3	N	Data Table Constant= 231
BildNr	029	9	N	Unambiguous Picture Number $(\geq 100.000 * \text{DLNr}, < 100.000 * (\text{DLNr} + 1))$
SprachNr	038	3	N	Language Number (Key 020)
Bildname	041	30	(U*)	Graphic file number without extension
BildType	071	3	N	(KT 143) Article, Vehicle, etc
BezNorm	074	3	N	(KT 141) Standardised Graphic Header
Breit	077	4	(N)	Graphic width
Hoch	081	4	(N)	Graphic height
Farben	085	3	(N)	Colour Quantity
DokumentenArt	88	2	N	-> DT014.
BezNr	090	9	(C)	Description -> SA 030
Lösch-Flag	099	1	N	1 = delete all data records for the Delta Key, otherwise = 0
URL	100	300	(C)	URL to which the link is made. Only if DokumentenArt = URL

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant (Key 040)
SA	026	3	N	Data Table Constant= 231
BildNr	029	9	N	Unambiguous Picture Number $(\geq 100.000 * \text{DLNr}, < 100.000 * (\text{DLNr} + 1))$
SprachNr	038	3	N	Language Number (Key 020)
Bildname	041	30	(U*)	Graphic file number without extension
BildType	071	3	N	(KT 143) Article, Vehicle, etc
BezNorm	074	3	N	(KT 141) Standardised Graphic Header
Breit	077	4	(N)	Graphic width
Hoch	081	4	(N)	Graphic height
Farben	085	3	(N)	Colour Quantity
DokumentenArt	88	2	N	-> DT014.
BezNr	090	9	(C)	Description -> SA 030
Lösch-Flag	099	1	N	1 = delete all data records for the Delta Key, otherwise = 0
URL	100	300	(C)	URL to which the link is made. Only if DokumentenArt = URL

(*) Type 'U' starting Data Release 0519 – type 'C' until then

Notes : Each BildNr/Document Type – combination must contain a data record with the language number 255 (Universal); this will be displayed for languages that are not covered by the delivered languages.

The documents have to correspond to a document type in data table 014. Currently allowed are BMP, PDF, JPG and URL.

The image name has to be stated with the document types BMP, PDF and JPG; the URL has to be stated with the document type URL.

The maximum permitted size for pictures is 600 x 400 Pixel.

It may not be possible to display pictures that contain more than 16 colours/shades of grey on all screens!

Extended rules for the document type "URL"

With the format 2.4, we offer the possibility to make documents (!) available to the market not only as files via the distribution platform but alternatively as a link (URL) to such documents.

For this purpose, we have integrated a new document type "URL" into the TAF 2.4 format and equipped the DMM R2 / PMD R2 accordingly.

The entire TecAlliance catalog data exchange format is designed to exchange documents that can be displayed in catalogs. Information on image type and standardized caption can be used to transmit documents for different applications (image, installation instructions, safety data sheet, etc.).

The same applies to documents of the document type URL: Documents must be linked that correspond to one of the use cases defined by the exchange format.

The following rules apply to this document type:

- The link must contain a valid URI according to RFC 39865
- Allowed network protocols are http and https
- The link must point to a document with one of the following file types:
BMP, JPG, JPEG, PNG, GIF, PDF, M4A, MP4, MPG, MPEG, AVI
- Also allowed are references to Youtube videos. The links must begin with the following string:
<https://www.youtube.com/embed/>
Please note that Youtube links are not available in some regions of the world.
- Further URL prefixes (analogous to youtube) can be requested from the TecAlliance for use, provided that they obey the above rules and are used exclusively (!) for the reproduction of media content.

Enhanced rules for document type "GIF" (from June 2018)

The document type "GIF" is to be used to transport simple animations, for example to display simple panoramic views of a spare part in a catalog.

For the first time, there is a file size limit for this document type. (*)

Extended rules for the document type "ZIP" (360° product images) (from July 2019)

This type of document is used for the standardized transfer of 360° product images via the TecAlliance platform. It differs from the other document types in that the linked file cannot be displayed directly.

The linked compressed ZIP file contains a sequence of graphics in JPG format that can be displayed in online applications using suitable add-ons (players).

The following rules apply to these ZIP files and their contents:

- 1) The linked ZIP file must not exceed a specified size (*).
- 2) The ZIP file contains at least 8 and at most 144 documents of the file type JPG or PNG.
- 3) The used file types of the single frames within a ZIP file must be identical.
- 4) The JPG/PNG documents must obey the following formatting: <Name>-<lfidNr>.JPG (*)
- 5) <Name> must be identical for all single images and must match the name of the ZIP container file
- 6) The maximum total size of all 360° images per mark is limited.

(*) <lfidNr> is an arbitrary consecutive number from which the user can recognize the order of the single image display. It must be numeric in any format, but not sequential. A numeric sort always returns the display sequence. The following examples would be valid:

TAF 2.4 Document: IMG_360_ArtNo4711.ZIP contains
IMG_360_ArtNo4711-001.JPG
IMG_360_ArtNo4711-002.JPG
IMG_360_ArtNo4711-003.JPG
...
IMG_360_ArtNo4711-024.JPG

TAF 2.4 Document: IMG_360_ArtNo4712.ZIP contains
IMG_360_ArtNo4712-10.PNG
IMG_360_ArtNo4712-20.PNG
IMG_360_ArtNo4712-30.PNG
...
IMG_360_ArtNo4712-290.PNG

(*) General note on file size

The maximum permitted size of certain documents is announced on the known channels via mailing (Data Distribution Mailing).

A size restriction will also be introduced in due course for the other document types (exception "URL"). Corresponding information is provided on the relevant channels (newsletters, mailings).

In addition, restrictions can be imposed on the maximum amount of data per brand for individual document classes. Please note the announcements in the regular mailings.

232 Allocation of Graphics to Article Numbers

Source: Data Supplier

Contents:	The allocation of graphics to article numbers			
Length:	47			
Sorting:	ArtNr, SortNr			
Primary Key:	ArtNr, SortNr			
Delta Key:	ArtNr			

Name	Pos	Length	Type	Description
------	-----	--------	------	-------------

ArtNr	000	22	U(*)	Article Number in the data supplier format
DLNr	022	4	N	Data Supplier Number Constant (Key 040)
SA	026	3	N	Data Table Constant « 232 »
SortNr	029	2	N	Sequential sorting number for graphics that belong to the same article, starting with 1 per article. Used to determine the order of display.
LKZ	031	3	(C)	Country Code (Key 010)
Exclude	034	1	(N)	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
BildNr	035	9	N	Unambiguous Graphics Number (->231)
DokumentenArt	044	2	N	-> DT014.
Lösch-Flag	046	1	N	1 = delete all data records for the Delta Key, otherwise = 0

(*) Type 'U' starting Data Release 0519 – type 'C' until then

Notes:	Multiple graphics are allowed for each article. One graphic can also be used by more than one article. The combination BildNr, DokumentenArt must be contained in the DT231. The BildNr must be contained in the DT 231 and have the BildTyp 'Article' there. When generating a delta, the change of the BildNr is interpreted as a change in the image mapping, even if the BildNr of the two compared versions refers to the same image file. When multiple Graphics are linked to one article we recommend to use the same colour palette!
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233 Context Sensitive Graphics

Source: Data Supplier

Contents:	Context sensitive graphics			
Length:	46			
Sorting:	BildNr, Dokumentenart, KoordinatenNr , LfdNr			
Primary Key:	BildNr, Dokumentenart, KoordinatenNr , LfdNr			
Delta Key:	BildNr, Dokumentenart, SprachNr			

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant (040)
SA	004	3	N	Data Table Constant "233"
BildNr	007	9	N	Unambiguous Graphic Number $(\geq 100.000 * \text{DatSupNo.}, < 100.000 * (\text{DatSupNo.} + 1))$
DokumentenArt	016	2	N	Document Type (014)
KoordinatenNr	018	4	N	Coordinate number
LfdNr	022	3	N	Sequential number when more than one Coordinate Number
SprachNr	025	3	N	Language Number (020)
Typ	028	1	N	0=Circle, 1=Square
X1	029	4	N	X-Coordinate centre of the circle / 1. point of the square
Y1	033	4	N	Y-Coordinate centre of the circle / 1. point of the square
X2	037	4	N	Radius of the circle / X-Coordinate 2. point of the square
Y2	041	4	(N)	Y-Coordinate 2. point of the square
Lösch-Flag	045	1	N	1 = delete all data records for the Delta Key, otherwise = 0

Notes: Origin is always left top. When Type = 1, then Y2 is a mandatory field!

Country restrictions for the whole graphic can be entered in DT 232.

The usage of "DokumentenArt" URL is not permitted (-> DT 014)

301 Tecdoc Search Structure

Source: TecDoc

Contents:	Hierarchically structured search tree
Length:	60
Sorting:	Node_ID
Primary Key:	Node_ID
Delta Key:	n/a

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant= 301
Node_ID	029	7	N	Unambiguous number of the search node
TreeTypNr	036	3	N	Product section of the search node (KT 999)
Stufe	039	2	N	Number of the hierarchical level ² of the search
Node_Parent_ID	041	7	(N)	Node_ID of an entry in the relevant superior hierarchy level that is allocated this search node ³
SortNr	048	2	N	Sorting order of the search node that belongs to a Node_Parent_ID.
BezNr	050	9	N	Number of the description text (-> 030)
WertOK	059	1	N	0, when grouping, 1, when the generic article is allowed for this code

² Level 1 is the highest hierarchical level. The limitation to 4 hierarchical levels is removed with the Data Release 0914 (Quarter 04/2014)

³ This field is empty when the data record describes an entry in the superior hierarchy level.

302 Allocation of GenArt to Search Structure

Source: TecDoc

Contents: Allocation of generic articles to the Tecdoc search structure
Length: 43
Sorting: Node_ID, SortNr
Primary Key: Node_ID, GenArtNr
Delta Key: Node_ID

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant= 301
Node_ID	029	7	N	Unambiguous number of the search node (->301)
SortNr	036	2	N	Sorting order within a search node
GenArtNr	038	5	N	Unambiguous number of the generic article (->320)
Lösch-Flag	043	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The “Lösch-Flag” is only provided with the separate Reference-Data-Deltas inside the “TecDoc Data Package” delivery. All other reference data files in all other packages are unchanged and do not include the “Lösch-Flag”.

304 Allocation of Criteria to the Search Structure

Source: TecDoc

Contents: Allocation of criteria to combinations of search tree nodes and generic articles within the TecDoc search structure

Length: 46

Sorting: Node_ID, GenArtNr, SortNr

Primary Key: Node_ID, GenArtNr, KritNr, KritWert

Delta Key: Node_ID, GenArtNr

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant= 304
Node_ID	007	7	N	Unambiguous number of the search node (->301)
GenArtNr	014	5	N	Unambiguous number of the generic article (->320)
SortNr	019	3	N	Sorting order within one search node
KritNr	022	4	N	Unambiguous number of the criterion (DT050), must be of type 'K'
KritWert	026	20	C	Criterion Value
Lösch-Flag	046	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

305 Quick-start Icons

Source: TecDoc

Contents:	Description of the quick-start icons
Length:	50
Sorting:	QS_ID
Primary Key:	QS_ID
Delta Key:	n/a

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant= 305
QS_Id	007	4	N	Unambiguous number of the quick-start icons
BezNr	011	9	N	Number of the description text -> 030
BildName	020	30	C	Bildname with extension

306 Allocation of Quick-start Icons to Product Areas

Source: TecDoc

Contents: The allocation of quick-start icons to the product areas (PC, CV, etc.)

Length: 17

Sorting: TreeTypNr, QS_Id

Primary Key: TreeTypNr, QS_Id

Delta Key: n/a

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant= 306
TreeTypNr	007	3	N	Product area of the search node
QS_Id	010	4	N	Unambiguous number of the quick-start icon -> 305
SortNr	014	3	N	Quick-start icons sorting within the product area

307 The Allocation of Quick-start Icons to Nodes/Leaves within one Product Area

Source: TecDoc

Contents:	Allocation of quick-start icons to Nodes/Leaves within one product area (PC, CV, etc.)
Length:	24
Sorting:	TreeTypNr, QS_Id, Node_ID
Primary Key:	TreeTypNr, QS_Id, Node_ID
Delta Key:	n/a

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant= 307
TreeTypNr	007	3	N	Product area of the search node
QS_Id	010	4	N	Unambiguous number of the quick-start icon -> 305
Node_ID	014	7	N	Unambiguous number of the search node ->301
SortNr	021	3	N	Sorting of nodes/leaves within one product area after calling the quick-start icons (separate search tree, may deviate from DT 301).

320 Generic Articles

Source: TecDoc

Contents:	Generic Articles
Length:	41
Sorting:	GenArtNr
Primary Key:	GenArtNr
Delta Key:	GenArtNr

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant= 320
GenArtNr	007	5	N	Unambiguous number of the generic article
NartNr	012	5	N	Unambiguous number of the standardised article description (-> 323)
BgNr	017	4	(N)	Unambiguous number of the assembly group (->324)
VerwNr	021	4	(N)	Unambiguous number of the usage (->325)
BezNr	025	9	N	Description Number (-> 030) for description of the GenArt
OK_PKW	034	1	N	0: not allowed in PC linkage (->400). Otherwise 1.
OK-NKW	035	1	N	0: not allowed in CV linkage (->400). Otherwise 1.
OK-Motor	036	1	N	0: not allowed in engine linkage (->400). Otherwise 1.
OK-Universal	037	1	N	0: is not a universal generic article, otherwise 1
OK-FZGUnab	038	1	N	0: is not allowed for vehicle independent search, otherwise 1
Delete	039	1	N	1: GenArt is earmarked for deletion, otherwise 0
OK-Achse	040	1	N	0: not allowed in Axle linkage (->400). Otherwise 1.
Lösch-Flag	041	1	N	1 = delete all data records for the Delta Key, otherwise = 0 (*)

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

Comments: A flag *OK-Transporter* is currently not planned. All generic articles with the flag *OK-PKW* are allowed for a linkage to LCV.

323 Standardised Article Description

Source: TecDoc

Contents:	Standardised article description
Length:	43
Sorting:	NartNr
Primary Key:	NartNr
Delta Key:	NartNr

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant= 323
NartNr	029	5	N	Unambiguous number of the standardised article description
BezNr	034	9	N	Description Number (-> 030)
Lösch-Flag	043	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The “Lösch-Flag” is only provided with the separate Reference-Data-Deltas inside the “TecDoc Data Package” delivery. All other reference data files in all other packages are unchanged and do not include the “Lösch-Flag”.

324 Assembly Groups

Source: TecDoc

Contents: Assembly groups

Length: 42

Sorting: BgNr

Primary Key: BgNr

Delta Key: BgNr

Name	Pos	Length	Type	Description
------	-----	--------	------	-------------

Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant= 324
BgNr	029	4	N	Unambiguous number of the assembly group
BezNr	033	9	N	Description Number (-> 030)
<i>Lösch-Flag</i>	042	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

325 Purpose of Use

Source: TecDoc

Contents:	Purpose of use
Length:	42
Sorting:	VerwNr
Primary Key:	VerwNr
Delta Key:	VerwNr

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant= 325
VerwNr	029	4	N	Unambiguous number of the usage purpose
BezNr	033	9	N	Description Number (-> 030)
<i>Lösch-Flag</i>	042	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The “Lösch-Flag” is only provided with the separate Reference-Data-Deltas inside the “TecDoc Data Package” delivery. All other reference data files in all other packages are unchanged and do not include the “Lösch-Flag”.

327 Generic Article Synonyms

Source: TecDoc

Contents: Synonyms of the generic articles
Length: 100
Sorting: GenArtNr, LfdNr, SprachNr
Primary Key: GenArtNr, LfdNr, SprachNr
Delta Key: GenArtNr

Name	Pos	Length	Type	Description
------	-----	--------	------	-------------

Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant= 327
GenArtNr	029	5	N	Unambiguous number of the generic article (->320)
LfdNr	034	3	N	Sequential number within a generic article
SprachNr	037	3	N	Language Number (-> 020)
Bez	040	60	C	Descriptions
<i>Lösch-Flag</i>	<i>100</i>	<i>1</i>	<i>N</i>	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The “Lösch-Flag” is only provided with the separate Reference-Data-Deltas inside the “TecDoc Data Package” delivery. All other reference data files in all other packages are unchanged and do not include the “Lösch-Flag”.

328 Mandatory Criteria

Source: TecDoc

Contents:	Mandatory criteria for generic articles
Max. Length:	47
Sorting:	GenArtNr, LfdNr
Primary Key:	GenArtNr, LfdNr
Delta Key:	GenArtNr

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant= 328
GenArtNr	029	5	N	Unambiguous number of the generic article (->320)
LfdNr	034	3	N	Sequential number within one GenartNr
LKZ	037	3	(C)	Country Code (-> 010)
KritNr	040	4	N	Criterion Number (-> 050)
Only210	044	1	N	1: must be specified as an article criterion (-> 210). Otherwise 0.
Only400	045	1	N	1: must be specified as linkage criterion (-> 400). Otherwise 0.
Exclude	046	1	(N)	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
Lösch-Flag	047	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

329 Proposed Criteria

Source: TecDoc

Contents:	Proposed criteria for generic articles
Max. Length:	47
Sorting:	GenArtNr, LfdNr
Primary Key:	GenArtNr, LfdNr
Delta Key:	GenArtNr

Name	Pos	Length	Type	Description
------	-----	--------	------	-------------

Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant= 329
GenArtNr	029	5	N	Unambiguous number of the generic article (->320)
LfdNr	034	3	N	Sequential number within a GenArtNr
LKZ	037	3	(C)	Country Code (-> 010)
KritNr	040	4	N	Criterion Number (-> 050)
210	044	1	N	1: proposed as article criterion (-> 210). Otherwise 0.
400	045	1	N	1: proposed as linkage criterion (-> 400). Otherwise 0.
Exclude	046	1	(N)	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
Lösch-Flag	047	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

330 Allocation of Criteria Values to GA Mandatory Criteria

Source: TecDoc

Contents: Allocation of criteria values to GA mandatory criteria

Length: 21

Sorting: GenArtNr, LfdNr, SortNr

Primary Key: GenArtNr, LfdNr, KritWert

Delta Key: GenArtNr

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant= 330
GenArtNr	007	5	N	Unambiguous number of the generic article (->320)
LfdNr	012	3	N	LfdNr (DT328)
SortNr	015	3	N	Sorting Order
KritWert	018	3	C	Criterion Value, criterion must be of type 'K'
<i>Lösch-Flag</i>	021	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

400 Article Linkage

Source: Data Supplier

Contents:	Linkage of the articles with linkage targets			
Length:	56			
Sorting:	VknZielArt, VknZielNr, GenArtNr, ArtNr, LfdNr			
Primary Key:	VknZielArt, VknZielNr, GenArtNr, ArtNr, LfdNr			
Delta Key:	VknZielArt, VknZielNr, GenArtNr, ArtNr			

Name	Pos	Length	Type	Description
ArtNr	000	22	U(*)	Article Number in the data supplier format
DLNr	022	4	N	Data Supplier Number Constant (Key 040)
SA	026	3	N	Data Table Constant '400'
GenArtNr	029	5	N	Unambiguous number of the generic article (->320)
VknZielArt	034	3	N	Type of the linkage target (PC, CV, engine, ...)
VknZielNr	037	9	N	Number of the linkage target (KTypeNr, NTypeNr, MotNr, HerIdNr, ...)
LfdNr	046	9	N	Sequential number within the ArtNr-GenArtNr-VknZielNr-linkage
Lösch-Flag	055	1	N	1 = delete all data records for the Delta Key, otherwise = 0

(*) Type 'U' starting Data Release 0519 – type 'C' until then

Notes: Linkage of an article *ArtNr*, that is contained in the data table (-> 200), with a generic article and vehicle as well as criteria. The combination Article Number and Generic Article Number must be contained in the data table (-> 211).

There is one data record per linkage in this data table.

In the key table 271 for the linkage target types, the current criteria number which expressed a linkage in the format TAF 2.2, remained: (2 = PC-Ktype-Nr, 7 = ManID-Nr, 14 = EngineNr, 16 = CV-Type-Nr, 19 = Axle-Type-Nr). Therefore, no conversion of the values has to take place when making a format conversion.

Linkages of the same article with the same vehicle and the same generic article must differ in any relevant point.

Valid differences are:

- Article description (-> 200)
- Additional article description (-> 200)
- Article criteria set to immediate display (-> 210)
- Article information set to immediate display (-> 206)
- Linkage criteria set to immediate display (-> 400)
- Linkage information set to immediate display (-> 401)

If an article with the same generic article is linked more than once to the same linkage target, the LfdNr will determine the display sequence of these linkages.

The **LfdNr** within a combination (VknZielArt, VknZielNr, GenArtNr, ArtNr) must always **start with 1 and** must be allocated **without gaps**. Therefore, if an article is linked twice to a vehicle, the linkages need to have the LfdNr 1 and 2. This has to be observed, especially if linkages are deleted. Example: A brand has allocated the LfdNr 1, 2 and 3. In the following Data Release, the linkage with the LfdNr 1 is deleted. The remaining two linkages now have to be renumbered accordingly with 1 and 2, as the LfdNr 2 and 3 only are not permitted.

Conversion format 2.2 → 2.4: When converting, the sorting set by the LfdNr has to be moved into the data table 404. The sorting developed in that table always follows the smallest LfdNr within a combination (ArtNr, GenArtNr, VknZielArt, VknZielNr), i.e. the first appearance of an ArtNr within the combination (GenArtNr, VknZielArt, VknZielNr). If two articles in the combination (GenArtNr, VknZielArt, VknZielNr) have the same LfdNr, the sorting is ascending according to the ArtNr. All other constellations of the data table 400 can be converted without the loss of information. The following graphic gives an example for the conversion. The sorting of the data records is oriented at the display in the catalogue to illustrate the change in the sequence:

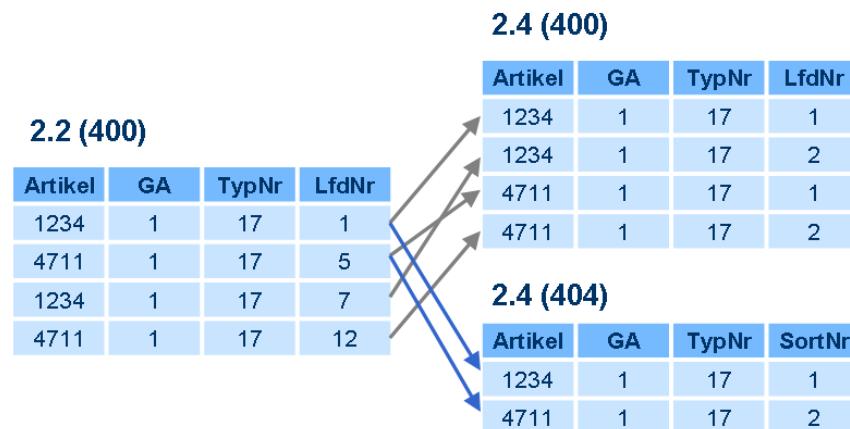


Illustration 1: Conversion of the data table 400 - 2.2 → 2.4

The example shows clearly that only the first appearance of the article in the old data table 400 is considered when calculating the SortNr in the data table 404 and that the sorting 1234>4711>1234>4711 does not remain.

Conversion format 2.4 → 2.2: The LfdNr has to be allocated according to the information from data table 404. If an article with the same generic article is linked several times to a linkage target, the sorting sequence set by the LfdNr has to be kept in the data table 400. Also an example for this:

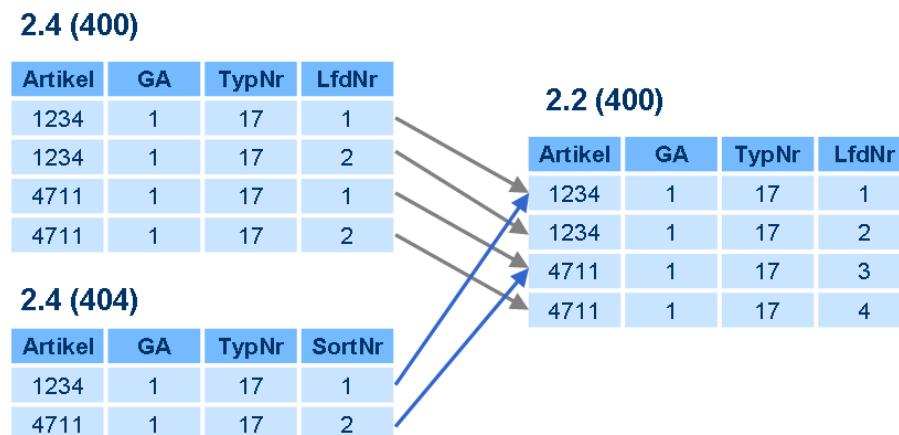


Illustration 2: Conversion of the data table 400/404 - 2.4→2.2

The example shows clearly that generating the LfdNr in the format 2.2 is firstly calculated from the data table 404 and secondly from the LfdNr in the data table 400 (format 2.4).

401 Search Information Texts

Source: Data Supplier

Contents:	Search menu dependent information texts
Max. Length:	72
Sorting:	VknZielArt, VknZielNr, GenArtNr, ArtNr, LfdNr, SortNr
Primary Key:	VknZielArt, VknZielNr, GenArtNr, ArtNr, LfdNr, SortNr
Delta Key:	VknZielArt, VknZielNr, GenArtNr, ArtNr

Name	Pos	Length	Type	Description
ArtNr	000	22	U(*)	Article Number in the data supplier format
DLNr	022	4	N	Data Supplier Number Constant (-> 100)
SA	026	3	N	Data Table Constant "401"
GenArtNr	029	5	N	Unambiguous number of the Generic Article (->320)
VknZielArt	034	3	N	Type of the linkage target (PC, CV, engine, ...)
VknZielNr	037	9	N	Number of the linkage target (KTypeNr, NTypeNr, MotNr, HerIdNr, ...)
LfdNr	046	9	N	Sequential number within the ArtNr-GenArtNr-VknZielNr-linkage
SortNr	055	2	N	Display sequence
LKZ	057	3	(C)	Country Code (-> 010 or 012)
InfArt	060	3	N	Information Type (KT 072)
AnzSofort	063	1	N	Immediate Display = 1: Information is shown on the 1 st article page of the presentation system and repeated in bold on the 2 nd article page.
TBSNr	064	6	C	Text module
Exclude	070	1	(N)	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
Lösch-Flag	071	1	N	1 = delete all data records for the Delta Key, otherwise = 0

(*) Type 'U' starting Data Release 0519 – type 'C' until then

Notes: Listing of information text to article linkages that could not be specified in criteria, (-> 410). Usage of the data table (-> 410) is **always** preferred.

Only information that is relevant to the use of articles in different vehicles may be specified here. Information that is relevant only to the article, irrespective of the vehicle wherein it is used, should be specified in the data table (-> 206).

Text can be defined with different types of information. The display sequence of text with different information types in the presentation system is specified by means of the *SortNr*.

Country in-/exclusions may not be contradictory. When a text is defined for the country group 'BEN', additional text may not be included for the country 'NL'.

402 Linkages not to be displayed in Certain Countries (*)

Source: Data Supplier

Contents: Linkages in DT400 that may not be displayed in certain countries.

Length: 59

Sorting: VknZielArt, VknZielNr, GenArtNr, ArtNr, LfdNr, LKZ

Primary Key: VknZielArt, VknZielNr, GenArtNr, ArtNr, LfdNr, LKZ

Delta Key: VknZielArt, VknZielNr, GenArtNr, ArtNr

Name	Pos	Length	Type	Description
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Name	Pos	Length	Type	Description
ArtNr	000	22	C	Article Number in the data supplier format
DLNr	022	4	N	Data Supplier Number Constant (-> 100)
SA	026	3	N	Data Table Constant "402"
GenArtNr	029	5	N	Unambiguous number of the Generic Article (->320)
VknZielArt	034	3	N	Type of the linkage target (PC, CV, engine, ...)
VknZielNr	037	9	N	Number of the linkage target (KTypeNr, NTypeNr, MotNr, HerIdNr, ...)
LfdNr	046	9	N	Sequential number within the ArtNr-GenArtNr-VknZielNr-linkage
LKZ	055	3	C	Country Code (-> 010 or 012)
Lösch-Flag	058	1	N	1 = delete all data records for the Delta Key, otherwise = 0

Comment: The table 402 has to be evaluated in conjunction with the table 403.

The table 403 is maintained by the data supplier, the table 402 is generated with the validation. Due to process reasons it is currently not possible to merge both tables.

(*)Attention: Table 402 is removed from Data Packages since DR0518. All data is included in table 403.

403 Country restriction of the linkage

Source: Data supplier

Contents: Country restriction of the linkage
Length: 60
Sorting: VknZielArt, VknZielNr, GenArtNr, ArtNr, LfdNr, LKZ
Primary Key: VknZielArt, VknZielNr, GenArtNr, ArtNr, LfdNr, LKZ
Delta Key: VknZielArt, VknZielNr, GenArtNr, ArtNr

Name	Pos	Length	Type	Description
ArtNr	000	22	U(*)	Article number in the data supplier format
DLNr	022	4	N	Data supplier number (Key 040)
SA	026	3	N	constant "403"
GenArtNr	029	5	N	Unambiguous number of the generic article (->320)
VknZielArt	034	3	N	Type of the linkage target (PC, CV, engine, ...)
VknZielNr	037	9	N	Number of the linkage target (KTypeNr, NTypeNr, MotNr, HerIdNr, ...)
LfdNr	046	9	N	Sequential number within the ArtNr-GenArtNr-VknZielNr-linkage
LKZ	055	3	C	Country code (-> 010 or 012)
Exclude	058	1	(N)	"1" = country code is an exclusion, "0" = country code is an inclusion.
Lösch-Flag	059	1	N	1 = delete all data records for the Delta Key, otherwise = 0

(*) Type 'U' starting Data Release 0519 – type 'C' until then

404 Sorting of the linkage

Source: Data supplier

Contents:	Sorting of the article linkages			
Length:	56			
Sorting:	VknZielArt, VknZielNr, GenArtNr, ArtNr, SortNr			
Primary Key:	VknZielArt, VknZielNr, GenArtNr, ArtNr			
Delta Key:	VknZielArt, VknZielNr, GenArtNr, ArtNr			

Name	Pos	Length	Type	Description
ArtNr	000	22	U(*)	Article number in the data supplier format
DLNr	022	4	N	Data supplier number (Key 040)
SA	026	3	N	constant "404"
GenArtNr	029	5	N	Unambiguous number of the generic article (->320)
VknZielArt	034	3	N	Type of the linkage target (PC, CV, engine, ...)
VknZielNr	037	9	N	Number of the linkage target (KTypeNr, NTypeNr, MotNr, HerIdNr, ...)
SortNr	046	9	N	Display sequence
Lösch-Flag	055	1	N	1 = delete all data records for the Delta Key, otherwise = 0

(*) Type 'U' starting Data Release 0519 – type 'C' until then

Comments:	If the sorting is not specified for all articles linked to a linkage target, the articles without explicit sorting order will be shown in ascending order of their article numbers after those articles, which have an explicit sorting order. If the data supplier does not specify a sorting, all articles for the linkage target are sorted by their article number (and then after their LfdNr in the data table 400). If an article with the same generic article is linked several times to the same linkage target, the display of these linkages will be set by the LfdNr in the data table 400. The data checks by TecDoc will not check the completeness of the sorting.
	For comments on the conversion between TAF 2.2 and 2.4 please see data table 400.

410 Linkage attributes

Source: Data supplier

Contents:	Attributes (criteria) for the linkage			
Length:	88			
Sorting:	VknZielArt, VknZielNr, GenArtNr, ArtNr, LfdNr, SortNr			
Primary Key:	VknZielArt, VknZielNr, GenArtNr, ArtNr, LfdNr, SortNr			
Delta Key:	VknZielArt, VknZielNr, GenArtNr, ArtNr			

Name	Pos	Length	Type	Description
ArtNr	000	22	U(*)	Article number in the data supplier format
DLNr	022	4	N	Data supplier number (Key 040)
SA	026	3	N	constant "410"
GenArtNr	029	5	N	Unambiguous number of the generic article (->320)
VknZielArt	034	3	N	Type of the linkage target (PC, CV, engine, ...)
VknZielNr	037	9	N	Number of the linkage target (KTypeNr, NTypeNr, MotNr, HerIdNr, ...)
LfdNr	046	9	N	Sequential number within the ArtNr-GenArtNr-VknZielNr-linkage
SortNr	055	3	N	Display sequence
KritNr	058	4	N	Criterion number (-> 050)
KritWert	062	20	C	Criterion value
AnzSofort	082	1	N	Immediate display = '1', otherwise '0'
LKZ	083	3	(C)	Country code (-> 010 or 012)
Exclude	086	1	(N)	"1" = country code is an exclusion, "0" = country code is an inclusion.
Lösch-Flag	087	1	N	1 = delete all data records for the Delta Key, otherwise = 0

(*) Type 'U' starting Data Release 0519 – type 'C' until then

432 Linkage-dependent Graphics/Documents

Source: Data Supplier

Contents: The allocation of graphics to vehicle linkages
Max. Length: 73
Sorting: VknZielArt, VknZielNr, GenArtNr, ArtNr, LfdNr, SortNr
Key: VknZielArt, VknZielNr, GenArtNr, ArtNr, LfdNr, SortNr
Delta Key: VknZielArt, VknZielNr, GenArtNr, ArtNr

Name	Pos	Length	Type	Description
ArtNr	000	22	U(*)	Article Number in the data supplier format
DLNr	022	4	N	Data Supplier Number Constant (Key 040)
SA	026	3	N	Data Table Constant "432"
GenArtNr	029	5	N	Unambiguous number of the Generic Article (->320)
VknZielArt	034	3	N	Type of the linkage target (PC, CV, engine, ...)
VknZielNr	037	9	N	Number of the linkage target (KTypeNr, NTypeNr, MotNr, HerIdNr, ...)
LfdNr	046	9	N	Sequential number within the ArtNr-GenArtNr-VknZielNr-linkage
LKZ	055	3	(C)	Country Code (Key 010 or 012)
SortNr	058	2	N	Sorting Order
BildNr	060	9	N	Unambiguous BildNr (-> 231)
DokumentenArt	069	2	N	-> DT 014.
Exclude	071	1	(N)	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
Lösch-Flag	072	1	N	1 = delete all data records for the Delta Key, otherwise = 0

(*) Type 'U' starting Data Release 0519 – type 'C' until then

Comments: When generating a delta, the change of the BildNr is also interpreted as a change of the image mapping, even if the BildNr refers to the same image files in both compared versions.

532 CV Types

Source: TecDoc

Contents:	Description of all CV primary types
Length:	104
Sorting:	NTypeNr
Primary Key:	NTypeNr
Delta Key:	NTypeNr

Name	Pos	Length	Type	Description
------	-----	--------	------	-------------

Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant= 532
NTypNr	029	9	N	Unambiguous number of the CV primary types
KModNr	038	5	N	Model Series CV (-> 110)
Sort	043	4	N	Sorting within one model series
LbezNr	047	9	N	Description of the CV type (-> SA 012)
BJvon	056	6	(N)	Model Year from (YYYYMM)
BJbis	062	6	(N)	Model Year to (YYYYMM)
Bauart	068	3	N	Body Type (KT 067)
Motart	071	3	N	Engine Type (KT 080)
KWvon	074	4	N	Engine output from in kW
KWbis	078	4	(N)	Engine output to in kW
PSvon	082	4	N	Engine output from in HP
PSbis	086	4	(N)	Engine output to in HP
CcmTech	090	5	N	Engine capacity in cc (technical)
Tonnage	095	5	N	Tonnage in tonnes with 2 decimal spaces (999V99)
Achsconfig	100	3	(N)	Axle Configuration (KT 065)

Delete	103	1	N	1: Criterion is proposed for deletion, otherwise 0
<i>Löschen-Flag</i>	104	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The “Löschen-Flag” is only provided with the separate Reference-Data-Deltas inside the “TecDoc Data Package” delivery. All other reference data files in all other packages are unchanged and do not include the “Löschen-Flag”.

533 CV Types Country Restrictions

Source: TecDoc

Contents:	Inclusion of certain countries for a CV type		
Length:	42		
Sorting:	NTypeNr, LKZ		
Primary Key:	NTypeNr, LKZ		
Delta Key:	NTypNr		

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant =533
NTypNr	029	9	N	Unambiguous number of the CV primary type (->532)
LKZ	038	3	C	Country Code (-> 010)
Exclude	041	1	N	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
<i>Lösch-Flag</i>	042	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

534 CV Country Specific Deviations

Source: TecDoc

Contents:	Description of all country-specific deviations of CV types
Length:	53
Sorting:	NTypeNr, LKZ
Primary Key:	NTypeNr, LKZ
Delta Key:	NTypNr

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant= 534
NTypNr	029	9	N	Unambiguous number of the CV primary types(->532)
LKZ	038	3	C	Country Code (-> 010)
BJvon	041	6	(N)	Model Year from (YYYYMM)
BJbis	047	6	(N)	Model Year to (YYYYMM)
<i>Lösch-Flag</i>	053	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

535 CV Secondary Types

Source: TecDoc

Contents: Description of all CV secondary types
Length: 117
Sorting: NTypNr, NTypSubNr
Primary Key: NTypNr, NTypSubNr
Delta Key: n/a

Name	Pos	Length	Type	Description
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Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant= 535
NTypNr	029	9	N	Unambiguous number of the CV primary types (->532)
NTypSubNr	038	3	N	Unambiguous number of the secondary type within a primary type
SortNr	041	3	N	Sorting within the primary type
Bez	044	60	(C)	Description of the CV secondary type
BJvon	104	6	(N)	Model Year from (YYYYMM)
BJbis	110	6	(N)	Model Year to (YYYYMM)
Lösch-Flag	116	1	N	1 = delete all data records for the Delta Key, otherwise = 0 (*)

536 CV Secondary Types Country Restrictions

Source: TecDoc

Contents: Inclusion of certain countries for CV secondary types
Length: 45
Sorting: NTypNr, NTypSubNr, LKZ
Primary Key: NTypNr, NTypSubNr, LKZ
Delta Key: n/a

Name	Pos	Length	Type	Description
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Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant =536
NTypNr	029	9	N	Unambiguous number of the CV primary type (->532)
NTypSubNr	038	3	N	Unambiguous number of the secondary type within a primary type (->535)
LKZ	041	3	C	Country Code (-> 010)
Exclude	044	1	N	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.

537 CV Types and Engine Allocation

Source: TecDoc

Contents: Allocation of engine numbers to CV primary and secondary types
Max. Length: 65
Sorting: NTypNr, NTypSubNr, LfdNr
Primary Key: NTypNr, NTypSubNr, LfdNr
Delta Key: NTypNr

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant= 537
NTypNr	029	9	N	Unambiguous number of the CV primary type (->532)
NTypSubNr	038	3	N	Unambiguous number of the secondary type within a primary type (->535)
LfdNr	041	3	N	Sequential number within a NTypNr-NTypSubNr combination.
MotNr	044	5	N	Engine Number (-> 155)
BJvon	049	6	(N)	Model Year from (YYYYMM)
BJbis	055	6	(N)	Model Year to (YYYYMM)
LKZ	061	3	(C)	Country Code (-> 010)
Exclude	064	1	(N)	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
<i>Lösch-Flag</i>	065	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

Max. Length: 65
Sorting: NTypNr, NTypSubNr, LfdNr
Primary Key: NTypNr, NTypSubNr, LfdNr
Delta Key: NTypNr

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant= 537
NTypNr	029	9	N	Unambiguous number of the CV primary type (->532)
NTypSubNr	038	3	N	Unambiguous number of the secondary type within a primary type (->535)
LfdNr	041	3	N	Sequential number within a NTypNr-NTypSubNr combination.
MotNr	044	5	N	Engine Number (-> 155)
BJvon	049	6	(N)	Model Year from (YYYYMM)
BJbis	055	6	(N)	Model Year to (YYYYMM)
LKZ	061	3	(C)	Country Code (-> 010)
Exclude	064	1	(N)	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
<i>Lösch-Flag</i>	065	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

538 Allocation of CV to CV ID Numbers

Source: TecDoc

Contents: The allocation of CV primary and secondary types to manufacturer ID numbers

Length: 47

Sorting: NType Nr, NType SubNr, HerIDNr

Primary Key: NType Nr, NType SubNr, HerIDNr

Delta Key: NTypNr

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant =538
NTypNr	029	9	N	Unambiguous number of the CV primary type (->532)
NTypSubNr	038	3	N	Unambiguous number of the secondary type within a primary type (->535)
HerIDNr	041	5	N	Manufacturer ID Number (-> 554)
Lösch-Flag	046	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant =538
NTypNr	029	9	N	Unambiguous number of the CV primary type (->532)
NTypSubNr	038	3	N	Unambiguous number of the secondary type within a primary type (->535)
HerIDNr	041	5	N	Manufacturer ID Number (-> 554)
Lösch-Flag	046	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

539 Country Restrictions for the Allocation of CV to ID Numbers

Source: TecDoc

Contents:	Inclusion of certain countries for the allocation of CV primary and secondary types to manufacturer ID numbers
Length:	50
Sorting:	NTypNr, NTypSubNr, HerIDNr, LKZ
Primary Key:	NTypNr, NTypSubNr, HerIDNr, LKZ
Delta Key:	NTypNr

Name	Pos	Length	Type	Description
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Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant =539
NTypNr	029	9	N	Unambiguous number of the CV primary type (->532)
NTypSubNr	038	3	N	Unambiguous number of the secondary type within a primary type (->535)
HerIDNr	041	5	N	Manufacturer ID Number (-> 554)
LKZ	046	3	C	Country Code (-> 010)
Exclude	049	1	N	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
<i>Löschen-Flag</i>	050	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Löschen-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Löschen-Flag".

540 CV Types Voltages

Source: TecDoc

Contents:	Allocation of different voltages for CV primary and secondary types and to manufacturer ID numbers.
Max. Length:	49
Sorting:	NTypNr, NTypSubNr, LfdNr
Primary Key:	NTypNr, NTypSubNr, LfdNr
Delta Key:	NTypNr

Name	Pos	Length	Type	Description
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Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant =540
NTypNr	029	9	N	Unambiguous number of the CV primary type (->532)
NTypSubNr	038	3	N	Unambiguous number of the secondary types within a primary type (->535)
LfdNr	041	2	N	Sequential number within a NTypNr-NTypSubNr combination.
Volt	043	2	N	Main Current Voltage
LKZ	045	3	(C)	Country Code (-> 010)
Exclude	048	1	(N)	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
Lösch-Flag	049	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

541 CV Driver Cabs

Source: TecDoc

Contents: Description of all CV driver cabs
Length: 120
Sorting: FHausNr
Primary Key: FHausNr
Delta Key: FHausNr

Name	Pos	Length	Type	Description
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Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant =541
FHausNr	007	5	N	Unambiguous number of the driver cab
HerNr	012	6	N	Unambiguous number of the driver cab manufacturer (->100)
KModNr	018	5	N	Unambiguous number of the CV model series to which the driver cab is allocated (->110)
Baumuster	023	30	(C)	Cab Design
LBezNr	053	9	N	Description number (-> 012) for the sales description
Reserviert	062	21	C	Constantly Blank
Size	083	3	(N)	Driver Cab Size (-> 69)
BJvon	086	6	(N)	Model Year from (YYYYMM)
BJbis	092	6	(N)	Model Year to (YYYYMM)
Length	098	7	(N)	Driver cab length in mm
Height	105	7	(N)	Driver cab height in mm
Width	112	7	(N)	Driver cab width in mm
Delete	119	1	N	1: Criterion is proposed for deletion, otherwise 0
<i>Lösch-Flag</i>	120	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

542 CV Driver Cab Country Restrictions

Source: TecDoc

Contents:	Inclusion of certain countries for a CV driver cab			
Length:	38			
Sorting:	FHausNr, LKZ			
Primary Key:	FHausNr, LKZ			
Delta Key:	FHausNr			

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant =524
FHausNr	029	5	N	Unambiguous number of the driver cab (->541)
LKZ	034	3	C	Country Code (-> 010)
Exclude	037	1	N	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
<i>Löschen-Flag</i>	038	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Löschen-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Löschen-Flag".

543 Allocation of Driver Cabs to CVs

Source: TecDoc

Contents: The allocation of driver cabs to CV primary and secondary types
Max. Length: 64
Sorting: NTypNr, NTypSubNr, LfdNr
Primary Key: NTypNr, NTypSubNr, LfdNr
Delta Key: NTypNr

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant =543
NTypNr	029	9	N	Unambiguous number of the CV primary type (->532)
NTypSubNr	038	3	N	Unambiguous number of the secondary type within a primary type (->535)
LfdNr	041	2	N	Sequential number within a NTypNr-NTypSubNr combination.
FHausNr	043	5	N	Unambiguous number of the driver cab (->541)
Bjvon	048	6	(N)	Model Year from (YYYYMM)
Bjbis	054	6	(N)	Model Year to (YYYYMM)
LKZ	060	3	(C)	Country Code (-> 010)
Exclude	063	1	(N)	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
Lösch-Flag	064	1	N	1 = delete all data records for the Delta Key, otherwise = 0 (*)

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

544 Transmission

Source: TecDoc

Contents:	Description of all transmissions
Length:	90
Sorting:	GetrNr
Primary Key:	GetrNr
Delta Key:	GetrNr

Name	Pos	Length	Type	Description
------	-----	--------	------	-------------

DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant =544
GetrNr	007	5	N	Unambiguous number of the transmission
HerNr	012	6	N	Unambiguous number of the transmission manufacturer (->100)
Code	018	30	C	Transmission Code
GetrArt	048	3	(N)	Transmission Type (KT 85)
Bjvon	051	6	(N)	Model Year from (YYYYMM)
Bjbis	057	6	(N)	Model Year to (YYYYMM)
Trmin	063	5	(N)	Transmission Ratio Minimum
Trmax	068	5	(N)	Transmission Ratio Maximum
Trinv	073	5	(N)	Transmission Ratio Reverse
ID	078	10	(C)	Transmission ID
Gaenge	088	2	(N)	Number of gearbox speeds
Lösch-Flag	090	1	N	1 = delete all data records for the Delta Key, otherwise = 0 (*)

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

545 Transmission Country Restrictions

Source: TecDoc

Contents:	Inclusion of certain countries for a transmission
Length:	38
Sorting:	GetrNr, LKZ
Primary Key:	GetrNr, LKZ
Delta Key:	GetrNr

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant =545
GetrNr	029	5	N	Unambiguous number of the transmission (->544)
LKZ	034	3	C	Country Code (-> 010)
Exclude	037	1	N	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
<i>Lösch-Flag</i>	038	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

546 Allocation of a Transmission to a CV

Source: TecDoc

Contents: The allocation of transmissions to CV primary and secondary types

Max. Length: 64

Sorting: NTypNr, NTypSubNr, LfdNr

Primary Key: NTypNr, NTypSubNr, LfdNr

Delta Key: NTypeNr

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant =546
NTypNr	029	9	N	Unambiguous number of the CV primary type (->532)
NTypSubNr	038	3	N	Unambiguous number of the secondary type within a primary type (->535)
LfdNr	041	2	N	Sequential number within a NTypNr-NTypSubNr combination.
GetrNr	043	5	N	Unambiguous number of the transmission (->544)
Bjvon	048	6	(N)	Model Year from (YYYYMM)
Bjbis	054	6	(N)	Model Year to (YYYYMM)
LKZ	060	3	(C)	Country Code (-> 010)
Exclude	063	1	(N)	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
<i>Lösch-Flag</i>	064	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant =546
NTypNr	029	9	N	Unambiguous number of the CV primary type (->532)
NTypSubNr	038	3	N	Unambiguous number of the secondary type within a primary type (->535)
LfdNr	041	2	N	Sequential number within a NTypNr-NTypSubNr combination.
GetrNr	043	5	N	Unambiguous number of the transmission (->544)
Bjvon	048	6	(N)	Model Year from (YYYYMM)
Bjbis	054	6	(N)	Model Year to (YYYYMM)
LKZ	060	3	(C)	Country Code (-> 010)
Exclude	063	1	(N)	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
Lösch-Flag	064	1	N	*1 = delete all data records for the Delta Key, otherwise = 0 (*)*

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

550 CV Wheelbase

Source: TecDoc

Contents:	Allocation of wheelbase information to CV primary and secondary types
Max. Length:	56
Sorting:	NTypNr, NTypSubNr, LfdNr
Primary Key:	NTypNr, NTypSubNr, LfdNr
Delta Key:	NTypeNr

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant =550
NTypNr	029	9	N	Unambiguous number of the CV primary type (->532)
NTypSubNr	038	3	N	Unambiguous number of the secondary type within a primary type (->535)
LfdNr	041	2	N	Sequential number within a NTypNr-NTypSubNr combination.
Radstand	043	6	N	Wheelbase in mm
AchsPos	049	3	N	Axle Position (KT 064)
LKZ	052	3	(C)	Country Code (-> 010)
Exclude	055	1	(N)	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
<i>Lösch-Flag</i>	056	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

551 CV Suspension

Source: TecDoc

Contents: Allocation of suspension to CV primary and secondary types
Max. Length: 53
Sorting: NTypNr, NTypSubNr, LfdNr
Primary Key: NTypNr, NTypSubNr, LfdNr
Delta Key: NTypeNr

Name	Pos	Length	Type	Description
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Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant =551
NTypNr	029	9	N	Unambiguous number of the CV primary type (->532)
NTypSubNr	038	3	N	Unambiguous number of the Secondary types within a primary type (->535)
LfdNr	041	2	N	Sequential number within a NTypNr-NTypSubNr combination.
FederNr	043	3	N	Suspension Type (KT 066)
AchsPos	046	3	N	Axle Position (KT 064)
LKZ	049	3	(C)	Country Code (-> 010)
Exclude	052	1	(N)	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
<i>Lösch-Flag</i>	053	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

552 CV Tyres

Source: TecDoc

Contents:	Allocation of tyres to CV primary and secondary types
Max. Length:	53
Sorting:	NTypNr, NTypSubNr, LfdNr
Primary Key:	NTypNr, NTypSubNr, LfdNr
Delta Key:	NTypeNr

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant =552
NTypNr	029	9	N	Unambiguous number of the CV primary type (->532)
NTypSubNr	038	3	N	Unambiguous number of the secondary type within a primary type (->535)
LfdNr	041	2	N	Sequential number within a NTypNr-NTypSubNr combination.
ReifenNr	043	3	N	Tyres (KT 060)
AchsPos	046	3	N	Axle Position (KT 064)
LKZ	049	3	(C)	Country Code (-> 010)
Exclude	052	1	(N)	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
<i>Lösch-Flag</i>	053	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

553 CV Chassis

Source: TecDoc

Contents:	Allocation of the chassis to CV primary and secondary types
Max. Length:	57
Sorting:	NTypNr, NTypSubNr, LfdNr
Primary Key:	NTypNr, NTypSubNr, LfdNr
Delta Key:	NTypeNr

Name	Pos	Length	Type	Description
Reserviert	000	22	C	Constantly blank
DLNr	022	4	N	Data Supplier Number Constant = 9999
SA	026	3	N	Data Table Constant =553
NTypNr	029	9	N	Unambiguous number of the CV primary type (->532)
NTypSubNr	038	3	N	Unambiguous number of the secondary type within a primary type (->535)
LfdNr	041	2	N	Sequential number within a NTypNr-NTypSubNr combination.
Prefix	043	10	C	Chassis
LKZ	053	3	(C)	Country Code (-> 010)
Exclude	056	1	(N)	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
Lösch-Flag	057	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".

554 CV Producer-IDs

Source: TecDoc

Contents:	Allocation of the CV Producer-IDs
Max. Length:	39
Sorting:	HerNr, HerID
Primary Key:	HerIDNr
Delta Key:	HerNr

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant =554
HerIDNr	007	5	N	Unambiguous number of the CV Producer-ID-Number
HerNr	012	6	N	Number of the CV Producer (->100)
HerID	018	20	N	CV Producer-ID
Delete	038	1	N	1: CV Producer-ID is proposed for deletion, otherwise 0
<i>Lösch-Flag</i>	039	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The “Lösch-Flag” is only provided with the separate Reference-Data-Deltas inside the “TecDoc Data Package” delivery. All other reference data files in all other packages are unchanged and do not include the “Lösch-Flag”.

555 CV Producer-Ids Country Restrictions

Source: TecDoc

Contents:	Includes of specivied countrys one CV Producer-IDs
Max. Length:	16
Sorting:	HerIDNr, LKZ
Primary Key:	HerIDNr, LKZ
Delta Key:	HerNr

Name	Pos	Length	Type	Description
DLNr	000	4	N	Data Supplier Number Constant = 9999
SA	004	3	N	Data Table Constant =555
HerIDNr	007	5	N	Unambiguous number of the CV Producer-ID-Number (-> 554)
LKZ	012	3	N	Number of the CV Producer (->100)
Exclude	015	1	N	'1' = Country Code is an exclusion, '0' = Country Code is an inclusion.
<i>Lösch-Flag</i>	016	1	N	<i>1 = delete all data records for the Delta Key, otherwise = 0 (*)</i>

(*) The "Lösch-Flag" is only provided with the separate Reference-Data-Deltas inside the "TecDoc Data Package" delivery. All other reference data files in all other packages are unchanged and do not include the "Lösch-Flag".