



# DPD Parcel Label Specification

Version 2.4.1 / 19.01.2021

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## Changes from the previous version

Date	Version	Author	Status *draft issued, approved, deferred	Change
19.01.2021	2.4.1			Chapter 8.5.6 Value of goods (with currency) removed Express Label image revised
	2.4			Chapter 4.1 Revision of field contents Chapter 4.6.1.3 Revision of Barcode Code 128 Chapter 5.1 Revision of shipment data Chapter 8.8 Revision of DPD Mail Chapter 8.9.2 Revision of Pickup Parcelshop parcel label
	2.3			Chapter 4.1 Final consignee address added Chapter 8.5.6 DPD EXPRESS revised Chapter 8.9.2 Pickup Parcelshop label revised

	2.2			<p>Chapter 4.2 Notice regarding the consignee's telephone number added</p> <p>Chapter 4.5.2 Number cycle for small-scale customers added</p> <p>Chapter 5.1 Shipment data revised</p> <p>Chapter 8.9.3 Consignee's receipt added</p> <p>Chapter 11.7 Position 13 and 37 of column remark revised</p>
	2.1			<p>Chapter 11.7 Correction in Position 121</p>

	2.0			<p>Restructuring of the complete documentation</p> <p>Chapter 4 UPU barcode added  New Chapter 4.1 field contents added  Chapter 4.2 CO<sub>2</sub>-neutral parcel shipping text added  New Chapter 4.4 Aztec 2D code added</p> <p>Chapter 8.5.1 DPD 8:30 revised  Chapter 8.5.2 DPD 10:00 revised  Chapter 8.5.3 DPD 12:00 revised  Chapter 8.5.4 DPD 18:00 revised  Chapter 8.5.5 DPD GUARANTEE revised  Chapter 8.5.6 DPD EXPRESS revised  Chapter 8.8 DPD Mail revised  Chapter 11.4 Checklist for customer-side parcel printing revised  Chapter 11.5 DPD country table acc. to ISO 3166.1 updated  Standard Parcel Label outsourced</p>
	1.7			Chapter 3.1, 3.2.1, 5.6 and 5.8 revised
	1.6			Chapter 5.10 revised

	1.5			Chapter 5.9, 5.10 and 10.2 added Chapter 3.2.3.2 revised Chapter 3.2.2, 4.2.1, 5, 5.1, 5.2 and 5.3 parcel labels revised
	1.4			Correction of service field content in parcel label examples
	1.3			Text adaptations, adding of DPD 8:30
	1.2			Text adaptations
	1.1			Changes to the layout of the parcel labels
	1.0			First version created on 30.09.2005

## Participant

Name	Organisation	Role	Contact



# 1 Introduction

The parcel label with its bar-coded information forms the logistical basis of the DPD system. For all parties involved these specifications define the standard which is essential to the production and use of the DPD parcel label. The DPD system can only be operated at a high-quality level if these specifications are complied with.

If the parcel labels are printed by the customer, the DPD parcel label (including all barcode information) will be created at the time it is required. This makes it possible to associate customer- or order-specific data with the DPD parcel label number (complete parcel tracing from order processing to delivery: "reference number").

In addition to the option for the customer to program parcel label printing applications himself/herself, ready-to-use shipping systems manufactured by various system vendors are also available. To find the best solution for the customer, the appropriate depot is available for giving advice regarding the advantages and capabilities of these shipping systems. DPD itself offers the DPD Print parcel label printing program, The DPD Print parcel labels shown here are to be regarded as templates for all parcel labels.

Note: All barcodes used in the examples are identical in form and content and just serve as a reference for barcode Code 128. They do not correspond with the respective written characters in the examples.

## 2 General process

### 2.1 The DPD system

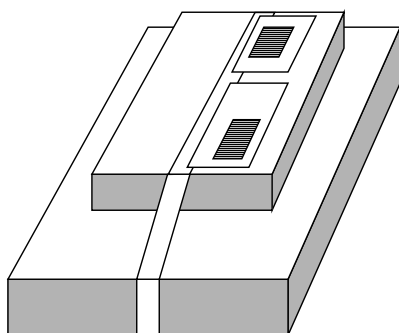
The logistic process in the DPD system and the Tracking parcel tracking IT solution are based on regular parcel scanning using stationary or mobile scanners. The necessary information is contained in a barcode that must be present on every parcel. In exceptional cases additional labels with additional codes are attached to the parcel (information on additional labels is available in the "DPD specification for additional labels", which you can obtain from your depot). In the interests of safety, the parcel labels also contain all the information encoded in the barcode in plain text.

### 2.2 Shipping requirements

Within the DPD system parcels are also processed by fully automatic scanners working at high conveyor speeds. As a result, a number of rules have to be complied with for the use of parcel labels, regardless of the type of label:

- To ensure the parcel can be properly sorted, the largest area of the parcel must face down to prevent the parcel from tipping.
- All DPD relevant parcel labels must be attached to the upper side of the parcel.
- The labels and thus the parcel information must not be covered by packaging string.
- The labels must not be covered by markings (e.g. felt-tip pen) or other labels.
- Old labels/barcodes (e.g. from multiple use of the packing) must be removed or covered by the new labels/barcodes in order to make sure that old barcode information is no longer machine-readable.

If shrink film is used, the area covering the labels must be smooth and without print. To ensure readability throughout the DPD system, the shrink film must be tested and approved by DPD GmbH & Co. KG before it can be used. Please contact your appropriate depot for the necessary arrangements.



**Correct parcel orientation**

# 3 The label

## 3.1 Size

Parcel labels must as a minimum have the format DIN EN ISO 216 A6 or DIN A6 (equivalent to 105x148 mm) in order for all information to fit on the label.

## 3.2 Paper quality

<b>Color</b>	white
<b>Reflection factor</b>	$R_w \geq 75\%$
<b>Surface</b>	moisture-resistant, abrasion-proof
<b>UV resistance</b>	Contrast change < 10% within two hours, at a constant temperature of 50°C and intensive insolation
<b>Label adhesiveness</b>	Glue permanently adhering, if possible use glues which are not harmful to the environment (water-soluble, solvent-free)
<b>Temperatures</b>	- 20°C to + 80°C
<b>Storage</b>	No visible quality deterioration within 6 months at a constant temperature of 20°C and a humidity of 40%

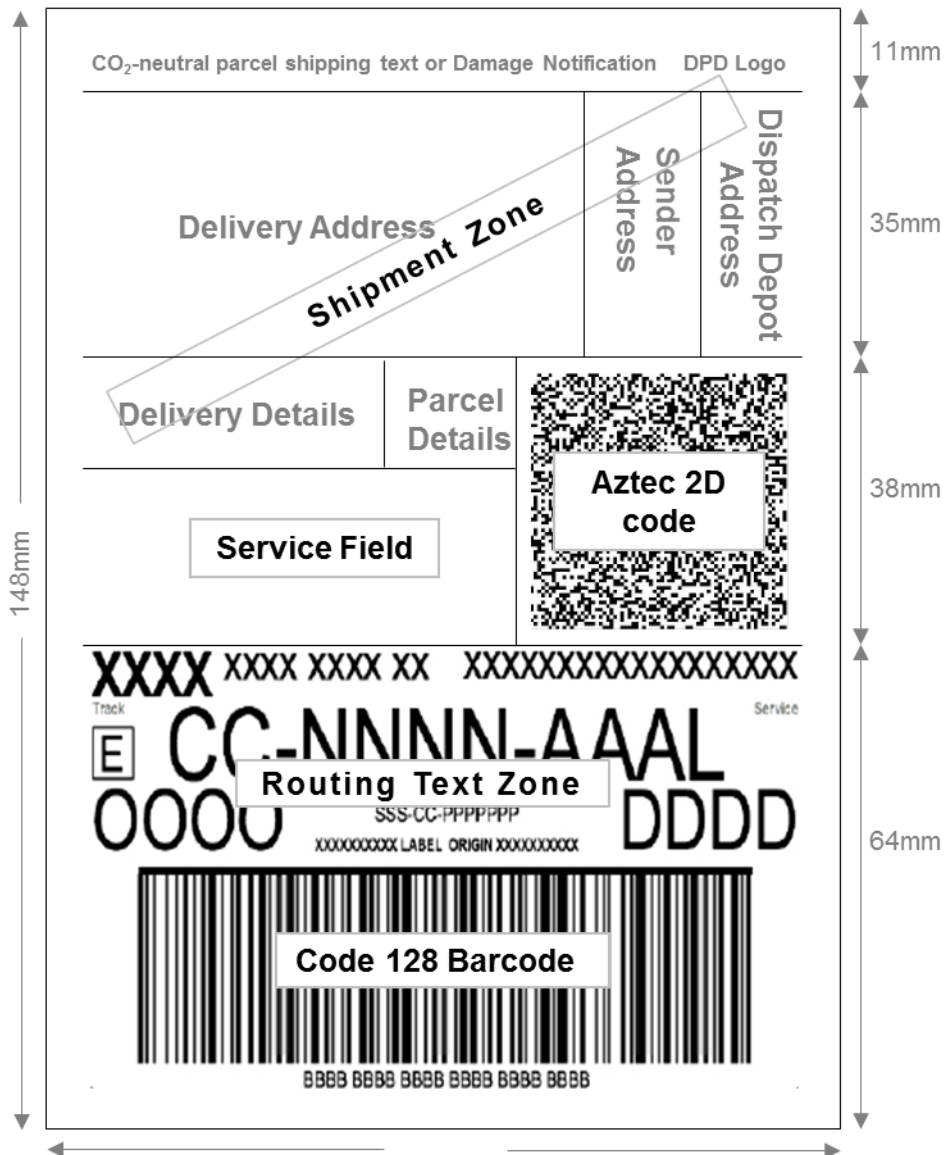
For sources of supply please contact your appropriate depot!

# 4 The parcel label and its components

In order to ensure the reliable, correct and fast transport of parcels, the DPD parcel label contains both information in plain text and in code form. As can be seen below, the parcel label always has the same structure and is divided into the following sections:

<b>Field</b>	<b>Description</b>
Shipment Zone	
Damage notification or CO <sub>2</sub> -neutral parcel shipping text	Optional inclusion of the damage notification or the CO <sub>2</sub> -neutral parcel shipping text
DPD logo	
Dispatch depot address	Address of dispatch depot
Sender address	Address of the parcel's consignor
Delivery address	Address of the parcels consignee
Customer-specific info	Information from consignor to consignee, e.g. reference numbers
Parcel details	Number of parcels and parcel weight
Service field	Information relating to the service of the parcel
Aztec 2D code	Secondary code with shipment information
Routing Text Zone	Routing information
Code 128 barcode	Primary barcode for parcel identification

Parcel label layout



If in addition to the details specified by DPD further company-internal information from the customer is to be integrated in plain text or possibly also as a barcode in the parcel label, or applied to the parcel as a customer barcode, this has to be agreed in advance with the appropriate depot. This is the only way that possible sources of error can be excluded.

The application of customer codes with the symbols:

- Code 128 (17- and 28-digit)
- Type 2/5-interleaved (whatever the length)
- Aztec
- UPU(Universal Postal Union)

has to be avoided, because these are code types which are used in the DPD system. If their use is absolutely essential, this has to be agreed with the responsible depot and the Code 128 barcode must never begin with a "%" (percent) or "!" (exclamation mark).

Parcel label with CO<sub>2</sub>-neutral parcel shipping text:

<b>Responsible delivery – CO<sub>2</sub> neutral</b> 	
Empfänger/Consignee <b>Schmitt &amp; Schneider GmbH</b> <b>Versandservice</b> <b>Herrn Wolfgang Schneider</b> <b>Wasserburger Landstraße 678</b>  <b>Telefon 0049 89 9222 3699</b> <b>DE-81827 München (Trudering-Riem)</b>	
Absender/Sender Verpackungsdeen Inh. A. Müller Würzburger Straße 789 DE-63742 Aschaffenburg (Schweinhelm) Telefon 0049 (0) 90 21 - 35 89-0	
Depot 0163 DPD GeoPost (Deutschland) GmbH Auftragsstr. 25 DE-63741 Aschaffenburg Tel: +49 (0) 90 21 - 4 43 94-0	
Referenz 1: <b>Herbstaktion 303</b>	Lieferung/Shipment <b>1 / 1</b>
Referenz 2: <b>Order 303-1008675SF</b>	Gewicht/Weight <b>6,90 kg</b>
	
<b>09980000 0200 28<sub>9</sub></b> Track	
<b>DE-0180</b> 101-DE-81827	
<b>45</b> D Service	
19.12.12 14:32 DELISprint 6.0.3.0 R20120903 WIN 	
0081 827 0998 0000 0200 28 101 276 B	

## 4.1 Field contents

The following table describes the mandatory letter heights for the individual fields.

<i>Field name</i>	<i>Field type</i>	<i>Number of characters</i>	<i>Letter heights</i>	<i>Commentary or field in MPSEXPDATA</i>
Field headers	M	variable	1.5 mm	
<b>Shipment zone</b>				
Damage/loss message	O	variable	1.5 mm	
CO <sub>2</sub> -neutral parcel shipping text	O	29	4.0 mm	
DPD logo	M	-	2.0 mm	Height of DPD lettering
<b>Dispatch depot address</b>				
Depot and depot number	M	variable	1.5 mm	
Name 1	M	variable	1.5 mm	
Address 1	M	variable	1.5 mm	
Country code/postcode/town	M	variable	1.5 mm	
Telephone number	M	variable	1.5 mm	
<b>Consignor address</b>				
Name 1	M	35	1.5 mm	SNAME1
Name 2	O	35	1.5 mm	SNAME2
Street/number	M	35/8	1.5 mm	SSTREET/SHOUS NO
Country code/postcode/town	M	3/9/35	1.5 mm	SCOUNTRA/SPOSTAL/SCITY
Telephone number	O	30	1.5 mm	SPHONE
<b>Consignee address</b>				
Name 1	M	35	2.5 mm bold	RNAME1
Name 2	O	35	2.5 mm bold	RNAME2
Name of final consignee	O	35	2.5 mm bold	ONAME1
Contact person	O	35	2 mm	RCONTACT
Street/number	M	35/8	2.5 mm bold	RSTREET/RHOUS NO
Additional details	O	variable	2.5 mm bold	
Telephone number	O	30	2 mm	RPHONE
Country code/postcode/town	M	2/9/35	2.5 mm bold	RCOUNTRA/RPOSTAL/RCITY
<b>Customer-specific info</b>				
Customer ref. number 1	O	35	2mm	CREF1
Customer ref. number 2	O	35	2mm	CREF2
<b>Parcel details</b>				
Shipment consists of	M	7	2.5mm	MPSCOUNT
Weight	O	6	2.5mm	Printed to 2 decimal places
<b>Service field</b>				

Service information	O	variable	3 mm	
+ COD data	O	variable	2 mm	
+ Export data	O	variable	2 mm	
Data for Department delivery	O	variable	2 mm	
<b>Aztec 2D code</b>				
Aztec 2D code	M	-	max. 34 mm	up to 34 mm page length
<b>Routing text zone</b>				
Destination text (D-text)	M	10	11mm	
Outbound route sort (O-sort)	M	4	7mm	
Inbound route sort (D-sort)	M	4	7mm	
Tracking number	M	15	6mm (4 digits) 4mm (10 digits) 2 mm (1 digit)	
Service mark	O	1	4mm	Printed in a box
Service text	M	16	4mm	
Service code /country/consignee address postcode	M	14	2mm	
Label origin	M	variable	1.5mm	
<b>Code 128 barcode field</b>				
Horizontal bar above barcode	M	-	-	
Code 128 barcode	M	-	>=25mm	Barcode height
Barcode plain text	M	28	2mm	

M= mandatory field, O= optional field

The test size depends on the fonts used by the parcel label printer so a tolerance of 20% is allowed. The label text size must be in proportion with each other in order to make sure that they are visually compatible. In the sample parcel labels which appear in the specifications, the "Arial Narrow" font has been used.

For better recognition during manual reading of the difference between "0" (zero) and the capital letter "O", all zeros in the routing and barcode field are slashed (crossed through). Because it is also possible for letters to appear in the postcode, for example in Great Britain, there could otherwise be confusion when the letter "O" is immediately followed by a "0", and this could lead to delays in transport.

If this differentiation is not possible for technical printing reasons, it is possible to do without it, but it may not be possible in that case to exclude delays in transport.

When the field headers, e.g. for consignees, are printed out there are two possibilities:

1. always in the national language and English
2. for domestic parcels in the national language and for international parcels in English



## 4.2 The shipment zone

The shipment zone contains all parcel-related data:

- Correct and complete recipient address (no P.O. box)
- Correct and complete sender address (no P.O. box)
- DPD dispatch depot address
- Damage notification or CO2-neutral parcel shipping text
- Customer-specific info (e.g. reference numbers)
- Parcel details (number of parcels and parcel weight)
- DPD logo

Layout of the shipment zone:

CO2-neutral parcel shipping text or Damage Notification		DPD Logo	
Delivery Address		Sender Address	Dispatch Depot Address

If the damage notification is used, it must appear in the language of the country of dispatch and in English (English: "Damage not recognizable on the outside has to be reported in writing to DPD within 7 days after delivery."). If the CO2-neutral parcel shipping text "Responsible delivery – CO2-neutral" is to be printed out, the image with the CO2-neutral parcel shipping text in the appendix to these specifications must be used. The appropriate depot will provide information about whether a text should be printed out, and if so which text.

Care must be taken in the case of the consignee address to ensure that the consignee's telephone number is printed out, if the information is available.

For all further details about the contents of the individual fields and the letter sizes please see the table in Chapter 4.1: Field contents.

## 4.3 The service field

As soon as a parcel label is printed with a service, the relevant information about the service has to appear in the service field. The information to be printed out is to be taken from the service code in the routing database (table SERVICEINFO, field ServiceFieldInfo).

In the case of the COD, Export and Department delivery services, further information has to be printed out in addition to this service information. The required details are described in Chapter 8: Parcel labels for various services.

Layout of the service field:

<b>COD - Data</b>	<b>Export - Data</b>
<b>Department Delivery</b>	
<b>SERVICE INFORMATION</b>	

For further details about the letter sizes please see the table in Chapter 4.1: Field contents.

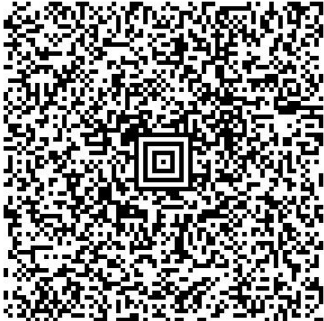
## 4.4 The Aztec 2D code field

Use of AZTEC Two Dimensional Symbol enables GeoPost customers to encode large amounts of data into the symbol, which will travel with the package.

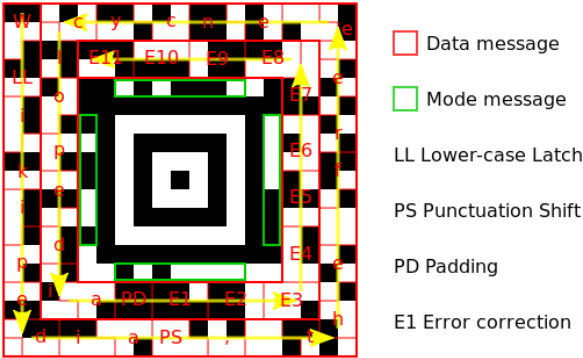
The symbology is capable of encoding the entire 255 character ISO/IEC 8859-1 data set. The symbology can encode up to 3067 characters in a single symbol, however this is reduced by the error correction level and the application. GeoPost has set a limit of 1000 characters. For a maximum square size of 3.4cm.

AZTEC Code was invented by Andrew Longacre, Jr. and Robert Hussey in 1995. It has been released to the public domain.

This symbology uses square modules with a unique finder pattern in the middle of the symbol.



The symbol is built on a square grid with a bulls-eye pattern at its center for locating the code. Data is encoded in concentric square rings around the bulls-eye pattern. Because of that, a quiet zone is not required.



Message data is placed in a spiral pattern around the core. The mode message begins "01011100", indicating  $01_{2+1} 2$  layers, and  $011100_{2+1} = 29$  data codewords (of 6 bits each).

The selected encoding characters set is the ISO/IEC 8859-1 Latin alphabet No. 1

According to ISO 24778 (AZTEC bar code), the error correction is set to 23%.

### 4.4.1 Data Content

To insure compatibility with the market, and facilitate exchange with external providers, custom and security, the content of the barcode will respect the ISO 15434 norm.

This International Standard defines the manner in which data is transferred to high-capacity automatic data capture (ADC) media from a supplier's information system and the manner in which data is transferred to the recipient's information system. This International Standard does not define the internal data storage format for specific high-capacity ADC media. This International Standard does not specify the application of data structures provided by a specific data syntax format. The application of the data structure is specified by industry conventions.

Users of ADC technologies benefit by being able to receive data in a standard form and by being able to provide data in a standard form. Static ADC technologies such as bar code symbologies, magnetic stripe, optical character recognition, surface acoustical wave (SAW) and Weigand effect typically encode a single field of data.

Most applications of these technologies involve the encoding of a single field of data by the supplier of the medium and the subsequent decoding of the data field by the recipient. Encoding single fields of data permits the supplier to perform the encodation from a single field within the supplier's information system. Decoding single fields of data permits the recipient to input this data into a single field in the recipient's information system, in lieu of key entry.

High-capacity ADC technologies, such as two-dimensional symbols, RFID transponders, contact memories and smart cards, encode multiple fields of data. These multiple fields are usually parsed by the recipient's information system and then mapped to specific fields of data in the recipient's information system. This International Standard defines the syntax for high-capacity ADC media, so as to enable ADC users to utilize a single mapping utility, regardless of which high-capacity ADC medium is employed.

#### 4.4.1.1 Special characters used by ISO 15434

Where "R S", " G S", "U S", " E OT" are non-printable characters"

<i>Description</i>	<i>ASCII Value</i>		
	<i>Tag</i>	<i>decimal</i>	<i>Hexadecimal</i>
Format envelope trailer	<sup>R</sup> <sub>S</sub>	30	0x1E
Field separator	<sup>G</sup> <sub>S</sub>	29	0x1D
Sub field separator	<sup>U</sup> <sub>S</sub>	31	0x1F
Message trailer	<sup>E</sup> <sub>OT</sub>	04	0x04

#### 4.4.1.2 ISO message structure

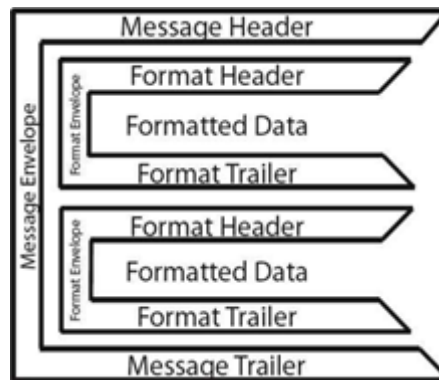
To allow multiple data Formats to be contained within a data stream, a two level structure of enveloping is employed. The outermost layer of the message is a Message Envelope that defines the beginning and end of the message. Within the Message Envelope are one or more Format Envelopes that contain the data (see Figure 1). Multiple formats in a single message should only be employed with bi-lateral agreements of the trading partners.

The Message Envelope shall consist of

- a Message Header,
- one or more Format Envelope(s), and
- a Message Trailer (when required).

Each Format Envelope within the Message Envelope shall consist of

- a Format Header,
- data, formatted according to the rules defined for that Format, and
- a Format Trailer (when required).



Description	Value	Comment
Message header	$[>]^R S$	Beginning of the barcode
Format header	$01^G S 02$	"01" for transportation and "02" the version
ISO Fields	Variable	Fields specified by the ISO norm
Format trailer	$^R S$	
Format header	07	"07" for free definition of format (GeoPost definition)
GeoPost Header	GNN	To identify the type of GeoPost format (from 02)
GeoPost Fields	Variable	Fields depending on the GeoPost type format
Format trailer	$^R S$	
Format header	07	"07" for free definition of format (GeoPost definition)
GeoPost Header	Variable	To identify the type of GeoPost format
GeoPost Fields	Variable	Fields depending on the GeoPost type format
Format trailer	$^R S$	
....		
Message trailer	$E_{OT}$	

#### 4.4.1.3 Column description

<i>Column name</i>	<i>Description</i>
Field No	Field or sub-field number. For field identification.
Description	Field description.
Max Size	Field maximum size. For sender, receiver and article information, this is the medium size of all its subfields.
Subfield Max Size	Subfield maximum size
Priority	Priority is between 1 and 20. Only fields of priority one are mandatory. If the size of all the fields is greater than 1000 characters, the priority is automatically taken into account by the cutting algorithm. Priority is set to "X" when the field priority is driven by a management rule.
Field / Sub Filed	"F" for field, "S" for subfield. See management rules 21 and 22.
Mgt Rul	Number of management rule(s) that apply to this field (describe in "Mgt Rules" table)

#### 4.4.1.4 Management rules

<i>Rule Number</i>	<i>Ruletype</i>	<i>Description</i>
4	Development	At least one of the field "Receiver contact name" (2DSTD_RecContact) and "Receiver company name1" (2DISO_RecCompName1) is required (mandatory)
5	Development	At least one of those fields is required (mandatory) for Predict. If one of those fields is set and if it is valid for this service code, the customer will have to receive a predict notification whatever is the value of "Notification type" (2DSTD_NotifType). (either position 31 or 32 has to be filled)
6	Development	Most of the time, the field will be include into "Receiver street" (2DISO_RecStreet)
7	Development	Mandatory for some country (US/CA/ES...)
8	Development	Mandatory if the parcel is coming from EU to a non EU country, from a non EU country to EU country or non EU to non EU country. Empty for intra EU parcel. Means when there is Customs
9	Development	Mandatory for limited quantity parcel, empty in the other case.
10	Development	At least one of those two fields is mandatory
11	Development	Mandatory if custom process
16	Development	If it is a MPS shipment, the custom block will be only set for the "Master parcel" ("2DISO_RanglnNumber" = 001/NNN). Custom block is forbidden for the other piece of the MPS shipment ("2DISO_RanglnNumber" <> 001/NNN).
19	Development	Total weight of consignment in case of MPS. The field is set only for the master piece of MPS. Empty in the other cases. (only set within first parcel: 001/XXX)

20	Development	By default, fields are of variable length up to the maximum length defined. As well for numeric field than for alphabetic field, no padding has to be added to the data. There is some exception for which format is described into column "additional description". Those rules apply for all fields.
21	Development	If the field is of the type "F" (field) it has to be followed by the character ASCII 29 : <GS>. Those rules apply for all fields.
22	Development	If the field is of the type "S" (subfield) it has to be followed by the character ASCII 31 : <US>. Those rules apply for all subfields.
23	Development	The data in the barcode has to be closed by the character <EOT> ASCII 04. Shows the closing character of the barcode
24	Development	Field content has to be LATIN1 compliant. Those rules apply for all fields.
25	Development	When possible, the phone number has to be set if the parcel is shipped to Ireland (or other country without zip code)
26	Development	This field is mandatory if it's a predict parcel
28	Development	If the country has no zip code system, the zip code is set to "0"
29	Development	Mandatory if it is a "COD" parcel
30	Development	If all subfield of a field are empty, subfield separator are not mandatory. All subfield separators will then be replaced by a single field separator
31	Development	If a field or a subfield is empty, it mustn't be padded. The field or subfield separator has to be there and follow immediately the previous one. this means that a separator can be followed by another one if a field or subfield is empty
32	Development	For all fields with phonenumbers which need to be truncated, use this rule: "0-9", "+", "(" and ")" are allowed, other characters must be dropped, to shorten the fieldsize to 25 characters. If more than 25 characters are left after dropping, cut the string to 25 characters from right.
2	Cutting	The maximum size of the field is not equal to the sum of the maximum size of each sub-field. It is a medium value of the total of each sub-field' medium size. If the maximum size of the field is reached when all subfield real size are added, we have to suppress subfield per order of priority or trunk subfields in the "best way". If there is some available space, the total size of the field can be up to the total of each sub-field' max size.
3	Cutting	The sender block is mandatory into 2D barcode if the parcel is a non EU parcel.
14	Cutting	mandatory only if different to receivers detail in "GeoPost basic format block"
15	Cutting	mandatory only if different to "Destination Country Code" (2DISO_DestCountryCode)
16	Cutting	If it is a MPS shipment, the custom block will be only set for the "Master parcel" ("2DISO_RangInNumber" = 001/NNN). Custom block is forbidden for the other piece of the MPS shipment ("2DISO_RangInNumber" <> 001/NNN).
18	Cutting	An article is described only if all field of the article description can be put into the barcode.
19	Cutting	Total weight of consignment in case of MPS. The field is set only for the master piece of MPS. Empty in the other cases. (only set within first parcel: 001/XXX)

BU1	Cutting	If after applying the Mgt Rules to the Common Block no space is left to set this Flag and if data for this sub-block exists, the flag "2DSTD_BarcodeOF" needs to be set to 1.
BU2	Cutting	If this fields can not be coded due to space problem the flag "2DSTD_BarcodeOF" needs to be set to 1.

#### 4.4.1.5 DPD message structure

The DPD message structure for the Aztec 2D code can be found in Chapter 11.7 of the appendix to this documentation. The necessary rules for creating the DPD message structure are described in the management rules table in Chapter 4.4.1.4 (Ruletype Development).

If the maximum number of 1000 characters is exceeded, a reduction can be achieved by applying the management rules (Chapter 4.4.1.4 management rules) (Ruletype Cutting). The procedure for the application of the cutting rules is described in Chapter 11.8 Cutting Algorithms of the appendix.

## 4.4.2 Physical properties

The specified physical properties of the GeoPost AZTEC "2D" symbol have been developed to ensure accurate readability by the handheld scan guns in use now and with other bar code scanning systems that may be introduced in the future.

The individual components of the specification were determined as follows:

#### 4.4.2.1 Module size or X-Dimension

Determined by the scanner type, the specified module size was selected to ensure adequate scanner performance with raster laser type scanners.

The width of the minimum narrow element (bar or space) is a dimensional parameter, which can be used to calculate the symbol's actual width. This X-Dimension has to be a multiple of the size of a dot of our thermal printer. Most of our thermal printer are at least of 203 dpi (dot per inch). To optimize reading, X-Dimension should be at least equal to size of free dot. The X-Dimension should be set to 0,38mm.

#### 4.4.2.2 Error correction

The error correction level was chosen as a good compromise between data security and symbol size (and overhead). ISO 24778 sets this error correction to 23% for large AZTEC barcode. In accordance with ISO 24778 the error correction rate must not be higher.

#### 4.4.2.3 Barcode metrics

The important physical properties evaluated on the GeoPost AZTEC "2D" symbol are:

**Module Size:**

X-Dimension (Module size)

Minimum:	N/A
Nominal:	0.38mm
Maximum:	N/A

**Error Correction:**

23%

**Overall Bar Code Size:**

Nominal Width: 3,4 cm

**Quit Zones:**

None

**Label Stock:**Use only white label stock.  
(Near Infrared for direct thermal printing)

### 4.4.3 Print quality

The print quality specifications were developed to ensure all scanners could read the bar codes. Print quality express in this chapter are in accordance with:

- ISO/IEC 24778 : "Information technology — Automatic identification and data capture techniques — Aztec Code bar code symbology specification"
- ISO/IEC 15415 : "Information technology — Automatic identification and data capture techniques — Bar code symbol print quality test specification — Two-dimensional symbols"

The major print quality criteria are:

#### 4.4.3.1 Print contrast signal (PCS)

The Print Contrast Signal values were established to ensure the bar codes would be readable at the conveyor speeds used on the GeoPost Ground automated package sorters. The scanners cannot consistently read bar codes with low PCS values on the sorters, although they may read well with a hand scanner. High quality white label stock along with high quality print is required to achieve the specified PCS. (Thermal labels should be of a Near Infra-Red type to support scanners operating in the 630nm to 670nm range. Labels should also exhibit stable print characteristics through exposure to varying heat and temperature conditions.)

#### 4.4.3.2 ISO 24778 grade

This is a graded measure of conformance to ISO standard for AZTEC print quality.

#### 4.4.3.3 AIM uniform symbology specification grade

This is a graded measure of conformance to AIM (Automatic Identification Manufactures Association) standard for bar code print quality.

#### 4.4.3.4 Quality parameters

<b>Print Contrast Signal</b>	PCS $\geq$ 90%
<b>Reflection factor of the white background</b>	$R_w \geq$ 75%
<b>Reflection factor of the bars</b>	$R_b \leq$ 10%
<b>Symbol Contrast</b>	SC $\geq$ 65%
<b>ISO 24778 Grade</b>	„A" grade
<b>AIM Uniform Symbology Specification Grade</b>	„A" grade



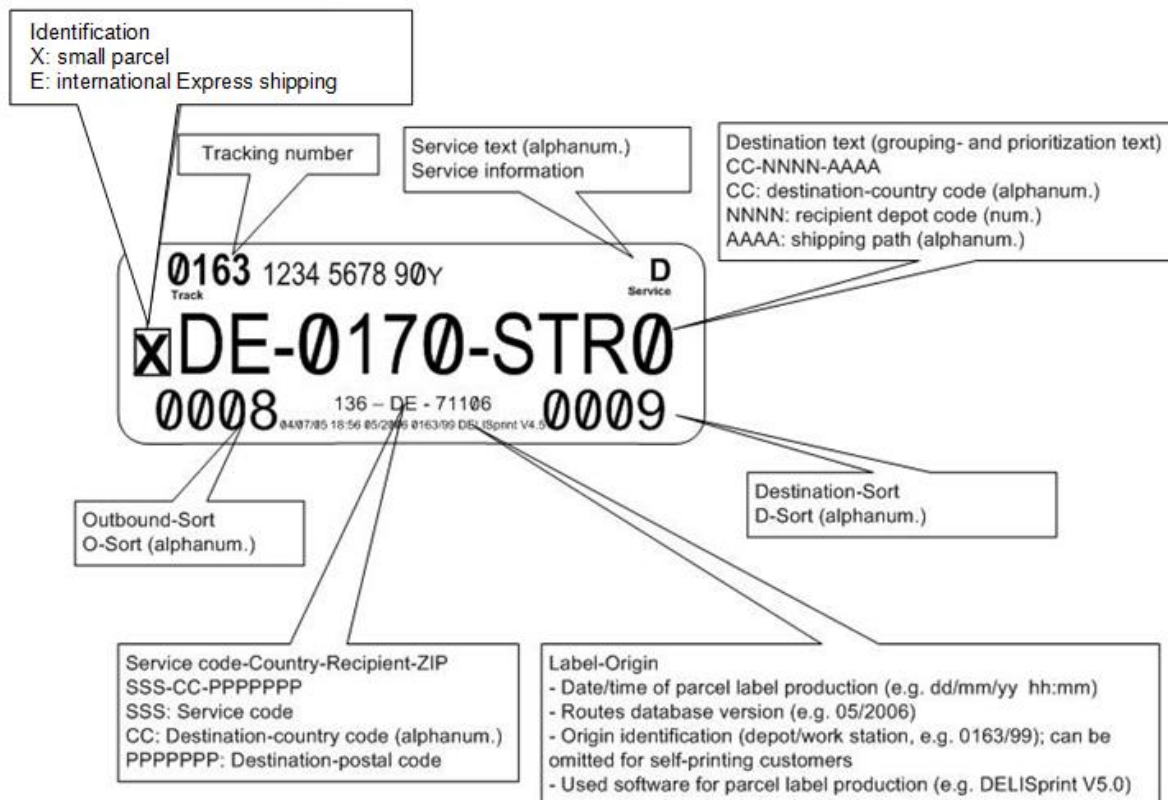
#### 4.4.3.5 Scan reflection profile (SRP)

The scan reflection profile (SRP) of the code should be in accordance with ISO/IEC 15415 quality check Class 4 (A) and must at least comply with Class 3 (B).

## 4.5 The routing text zone

The routing text zone contains the routing information and the tracking number (DPD parcel label number). They are printed out in plain text and are an aid for visual checks and manual sorting operations. Further details are the service text, the service mark, service code/destination postcode and label origin.

For information about the letter sizes in the routing text zone, please see the table in Chapter 4.1 Field contents.



**Note:** the destination text and routing sort which are used in the example are not real - they are only used to show how much space could be required. You should only print out the contents of the relevant fields in the routing database.

### 4.5.1 Routing information

Routing information consist of the outbound route sort (O-sort; Origin sort), destination text and the inbound route sort (D-sort; destination sort).

The basis for this is the destination information of country and postcode, which can be taken from the consignee address, together with the product definition and the location.

The service code (product definition) and further necessary routing information is taken from the routing database. The structure and the application of the routing database are described in the documentation "Routing database", which your depot will provide you with.

Printing the complete route information is mandatory, even if the depot does not utilize all information. However, it may be the case that the routes database does not contain the shipping path, because it is not necessary for some routes. If this is the case, there is no need for a shipping path and the destination country code and the recipient depot code will be printed in centered fashion. The forwarding route consists of the 'IATALikeCode' from the DEPOTS table and the 'GroupingPriority' from the ROUTES table in the routing database.

The country codes used in the barcode are based on the ISO 3166.1 standard. Pertinent examples can be found in chapter 11.5 Country table.

### 4.5.2 Tracking number

The DPD parcel label number is the only basis for identifying parcels within the DPD system. This tracking number (a sequential number from a prescribed number cycle) may only be used once in the DPD system within any six month period. In the case of parcel numbers which are used for COD this period is nine months. The following number code explains the structure of the tracking number:

**DDDD X<sub>1</sub> X<sub>2</sub> LLLLLLLL P**

- DDDD : Depot code
- X<sub>1</sub> : 5. digit of the tracking number
- X<sub>2</sub> : 6. digit of the tracking number
- LLLLLLLL : Serial number
- P : Check digit (acc. to chapter check digit calculation 4.2.6.1)

	X <sub>1</sub>		X <sub>2</sub>	
<b>Standard parcel labels<sup>1</sup></b>	0-4		0-9	Maxi and Mini
<b>Parcel labels printed by the customer<sup>2</sup></b>	5		0-9	
	6		0-7	
	6		8	Blocked for central processing of small-scale customers.
	6		9	
	7-8		0-9	
	9		0-7	

<sup>1</sup> Production only by the parcel label suppliers assigned to the depots by DPD GmbH & Co.  
<sup>2</sup> According to the DPD organisation manual and the parcel label specification, the DPD dispatch depots are responsible for proper parcel label printing.

	9		8	blocked for conversion of self-printing customers
	9		9	blocked for internal purposes
<b>DPD GmbH &amp; Co. (for special purposes)</b>				

### 4.5.3 Service text

The service text is for the manual identification of individual services. The information to be printed can be taken from the service codes in the routing database (Table SERVICE, Field ServiceText).

### 4.5.4 Service mark

The service mark enables the manual sorting of special services. The mark to be printed out can be taken from the service codes in the routing database (Table SERVICE, Field Service Mark) and appears in a box.

### 4.5.5 Service code/destination postcode

The combination of service code, destination country code and destination postcode serves for manual barcode reconstruction.

### 4.5.6 Label origin

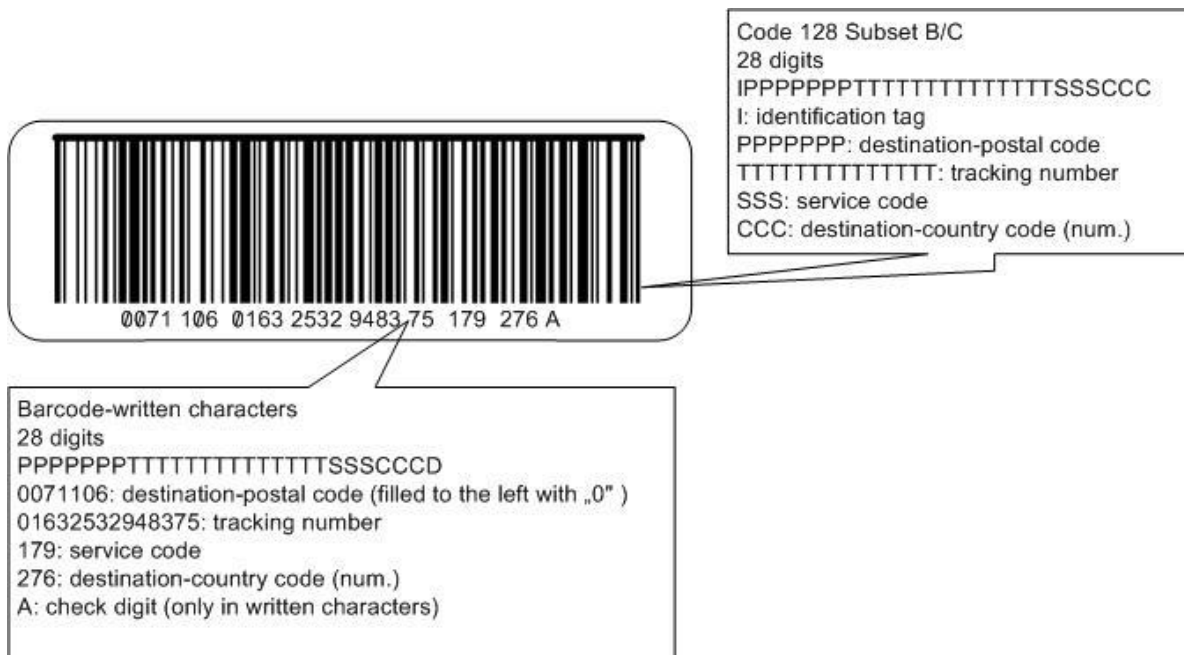
The label origin is used to identify where it comes from and consists of the following:

- date/time of parcel label production
- version number of the routing database
- mark of origin
- software used to produce the parcel label

## 4.6 The Code 128 barcode field

The barcode field contains Barcode Code 128, which provides unique identification of the parcel, and the barcode plain text.

For details of the size of the barcode field please see the table in Chapter 4.1: Field contents.



## 4.6.1 The DPD barcode Code 128

### 4.6.1.1 Barcode contents

The DPD barcode consists of 28 characters with the following contents:

(I)PPPPPPPTTTTTTTTTTTTTSSSCCC

Character	:	Description (only in barcode)	Data type*	Length
I	:	Identification tag	A	1
P	:	Destination post code	A	7
T	:	Tracking number	A N	4 10
S	:	Service code	N	3
C	:	Destination country code	N	3

The identification tag (barcode ID) is contained in the routing database (table ROUTES, field "BarcodeID") and must be taken from there. The 14 digit tracking number provides unique identification of each parcel.

#### 4.6.1.2 Barcode specifications

In the DPD system, parcels sometimes have to be identified at high speeds in fully automatic sorting systems. This is only possible if the bar-coded information print quality is good and the following specifications are met:

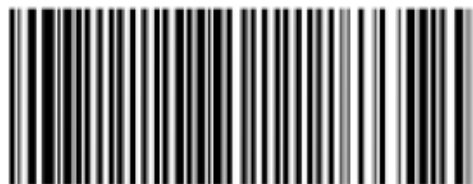
<b>Barcode type</b>	Code 128 (B/C subset)
<b>Modulus width (x dimension):</b>	X: 375µm
<b>Print Contrast Signal</b>	PCS ≥ 90%
<b>Reflection factor of the white background</b>	$R_w \geq 75\%$
<b>Reflection factor of the bars</b>	$R_b \leq 10\%$
<b>Symbol Contrast</b>	SC ≥ 65%
<b>White region without bars on both sides</b>	$s_{min} \geq 5 \text{ mm}$ White regions without bars running at an angle of 45°
<b>Code coloring</b>	dull black - opaque
<b>Barcode height</b>	$h \geq 25\text{mm}$
<b>Barcode placement for thermoprinting</b>	90° in relation to the thermo rail

Above the barcode the DPD barcode contains a horizontal bar which is not part of Code 128. This bar is required in order to identify faulty elements in the case of label printers (thermal transfer process). In order to identify the printing problem (white line on bar) as quickly as possible, a bar width of 500 µm across the length of the entire barcode is recommended.

The scan reflection profile (SRP) of the barcode should be based on ISO/IEC 15416 quality check Class 4 (A), but must at least meet Class 3 (B).

#### 4.6.1.3 Barcode Code 128

The DPD parcel label barcode type is 128.



Code 128 is a variable length, alphanumeric code with high packing density. Three different character sets (A, B and C) make it possible to change the character set within the barcode symbol. DPD requires the character set C for the numerical barcode portion. The character set B is used for the alphanumeric portion.

Character set	Description
<b>Code 128 A</b>	The first character set encodes all capital letters and ASCII control characters.
<b>Code 128 B</b>	The second character set encodes all capital letters.
<b>Code 128 C</b>	The third character set encodes the numerical pairs 00 to 99.

#### 4.6.1.4 Check digit calculation

Check digits are necessary for the plain writing of

- 28-digit barcode contents (without the identification mark)
- 14-digit tracking number (e.g. for standard parcel labels).

Check digit calculation method:

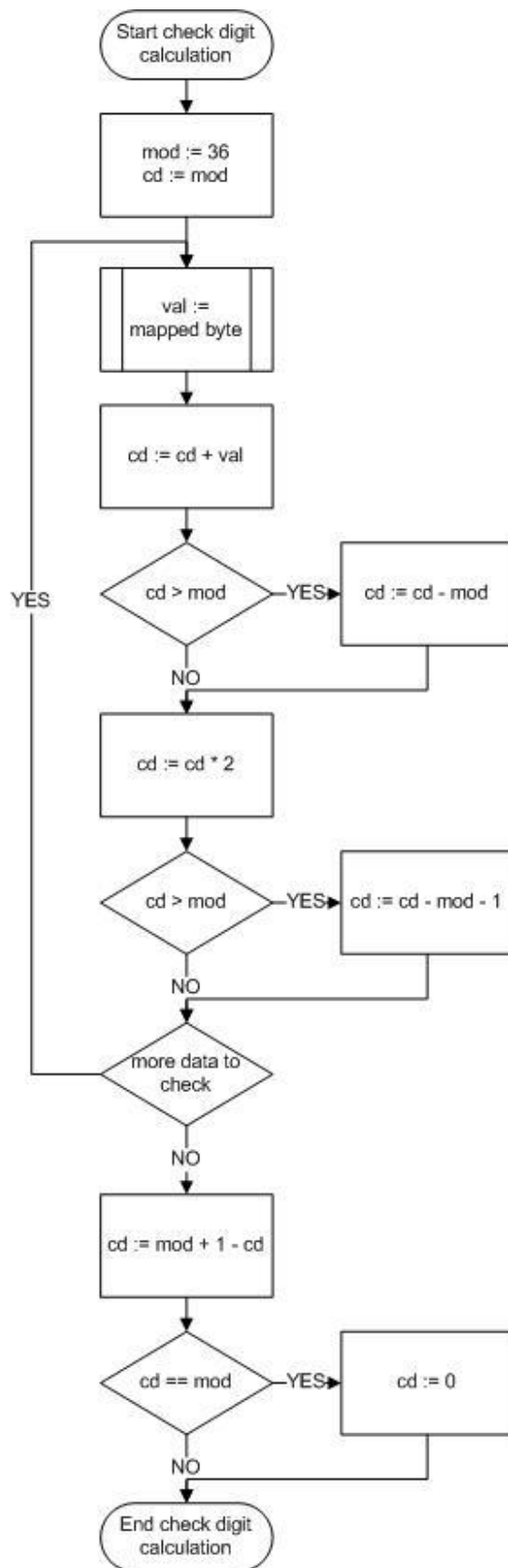
Check digits are created according to the ISO/IES 7064 mod. 37/36 standard. The following table contains the values which the algorithm uses for each alphanumeric character to calculate the check digit.

Char	Value	Char	Value	Char	Value
0	0	A	10	N	23
1	1	B	11	O	24
2	2	C	12	P	25
3	3	D	13	Q	26
4	4	E	14	R	27
5	5	F	15	S	28
6	6	G	16	T	29
7	7	H	17	U	30
8	8	I	18	V	31
9	9	J	19	W	32
		K	20	X	33
		L	21	Y	34
		M	22	Z	35

For each character contained in the barcode the following algorithm has to be applied to finally yield the check digit.

Please consider the following notes:

- $\text{mod}=36$
- $\text{cd}$  = is equivalent to  $\text{mod}$  at the beginning and will be modified according to the subsequent calculation
- $\text{val}$ = value of the character to be calculated (e.g. the character M has the value 22 in the check digit calculation algorithm)
- at the end the result must be converted to the corresponding character



The calculation is done like this:

For each character:

- to cd add val
- if cd is greater than mod, then mod is subtracted from cd
- cd is multiplied by 2
- if cd is greater than mod, (mod+1) is subtracted from cd

When all characters are processed:

- cd is subtracted from (mod+1) and assigned as cd
- if cd is equal to mod then 0 (zero) is assigned as cd
- the value of cd is translated into the corresponding character as in the table above

-> the calculation of cd is completed.

**Example 1:**

String: 123AB

**Initializing:**

mod = 36

cd = 36

Zeichen	val	cd = cd + val	? cd > mod cd = cd - mod	cd = cd * 2	? cd > mod cd = cd - (mod+1)	cd
1	1	36 + 1 = 37	37 - 36 = 1	1 * 2 = 2		2
2	2	2 + 2 = 4		4 * 2 = 8		8
3	3	8 + 3 = 11		11 * 2 = 22		22
A	10	22 + 10 = 32		32 * 2 = 64	64 - (36 + 1) = 27	27
B	11	27 + 11 = 38	38 - 36 = 2	2 * 2 = 4		4

**Closure:**

cd = (mod + 1) - cd → (36+1) - 4 = 33

? cd = mod → (nein)

**cd = 33** → equals 'X'

**Example 2:**

String: ABC987

**Initializing:**

mod = 36

cd = 36



Zeichen	val	cd = cd + val	? cd > mod cd = cd - mod	cd = cd * 2	? cd > mod cd = cd - (mod+1)	cd
A	10	36 + 10 = 46	46 - 36 = 10	10 * 2 = 20		20
B	11	20 + 11 = 31		31 * 2 = 62	62 - 37 = 25	25
C	12	25 + 12 = 37	37 - 36 = 1	1 * 2 = 2		2
9	9	2 + 9 = 11		11 * 2 = 22		22
8	8	22 + 8 = 30		30 * 2 = 60	60 - 37 = 23	23
7	7	23 + 7 = 30		30 * 2 = 60	60 - 37 = 23	23

**Closure:**

cd = (mod + 1) - cd → (37) - 23 = 14

? cd = mod → (nein)

**cd = 14 → equals 'E'**

Implementation of the algorithm in C:

```

/*
Document ISO/IEC 7064:2003
Algorithm: hybrid system recursive
as described in chapter 10.1.1
Naming of variables and algorithm is related to the document for easier understanding

ISO/IEC 7064, MOD 37,36

param s String to generate check character for
return check character
       or -1 if character exceeds ascii2isoval table

       Author: Marc Sierszen, Peter Liebel
       DELICom DPD GmbH
*/
char get_iso7064_mod37_36(char *s)
{
    int i;
    int P=0;
    int M, M1; /* Modulus */

    /* table convert ASCII character to ISO/IEC 7064 values */
    char ascii2isoval[] = {
        0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
        0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
        0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,
        0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 0, 0, 0, 0, 0, 0,
        0, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24,

```

```

    25,26,27,28,29,30,31,32,33,34,35,0, 0, 0, 0, 0,
    0,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24, /* handle lower characters like
upper characters */
    25,26,27,28,29,30,31,32,33,34,35};

/* table convert ISO/IEC 7064 values to ASCII character */
char isoval2ascii[] = {
    '0', '1', '2', '3', '4', '5', '6', '7', '8', '9',
    'A', 'B', 'C', 'D', 'E', 'F', 'G', 'H', 'I', 'J',
    'K', 'L', 'M', 'N', 'O', 'P', 'Q', 'R', 'S', 'T',
    'U', 'V', 'W', 'X', 'Y', 'Z', '*'};

/* check if alphabetic character is within limits */
for(i=0;s[i];i++)
    if ((s[i] < 0) || (sizeof(ascii2isoval) <= s[i]))
        return -1;

M = 36;
M1 = M+1;
P = M;
for(i=0;s[i];i++)
{
    P += ascii2isoval[s[i]];
    if (P > M) P -= M;
    P *= 2;
    if (P >= M1) P -= M1;
}
P = M1 - P;

return (P == M) ? isoval2ascii[0] : isoval2ascii[P];
}

```

## 4.6.2 Barcode plain text

The barcode plain text below the barcode has the following format and contents:

<b>Format:</b>	PPPP PPP TTTT TTTT TTTT TT SSS CCC D
<b>Contents:</b>	<p>P = destination postcode (to be filled with zeros from the left)</p> <p>T = tracking number</p> <p>S = service code</p> <p>C = destination country code</p> <p>D = check digit</p>

# 5 Transfer of information from customer to DPD

## 5.1 Shipment data

The DPD system provides a comprehensive spectrum of services relating to parcel shipping. In order to ensure the quality of the services it is absolutely essential that in addition to the information on the parcel label, customers make advance shipment data available.

The shipment information for all products and services is consolidated in the shipment data interface MPSEXPDATA, which the customer receives from the depot which is responsible for him.

The following illustration defines the relationship between the information on the parcel label and the contents of MPSEXPDATA.

Text CO <sub>2</sub> -neutraler Versand oder Schadensmitteilung		DPD-Logo
<b>Empfänger/Consignee</b> RNAME1 (MPSEXPDATA) RNAME2 (MPSEXPDATA) RCONTACT (MPSEXPDATA) RSTREET/RHOUSENO (MPSEXPDATA) Zusatzinfo RPHONE (MPSEXPDATA) RCOUNTRYN/RPOSTAL/RCITY (MPSEXPDATA)		<b>Abender/Sender</b> SNAME1 (MPSEXPDATA) SNAME2 (MPSEXPDATA) SSTREET/SHOUSENO (MPSEXPDATA) SCOUNTY/RN/SPPOSTAL/CITY (MPSEXPDATA) SPHONE (MPSEXPDATA)
<b>Referenz 1:</b> CREF1 (MPSEXPDATA)		
<b>Referenz 2:</b> CREF2 (MPSEXPDATA)		
*3	*4	
*5		
ServiceFieldInfo (Tabelle SERVICEINFO der Routendatenbank)		
<b>0998 0000 0200 84u</b> Track		<b>D-COD</b> Service
<b>CZ- 1381</b> 109-CZ-19900		<b>A126</b>
		
0019 900 0998 0000 0200 84 109 203 1		

- \*1) Forfl. Paket-Nr / MPSCOUNT (MPSEXPDATA)
- \*2) WEIGHT (MPSEXPDATA)
- \*3) NN-Betrag: NCURR/NAMOUNT (MPSEXPDATA)  
 Inkasso-Art: NINKASSO (MPSEXPDATA)  
 Verw.-zweck: NPURPOSE (MPSEXPDATA)
- \*4) PARCELTYPE (MPSEXPDATA)  
 CCURRENCY/CAMOUNT (MPSEXPDATA)  
 VOLUME (MPSEXPDATA)
- \*5) Abteilungsbelieferung:  
 PERSBUILDING (MPSEXPDATA),  
 PERSFLOOR (MPSEXPDATA),  
 PERSDEPARTMENT (MPSEXPDATA)

In addition to the MPSEXPDATA format the HAZDATA format, which the customer receives from the depot which is responsible for him, is also required for hazardous goods.

Your depot will provide you with detailed information about the shipment data interface MPSEXPDATA and the hazardous goods interface HAZDATA for the transmission of data to DPD.

Alternatively to DPD interfaces, the customer's own formats can be transmitted to DPD via DPD Converter – here, too, your depot will provide you with further details.

## 5.2 Transfer list

The depot receives a so-called self-booking list containing all relevant data for the shipped parcels:

- Tracking number
- Recipient (complete address)
- Weight
- Shipping type
- Advance information for services (e.g. for COD currency, collection type, amount) if applicable

**Customer address**  
Max Mustermann GmbH  
Max Mustermann  
Musterstrasse 26  
DE-12345 Musterstadt

**Depot address**  
DELICom DPD GmbH & Co. KG

Wailandtstr. 1  
DE-63741 Aschaffenburg

**Shipment List: General List No. 2**  
Customer nr.: 01234567892\_000

Date : 19.01.2010 16:25:34  
Number of parcels: 32



DELISprint Version 5.6.2  
Routing version : 20080101

No.	Parcel No.	Type of shipment	Company and Name	Address	Zip code	Town	Referenz 1:	Weight (kg) ND
1	09980000000000	NP	Spedition Kaiser GmbH & Co. KG Heinz	Musterweg 55	DE-74078	Musterort	KDNR: 101	3,500
2	09980000000000	NP	Luftfracht GmbH & Co. KG Hans Gut	Muster Str. 87	DE-65479	Musterort	KDNR: 107	0,000
3	09980000000000	NP	Wilhelm Schulze	Musterstrasse 2	DE-47447	Musterstadt	KDNR: 110	0,000
4	09980000000000	NP	Schaller Transport GmbH Anita und Mulhard	Muster Straße 20	DE-95182	Musterland	KDNR: 111	0,000
5	09980000000000	NP	TestFirma AG, Manfred Kirsch	Muster Str. 64	AT-1069	Musterort	KDNR: 112	0,000
6	09980000000000	NP	Maschinenbau CHG, Herr Kramer	Dieselstr. 43c	DE-63741	Musterort	KDNR: 114	10,000
7	09980000000000	NP	FIRMA NAME, Z.H.	ADRESSE_1/ADRESSE_2	DE-12345	ORT	REFERENZ_1	7,500
8	09980000000000	NP	COMPANY NAME, A.O.	ADDRESS_1/ADDRESS_2	DE-12345	CITY	REFERENCE_1	7,500
9	09980000000000	NP	Richware house, Eric Smith	1319 East bourbon street	US-TX	Haringen	KDNR: 129	10,000
10	09980000000000	NP,E18	TestFirma AG, Manfred Kirsch	Muster Str. 64	AT-1069	Musterort	KDNR: 113	9,000 X
11	09980000000000	NP,E18	TestFirma AG, Kirsch	Muster Str. 64	DE-95182	Musterort	KDNR: 119	12,000 X
12	09980000000000	NP,E18	TestFirma AG, Kirsch	Muster Str. 64	DE-95182	Musterort	KDNR: 119	12,000 X
13	09980000000000	NP,E12,ID	LKW Fracht GmbH & Co. KG, Frau Köhler	Muster Str. 66	DE-65479	Musterort	KDNR: 109	1,500 X
14	09980000000000	NP,E12,ID	LKW Fracht GmbH & Co. KG, Frau Köhler	Muster Str. 66	DE-65479	Musterort	KDNR: 109	1,500 X
15	09980000000000	NP,E12,ID	LKW Fracht GmbH & Co. KG, Frau Köhler	Muster Str. 66	DE-65479	Musterort	KDNR: 109	1,500 X
16	09980000000000	NP,E12,ID	LKW Fracht GmbH & Co. KG, Frau Köhler	Muster Str. 66	DE-65479	Musterort	KDNR: 109	1,500 X
17	09980000000000	NP,E12,ID	LKW Fracht GmbH & Co. KG, Frau Köhler	Muster Str. 66	DE-65479	Musterort	KDNR: 109	1,500 X
18	09980000000000	NP,E10,HIN	Luftfracht GmbH & Co. KG Geschäftsleitung	Muster Strasse 64	DE-65479	Musterort	KDNR: 104	19,000 X
19	09980000000000	NP,E10,HIN	Luftfracht GmbH & Co. KG Geschäftsleitung	Muster Strasse 64	DE-65479	Musterort	KDNR: 104	14,500 X
20	09980000000000	NP,E10,HIN	Luftfracht GmbH & Co. KG Geschäftsleitung	Muster Strasse 64	DE-65479	Musterort	KDNR: 104	2,000 X
21	09980000000000	NP,E10	Luftfracht GmbH & Co. KG, Heiner Schuster	Muster Str. 55	DE-65479	Musterort	KDNR: 108	0,000 X
22	09980000000000	NP,UN	Schaller Transport GmbH Anita u. Mulhard	Muster Straße 20	DE-95182	Musterland	KDNR: 118	0,000
23	09980000000000	NP,NN	Eisenhandel Schmidt, Frau Schraube	Handelstrasse 34	DE-36037	Musterstadt	KDNR: 115	0,000
24	09980000000000	NP,NN	Wilhelm Schulze	Musterstrasse 2	DE-47447	Musterstadt	KDNR: 117	19,000
25	09980000000000	NP,AS	Honold GmbH & Co. KG, Manfred Schubert	Musterstrasse 5-7	DE-89231	Musterland	KDNR: 123	15,000
26	09980000000000	KP	Schiffer GmbH, Klaus Meier	Muster Str. 18a	DE-48163	Musterstadt	KDNR: 102	3,000
27	09980000000000	KP	Stückgut AG, Herr Möller	Mustergasse 5-7	DE-89231	Musterland	KDNR: 103	2,700
28	09980000000000	KP	Meyer OHG, Meyer	Lindereir. 99	BE-1000	Brüssel	KDNR: 124	2,789
29	09980000000000	KP	merchandise trade Paul Green	South Broad Street 20	US-PA	Philadelphia	KDNR: 128	3,000
30	09980000000000	KP	merchandise trade Paul Green	South Broad Street 20	US-PA	Philadelphia	KDNR: 128	3,000

Data transfer : Successfully

Please hand over this list to your DPD depot

Page 1/2

**Customer address**  
Max Mustermann GmbH  
Max Mustermann  
Musterstrasse 26  
DE-12345 Musterstadt

**Depot address**  
DELICom DPD GmbH & Co. KG  
  
Wailandlstr. 1  
DE-63741 Aschaffenburg

**Shipment List: General List No. 2**  
Customer nr.: 01234567892\_000  
  
Date : 19.01.2010 16:25:34  
Number of parcels: 32



DELISprint Version 5.6.2  
Routing version : 20080101

No.	Parcel No.	Type of shipment	Company and Name	Address	Zip code	Town	Referenz I:	Weight (kg) ND
31	09980000000000	KP	merchandise trade,Paul Green	South Broad Street 20	US-PA	Philadelphia	KDNR: 128	3.000
32	09980000000000	PL	Transport GmbH & Co. KG, Herr Kirsch	Muster Str. 64	DE-65479	Musterort	KDNR: 116	0.800

Signature \_\_\_\_\_

Data transfer : Successfully

Please hand over this list to your DPD depot

Page 2/2

The version of the routing data base must be printed on the transfer list (own booking list)!

# 6 Quality requirements on shipping system producer

## 6.1 Correct routing

### 6.1.1 The routing database

Three times a year a new routes database is provided in order to be able to map modified relations in the DPD system.

This database is the heart of the parcel routing. It is therefore necessary that all customers use the current routes database to avoid incorrect routings and thus delayed parcel deliveries.

To meet the high quality expectations of our customers, we must ensure that our customers will have the current routes database version on the first Monday of January, May and September, respectively.

In order to obtain the routing database please contact the depot which is responsible for you.

### 6.1.2 The relabel parcel label

If the customer has not imported a current routing database for the new tertial but nevertheless would like to ship parcels, then a so-called Relabel-parcel label must be generated. This Relabel-parcel label does not contain an identification tag in the barcode, thus only 27 digits. This is the trigger for our Scansoftware to produce a new routing label with correct routing information. On the Relabel-parcel label no routing information may be printed. Instead the lettering "! RELABEL !" should appear. In addition the barcode should only be half as high as a normal barcode.

<b>Responsible delivery – CO<sub>2</sub> neutral</b>		
Empfänger/Consignee <b>Schneider GmbH</b> <b>Dispositionsabteilung</b>  <b>Neue Straße 78</b> <b>Halle C, Block 1</b>  <b>DE-71106 Aschaffenburg-Unterafferbach</b>		Depot 0163 DPD GeoPost (Deutschland) GmbH Auftragsnr. 25 DE-63741 Aschaffenburg Tel: +49 (0) 80 21 - 4 43 94-0
Referenz 1: <b>Herbstaktion 303</b>  Referenz 2: <b>Order 303-1008675SF</b>		Absender/Sender Verpackungsdeen Inh. A. Müller Würzburger Straße 789 DE-63742 Aschaffenburg (Schweinfurt) Telefon 0049 (0) 80 21 - 35 89-0
Lieferung/Shipment <b>1 / 1</b>  Gewicht/Weight <b>14,90 kg</b>		
<b>0163 2532 9483 752</b> <span style="float: right;"><b>D</b></span> Track <span style="float: right;">Service</span> <h1 style="text-align: center;">! RELABEL !</h1> <p style="text-align: center;">101 – DE - 71106</p> <p style="text-align: center; font-size: small;">84/87/85 18 56 87/85 8163/99 DELISprint V4.5</p>  <p style="text-align: center; font-size: small;">0071 106 0163 2532 9483 75 101 276 0</p>		

## 6.2 Printing methods

Basically all printing methods which meet the barcode print quality according to chapter 4.1.4. Barcode specification can be used. We recommend using one of the following methods:

- Thermo direct printing
- Thermo transfer printing
- Laser printing
- Ion printing
- Magnetic printing

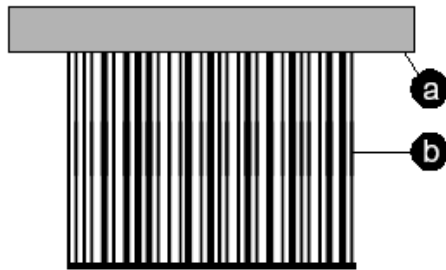
Due to its insufficient barcode print quality, matrix printing must not be used!

Ink printing is only acceptable if the requirements described in chapter 6.2.2. Ink printing are met.

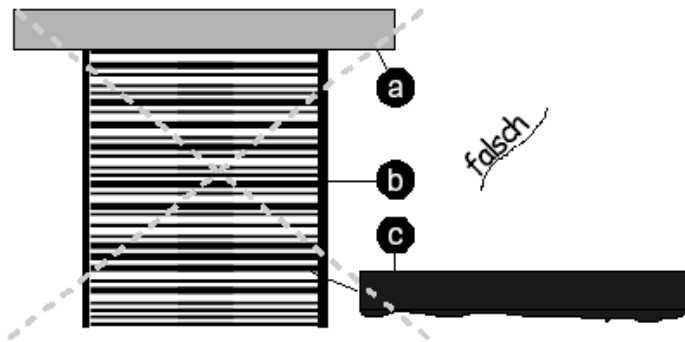


## 6.2.1 Thermoprinting

When using thermoprinting, make sure that the barcode is printed 90° in relation to the thermo rail, otherwise the print quality will suffer.



Correct thermoprinting arrangement



Incorrect thermoprinting arrangement

- a** Thermo rail
- b** Barcode
- c** Magnified component

As depicted in the previous figure, the print will be blurred if the barcode is printed the wrong way. When using thermo direct printing or thermo transfer printing it is therefore necessary to print the barcode as depicted in the "Correct thermoprinting arrangement" figure.

## 6.2.2 Ink printing

Since ink print is not very weathering resistant and its quality depends largely on the base material used, the following points have to be considered:

- Always print on high-quality ink jet paper. Low-quality paper absorbs the ink resulting in a fuzzy print pattern which does not meet the barcode specifications.
- Cover the parcel labels with protective film or use transparent protective covering when attaching the parcel label. The protective film or covering has to be submitted for approval together with the parcel labels, because it affects barcode readability.

# 7 The approval procedure for customer printing

Printing bar-coded information may result in shipping delays if done incorrectly. This may ultimately affect the entire DPD system. If no preprinted DPD parcel labels are used, it is therefore necessary for the DELICom DPD GmbH to approve the printed parcel labels at least 2 weeks prior to the intended channeling in of the parcels. Please contact your appropriate DPD depot to arrange for the approval of your parcel labels.

It is possible to utilise a so-called "Simplified parcel label approval procedure".

Software vendors can submit test labels for all DPD products and services (the relevant printer type must be provided). These labels will be verified and approved (provided that their quality conforms to the specification). This approval then applies to all parcel labels created with this software and the relevant printers. Individual customer label tests at a central location in Aschaffenburg are therefore not necessary. Making sure that the customers supply their parcels with correct labels to the DPD system thus becomes the responsibility of the dispatch depot.

The "simplified procedure" can only be utilised by self-printing customers that have a software solution provider who participates in the "simplified procedure". A list containing the participating vendors, the corresponding software versions and approved printers can be obtained from your dispatch depot.

The "simplified procedure" cannot be utilised by self-printing customers who have (due to their particular requirements) customer-specific parcel label printing solutions in place. The approval procedure described in this chapter applies to these customers.

## 7.1 Development process

During the development of customer-side parcel label printing the customer and the appropriate depot must cooperate closely. During this process the customer requirements and the DPD system requirements have to be matched.

Once this has been achieved, the developed print samples which have been pre-examined by the appropriate depot will be submitted to DELICom DPD GmbH which will examine especially the layout and the barcode quality and approve the customer's layout if appropriate.

## 7.2 Customer printing approval

For customers who use a software solution that participates in the „Simplified Procedure", the approval is omitted.

Customers who use a customer specific parcel label printing solution must submit parcel labels for a regular approval. It is therefore necessary to have DELICom DPD GmbH approve each parcel label printing at least **2 weeks** prior to the first shipping day.

To do this, the DPD depots submit parcel label samples on original base material (labels) to DELICom thus initiating the approval procedure.

- Five parcel labels printed using the customer's printer have to be submitted. The tracking numbers should be continuous to avoid duplicate numbers. For each service the customer wants to use, an additional five parcel labels have to be submitted.
- If the customer ships parcels internationally there must be at least two parcel labels with service code 101 and the route to France, one with the consignee postcode 67000 and one with 75018.
- The parcel labels will be examined within five working days and the appropriate depot will be informed about any necessary modifications.
- Often the modifications are software-specific, i.e. text fields have to be moved and the layout definition needs to be changed. However, it may also be necessary to change the barcode (incorrect barcode type used, incorrect check digit calculation, etc.). Depending on how much time it takes for the customer to implement the modifications, the process of submitting and examining parcel labels may involve several repetitions.
- Once the parcel labels have been accepted, the appropriate depot will receive a "provisional approval" for the customer via email. From then on the customer is allowed to use these parcel labels within the DPD system.
- The written approval will be sent to the depot the following month.

Please note that each self-printing customer must be approved individually. The parcel label approval procedure thus belongs to the quality-relevant measures and will be checked in a DPD-internal audit.

## 7.3 Minimum requirements for the approval samples for customer-side parcel label printing

The application for the proper approval of the customer-side parcel label printing process will be submitted by the appropriate depot once the customer installation is complete.

The following points are "minimal requirements" for the parcel labels created by the customer and are therefore absolutely necessary. The samples must have a tracking number from the currently assigned number circle.

- Correct parcel label number circle
- Current DPD routes database for determining the DPD destination information
- Damage notification in the language of the source country and in English: "Damage not recognizable on the outside has to be reported in writing to DPD within 7 days after delivery."
- Physical recipient address (no P.O. box)
- Physical sender address (no P.O. box)
- Original parcel label on base material (no copy)
- If film is used to cover the parcel label, it has to be included as well
- If the parcel labels are glued, glued samples have to be included to be able to assess the barcode quality.
- DPD logo

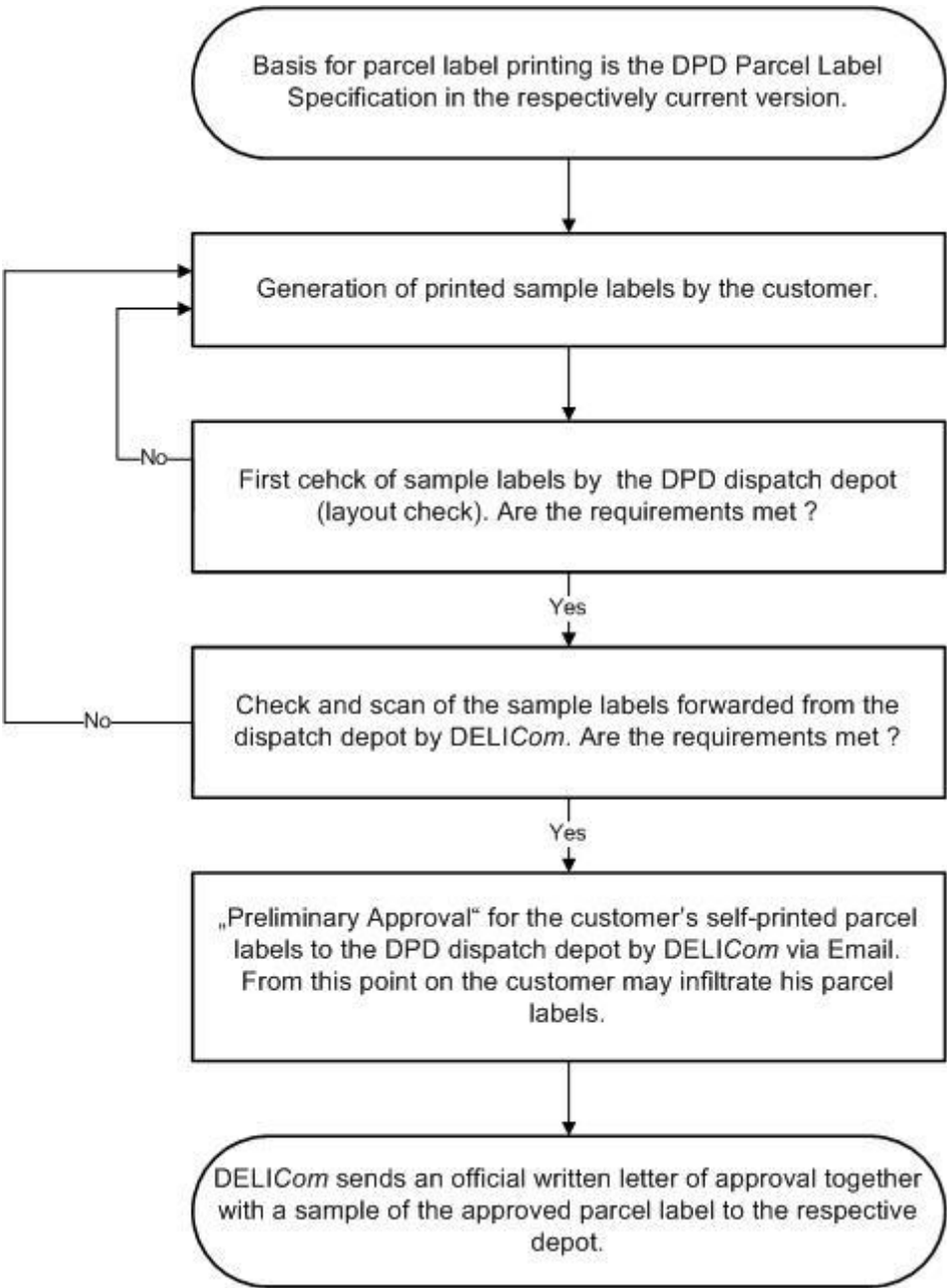
The fact that the appropriate depot is able to scan the parcel labels successfully does not mean that the parcel labels are 100% OK! Since many different barcode reading devices (scan pens, hand scanners, overhead scanners, omnidirectional scanners, etc.) are used in the DPD system, the minimal requirements can only be ensured if the parcel labels meet the requirements of the DPD parcel label specification, if they pass the test under laboratory conditions and if this is certified by DELICom.

## 7.4 Summary

Only parcel labels which meet the requirements of this specification may be approved. DELICom DPD GmbH may revoke approvals if major quality failures exist.

The required quality levels can be achieved much more quickly if one of the available "shipping systems" is used. If one of these shipping systems is used, the approval can usually be granted once the necessary print samples have been submitted.

The following diagram shows the approval procedure for the customer-side parcel printing process:



# 8 Parcel labels for various services

This chapter describes the parcel label variations for the different services (standard parcel label).

For information about the letter sizes in the service field please see the table in Chapter 4.1: Field contents.


DPD CLASSIC parcel label with damage notification





<small>Äußerlich nicht erkennbare Schäden müssen DPD innerhalb 7 Tage nach Ablieferung schriftlich gemeldet werden / Notification on damage is not recognisable from the outside has to be submitted to DPD within 7 days in writing.</small>		
<b>Empfänger/Consignee</b> <b>Schmitt &amp; Schneider GmbH</b> <b>Versandservice</b> <b>Herrn Wolfgang Schneider</b> <b>Wasserburger Landstraße 678</b>  <b>Telefon 0049 89 9222 3699</b> <b>DE-81827 München (Trudering-Riem)</b>		<small>Depot 0163</small> <small>DPD Geopost (Deutschland) GmbH</small> <small>Außenstraße 25</small> <small>DE-63741 Aschaffenburg</small> <small>Tel. +49 (0) 80 21 - 4 43 94-0</small>  <small>Absender/Sender</small> <small>Verpackungsdienst</small> <small>Hrn. A. Müller</small> <small>Wasserburger Straße 789</small> <small>DE-63742 Aschaffenburg (Schweinheim)</small> <small>Telefon 0049 (0) 80 21 - 35 89-0</small>
<small>Referenz 1:</small> <b>Herbstaktion 303</b>  <small>Referenz 2:</small> <b>Order 303-1008675SF</b>	<small>Lieferung/Shipment</small> <b>1 / 1</b>  <small>Gewicht/Weight</small> <b>6,90 kg</b>	
<b>0998 0000 0200 28<sub>9</sub></b> <small>Track</small>		<b>D</b> <small>Service</small>
<b>DE-0180</b> 101-DE-81827 <small>19.12.12 14:32 DELISprint 6.0.3.0 R20120903 WIN</small>		<b>45</b>
		
0081 827 0998 0000 0200 28 101 276 B		

## 8.1 Small parcel

Parcels weighing less than 3kg and having a length of no more than 50cm and a girth of no more than 111cm are called small parcels in the DPD system.

For customers who print their parcel labels themselves the following information must be printed on the parcel label:

-  marking acc. to specification in the routing data base (table SERVICE, field "ServiceMark") before the destination text

<small>Äußerlich nicht erkennbare Schäden müssen DPD innerhalb 7 Tage nach Ablieferung schriftlich gemeldet werden / Notification on damage is not recognisable from the outside has to be submitted to DPD within 7 days in writing.</small>			
<b>Empfänger/Consignee</b> <b>Schmitt &amp; Schneider GmbH</b> <b>Versandservice</b> <b>Herrn Wolfgang Schneider</b> <b>Wasserburger Landstraße 678</b>  <b>Telefon 0049 89 9222 3699</b> <b>DE-81827 München (Trudering-Riem)</b>		<small>Depot 0163  DPD Geopost (Deutschland) GmbH  Apostrafste 25  DE-63741 Aschaffenburg  Tel. +49 (0) 80 21 - 4 43 94 0  Absender/Sender  Verpackungsideen  Hrn. A. Müller  Wasserburger Straße 789  DE-63742 Aschaffenburg (Schweinheim)  Telefon 0049 (0) 80 21 - 35 89-0</small>	
Referenz 1: <b>Herbstaktion 303</b>	Lieferung/Shipment <b>1 / 1</b>		
Referenz 2: <b>Order 303-1008675SF</b>	Gewicht/Weight <b>2,90 kg</b>		
<b>0998 0000 0200 29<sub>7</sub></b> Track		<b>D</b> Service	
		<b>DE-0180</b> 136-DE-81827	
		<b>45</b>	
<small>19.12.12 14:48 DEUSprint 8.0.3.0 R20120903 WIN</small>			
			
<b>0081 827 0998 0000 0200 29 136 276 3</b>			

## 8.2 Ex works

For customers who print their parcel labels themselves the following information must be printed on the parcel label:

- "ex works" marking acc. to specification in the routing data base (table SERVICEINFO, field "ServiceFieldInfo") in the service field

<b>Responsible delivery – CO<sub>2</sub> neutral</b>		
<b>Empfänger/Consignee</b> <b>Schmitt &amp; Schneider GmbH</b> <b>Versandservice</b> <b>Herrn Wolfgang Schneider</b> <b>Wasserburger Landstraße 678</b>  <b>Telefon 0049 89 9222 3699</b> <b>DE-81827 München (Trudering-Riem)</b>		<small>Depot 0163</small> <small>DPD GeoPost (Deutschland) GmbH</small> <small>Auhstraße 25</small> <small>DE-63241 Aschaffenburg</small> <small>DE-63241 Aschaffenburg</small> <small>Tel. +49 (0) 80 21 - 4 43 94-0</small>
<small>Verpackungsideen</small> <small>Absender/Sender</small> <small>Hrn. A. Müller</small> <small>Wurzbürger Straße 789</small> <small>DE-63742 Aschaffenburg (Schweinheim)</small> <small>Telefon 0049 (0) 80 21 - 35 89-0</small>		
<small>Referenz 1:</small> <b>Herbstaktion 303</b>  <small>Referenz 2:</small> <b>Order 303-1008675SF</b>	<small>Lieferung/Shipment</small> <b>1 / 1</b>  <small>Gewicht/Weight</small> <b>6,90 kg</b>	
<b>Unfrei / ex works</b>		
<b>0998 0000 0200 31<sub>J</sub></b> <small>Track</small>		<b>D-EXW</b> <small>Service</small>
<b>DE-0112</b> <b>105-DE-12345</b>		<b>B070</b>
<small>19.12.12 15:09 DELIprint 6.0.3.0 R20120903 WIN</small>		
		
<b>0012 345 0998 0000 0200 31 105 276 L</b>		



## 8.3 DPD PARCEL*Letter*

For customers who print their parcel labels themselves the following information must be printed on the parcel label:



- "DPD PARCEL*Letter*" marking (acc. to specification in the routing data base) in the service field
- $0.05\text{kg} \leq \text{weight} \leq 1\text{kg}$
- „X" acc. to specification in the routing data base (table SERVICE, field "ServiceMark") before the destination text

Responsible delivery – CO <sub>2</sub> neutral		
<b>Empfänger/Consignee</b> <b>Schmitt &amp; Schneider GmbH</b> <b>Versandservice</b> <b>Herrn Wolfgang Schneider</b> <b>Wasserburger Landstraße 678</b>  <b>Telefon 0049 89 9222 3699</b> <b>DE-81827 München (Trudering-Riem)</b>		<small>Depot 0163  DPD Geopost (Deutschland) GmbH  Auhofstraße 25  DE-63741 Aschaffenburg  Tel. +49 (0) 80 21 - 4 43 94-0</small>
<small>Abender/Sender  Verpackungsideen  Hrn. A. Müller  Wasserburger Straße 789  DE-63742 Aschaffenburg (Senftenheim)  Telefon 0049 (0) 80 21 - 36 89-0</small>		
<small>Referenz 1:  <b>Herbstaktion 303</b></small>	<small>Lieferung/Shipment  <b>1 / 1</b></small>	
<small>Referenz 2:  <b>Order 303-1008675SF</b></small>	<small>Gewicht/Weight  <b>0,70 kg</b></small>	
<p><b>DPD PARCEL<i>Letter</i></b></p> <p><b>0998 0000 0200 32<sub>H</sub></b> <b>PARCEL<i>Letter</i></b>  <small>Track</small> <small>Service</small></p> <p><b>X</b> <b>DE-0180</b>  154-DE-81827 <b>45</b></p> <p><small>19.12.12 15:21 DELI@print 6.0.3.0 R20120903 WIN</small></p>  <p><b>0081 827 0998 0000 0200 32 154 276 J</b></p>		

## 8.4 COD

For customers who print their parcel labels themselves the following information must be printed on the parcel label:

- "C.O.D." marking acc. to specification in the routing data base (table SERVICEINFO, field "ServiceFieldInfo") in the service field
- Collection type (CASH or CROSSED CHECK)
- The amount and the currency
- Intended use (optional)

Responsible delivery – CO <sub>2</sub> neutral		dpd	
<b>Empfänger/Consignee</b> <b>Schmitt &amp; Schneider GmbH</b> <b>Versandservice</b> <b>Herrn Wolfgang Schneider</b> <b>Wasserburger Landstraße 678</b>  <b>Telefon 0049 89 9222 3699</b> <b>DE-81827 München (Trudering-Riem)</b>		<b>Depot 0163</b> <b>DPD GeoPost (Deutschland) GmbH</b> <b>Aufdriftstraße 25</b> <b>DE-63741 Aschaffenburg</b> <b>Tel. +49 (0) 80 21 -4 43 94-0</b>  <b>Absendersender</b> <b>Verpackungsdienst</b> <b>Hrn. A. Müller</b> <b>Wurzburger Straße 789</b> <b>DE-63742 Aschaffenburg (Schweinheim)</b> <b>Telefon 0049 (0) 80 21 -35 89-0</b>	
<b>Referenz 1:</b> <b>Herbstaktion 303</b>  <b>Referenz 2:</b> <b>Order 303-1008675SF</b>	<b>Lieferung/Shipment</b> <b>1 / 1</b>  <b>Gewicht/Weight</b> <b>6,90 kg</b>		
<b>COD amount: EUR 389,99</b> <b>Collect. type: V-Scheck</b> <b>Purpose: 303-1008675SF</b>			
<b>Nachnahme / C.O.D.</b>			
<b>0998 0000 0200 30<sub>L</sub></b> <small>Track</small>		<b>D-COD</b> <small>Service</small>	
<b>DE-0180</b> <b>109-DE-81827</b>		<b>45</b>	
<small>19.12.12 15:03 DELISprint 6.0.3.0 R20120903 WIN</small>			
			
<b>0081 827 0998 0000 0200 30 109 276 W</b>			

## 8.5 Express and guaranteed services

There are six express and guaranteed services in the DPD system:

- DPD 8:30: guaranteed delivery until 8:30 a.m. on the next working day (domestic)
- DPD 10:00: guaranteed delivery until 10:00 a.m. on the next working day (domestic)
- DPD 12:00: guaranteed delivery until 12:00 a.m. on the next working day (domestic)
- DPD 18:00: domestic parcel with guaranteed delivery until 18:00 hours (the exact designation is country-specific; please refer to your appropriate depot for more information)
- DPD GUARANTEE: guaranteed delivery to defined countries within a time window (cross-border)
- DPD EXPRESS: worldwide express delivery

Please refer to your appropriate DPD depot for more information on the relations for which DPD GUARANTEE and the countries for which DPD EXPRESS is available.

### 8.5.1 DPD 8:30

For customers who print their parcel labels themselves the following information must be printed on the parcel label:

- "DPD 8:30" marking acc. to specification in the routing data base (table SERVICEINFO, field "ServiceFieldInfo") in the service field
- The telephone number of the consignee

**Responsible delivery – CO<sub>2</sub> neutral**



Empfänger/Consignee

**Schmitt & Schneider GmbH  
Versandservice  
Herrn Wolfgang Schneider  
Wasserburger Landstraße 678**

**Telefon 0049 89 9222 3699  
DE-81827 München (Trudering-Riem)**

Depot 0163  
DPD GeoPost (Deutschland) GmbH  
Auhofstraße 25  
DE-63741 Aschaffenburg  
Tel: +49 (0)8021-44394-0  
Absender/Sender  
Verpackungsideen  
Hrn. A. Müller  
Wasserburger Straße 789  
DE-63742 Aschaffenburg (Schweinfeln)  
Telefon 0049 (0)8021-3589-0

Referenz 1:  
**Herbstaktion 303**

Referenz 2:  
**Order 303-1008675SF**

Lieferung/Shipment  
**1 / 1**

Gewicht/Weight  
**6,90 kg**



**DPD 8:30**

**0998 0000 0200 33<sub>F</sub>**  
Track

**AM0**  
Service

**DE-0992**

**350-DE-81827**

19.12.12 15:27 DELISprint 6.0.3.0 R20120903 WIN



0081 827 0998 0000 0200 33 350 276 C

## 8.5.2 DPD 10:00

For customers who print their parcel labels themselves the following information must be printed on the parcel label:

- "DPD 10:00" marking acc. to specification in the routing data base (table SERVICEINFO, field "ServiceFieldInfo") in the service field
- The telephone number of the consignee

<b>Responsible delivery – CO<sub>2</sub> neutral</b>		
<b>Empfänger/Consignee</b> <b>Schmitt &amp; Schneider GmbH</b> <b>Versandservice</b> <b>Herrn Wolfgang Schneider</b> <b>Wasserburger Landstraße 678</b>  <b>Telefon 0049 89 9222 3699</b> <b>DE-81827 München (Trudering-Riem)</b>		<b>Depot 0163</b> <b>DPD GeoPost (Deutschland) GmbH</b> <b>Auhofstraße 25</b> <b>DE-63741 Aschaffenburg</b> <b>Tel. +49 (0) 80 21 - 4 43 94-0</b>  <b>Absender/Sender</b> <b>Verpackungsideen</b> <b>Inn. A. Müller</b> <b>Murzburger Straße 789</b> <b>DE-63742 Aschaffenburg (Schweinheim)</b> <b>Telefon 0049 (0) 80 21 - 35 89-0</b>
<b>Referenz 1:</b> <b>Herbstaktion 303</b>  <b>Referenz 2:</b> <b>Order 303-1008675SF</b>	<b>Lieferung/Shipment</b> <b>1 / 1</b>  <b>Gewicht/Weight</b> <b>6,90 kg</b>	
<b>DPD 10:00</b>		
<b>0998 0000 0200 34<sub>D</sub></b> <small>Track</small>		<b>AM1</b> <small>Service</small>
<b>DE-0180</b> <b>179-DE-81827</b> <small>19.12.12 15:31 DELISprint 6.0.3.0 R20120903 WIN</small>		<b>45</b>
		
<b>0081 827 0998 0000 0200 34 179 276  </b>		

## 8.5.3 DPD 12:00

For customers who print their parcel labels themselves the following information must be printed on the parcel label:




- "DPD 12:00" marking acc. to specification in the routing data base (table SERVICEINFO, field "ServiceFieldInfo") in the service field
- The telephone number of the consignee

Responsible delivery – CO <sub>2</sub> neutral			
<b>Empfänger/Consignee</b> <b>Schmitt &amp; Schneider GmbH</b> <b>Versandservice</b> <b>Herrn Wolfgang Schneider</b> <b>Wasserburger Landstraße 678</b>  <b>Telefon 0049 89 9222 3699</b> <b>DE-81827 München (Trudering-Riem)</b>		<b>Depot 0183</b> <b>DPD GeoPost (Deutschland) GmbH</b> <b>Auftragsnr. 25</b> <b>DE-63741 Aschaffenburg</b> <b>Tel. +49 (0) 90 21 - 4 43 94-0</b>  <b>Absender/Sender</b> <b>Verpackungsideen</b> <b>Hrn. A. Müller</b> <b>Wurzburger Straße 789</b> <b>DE-63742 Aschaffenburg (Schweinhelm)</b> <b>Telefon 0049 (0) 90 21 - 36 89-0</b>	
<b>Referenz 1:</b> <b>Herbstaktion 303</b>  <b>Referenz 2:</b> <b>Order 303-1008675SF</b>	<b>Lieferung/Shipment</b> <b>1 / 1</b>  <b>Gewicht/Weight</b> <b>6,90 kg</b>		
<b>DPD 12:00</b>			
<b>0998 0000 0200 35<sub>B</sub></b> <small>Track</small>		<b>AM2</b> <small>Service</small>	
<b>DE-0180</b> <b>225-DE-81827</b>		<b>45</b>	
<small>19.12.12 15:33 DELISprint 6.0.3.0 R20120903 WIN</small>			
			
<b>0081 827 0998 0000 0200 35 225 276 H</b>			

## 8.5.4 DPD 18:00

For customers who print their parcel labels themselves the following information must be printed on the parcel label:

- "DPD 18:00 / DPD GUARANTEE" marking acc. to specification in the routing data base (table SERVICEINFO, field "ServiceFieldInfo") in the service field
- The telephone number of the consignee

<b>Responsible delivery – CO<sub>2</sub> neutral</b>		
<b>Empfänger/Consignee</b> <b>Schmitt &amp; Schneider GmbH</b> <b>Versandservice</b> <b>Herrn Wolfgang Schneider</b> <b>Wasserburger Landstraße 678</b>  <b>Telefon 0049 89 9222 3699</b> <b>DE-81827 München (Trudering-Riem)</b>		<b>Absender/Sender</b> <b>Verpackungsideen</b> <b>Hrn. A. Müller</b> <b>Wurzburger Straße 789</b> <b>DE-63742 Aschaffenburg (Senftenheim)</b> <b>Telefon 0049 (0) 8021 - 36 89-0</b>
<b>Referenz 1:</b> <b>Herbstaktion 303</b>  <b>Referenz 2:</b> <b>Order 303-1008675SF</b>	<b>Lieferung/Shipment</b> <b>1 / 1</b>  <b>Gewicht/Weight</b> <b>6,90 kg</b>	<b>Depot 0163</b> <b>DPD Geopost (Deutschland) GmbH</b> <b>Außstraße 25</b> <b>DE-63741 Aschaffenburg</b> <b>TEL. +49 (0) 8021 - 4 43 94-0</b>
<b>DPD 18:00 / DPD GUARANTEE</b>		
<b>0998 0000 0200 36<sub>9</sub></b> <small>Track</small>		<b>PM2</b> <small>Service</small>
<b>DE-0180</b> <b>155-DE-81827</b>		<b>45</b>
<small>19.12.12 15:37 DELI:Print 6.0.3.0 R20120903 WIN</small>		
		
<b>0081 827 0998 0000 0200 36 155 276 5</b>		

## 8.5.5 DPD GUARANTEE

For customers who print their parcel labels themselves the following information must be printed on the parcel label:

- "DPD 18:00 / DPD GUARANTEE" marking acc. to specification in the routing data base (table SERVICEINFO, field "ServiceFieldInfo") in the service field
- The telephone number of the consignee

Responsible delivery – CO <sub>2</sub> neutral		
<b>Empfänger/Consignee</b> <b>Schmitt &amp; Schneider GmbH</b> <b>Versandservice</b> <b>Herrn Wolfgang Schneider</b> <b>Egid Walschaertsstraat 222</b>  <b>Telefon 0054 65 9222 3699</b> <b>BE-2800 Mechelen</b>		<small>Depot 0163</small> <small>DPD Geopost (Deutschland) GmbH</small> <small>Auftragsstr. 25</small> <small>DE-63741 Aschaffenburg</small> <small>Tel. +49 (0) 80 21 - 4 43 94-0</small>  <small>Absender/Sender</small> <small>Verpackungsideen</small> <small>Hrn. A. Müller</small> <small>Mühlzburger Str. 789</small> <small>DE-63742 Aschaffenburg (Sachsenheim)</small> <small>Telefon 0049 (0) 80 21 - 36 89-0</small>
<small>Referenz 1:</small> <b>Herbstaktion 303</b>  <small>Referenz 2:</small> <b>Order 303-1008675SF</b>	<small>Lieferung/Shipment</small> <b>1 / 1</b>  <small>Gewicht/Weight</small> <b>6,90 kg</b>	
<p align="center"><b>DPD 18:00 / DPD GUARANTEE</b></p>		
<b>0998 0000 0200 37<sub>7</sub></b> <small>Track</small>		<b>PM2</b> <small>Service</small>
<p align="center"><b>BE-0530</b></p> <p align="center">155-BE-2800</p> <p align="right"><b>3A58</b></p> <small>19.12.12 16:27 DELISprint 6.0.3.0 R20120903 WIN</small>		
		
<p align="center">0002 800 0998 0000 0200 37 155 056 6</p>		



## 8.5.6 DPD EXPRESS

DPD EXPRESS describes the world-wide express delivery for international relations.

For customers who print their parcel labels themselves the following information must be printed on the parcel label for shipment from Germany:

- "DPD EXPRESS" marking acc. to specification in the routing data base (table SERVICEINFO, field "ServiceFieldInfo") in the service field
- Be sure to print the "c/o" field as well.
- The telephone number of the consignee
- The service field must also include the word "DOX" (in the case of a document shipment) or WPX (if it is a shipment of goods). In the case of goods shipments (WPX) the dimensions (LxWxH) of the parcel must also be printed in cm

Example of a goods shipment

<b>Responsible delivery – CO<sub>2</sub> neutral</b>		
Empfänger/Consignee <b>Watson &amp; Sons Ltd.</b> <b>Department of Foreign Affairs</b> <b>Mr. Michael Smith</b> <b>2255 Melrose Blvd.</b>  <b>Phone 001 512 428-6523</b> <b>US-78550 Harlingen Tx.</b>		Depot 0163 DPD GeoPost (Deutschland) GmbH Autostraße 25 DE-53741 Aschaffenburg Tel: +49 (0) 50 21 - 4 43 94-0 Absender/Sender Verpackungsdeen Inh. A. Müller Würzburger Straße 789 DE-53742 Aschaffenburg (Schweinhart) Telefon 0049 (0) 50 21 - 35 89-0
Referenz 1: Order No 888-654675	Lieferung/Shipment <b>1 / 2</b> Gewicht/Weight <b>16,90 kg</b>	
WPX 20x30x40 cm		
<b>DPD EXPRESS</b>		
<b>0998 0000 0200 41<sub>F</sub></b> Track 		
<b>US-0943</b> <b>302-US-78550</b> <small>19.12.12 16:45 DELUSprint 6.0.3.0 R20120903 WIN</small>		
 <b>0078 550 0998 0000 0200 41 302 840 U</b>		

Example for document shipments:

<p><b>Responsible delivery – CO<sub>2</sub> neutral</b> </p>	
<p>Empfänger/Consignee  <b>Watson &amp; Sons Ltd.</b>  <b>Department of Foreign Affairs</b>  <b>Mr. Michael Smith</b>  <b>2255 Melrose Blvd.</b></p> <p>Phone 001 512 428-6523  <b>US-78550 Harlingen Tx.</b></p>	
<p>Referenz 1:  <b>Order No 888-654675</b></p>	
<p>Lieferung/Shipment  <b>1 / 2</b></p> <p>Gewicht/Weight  <b>1,90 kg</b></p>	
<p style="text-align: center;">DOX</p>	
<p><b>DPD EXPRESS</b></p>	
<p><b>0998 0000 0200 41<sub>F</sub></b> <span style="float: right;"><b>IE2</b> Service</span></p> <p><b>E</b> <span style="margin-left: 100px;"><b>US-0943</b></span></p> <p><b>302-US-78550</b></p> <p style="font-size: small; text-align: center;">19.12.12 16:45 DELI/Print 6.0.3.0 R20120903 WIN</p>  <p style="text-align: center;"><b>0078 550 0998 0000 0200 41 302 840 U</b></p>	

## 8.6 Hazardous goods and hazardous goods in limited quantities (LQ)

The shipment of hazardous goods is subject to the GGVS/ADR hazardous goods regulations. Please contact the depot which is responsible for you regarding the shipping options provided by the DPD system for hazardous goods.

The following information is intended as an aid for self-printing customers to enable them to label their shipments correctly and completely according to the DPD system requirements and hazardous goods regulations.

### 8.6.1 Hazardous goods

In accordance with hazardous goods regulations, for hazardous goods parcels the mandatory data of the transport document must appear on the additional hazardous goods label.

The hazardous goods data has to be included on the additional hazardous goods label.

- "UN" + UN number (4 digits)
- Substance name
- ADR class
- Additional hazards
- Classification code
- Packing group
- Weight
- TBC (Tunnel restriction code)
- if appropriate N.A.G.
- if appropriate NEM

The identification as hazardous goods in the DPD system is based on the scan of the corresponding barcode and is a requirement for printing the hazardous goods documents in the system.

To ensure that the so-called hazardous goods transport documents can be created from an IT process in the DPD system, customers provide the required hazardous goods data available in the HAZDATA format (see Chapter 5.1)



In the case of customers who print their own labels, the following labels are required:

Parcel label created by customer, with routing and the following data:

- Printout "GEFAHRGUT/hazardous goods" in accordance with data from the routing database (Table SERVICEINFO, field „ServiceFieldInfo“)in the service field

<b>Responsible delivery – CO<sub>2</sub> neutral</b>		
<b>Empfänger/Consignee</b> <b>Schmitt &amp; Schneider GmbH</b> <b>Versandservice</b> <b>Herrn Wolfgang Schneider</b> <b>Wasserburger Landstraße 678</b>  <b>Telefon 0049 89 9222 3699</b> <b>DE-81827 München (Trudering-Riem)</b>		Depot 0163 DPD GeoPost (Deutschland) GmbH Auftragsnr. 25 DE-63741 Aschaffenburg Tel. +49 (0)80 21-4 43 94 0  Absender/Sender Verpackungsideen Inh. A. Müller Würzburger Straße 789 DE-63742 Aschaffenburg (Schweinfurt) Telefon 0049 (0)80 21-3589-0
Referenz 1: <b>Herbstaktion 303</b>  Referenz 2: <b>Order 303-1008675SF</b>	Lieferung/Shipment <b>1 / 1</b>  Gewicht/Weight <b>6,90 kg</b>	
<b>Gefahrgut / hazardous goods</b>		
<b>0998 0000 0200 42<sub>D</sub></b> Track		<b>D-HAZ</b> Service
<b>DE-0180</b> 102-DE-81827 <small>19.12.12 17:02 DELI/Print 6.0.3.0 R20120903 WIN</small>		<b>45</b>
 <b>0081 827 0998 0000 0200 42 102 276 R</b>		

Additional hazardous goods label:

 efahrgut 	<u>0998 0000020042 D</u>
	UN-Nr.; Stoffbez. (NAG Bezeichnung) ADR-KI.; Nebengefahr; V-Gruppe; TBC; K-Code; Gewicht; NEM
	<b>1</b> 0044; ANZÜNDHÜTCHEN (-) 1;;;E;1.4S;17.00;
	<b>2</b>
<b>3</b>	
<b>4</b>	

In addition to the hazardous goods data which has already been described, the following information has to be printed on the label:

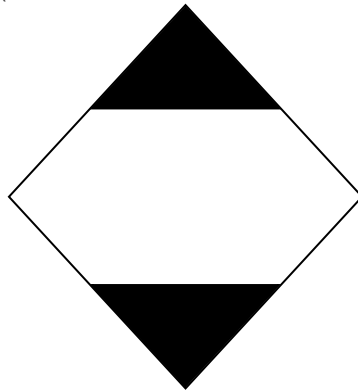
- The words "Hazardous goods" or the abbreviation "G" (type height  $\geq 15\text{mm}$ )
- Parcel label number, incl. check digit
- DPD logo
- Hazardous goods data incl. description line

## 8.6.2 Hazardous goods in limited quantities (LQ)

If hazardous goods are packed according to the limited quantity arrangement, Additional hazardous goods label must not be used.

According to the hazardous goods regulations these packages have to be marked as follows:

Marking of packages (in accordance with: ADR 2011 valid from 01.01.2011):



The marking must be readily visible, legible and able to withstand exposure to the weather without a substantial reduction in effectiveness.

The top and bottom portions and the surrounding line must be black. The centre area must be white or a suitable contrasting background. The minimum dimensions must be 100 mm x 100 mm and the minimum width of line forming the diamond must be 2 mm. If the size of the package so requires, the dimensions can be reduced to a minimum of 50 mm x 50 mm, provided the marking remains clearly visible.

The previous markings in accordance with ADR 2009 (UN number or 'LQ' in diamond shape) can be used during a transitional period up to 30.06.2015.

Markings for identification in the DPD system:

Customers who create their own parcel labels make the necessary LQ information available in the format MPSEXPDATA, subtype PARCEL in the tokens HAZLQ and WEIGHT at the parcel level.

Alternatively an additional LQ label with additional code 05 can be applied to the parcel. For a description on creating this additional code label please see the documentation "DPD specification for additional labels", which is available from the depot responsible for you.


## 8.7 Exchange

Four labels are required for the DPD exchange service. Two are needed for the outbound shipment and two for the return shipment.


### 8.7.1 Outward shipment

For customers who print their own parcel labels the following two labels are required:

- Parcel label created by the customer with routing and the following information
  - Wording "Austausch / exchange" in accordance with information from the routing database (Table SERVICEINFO, Field "ServiceFieldInfo") in the service field

<b>Responsible delivery – CO<sub>2</sub> neutral</b>		
Empfänger/Consignee <b>Schmitt &amp; Schneider GmbH</b> <b>Versandservice</b> <b>Herrn Wolfgang Schneider</b> <b>Wasserburger Landstraße 678</b>  <b>Telefon 0049 89 9222 3699</b> <b>DE-81827 München (Trudering-Riem)</b>		Depot 0163 DPD GeoPost (Deutschland) GmbH Auftragsnr. 25 DE-63741 Aschaffenburg Tel. +49 (0) 8021 - 4 43 94-0  Absendersender Verpackungsdeen Hrn. A. Müller Wasserburger Straße 788 DE-63742 Aschaffenburg (Schweinhelm) Telefon 0049 (0) 8021 - 35 89-0
Referenz 1: Herbstaktion 303	Lieferung/Shipment 1 / 1	
Referenz 2: Order 303-1008675SF	Gewicht/Weight 6,90 kg	
<b>Austausch / exchange</b>		
<b>0998 0000 0200 43<sub>B</sub></b> Track	<b>DE-0180</b> 113-DE-81827	<b>D-SWAP</b> Service
		<b>45</b>
0081 827 0998 0000 0200 43 113 276 Y		

2. Additional exchange label

<h1>MA / 18</h1>		
<h2>Exchange</h2>		
<hr/>		
<h3>Contents/Parcel to be exchanged on delivery!</h3>		
<hr/>		
<b>Exchange failed:</b>		<b>Additional remark:</b>
<input type="checkbox"/> Exchange goods not available today (2nd delivery attempt)	72	
<input type="checkbox"/> Exchange refused (Return)	15	
<input type="checkbox"/> No exchange goods available (Return)	73	



## 8.7.2 Return shipment

Customers who print their own parcel labels require the following two labels:

1. A parcel label created by the customer with a "Relabel" barcode (see Chapter 6.1.2 of the specifications).

Responsible delivery – CO <sub>2</sub> neutral		dpd	
<b>Empfänger/Consignee</b> <b>Verpackungsideen</b> <b>Inh. A. Müller</b>  <b>Würzburger Straße 789</b>  <b>Telefon 0049 89 9222 3699</b> <b>DE-63742 Aschaffenburg (Schweinheim)</b>		<b>Abender/Sender</b> <b>Schmitt &amp; Schneider GmbH</b> <b>Verpackungsservice</b> <b>Wasserburger Landstraße 678</b> <b>DE-81827 München (Trudering-Plan)</b> <b>Telefon 0049 (0) 89 9222 3699</b>	
<b>Referenz 1:</b> <b>Herbstaktion 303</b>  <b>Referenz 2:</b> <b>Order 303-1008675SF</b>		<b>Lieferung/Shipment</b> <b>1 / 1</b>  <b>Gewicht/Weight</b> <b>6,90 kg</b>	<b>Depot 0163</b> <b>DPD GeoPost (Deutschland) GmbH</b> <b>Aulstraße 25</b> <b>DE-63741 Aschaffenburg</b> <b>Tel. +49 (0) 80 21 -4 43 94-0</b>
			
<b>0998 0000 0200 44<sub>g</sub></b> <small>Track</small>		<b>D-BACK</b> <small>Service</small>	
<b>! RELABEL !</b> <b>118-DE-63762</b> <small>20.12.12 08:57 DELISprint 6.0.3.0 R20120903 WIN</small>			
 <b>0063 762 0998 0000 0200 44 118 276 1</b>			

2. Receipt for parcels with following contents:

- parcel label number for return shipment
- consignee address
- consignor address
- date
- signature of collecting driver
- if relevant order number / delivery number
- if relevant address of the returning depot

<b>RECEIPT</b>	
<hr/>	
<b>Parcel label number:</b> 09980000020044	
<hr/>	
<b>Consignee:</b> Verpackungsideen Würzburger Straße 789 DE-63742 Aschaffenburg (Schweinheim)	
<hr/>	
<b>Consignor:</b> Schmitt & Schneider GmbH Wasserburger Landstraße 678 DE-81872 München (Trudering-Riem)	
<hr/>	
<b>Date:</b>  	
<hr/>	
<b>Collector's signature:</b>  	
<hr/>	
<b>Order No./delivery No.:</b>  	
<hr/>	
<b>Returning depot:</b>   	

The exchange service label must then be attached to the outside of the parcel by the parcel recipient after the goods have been exchanged. This has to be done such that the original label is hidden below the new one. The receipt is signed by the DPD driver and remains with the recipient as proof for the goods exchange.

## 8.8 DPD Mail

DPD Mail consists of domestic and international letters, letter-type shipments (e.g. catalogues or printed matter) as well as letter-type shipments which are sent together with things which have no commercial value (e.g. samples or patterns). Shipments must be provided with a suitable cover which protects them during transport.

Customers who print their own parcel labels must ensure that the following information appears on the parcel label:

- The words "DPD Mail" in accordance with the specifications in the routing database (Table SERVICEINFO, Field "ServiceFieldInfo")
- For shipping from Germany the parcel label must contain the following consignee address:  
DPD Mail Depot 0171  
c/o Asendia Germany  
Halle D – Produktion  
Carl-Benz-Straße 17  
DE-71600 Ludwigsburg
- For shipping from Belgium the following consignee address must appear on the parcel label:  
DPD Depot 0530  
International Mail  
Egide Walschaertsstraat 20  
BE-2800 Mechelen

**Responsible delivery – CO<sub>2</sub> neutral**



Empfänger/Consignee

**DPD Mail Depot 0171  
c/o Asendia Germany  
Halle D - Produktion  
Carl-Benz-Straße 17**

Depot 0163  
DPD GeoPost (Deutschland) GmbH  
Autofstraße 25  
DE-63741 Aschaffenburg  
Tel: +49 (0) 60 21 - 4 43 94-0

Absender/Sender  
Verpackungsideen  
Inh. A. Müller  
Mühlburger Straße 789  
DE-63742 Aschaffenburg (Schweinfurt)  
Telefon 0049 (0) 60 21 - 35 89-0

**DE-71600 Ludwigsburg**

Referenz 1:  
**Herbstaktion 303**

Referenz 2:  
**Order 303-1008675SF**

Lieferung/Shipment  
**1 / 1**

Gewicht/Weight  
**6,90 kg**



**DPD Mail**

**0998 0000 0200 50**  
Track

**MAIL**  
Service

**DE-0173**

294-DE-71600



20.12.12 16:57 DEUSprint 6.0.3.0 R20120903 WIN



0071 600 0998 0000 0200 50 294 276 C

## 8.9 B2C

The B2C service (delivery to private consignees only) offers the possibility of delivery direct to the consignee (direct delivery) or delivery to a Pickup Parcelshop (Pickup Parcelshop delivery).

The precondition for the use of the B2C service is the transmission of the shipment data interface MPSEXPDATA, see Point 5.1 of this documentation.

In addition to the mandatory data records, for all B2C parcels the optional application record "MPSEXP:MSG" (data for notifications) must be transmitted.

If delivery will be to a Pickup Parcelshop, the application record "MPSEXP:PERS" (data for personal handover) has to be transmitted.

### 8.9.1 Direct delivery

Parcel label with B2C service code for direct shipping

<b>Responsible delivery – CO<sub>2</sub> neutral</b>			
Empfänger/Consignee <b>Maximilian Mustermann</b>  <b>Landsberger Straße 444</b>  <b>Telefon 0049 89 4589 387</b> <b>DE-80687 München (Laim)</b>		Dept 0163 DPD GeoPost (Deutschland) GmbH Altonstraße 25 DE-63741 Aschaffenburg Tel: +49 (0) 60 21 - 4 43 94-0  Absender/Sender Verpackungsstellen Inh. A. Müller Würzburger Straße 789 DE-63742 Aschaffenburg (Schweinheim) Telefon 0049 (0) 60 21 - 35 89-0	
Referenz 1: <b>Herbstaktion 303</b>  Referenz 2: <b>Order 303-1008675SF</b>	Lieferung/Shipment <b>1 / 1</b>  Gewicht/Weight <b>6,90 kg</b>		
<b>0998 0000 0200 45<sub>7</sub></b> <small>Track</small>		<b>D-B2C</b> <small>Service</small>	
<b>DE-0180</b> 327-DE-81827		<b>45</b>	
<small>20.12.12 09:23 DELISprint 6.0.3.0 R20120903 WIN</small>			
			
<b>0081 827 0998 0000 0200 45 327 276 N</b>			

## 8.9.2 DPD Parcelshop delivery

Parcel label with B2C service code for Parcelshop delivery and the following special features relating to the consignee:

- Entry of a Pickup Parcelshop address based on the Pickup Parcelshop Finder
- Entry of the name of the final consignee in the second line
- Entry of " Paketshop Zustellung / Parcelshop Delivery " in accordance with information from the routing database (Table SERVICEINFO, Field "ServiceFieldInfo") in the service field

<b>Responsible delivery – CO<sub>2</sub> neutral</b>			
<b>Empfänger/Consignee</b> <b>Copy Shop KKS</b> <b>Max Mustermann</b>  <b>Würzburger Str. 55</b>  <b>DE-63743 Aschaffenburg</b>		<b>Depot 0163</b> DPD Geopost (Deutschland) GmbH Altonstraße 25 DE-63741 Aschaffenburg Tel. +49 (0) 60 21 - 4 43 94-0	
<b>Referenz 1:</b> <b>Herbstaktion 303</b>  <b>Referenz 2:</b> <b>Order 303-1008675SF</b>		<b>Lieferung/Shipment</b> <b>1 / 1</b>  <b>Gewicht/Weight</b> <b>6,90 kg</b>	
<b>Paketshop Zustellung / Parcelshop Delivery</b>			
<b>0998 0000 0200 47<sub>3</sub></b> <small>Track</small>		<b>D-B2C-PSD</b> <small>Service</small>	
<b>0163</b>		<b>DE-0163</b> 337-DE-63743	
<small>20.12.12 09:51 DELISprint 6.0.3.0 R20120903 WIN</small>		<b>B001</b>	
			
0063 743 0998 0000 0200 47 337 276 0			

### 8.9.3 Processing returns

For the processing of returns DPD offers a simple solution: return parcel labels can be printed with which the customer can arrange the return of a parcel via any Pickup Parcelshop:

The documents for processing returns which are described below can

- a) be sent directly with the parcel or
- b) sent to the customer later by post or email (PDF)

The return documents are composed of the return parcel label and the consignee's receipt (optional).

#### **Return parcel label**

The return parcel label with the data for the return shipment:

- consignee data = original consignor, or (not freely definable) destination addresses approved by the original dispatch depot
- consignor data = original consignee
- dispatching depot data = original dispatching depot address
- reference data = the customer's original or freely recorded reference data
- the service code for the return shipment must be 332 (RETURN)
- the parcel label number which is provided must come from a number cycle which belongs to the customer (original consignor)
- the barcode on the returned parcel label is a "Relabel" barcode (see Chapter 6.1.2 of these guidelines)
- Each return label can only be used once

## Example return parcel label

Responsible delivery – CO <sub>2</sub> neutral			
<b>Empfänger/Consignee</b> <b>Verpackungsideen</b> <b>Inh. A. Müller</b>  <b>Würzburger Straße 789</b>  <b>Telefon 0049 89 9222 3699</b> <b>DE-63741 Aschaffenburg</b>		<b>Depot 0163</b> <b>DPD GeoPost (Deutschland) GmbH</b> <b>Außestraße 25</b> <b>DE-63741 Aschaffenburg</b> <b>Tel. +49 (0) 50 21 - 4 43 94-0</b>  <b>Absender/Sender</b> <b>Maximilian Mustermann</b> <b>Landsberger Straße 44</b> <b>DE-80687 München (Lam)</b> <b>Telefon 0049 (0) 89 4599 387</b>	
<b>Referenz 1:</b> <b>Herbstaktion 303</b>  <b>Referenz 2:</b> <b>Order 303-1008675SF</b>	<b>Lieferung/Shipment</b> <b>1 / 1</b>  <b>Gewicht/Weight</b> <b>6,90 kg</b>		
<b>0998 0978 0047 57 U</b> <small>Track</small>		<b>RETURN</b> <small>Service</small>	
<b>! RELABEL !</b> <b>332-DE-63741</b> <small>121109 09 35 56 U00091102 CELIXCom-90A V4.0</small>			
 <small>0053 741 0998 0978 0047 57 332 276 3</small>			

### Consignee's receipt (optional)

Confirmation document for consignor with the following contents:

- delivery address
- consignor address
- parcel label number
- reference data, if available
- placeholder for date, signature and stamp
- DPD logo
- the words 'DPD Retoure' and 'Receipt'

Example consignee's receipt





# DPD Retoure

Zustelladresse/Delivery address:

**Verpackungsideen**  
**Inh. A. Müller**  
**Würzburger Straße 789**  
**DE-63742 Aschaffenburg (Schweinheim)**

Absenderadresse/Sender address:

**Maximilian Mustermann**  
**Landsberger Straße 44**  
**DE-80687 München (Laim)**

Paketscheinnummer und Referenzdaten/Parcel label number and reference data:

**09980978004757**  
Herbstaktion 303 / Order 303-1008675SF

## Quittung für den Kunden Receipt for customer

\_\_\_\_\_  
Datum und Unterschrift Pickup Paketshop  
Date and signature Pickup parcelshop

Stempel  
Stamp

# 9 Service combinations



Following are some examples for parcel labels with combined services developed by self-printing customers:

## 9.1 Ex works and dangerous goods

<b>Responsible delivery – CO<sub>2</sub> neutral</b>		
Empfänger/Consignee <b>Schmitt &amp; Schneider GmbH</b> <b>Versandservice</b> <b>Herrn Wolfgang Schneider</b> <b>Wasserburger Landstraße 678</b>  <b>Telefon 0049 89 9222 3699</b> <b>DE-81827 München (Trudering-Riem)</b>		Depot 0163 DPD GeoPost (Deutschland) GmbH Altmühlstraße 25 DE-63741 Aschaffenburg Tel: +49 (0) 80 21 - 4 43 94-0 Absendersender Verpackungsdeen Inh. A. Müller Würzburger Straße 789 DE-63742 Aschaffenburg (Schweinheim) Telefon 0049 (0) 80 21 - 35 89-0
Referenz 1: <b>Herbstaktion 303</b>  Referenz 2: <b>Order 303-1008675SF</b>	Lieferung/Shipment <b>1 / 1</b>  Gewicht/Weight <b>6,90 kg</b>	
<b>Unfrei / ex works</b> <b>Gefahrgut / hazardous goods</b>		
<b>0998 0000 0200 51<sub>B</sub></b> <small>Track</small>		<b>D-EXW-HAZ</b> <small>Service</small>
<b>DE-0180</b> 106-DE-81827		<b>45</b>
<small>21.12.12 09:04 DELISprint 6.0.3.0 R20120903 WIN</small>		
		
<b>0081 827 0998 0000 0200 51 106 276 M</b>		

The dangerous goods additional label containing the dangerous goods information must be attached to the parcel as well (omitted due to lack of space here).

## 9.2 COD and dangerous goods




Responsible delivery – CO <sub>2</sub> neutral		dpd	
<b>Empfänger/Consignee</b> <b>Schmitt &amp; Schneider GmbH</b> <b>Versandservice</b> <b>Herrn Wolfgang Schneider</b> <b>Wasserburger Landstraße 678</b>  <b>Telefon 0049 89 9222 3699</b> <b>DE-81827 München (Trudering-Riem)</b>		<b>Depot 0163</b> <b>DPD Geopost (Deutschland) GmbH</b> <b>Altenstraße 25</b> <b>DE-63741 Aschaffenburg</b> <b>Tel. +49 (0) 60 21 - 4 43 94-0</b>  <b>Absender/Sender</b> <b>Verpackungsideen</b> <b>Inh. A. Müller</b> <b>Witzburger Straße 789</b> <b>DE-63742 Aschaffenburg (Schweinheim)</b> <b>Telefon 0049 (0) 60 21 - 35 89-0</b>	
<b>Referenz 1:</b> <b>Herbstaktion 303</b>  <b>Referenz 2:</b> <b>Order 303-1008675SF</b>	<b>Lieferung/Shipment</b> <b>1 / 1</b>  <b>Gewicht/Weight</b> <b>6,90 kg</b>		
<b>NN-Betrag: EUR 389,99</b> <b>Inkasso-Art: V-Scheck</b> <b>Verw.-zweck: 303-1008675F</b>  <b>Nachnahme / C.O.D.</b> <b>Gefahrgut / hazardous goods</b>			
<b>0998 0000 0200 52<sub>9</sub></b> <small>Track</small>		<b>D-COD-HAZ</b> <small>Service</small>	
<b>DE-0180</b> <b>110-DE-81827</b> <small>21.12.12 09:41 DELISprint 6.0.3.0 R20120903 WIN</small>		<b>45</b>	
			
<b>0081 827 0998 0000 0200 52 110 276 W</b>			

The dangerous goods additional label containing the dangerous goods information must be attached to the parcel as well (omitted due to lack of space here).

## 9.3 COD and DPD 18:00

Responsible delivery – CO <sub>2</sub> neutral		
<b>Empfänger/Consignee</b> <b>Schmitt &amp; Schneider GmbH</b> <b>Versandservice</b> <b>Herrn Wolfgang Schneider</b> <b>Wasserburger Landstraße 678</b>  <b>Telefon 0049 89 9222 3699</b> <b>DE-81827 München (Trudering-Riem)</b>		<small>Depot 0163</small> <small>DPD GeoPost (Deutschland) GmbH</small> <small>Auftragsstraße 25</small> <small>DE-63741 Aschaffenburg</small> <small>Tel. +49 (0) 80 21 - 4 43 94 0</small>  <small>Absender/Sender</small> <small>Verpackungsideen</small> <small>Inn. A. Müller</small> <small>Wurzbürger Straße 789</small> <small>DE-63742 Aschaffenburg (Schweinhain)</small> <small>Telefon 0049 (0) 80 21 - 35 89-0</small>
<small>Referenz 1:</small> <b>Herbstaktion 303</b>  <small>Referenz 2:</small> <b>Order 303-1008675SF</b>	<small>Lieferung/Shipment</small> <b>1 / 1</b>  <small>Gewicht/Weight</small> <b>6,90 kg</b>	
<small>NN-Betrag:</small> <b>EUR 389,99</b> <small>Inkasso-Art:</small> <b>V-Scheck</b> <small>Verw.-zweck:</small> <b>303-1008675SF</b>  <b>DPD 18:00 / DPD GUARANTEE</b> <b>Nachnahme / C.O.D.</b>		
<b>0998 0000 0200 53<sub>7</sub></b> <small>Track</small>		<b>PM2-COD</b> <small>Service</small>
<b>DE-0180</b> 161-DE-81827		<b>45</b>
<small>21.12.12 09:46 DELISprint 6.0.3.0 R20120903 WIN</small>		
		
<b>0081 827 0998 0000 0200 53 161 276 0</b>		

## 9.4 COD and DPD 8:30

Responsible delivery – CO <sub>2</sub> neutral		
<b>Empfänger/Consignee</b> <b>Schmitt &amp; Schneider GmbH</b> <b>Versandservice</b> <b>Herrn Wolfgang Schneider</b> <b>Wasserburger Landstraße 678</b>  <b>Telefon 0049 89 9222 3699</b> <b>DE-81827 München (Trudering-Riem)</b>		<b>Depot 0163</b> <b>DPD GeoPost (Deutschland) GmbH</b> <b>Auftragsnr. 25</b> <b>DE-63741 Aschaffenburg</b> <b>Tel. +49 (0) 90 21 - 4 43 94-0</b>  <b>Absender/Sender</b> <b>Verpackungsideen</b> <b>Hrn. A. Müller</b> <b>Wurzburger Straße 789</b> <b>DE-63742 Aschaffenburg (Schweinhelm)</b> <b>Telefon 0049 (0) 90 21 - 36 89-0</b>
<b>Referenz 1:</b> <b>Herbstaktion 303</b>  <b>Referenz 2:</b> <b>Order 303-1008675SF</b>	<b>Lieferung/Shipment</b> <b>1 / 1</b>  <b>Gewicht/Weight</b> <b>6,90 kg</b>	
<b>NN-Betrag: EUR 389,99</b> <b>Inkasso-Art: V-Scheck</b> <b>Verw.-zweck: 303-1008675SF</b>		
<b>DPD 8:30 Nachnahme / C.O.D.</b>		
<b>0998 0000 0200 54<sub>5</sub></b> <small>Track</small>		<b>AM0-COD</b> <small>Service</small>
<b>DE-0992</b> <b>352-DE-81827</b>		
<small>21.12.12 09:54 DELUSprint 6.0.3.0 R20120903 WIN</small>		
		
<b>0081 827 0998 0000 0200 54 352 276 B</b>		

## 9.5 COD and DPD 10:00

Responsible delivery – CO <sub>2</sub> neutral			
<b>Empfänger/Consignee</b> <b>Schmitt &amp; Schneider GmbH</b> <b>Versandservice</b> <b>Herrn Wolfgang Schneider</b> <b>Wasserburger Landstraße 678</b>  <b>Telefon 0049 89 9222 3699</b> <b>DE-81827 München (Trudering-Riem)</b>		<b>Depot 0163</b> <b>DPD GeoPost (Deutschland) GmbH</b> <b>Auftragsnr. 25</b> <b>DE-63741 Aschaffenburg</b> <b>Tel. +49 (0) 90 21 - 4 43 94-0</b>  <b>Absender/Sender</b> <b>Verpackungsideen</b> <b>Hrn. A. Müller</b> <b>Wurzburger Straße 789</b> <b>DE-63742 Aschaffenburg (Schweinhelm)</b> <b>Telefon 0049 (0) 90 21 - 36 89-0</b>	
<b>Referenz 1:</b> <b>Herbstaktion 303</b>	<b>Lieferung/Shipment</b> <b>1 / 1</b>		
<b>Referenz 2:</b> <b>Order 303-1008675SF</b>	<b>Gewicht/Weight</b> <b>6,90 kg</b>		
<b>NN-Betrag: EUR 389,99</b> <b>Inkasso-Art: V-Scheck</b> <b>Verw.-zweck: 303-1008675F</b>			
<b>DPD 10:00 Nachnahme / C.O.D.</b>			
<b>0998 0000 0200 55<sub>3</sub></b> <small>Track</small>		<b>AM1-COD</b> <small>Service</small>	
<b>DE-0180</b> <b>191-DE-81827</b>		<b>45</b>	
<small>21.12.12 10:03 DELISprint 6.0.3.0 R20120903 WIN</small>			
			
<b>0081 827 0998 0000 0200 55 191 276 A</b>			

## 9.6 COD and DPD 12:00

Responsible delivery – CO <sub>2</sub> neutral		
<b>Empfänger/Consignee</b> <b>Schmitt &amp; Schneider GmbH</b> <b>Versandservice</b> <b>Herrn Wolfgang Schneider</b> <b>Wasserburger Landstraße 678</b>  <b>Telefon 0049 89 9222 3699</b> <b>DE-81827 München (Trudering-Riem)</b>		<b>Depot 0163</b> <b>DPD GeoPost (Deutschland) GmbH</b> <b>Auftragsnr. 25</b> <b>DE-63741 Aschaffenburg</b> <b>Tel. +49 (0) 90 21 - 4 43 94-0</b>
<b>Referenz 1:</b> <b>Herbstaktion 303</b>  <b>Referenz 2:</b> <b>Order 303-1008675SF</b>		<b>Absender/Sender</b> <b>Verpackungsideen</b> <b>Hrn. A. Müller</b> <b>Wurzburger Straße 789</b> <b>DE-63742 Aschaffenburg (Schweinheim)</b> <b>Telefon 0049 (0) 90 21 - 36 89-0</b>
<b>NN-Betrag: EUR 389,99</b> <b>Inkasso-Art: V-Scheck</b> <b>Verw.-zweck: 303-1008675F</b>		<b>Lieferung/Shipment</b> <b>1 / 1</b>  <b>Gewicht/Weight</b> <b>6,90 kg</b>
		
<b>DPD 12:00 Nachnahme / C.O.D.</b>		
<b>0998 0000 0200 56<sub>1</sub></b> <small>Track</small>		<b>AM2-COD</b> <small>Service</small>
<b>DE-0180</b> <b>237-DE-81827</b>		<b>45</b>
<small>21.12.12 10:11 DELISprint 6.0.3.0 R20120903 WIN</small>		
		
<b>0081 827 0998 0000 0200 56 237 276 K</b>		

# 10 Conclusion

DPD utilizes a barcode system for data flow and material flow purposes. This ensures its familiar reliability and safety. To make this system work, each DPD parcel has to have a DPD parcel label including barcode.

There are different methods available to attach the information to the DPD parcels. Basically either standard products can be used or the corresponding information is printed by the DPD customers themselves.

To ensure that the entire DPD system uses consistent technical data, this specification represents the technical standard for all barcode information media within DPD. We apologize for any inconvenience regarding the (more or less labor-intensive) approval process for customers who wish to print their parcel labels themselves. This is necessary to ensure the familiar high DPD quality standard in the long run.

If you wish to implement customer-side parcel label printing, you should read this specification very carefully to find the necessary detail information.

We wish you every success and are looking forward to working with you.

DELICom DPD GmbH



# 11 Appendix

## 11.1 Glossary and abbreviations

<b>Ink jet printing method</b>	Printing method where ink is deposited using piezoelectric or capacitive effects
<b>Laser</b>	Laser beams are artificial light with a certain wavelength spectrum and a certain intensity.
<b>Laser printing method</b>	Printing method where data are stored on a toner medium using laser beams. The deposition of toner on the base material is followed by thermal aftertreatment.
<b>Ion printing method</b>	Printing method where data are stored on a toner medium using ion beams. The deposition of toner on the base material is followed by thermal aftertreatment.
<b>Magnetic printing method</b>	Printing method where data are stored on a magnetic toner medium. The deposition of toner on the base material is followed by thermal aftertreatment.
<b>Parcel life history</b>	Parcel-specific record for each parcel shipped within the DPD system. It describes the logistic path of the parcel in the DPD system.
<b>Parcel label</b>	Identification medium in the DPD system
<b>Tracking number</b>	The identification code for DPD parcels which is printed on the parcel label
<b>Routing</b>	Creation of the DPD destination information
<b>Thermo printing method</b>	Printing method utilizing thermal effects and heat-sensitive material.
<b>Thermo transfer printing</b>	Printing method utilizing thermal effects and heat-sensitive transfer foil with dye transfer to subjacent material.
<b>Element</b>	Term describing a bar or a gap, respectively
<b>Gap</b>	The bright element between two barcode bars
<b>Module</b>	The smallest element in a barcode
<b>Module width</b>	Width of the smallest element
<b>Ratio</b>	Ratio of a small and a wide element
<b>Region without bars</b>	The bright region before and behind the barcode
<b>Bar</b>	The dark barcode element
<b>Start/Stop sign</b>	Each barcode starts with a start sign and ends with a stop sign.

## 11.2 The DPD logo



## 11.3 Text CO<sub>2</sub>-neutral parcel shipping – JPG image

**Responsible delivery – CO<sub>2</sub> neutral**

## 11.4 Checklist for customer-side parcel printing

<b>Parcel label layout</b>		Yes	No
DPD logo exists		<input type="checkbox"/>	<input type="checkbox"/>
Current depot address exists		<input type="checkbox"/>	<input type="checkbox"/>
Information exists?	♦ Number of parcels:	<input type="checkbox"/>	<input type="checkbox"/>
	♦ Weight:	<input type="checkbox"/>	<input type="checkbox"/>
	♦ Date:	<input type="checkbox"/>	<input type="checkbox"/>
Sender address exists?		<input type="checkbox"/>	<input type="checkbox"/>
Recipient address field is emphasized with regard to the sender address		<input type="checkbox"/>	<input type="checkbox"/>
Damage notification or CO <sub>2</sub> -neutral parcel shipping text exists		<input type="checkbox"/>	<input type="checkbox"/>
Route field completely printed		<input type="checkbox"/>	<input type="checkbox"/>
Code 128 Barcode field completely printed		<input type="checkbox"/>	<input type="checkbox"/>
Aztec 2D code field completely printed		<input type="checkbox"/>	<input type="checkbox"/>
Samples of the services used exist		<input type="checkbox"/>	<input type="checkbox"/>
Parcel label with routing to France exists		<input type="checkbox"/>	<input type="checkbox"/>
<b>Parcel label geometry</b>		Yes	No
Barcode contents in plain writing	♦ 28 digits altogether	<input type="checkbox"/>	<input type="checkbox"/>
Route field plain writing	♦ O-Sort <span style="float: right;">h ≥ 7.0mm</span>	<input type="checkbox"/>	<input type="checkbox"/>
	♦ Destination text <span style="float: right;">h ≥ 11.0mm</span>	<input type="checkbox"/>	<input type="checkbox"/>
	♦ D-Sort <span style="float: right;">b ≥ 7.0mm</span>	<input type="checkbox"/>	<input type="checkbox"/>
Barcode geometry	♦ Barcode (28 digit) height ≥ 25.0mm	<input type="checkbox"/>	<input type="checkbox"/>
Barcode regions without bars (white margin)	♦ right ≥ 5mm (for modulus x = 375µm)	<input type="checkbox"/>	<input type="checkbox"/>
	♦ left ≥ 5mm (for modulus x = 375µm)	<input type="checkbox"/>	<input type="checkbox"/>
	♦ White regions without bars running at an angle of 45°	<input type="checkbox"/>	<input type="checkbox"/>

Technology (barcode printing code 128)		
	Yes	No
Barcode type code 128 B/C, modulus x=375µm	<input type="checkbox"/>	<input type="checkbox"/>
Coded numbers barcode contents: 28 + check digit	<input type="checkbox"/>	<input type="checkbox"/>
Routing according to current routing data base	<input type="checkbox"/>	<input type="checkbox"/>
Sample material is equivalent to the material used	<input type="checkbox"/>	<input type="checkbox"/>

If you can answer all above items with "Yes", please submit about 5 parcel labels to your appropriate depot at least **2 weeks** prior to the intended channeling in of the parcels including the proper number circle and the current routing data base and service code table. Your appropriate depot will take all further steps to apply for the required approval. The fact that the above items are fulfilled does not mean you have approval for parcel label printing. This checklist is only intended to be an aid to be able to achieve the necessary parcel label quality more easily.

## 11.5 DPD country table acc. to ISO 3166.1

Aegypten	EG	EGY	818
Aequatorial-Guinea	GQ	GNQ	226
Aethiopien	ET	ETH	231
Afghanistan	AF	AFG	004
Aland-Inseln	AX	ALA	248
Albanien	AL	ALB	008
Algerien	DZ	DZA	012
Amerikanisch-Samoa	AS	ASM	016
Andorra	AD	AND	020
Angola	AO	AGO	024
Anguilla	AI	AIA	660
Antarctica	AQ	ATA	010
Antigua & Barbuda	AG	ATG	028
Argentinien	AR	ARG	032
Armenien	AM	ARM	051
Aruba	AW	ABW	533
Aserbaidzchan	AZ	AZE	031
Australien	AU	AUS	036
Bahamas	BS	BHS	044
Bahrain	BH	BHR	048
Bangladesh	BD	BGD	050
Barbados	BB	BRB	052
Belgien	BE	BEL	056
Belize	BZ	BLZ	084
Benin	BJ	BEN	204
Bermudas	BM	BMU	060
Bhutan	BT	BTN	064
Bolivien	BO	BOL	068
Bonaire, Sint Eustatius und Saba	BQ	BES	535
Bosnien & Herzegowina	BA	BIH	070
Botswana	BW	BWA	072
Bouvet-Insel	BV	BVT	074
Brasilien	BR	BRA	076
British Indian Ocean Territory	IO	IOT	086
Brunei Darussalam	BN	BRN	096
Bulgarien	BG	BGR	100
Burkina Faso	BF	BFA	854
Burundi	BI	BDI	108
Cayman-Inseln	KY	CYM	136
Chile	CL	CHL	152
China	CN	CHN	156
Cook Inseln	CK	COK	184
Costa Rica	CR	CRI	188

Curacao	CW	CUW	531
Daenemark	DK	DNK	208
Deutschland	DE	DEU	276
Dominica	DM	DMA	212
Dominikanische Republik	DO	DOM	214
Dschibuti	DJ	DJI	262
Ecuador	EC	ECU	218
El Salvador	SV	SLV	222
Elfenbeinkueste	CI	CIV	384
Eritrea	ER	ERI	232
Estland	EE	EST	233
Faeroer Inseln	FO	FRO	234
Falkland Inseln	FK	FLK	238
Fidschi	FJ	FJI	242
Finnland	FI	FIN	246
Frankreich	FR	FRA	250
Franzoesische Sued- und Antarktisterritorien	TF	ATF	260
Franzoesisch-Polynesien	PF	PYF	258
Gabun	GA	GAB	266
Gambia	GM	GMB	270
Georgien	GE	GEO	268
Ghana	GH	GHA	288
Gibraltar	GI	GIB	292
Grenada	GD	GRD	308
Griechenland	GR	GRC	300
Groenland	GL	GRL	304
Grossbritannien & Nordirland	GB	GBR	826
Guadeloupe	GP	GLP	312
Guam	GU	GUM	316
Guatemala	GT	GTM	320
Guernsey	GG	GGY	831
Guinea	GN	GIN	324
Guinea-Bissau	GW	GNB	624
Guyana	GY	GUY	328
Guyana (Franzoesisch)	GF	GUF	254
Haiti	HT	HTI	332
Heard & Mc Donalds Inseln	HM	HMD	334
Honduras	HN	HND	340
Hong Kong	HK	HKG	344
Indien	IN	IND	356
Indonesien	ID	IDN	360
Iran	IR	IRN	364
Iraq	IQ	IRQ	368
Irland	IE	IRL	372
Island	IS	ISL	352
Isle of Man	IM	IMN	833

Israel	IL	ISR	376
Italien	IT	ITA	380
Jamaika	JM	JAM	388
Japan	JP	JPN	392
Jemen	YE	YEM	887
Jersey	JE	JEY	832
Jordanien	JO	JOR	400
Jungferninseln (britisch)	VG	VGB	092
Kambodscha	KH	KHM	116
Kamerun	CM	CMR	120
Kanada	CA	CAN	124
Kanarische Inseln	IC	ISC	991
Kapverdische Inseln	CV	CPV	132
Karolinen Inseln	FM	FSM	583
Kasachstan	KZ	KAZ	398
Katar	QA	QAT	634
Kenia	KE	KEN	404
Kirgistan	KG	KGZ	417
Kiribati	KI	KIR	296
Kleine vorgelagerte Inseln Vereinigter Staaten	UM	UMI	581
Kokos Inseln	CC	CCK	166
Kolumbien	CO	COL	170
Komoren	KM	COM	174
Kongo	CG	COG	178
Kongo, Dem. Rep.	CD	COD	180
Kroatien	HR	HRV	191
Kuba	CU	CUB	192
Kuwait	KW	KWT	414
Laos	LA	LAO	418
Lesotho	LS	LSO	426
Lettland	LV	LVA	428
Libanon	LB	LBN	422
Liberia	LR	LBR	430
Libyen	LY	LBY	434
Liechtenstein	LI	LIE	438
Litauen	LT	LTU	440
Luxemburg	LU	LUX	442
Macao	MO	MAC	446
Madagaskar	MG	MDG	450
Malawi	MW	MWI	454
Malaysia	MY	MYS	458
Malediven	MV	MDV	462
Mali	ML	MLI	466
Malta	MT	MLT	470
Marokko	MA	MAR	504
Marshall Inseln	MH	MHL	584

Martinique	MQ	MTQ	474
Mauretanien	MR	MRT	478
Mauritius	MU	MUS	480
Mayotte	YT	MYT	175
Mazedonien	MK	MKD	807
Mexiko	MX	MEX	484
Moldawien	MD	MDA	498
Monaco	MC	MCO	492
Mongolei	MN	MNG	496
Montenegro	ME	MNE	499
Montserrat	MS	MSR	500
Mosambik	MZ	MOZ	508
Myanmar	MM	MMR	104
Namibia	NA	NAM	516
Nauru	NR	NRU	520
Nepal	NP	NPL	524
Neukaledonien	NC	NCL	540
Neuseeland	NZ	NZL	554
Nicaragua	NI	NIC	558
Niederlaendische Antillen	AN	ANT	530
Niederlande	NL	NLD	528
Niger	NE	NER	562
Nigeria	NG	NGA	566
Niue	NU	NIU	570
Noerdliche Marianen	MP	MNP	580
Nordkorea	KP	PRK	408
Norfolk Inseln	NF	NFK	574
Norwegen	NO	NOR	578
Oesterreich	AT	AUT	040
Oman	OM	OMN	512
Osttimor	TL	TLS	626
Pakistan	PK	PAK	586
Palaestina	PS	PSE	275
Palau	PW	PLW	585
Panama	PA	PAN	591
Papua-Neuguinea	PG	PNG	598
Paraguay	PY	PRY	600
Peru	PE	PER	604
Philippinen	PH	PHL	608
Pitcairn	PN	PCN	612
Polen	PL	POL	616
Portugal	PT	PRT	620
Puerto Rico	PR	PRI	630
Reunion	RE	REU	638
Ruanda	RW	RWA	646
Rumaenien	RO	ROU	642

Russland	RU	RUS	643
Saint Martin	MF	MAF	663
Samibia	ZM	ZMB	894
Samoa	WS	WSM	882
San Marino	SM	SMR	674
Sao Tome & Principe	ST	STP	678
Saudi Arabien	SA	SAU	682
Schweden	SE	SWE	752
Schweiz	CH	CHE	756
Senegal	SN	SEN	686
Serbien	RS	SRB	688
Seychellen	SC	SYC	690
Sierra Leone	SL	SLE	694
Simbabwe	ZW	ZWE	716
Singapur	SG	SGP	702
Sint Maarten (niederlaendischer Teil)	SX	SXM	534
Slowakei	SK	SVK	703
Slowenien	SI	SVN	705
Solomon Inseln	SB	SLB	090
Somalia	SO	SOM	706
Spanien	ES	ESP	724
Sri Lanka	LK	LKA	144
St. Helena	SH	SHN	654
St. Kitts und Nevis	KN	KNA	659
St. Lucia	LC	LCA	662
St. Pierre & Miquelon	PM	SPM	666
St. Vincent und die Grenadinen	VC	VCT	670
Sudan	SD	SDN	736
Suedafrika	ZA	ZAF	710
Suedgeorgien und die Suedlichen Sandwichinseln	GS	SGS	239
Suedkorea	KR	KOR	410
Suedsudan	SS	SSD	728
Suriname	SR	SUR	740
Svalbard & Jan Mayen Inseln	SJ	SJM	744
Swasiland	SZ	SWZ	748
Syrien	SY	SYR	760
Tadschikistan	TJ	TJK	762
Taiwan	TW	TWN	158
Tansania	TZ	TZA	834
Thailand	TH	THA	764
Togo	TG	TGO	768
Tokelau	TK	TKL	772
Tonga	TO	TON	776
Trinidad & Tobago	TT	TTO	780
Tschad	TD	TCD	148
Tschechien (Republik)	CZ	CZE	203



Tuerkei	TR	TUR	792
Tunesien	TN	TUN	788
Turkmenistan	TM	TKM	795
Turks & Caicos-Inseln	TC	TCA	796
Tuvalu	TV	TUV	798
Uganda	UG	UGA	800
Ukraine	UA	UKR	804
Ungarn	HU	HUN	348
Uruguay	UY	URY	858
US Virgin Islands	VI	VIR	850
USA	US	USA	840
Usbekistan	UZ	UZB	860
Vanuatu	VU	VUT	548
Vatikan	VA	VAT	336
Venezuela	VE	VEN	862
Vereinigte Arabische Emirate	AE	ARE	784
Vietnam	VN	VNM	704
Wallis & Futuna	WF	WLF	876
Weihnachtsinseln	CX	CXR	162
Weissrussland	BY	BLR	112
West Sahara	EH	ESH	732
Zentralafrika	CF	CAF	140
Zypern	CY	CYP	196

As at March 01<sup>st</sup> 2013

## 11.6 DPD service code table

The DPD service code table is part of the routes database. To make the examples shown in this specification better comprehensible, an excerpt from the service code table is shown below:

<b>Code</b>	<b>Service text</b>	<b>Service Description - English</b>
101	D	normal parcel
102	D-HAZ	normal parcel, hazardous goods
105	D-EXW	normal parcel, ex works
106	D-EXW-HAZ	normal parcel, ex works, hazardous goods
109	D-COD	normal parcel, C.O.D.
110	D-COD-HAZ	normal parcel, C.O.D., hazardous goods
113	D-SWAP	normal parcel, exchange
136	D	small parcel
154	PARCEL <i>Letter</i>	PARCEL <i>Letter</i>
155	PM2	Guarantee
161	PM2-COD	Guarantee, C.O.D.
179	AM1	DPD 10:00
191	AM1-COD	DPD 10:00, C.O.D.
225	AM2	DPD 12:00
237	AM2-COD	DPD 12:00, C.O.D.
350	AM0	DPD 8:30

The routing database is separately provided.

## 11.7 DPD message structure

Pos.	Field No	Name 2D Barcode	Description	Max Size	Subfield Max Size	2DB Type	Priority	Field / Sub Field	Mgt Rul	Additional Description	Block	Content	Remark
1			Message Header	4		A	1			]> <sup>R</sup> <sub>s</sub>	Barcode-Trailer	Fix Message Header (siehe Spalte additional description)	
2	1	2DISO_Header	Format Envelope Header	2		N	1	F		"01" = Transportation	ISO Block	Fix "01"	
3	2	2DISO_Version	Format Version	2		N	1	F		"02" = Version	ISO Block	Fix "02"	
4	3	2DISO_DestZipCode	Destination Postal Code	9		AN	X	F	28		ISO Block	MPSEXPDATA.HEADER.RPOSTAL	1 zu 1, If the country has no zip code system, the zip code is set to "0"
5	4	2DISO_DestCountryCode	Destination Country Code	3		N	1	F		ISO 3166 (eg. 826) / Recipient country	ISO Block	MPSEXPDATA.HEADER.RCOUNTRYN	1 zu 1
6	5	2DISO_ServiceCode	Service Code	3		AN	1	F		GeoPost Service Code / Class of service	ISO Block	MPSEXPDATA.PARCEL.SERVICE	1 zu 1
7	6	2DISO_ParcelNumber	Parcel Number	14		AN	1	F		Digit 1-4 = Business Unit Origin (or Depot) / Tracking number	ISO Block	MPSEXPDATA.PARCEL.PARCELNO	1 zu 1
8	7	2DISO_SCAC	Origin Carrier SCAC	4		AN	1	F		Standard Carrier Alpha Code (To be define)	ISO Block	Fix "GEOP"	
9	8	2DISO_CustAccNumber	Customer Account Number	17		AN	10	F		Recognized Account number within the Origin Business Unit / Carrier assigned shipper ID	ISO Block	MPSEXPDATA.HEADER.SCUSTID	1 zu 1

Pos.	Field No	Name 2D Barcode	Description	Max Size	Subfield Max Size	2DB Type	Priority	Field / Sub Field	Mgt Rul	Additional Description	Block	Content	Remark
10	9	2DISO_JDPickup	Julian day of pickup	3		N	1	F		Numeric (padded on the left with zero). Julian day is presenting the interval of time in days and fractions of a day since January the 1st. Example: The julian day of 12.03.2012 is (31+29+12) = 72	ISO Block	MPSEXPDATA.HEADER.MPSS DATE	Anzahl Tage ab den 1.1. eines Jahres. Bsp: 12.03.2012 ist (31+29+12) = 72
11	10	2DISO_ConsCustRef1	Consignment customer reference number 1	35		AN	5	F		Consignment reference could be different from parcel reference / Shipment ID Number (assign by shipper)	ISO Block	MPSEXPDATA.HEADER.MPSC REF1	1 zu 1
12	11	2DISO_RangInNumber	Parcel X / in consignment Y (MPS)	7		AN	1	F		3N/3N (Padded on the left with zero) Default 001/001	ISO Block	MPSEXPDATA.HEADER.MPSC OUNT	"nnn" + "/" + 3-stellig MPSCOUNT aufgefüllt mit 0 (nnn ist analog der Erzeugung des bisherigen Labels anzugeben)
13	12	2DISO_DeclaredWeight	Declared weight	7		AN	1	F		"nn.nnKG"	ISO Block	MPSEXPDATA.PARCEL.WEIGHT	wenn WEIGHT >= 9999 dann 99.99 sonst in WEIGHT nach der zweiten Stelle von rechts den Dezimaltrenner Punkt einfügen
14	13	2DISO_CrossMatch	Cross match	1		A	1	F		"Y"/"N" Default "N"	ISO Block	Fix "N"	

Pos.	Field No	Name 2D Barcode	Description	Max Size	Subfield Max Size	2DB Type	Priority	Field / Sub Field	Mgt Rul	Additional Description	Block	Content	Remark
15	14	2DISO_RecStreet	Receiver Street	35		AN	1	F		Could include the receiver Property Number. In this case Property number will be empty	ISO Block	MPSEXPDATA.HEADER.RSTRET	1 zu 1
16	15	2DISO_RecTown	Receiver Town/City	35		AN	1	F			ISO Block	MPSEXPDATA.HEADER.RCITY	1 zu 1
17	16	2DISO_RecState	Receiver State	2		AN	X	F	7	"CA" for California	ISO Block	MPSEXPDATA.HEADER.RSTATE	1 zu 1
18	17	2DISO_RecCompName1	Receiver Company Name1	35		AN	X	F	4		ISO Block	MPSEXPDATA.HEADER.RNAME1	1 zu 1
19			Format Envelope trailer	1		A	1			R <sub>s</sub>	ISO Block	Fix Blocktrenner (siehe Spalte additional description)	
20	1	2DSTD_Header2	Format Envelope Header	2		N	1	F		"07"	STD Block	Fix "07"	
21	2	2DSTD_FormatID	2D Format Identification	3		AN	1	F		Standard block Version starting from G02, G03...	STD Block	Fix "G02"	
22	3	2DSTD_BarcodeOF	Barcode overflow	1		N	1	F		Flag (1 = yes / 0 = no) if limit of barcode size is exceeded	STD Block	zu berechnen aus den zu füllenden Feldern, wenn abgeschnitten werden muss, dann 1 sonst 0 !!Achtung neu zusätzlich die BU1 und BU2 Rule berücksichtigen!!	
23	4	2DSTD_NoHandWoutData	No handling without data	1		N	2	F		Flag (1 = yes / 0 = no)	STD Block	Fix = 0	
24	5	2DSTD_RoutingNec	Routing necessary	1		N	1	F		Flag (1 = yes / 0 = no)	STD Block	Fix = 0	
25			Receiver Information	150	343		X	F	2, 30	Note: The receiver Postal Code/Country is contained within the primary bar code	STD Block	n.n.	

Pos.	Field No	Name 2D Barcode	Description	Max Size	Subfield Max Size	2DB Type	Priority	Field / Sub Field	Mgt Rul	Additional Description	Block	Content	Remark
26	6	2DSTD_RecComment	- Receiver comment		70	AN	5	S		Additional text to support delivery process. Any comment to help the delivery of the parcel. (Recipient comment)	STD Block	MPSEXPDATA.HEADER.RCOMMENT	1 zu 1
27	7	2DSTD_RecCompName2	- Receiver Company Name2		35	AN	10	S		Could be the company department (Communication department, finance...)	STD Block	MPSEXPDATA.HEADER.RNAME2	1 zu 1
28	8	2DSTD_RecContact	- Receiver contact name		35	AN	X	S	4	(receiver/consignee)	STD Block	MPSEXPDATA.HEADER.RCONTACT	1 zu 1
29	9	2DSTD_RecContactPho1	- Receiver Contact Phone Number1		25	AN	X	S	25, 32	The only acceptable alphabetic character is "+" before country code. Country code can be preceded of "00" or "+"	STD Block	MPSEXPDATA.HEADER.RPHONE	wenn länge(RPHONE)>25 dann alle Leerzeichen, Buchstaben und Sonderzeichen außer "+", "(" und ")" aus dem Text entfernen. Wenn immer noch länger als 25 dann abschneiden
30	10	2DSTD_RecContactPho2	- Receiver Contact Phone Number2		25	AN	X	S	32	The only acceptable alphabetic character is "+" before country code. Country code can be preceded of "00" or "+"	STD Block	leer	
31	11	2DSTD_RecNotifMob	- Receiver Notification Mobile Phone number		25	AN	X	S	5,32	The only acceptable alphabetic character is "+" before country code. Country code can be preceded of "00" or "+"	STD Block	MPSEXPDATA.MSG.MSGVALUE1-5	MSGVALUE1 oder 2,3,4,5 wird 1:1 genommen, wenn MSGRULE1, 2, 3, 4, 5 = 904 und MSGTYPE1,2,3,4,5 = 3

Pos.	Field No	Name 2D Barcode	Description	Max Size	Subfield Max Size	2DB Type	Priority	Field / Sub Field	Mgt Rul	Additional Description	Block	Content	Remark
													(904 kann nur einmal auftreten)
32	12	2DSTD_RecNotifEMail	- Receiver Notification email		50	AN	X	S	5		STD Block	MPSEXPDATA.MSG.MSGVALU E1-5	MSGVALUE1 oder 2,3,4,5 wird 1:1 genommen, wenn MSGRULE1, 2, 3, 4, 5 = 904 und MSGTYPE1,2,3,4,5 = 1 (904 kann nur einmal auftreten)
33	13	2DSTD_RecPropNum	- Receiver Property Number / House No		8	AN	X	S	6		STD Block	MPSEXPDATA.HEADER.RHOUSENO	1 zu 1
34	14	2DSTD_RecAdd2	- Receiver Address Line 2		35	AN	2	S			STD Block	leer	
35	15	2DSTD_RecAdd3	- Receiver Address Line 3		35	AN	2	S			STD Block	leer	
36	16	2DSTD_NotifType	Notification type	1		A	X	F	26	Notification could be driven by this field or by the presence of the field notification phone/email (see rule number 5). "B" : Email+SMS, "E" : Email, "S" : SMS, "C" : Call, Empty : No notification.	STD Block	MPSEXPDATA.MSG.MSGTYPE 1-5	wenn MSGRULE1, 2, 3, 4, 5 = 904 dann aus MSGTYPE1,2,3,4,5 ableiten wie folgt 1 => "E", 2 => "C", 3 => "S", sonst leer
37	17	2DSTD_TotalWeight	Total weight of shipment (MPS)	8		AN	X	F	19	"nnn.nnKG", "nnnn.nKG", "nnnnn KG"	STD Block	MPSEXPDATA.HEADER.MPSWEIGHT	wenn MPSWEIGHT >= 99999 dann 999.99 sonst in MPSWEIGHT nach der zweiten Stelle von rechts

Pos.	Field No	Name 2D Barcode	Description	Max Size	Subfield Max Size	2DB Type	Priority	Field / Sub Field	Mgt Rul	Additional Description	Block	Content	Remark
													den Dezimaltrenner Punkt einfügen
38	18	2DSTD_NotifSenderComp	Notification Sender Company Name1	35		AN	X	F		Refer to the friendly name of the company. Can be use to personalize the notification sent to the receiver.	STD Block	leer	
39	19	2DSTD_NotifSenderContact	Notification Sender contact person	35		AN	X	F		Can be use to personalize the notification sent to the receiver.	STD Block	leer	
40	20	2DSTD_SendParcelRef	Sender parcel reference	35		AN	5	F			STD Block	MPSEXPDATA.PARCEL.CREF1	1 zu 1
41	21	2DSTD_RecParcelRef	Receiver parcel reference	35		AN	5	F			STD Block	MPSEXPDATA.PARCEL.CREF2	1 zu 1
42	22	2DSTD_ConsType	Consignment Type	1		AN	X	F	8	("D"/"N")Documents (no value) or Non-Documents (with value)	STD Block	MPSEXPDATA.INTER.PARCELTYPE	1 zu 1 wenn "D" sonst "N"
43	23	2DSTD_ContDescr	Contents Description	50		AN	X	F	8		STD Block	MPSEXPDATA.INTER.CCONTENT	1 zu 1
44	24	2DSTD_ConsCustRef2	Consignment customer reference number 2	35		AN	5	F			STD Block	MPSEXPDATA.HEADER.MPSCREF2	1 zu 1
45	25	2DSTD_LimitedQtyHaz	limited quantities hazardous	1		N	X	F	9	limited quantities hazardous goods parcel value (1 = yes / 0 = no), default: 0	STD Block	MPSEXPDATA.PARCEL.HAZLQ	1 zu 1
46			Format Envelope trailer	1		A	1			R <sub>S</sub>	STD Block	Fix Blocktrenner (siehe Spalte additional description)	
47	1	2DS01_Header	Format Envelope Header	2		N	1	F		"07"	Sender Block	Fix = "07"	
48	2	2DS01_FormatID	BLOCL-ID = "S01X"	4		AN	X	F	3	X (AN) is the version of the record from "0".	Sender Block	Fix = "S010"	



Pos.	Field No	Name 2D Barcode	Description	Max Size	Subfield Max Size	2DB Type	Priority	Field / Sub Field	Mgt Rul	Additional Description	Block	Content	Remark
49			Sender Information	140	220		X	F	2, 30		Sender Block	n.n.	
50	3	2DS01_SendCompName	- <i>Sender Company Name</i>		35	AN	X	S	10		Sender Block	MPSEXPDATA.HEADER.SNAM E1	1 zu 1
51	4	2DS01_SendPhone	- <i>Sender Phone Number</i>		25	AN	X	S	32	The only acceptable alphabetic character is "+" before country code. Country code can be preceded of "00" or "+"	Sender Block	MPSEXPDATA.HEADER.SPHONE	wenn länge(SPHONE)>25 dann alle Leerzeichen, Buchstaben und Sonderzeichen außer "+", "(" und ")" aus dem Text entfernen. Wenn immer noch länger als 25 dann abschneiden
52	5	2DS01_Contact	- <i>Sender Contact Name</i>		35	AN	X	S	10		Sender Block	MPSEXPDATA.HEADER.SCONTACT	1 zu 1
53	6	2DS01_SendPropNum	- <i>Sender Property Number / House No</i>		8	AN	X	S	6, 11		Sender Block	MPSEXPDATA.HEADER.SHOUSENO	1 zu 1
54	7	2DS01_SendStreet	- <i>Sender Street</i>		35	AN	X	S	11		Sender Block	MPSEXPDATA.HEADER.SSTREET	1 zu 1
55	8	2DS01_SendAddr2	- <i>Sender Address Line 2</i>		35	AN	X	S	11		Sender Block	MPSEXPDATA.HEADER.SNAME2	1 zu 1
56	9	2DS01_SendTown	- <i>Sender Town/City</i>		35	AN	X	S	11		Sender Block	MPSEXPDATA.HEADER.SCITY	1 zu 1
57	10	2DS01_SendZipCode	- <i>Sender Zip code</i>		9	AN	X	S	28, 11		Sender Block	MPSEXPDATA.HEADER.SPOSTAL	1 zu 1
58	11	2DS01_SendCountryCode	- <i>Sender Country code</i>		3	N	X	S	11	ISO 3166 (eg. 826 for GB)	Sender Block	MPSEXPDATA.HEADER.SCOUNTRY	1 zu 1

Pos.	Field No	Name 2D Barcode	Description	Max Size	Subfield Max Size	2DB Type	Priority	Field / Sub Field	Mgt Rul	Additional Description	Block	Content	Remark
59			Format Envelope trailer	1		A	1			R <sub>s</sub>	Sender Block	Fix Blocktrenner (siehe Spalte additional description)	
60	1	2DS02_Header	Format Envelope Header	2		N	1	F		"07"	COD Block	Fix = "07"	
61	2	2DS02_FormatID	BLOCL-ID = "S02X"	4		AN	X	F	29	X (AN) is the version of the record from "0".	COD Block	Fix = "S020"	
62	3	2DS02_Curr	COD Currency	3		AN	1	F		ISO 4217 (eg. EUR)	COD Block	MPSEXPDATA.COD.NCURR	1 zu 1
63	4	2DS02_Amount	COD Amount	10		AN	1	F		Separator "." (point)	COD Block	MPSEXPDATA.COD.NAMOUNT	durch 100 teilen
64	5	2DS02_CollectType	Collection Type	1		N	1	F		( 0 = cash / 1 = crossed cheque/ 2 = Credit card)	COD Block	MPSEXPDATA.COD.NINKASSO	1 zu 1
65			Format Envelope trailer	1		A	1			R <sub>s</sub>	COD Block	Fix Blocktrenner (siehe Spalte additional description)	
66	1	2DS03_Header	Format Envelope Header	2		N	1	F		"07"	Customs Block	Fix = "07"	
67	2	2DS03_FormatID	BLOCL-ID = "S03X"	4		AN	X	F	16	"X" (AN) is the version of the record from "0". Sender, receiver and shipment information (Shipment-ID, number of parcels) has to be already available in the 2D barcode. If it is a MPS shipment all piece must be shipped.	Customs Block	Fix = "S030"	
68	3	2DS03_CompInformation	Customs, Complete Information Flag	1		N	1	F		indicates whether more characters/data are needed than	Customs Block	zu berechnen aus den zu füllenden Feldern des	

Pos.	Field No	Name 2D Barcode	Description	Max Size	Subfield Max Size	2DB Type	Priority	Field / Sub Field	Mgt Rul	Additional Description	Block	Content	Remark
										in 2D-Code printable (0=complete; 1=incomplete)		Customs Block, wenn abgeschnitten werden muss, dann 1 sonst 0	
69	4	2DS03_RecVAT	Receivers VAT/PID/EORI No	20		AN	X	F		Necessary information for clearance at destination. The type of the information will depend of the destination country.	Customs Block	MPSEXPDATA.INTER.CVATNO	1 zu 1
70	5	2DS03_SendVAT	Senders VAT / EORI number	20		AN	X	F		Senders VAT / EORI number (Economic Operator Registration & Identification). The type of the information will depend of the sender country.	Customs Block	MPSEXPDATA.INTER.CEORI	1 zu 1
71	6	2DS03_ComBillRecName	Commercial invoice receiver name	35		AN	X	F	14	Set in 20% of the case	Customs Block	MPSEXPDATA.INTER.CNAME1	1 zu 1
72	7	2DS03_ComBillRecPropNum	Commercial invoice Property Number / House No	8		AN	X	F	14, 6	Set in 20% of the case	Customs Block	MPSEXPDATA.INTER.CHOUSE NO	1 zu 1
73	8	2DS03_ComBillRecStreet	Commercial invoice receiver street	35		AN	X	F	14	Set in 20% of the case	Customs Block	MPSEXPDATA.INTER.CSTREET	1 zu 1
74	9	2DS03_ComBillRecCity	Commercial invoice receiver city	25		AN	X	F	14	Set in 20% of the case	Customs Block	MPSEXPDATA.INTER.CCITY	1 zu 1
75	10	2DS03_ComBillRecCountryCode	Commercial invoice receiver country code	3		N	X	F	14, 15	ISO 3166 (eg. 826 for GB), set in 20% of the case	Customs Block	MPSEXPDATA.INTER.CCOUNT RYN	1 zu 1
76	11	2DS03_ComBillRecZipCode	Commercial invoice receiver postal code	9		AN	X	F	14	Set in 20% of the case	Customs Block	MPSEXPDATA.INTER.CPOSTAL	1 zu 1

Pos.	Field No	Name 2D Barcode	Description	Max Size	Subfield Max Size	2DB Type	Priority	Field / Sub Field	Mgt Rul	Additional Description	Block	Content	Remark
77	12	2DS03_ComBillRecContact	Commercial invoice receiver contact	35		AN	X	F	14		Customs Block	MPSEXPDATA.INTER.CCONTA CT	1 zu 1
78	13	2DS03_ComBillRecPhone	commercial invoice receiver phone number	25		AN	X	F	14, 32	The only acceptable alphabetic character is "+" before country code. Country code can be preceded of "00" or "+"	Customs Block	MPSEXPDATA.INTER.CPHONE	wenn länge(CPHONE)>25 dann alle Leerzeichen, Buchstaben und Sonderzeichen außer "+", "(" und ")" aus dem Text entfernen. Wenn immer noch länger als 25 dann abschneiden
79	14	2DS03_TotalValue	Total Value	12		N	1	F		declared customs amount in total (complete shipment if MPS). Separator "." (point).	Customs Block	MPSEXPDATA.INTER.CAMOU NT	durch 100 teilen
80	15	2DS03_Currency	Currency	3		A	1	F		ISO 4217 (e.g. EUR)	Customs Block	MPSEXPDATA.INTER.CURREN CY	1 zu 1
81	16	2DS03_Incoterm	Incoterm	3		A	1	F		DDU, DAP.... List incoterm 2010.	Customs Block	MPSEXPDATA.INTER.CTERMS	Mapping wie folgt: 01 oder 06 => "DAP" 02 oder 03 => "DDP" 05 => "EXW"
82	17	2DS03_DestCountryReg	Destination country registration information	15		AN	2	F		Registration number or FDA	Customs Block	leer	
83	18	2DS03_ArticleNumber	Number of article	3		N	1	F		Real number of article (could be more than five). If more than five, additional keyboard entry is necessary	Customs Block	MPSEXPDATA.INTER.QITEMS	wenn QITEMS > 999 dann 999 sonst QITEMS

Pos.	Field No	Name 2D Barcode	Description	Max Size	Subfield Max Size	2DB Type	Priority	Field / Sub Field	Mgt Rul	Additional Description	Block	Content	Remark
84			Article description-1	45	66		X	F	2, 18, 30		Customs Block	n.n.	
85	19	2DS03_Art1_Desc	- <i>Description</i>		35	AN	2	S		(medium value 17)	Customs Block	MPSEXPDATA.INTER.CCONTE NT	1 zu 1
86	20	2DS03_Art1_Qty	- <i>Quantity</i>		2	N	2	S			Customs Block	n.n.	
87	21	2DS03_Art1_Weigth	- <i>Weight</i>		4	N	2	S		Net weight in Decagram without separator	Customs Block	n.n.	
88	22	2DS03_Art1_Value	- <i>Value</i>		12	N	2	S		value of the invoice position. The currency is the same currency than the total value. Separator "." (point).	Customs Block	MPSEXPDATA.INTER.CAMOU NTLINE	durch 100 teilen
89	23	2DS03_Art1_ComCode	- <i>Commodity Code (NDP, HTC, HS)</i>		10	AN	2	S		Minimum of 6 digit. customs tariff number	Customs Block	MPSEXPDATA.INTER.CTARIF	1 zu 1
90	24	2DS03_Art1_OriginCountry	- <i>Origin country code</i>		3	N	2	S		ISO-3166 3N (eg. 826 for GB), Manufactory country code.	Customs Block	MPSEXPDATA.INTER.CORIGIN	1 zu 1
91			Article description-2	45	66		X	F	2, 18, 30	Details see Article Description-1	Customs Block	siehe Pos 85 -90	
92	25	2DS03_Art2_Desc	- <i>Description</i>		35	AN	2	S		(medium value 17)	Customs Block	MPSEXPDATA.INTER.CCONTE NT	siehe Pos 85
93	26	2DS03_Art2_Qty	- <i>Quantity</i>		2	N	2	S			Customs Block	siehe Pos 86	
94	27	2DS03_Art2_Weigth	- <i>Weight</i>		4	N	2	S		Net weight in Decagram without separator	Customs Block	siehe Pos 87	

Pos.	Field No	Name 2D Barcode	Description	Max Size	Subfield Max Size	2DB Type	Priority	Field / Sub Field	Mgt Rul	Additional Description	Block	Content	Remark
95	28	2DS03_Art2_Value	- Value		12	N	2	S		value of the invoice position. The currency is the same currency than the total value. Separator "." (point).	Customs Block	MPSEXPDATA.INTER.CAMOUNTLINE	siehe Pos 88
96	29	2DS03_Art2_ComCode	- Commodity Code (NDP, HTC, HS)		10	AN	2	S		Minimum of 6 digit. customs tariff number	Customs Block	MPSEXPDATA.INTER.CTARIF	siehe Pos 89
97	30	2DS03_Art2_OriginCountry	- Origin country code		3	N	2	S		ISO-3166 3N (eg. 826 for GB), Manufactory country code.	Customs Block	MPSEXPDATA.INTER.CORIGIN	siehe Pos 90
98			Article description-3	45	66		X	F	2, 18, 30	Details see Article Description-1	Customs Block	siehe Pos 85 -90	
99	31	2DS03_Art3_Desc	- Description		35	AN	2	S		(medium value 17)	Customs Block	MPSEXPDATA.INTER.CCONTENT	siehe Pos 85
100	32	2DS03_Art3_Qty	- Quantity		2	N	2	S			Customs Block	siehe Pos 86	
101	33	2DS03_Art3_Weigth	- Weight		4	N	2	S		Net weight in Decagram without separator	Customs Block	siehe Pos 87	
102	34	2DS03_Art3_Value	- Value		12	N	2	S		value of the invoice position. The currency is the same currency than the total value. Separator "." (point).	Customs Block	MPSEXPDATA.INTER.CAMOUNTLINE	siehe Pos 88
103	35	2DS03_Art3_ComCode	- Commodity Code (NDP, HTC, HS)		10	AN	2	S		Minimum of 6 digit. customs tariff number	Customs Block	MPSEXPDATA.INTER.CTARIF	siehe Pos 89
104	36	2DS03_Art3_OriginCountry	- Origin country code		3	N	2	S		ISO-3166 3N (eg. 826 for GB), Manufactory country code.	Customs Block	MPSEXPDATA.INTER.CORIGIN	siehe Pos 90
105			Article description-4	45	66		X	F	2, 18, 30	Details see Article Description-1	Customs Block	siehe Pos 85 -90	

Pos.	Field No	Name 2D Barcode	Description	Max Size	Subfield Max Size	2DB Type	Priority	Field / Sub Field	Mgt Rul	Additional Description	Block	Content	Remark
106	37	2DS03_Art4_Desc	- <i>Description</i>		35	AN	2	S		(medium value 17)	Customs Block	MPSEXPDATA.INTER.CCONTE NT	siehe Pos 85
107	38	2DS03_Art4_Qty	- <i>Quantity</i>		2	N	2	S			Customs Block	siehe Pos 86	
108	39	2DS03_Art4_Weigth	- <i>Weight</i>		4	N	2	S		Net weight in Decagram without separator	Customs Block	siehe Pos 87	
109	40	2DS03_Art4_Value	- <i>Value</i>		12	N	2	S		value of the invoice position. The currency is the same currency than the total value. Separator "." (point).	Customs Block	MPSEXPDATA.INTER.CAMOU NTLINE	siehe Pos 88
110	41	2DS03_Art4_ComCode	- <i>Commodity Code (NDP, HTC, HS)</i>		10	AN	2	S		Minimum of 6 digit. customs tariff number	Customs Block	MPSEXPDATA.INTER.CTARIF	siehe Pos 89
111	42	2DS03_Art4_OriginCountry	- <i>Origin country code</i>		3	N	2	S		ISO-3166 3N (eg. 826 for GB), Manufactory country code.	Customs Block	MPSEXPDATA.INTER.CORIGIN	siehe Pos 90
112			Article description-5	45	66		X	F	2, 18, 30	Details see Article Description-1	Customs Block	siehe Pos 85 -90	
113	43	2DS03_Art5_Desc	- <i>Description</i>		35	AN	2	S		(medium value 17)	Customs Block	MPSEXPDATA.INTER.CCONTE NT	siehe Pos 85
114	44	2DS03_Art5_Qty	- <i>Quantity</i>		2	N	2	S			Customs Block	siehe Pos 86	
115	45	2DS03_Art5_Weigth	- <i>Weight</i>		4	N	2	S		Net weight in Decagram without separator	Customs Block	siehe Pos 87	
116	46	2DS03_Art5_Value	- <i>Value</i>		12	N	2	S		value of the invoice position. The currency is the same currency than the total value. Separator "." (point).	Customs Block	MPSEXPDATA.INTER.CAMOU NTLINE	siehe Pos 88

Pos.	Field No	Name 2D Barcode	Description	Max Size	Subfield Max Size	2DB Type	Priority	Field / Sub Field	Mgt Rul	Additional Description	Block	Content	Remark
117	47	2DS03_Art5_ComCode	- Commodity Code (NDP, HTC, HS)		10	AN	2	S		Minimum of 6 digit. customs tariff number	Customs Block	MPSEXPDATA.INTER.CTARIF	siehe Pos 89
118	48	2DS03_Art5_OriginCountry	- Origin country code		3	N	2	S		ISO-3166 3N (eg. 826 for GB), Manufactory country code.	Customs Block	MPSEXPDATA.INTER.CORIGIN	siehe Pos 90
119			Format Envelope trailer	1		A	1			<sup>R</sup> S	Customs Block	Fix Blocktrenner (siehe Spalte additional description)	
120	1	2DS05_Header	Format Envelope Header	2		N	11	F		"07"	BU Block	Fix = "07"	
121	2	2DS05_FormatID	BLOCL-ID = "D00201X"	7		AN	11	F		"X" is the version of the record from "0"	BU Block	Fix = "D002010"	
122	3	2DS05_DELISUSR	DELIS User ID	10		AN	X	F	BU2		BU Block	MPSEXPDATA.HEADER.DELISUSR	1 zu 1
123	4	2DS05_VOLUME	Volume of the individual parcel	9		N	20	F		(length / width / height) in cm without separators	BU Block	MPSEXPDATA.PARCEL.VOLUME	1 zu 1
124	5	2DS05_MPSID	Consignment number	35		AN	X	F	BU2		BU Block	MPSEXPDATA.HEADER.MPSID	1 zu 1
125	6	2DS05_MPSCOMP	Flag for complete delivery	1		N	X	F	BU2	1= no complete delivery (MPS incomplete) 2= complete delivery (MPS complete) for COD mandatory, default value: 1	BU Block	MPSEXPDATA.HEADER.MPSCOMP	1 zu 1
126	7	2DS05_MPSCOMPLBL	Create complete delivery / fix date delivery label for pick-up	1		N	X	F	BU2	0= no / 1 = yes, default value: 0	BU Block	MPSEXPDATA.HEADER.MPSCOMPLBL	1 zu 1
127	8	2DS05_PERSCOMPLETE	Flag to identify if the all required informations for	1		N	X	F	BU1	indicates whether more characters/data are needed than	BU Block	zu berechnen aus den zu füllenden Feldern 9-27 des BU	



Pos.	Field No	Name 2D Barcode	Description	Max Size	Subfield Max Size	2DB Type	Priority	Field / Sub Field	Mgt Rul	Additional Description	Block	Content	Remark
			personal delivery could be stored in the 2D Barcode							in 2D-Code printable (0=complete; 1=incomplete)		Block, wenn abgeschnitten werden muss, dann 1 sonst 0	
128	9	2DS05_PERSDELIVERY	personal delivery type	1		N	17	F			BU Block	MPSEXPDATA.PERS.PERSDELIVERY	1 zu 1
129	10	2DS05_PERSFLOOR	Floor for department delivery	30		AN	17	F		Just used for PERSDELIVERY=1	BU Block	MPSEXPDATA.PERS.PERSFLOOR	1 zu 1
130	11	2DS05_PERSBUILDUNG	Bulidung for department delivery	30		AN	17	F		Just used for PERSDELIVERY=1	BU Block	MPSEXPDATA.PERS.PERSBUILDUNG	1 zu 1
131	12	2DS05_PERSDEPARTMENT	Department for department delivery	30		AN	17	F		Just used for PERSDELIVERY=1	BU Block	MPSEXPDATA.PERS.PERSDEPARTMENT	1 zu 1
132	13	2DS05_PERSNAME	Name of the person authorised to accept the consignment	35		AN	17	F		Just used for PERSDELIVERY=2 and 5 (ID-Check)	BU Block	MPSEXPDATA.PERS.PERSNAME	1 zu 1
133	14	2DS05_PERSPHONE	Phone of the person authorised to accept the consignment	30		AN	17	F		Just used for PERSDELIVERY=2 and 5 (ID-Check)	BU Block	MPSEXPDATA.PERS.PERSPHONE	1 zu 1
134	15	2DS05_PERSID	Personal identification number of the person authorised to accept the consignment	35		AN	17	F		Just used for PERSDELIVERY=2 and 5 (ID-Check)	BU Block	MPSEXPDATA.PERS.PERSID	1 zu 1
135			PERSDELIVERY - original address of real consignee	117	259		X	F	2, 30		BU Block	n.n.	
136	16	2DS05_ODEPOT	Responsible Depot for the real consignee		4	AN	17	S			BU Block	MPSEXPDATA.PERS.ODEPOT	1 zu 1

Pos.	Field No	Name 2D Barcode	Description	Max Size	Subfield Max Size	2DB Type	Priority	Field / Sub Field	Mgt Rul	Additional Description	Block	Content	Remark
137	17	2DS05_ONAME1	Name 1 of the real consignee		35	AN	17	S			BU Block	MPSEXPDATA.PERS.ONAME1	1 zu 1
138	18	2DS05_ONAME2	Name 2 of the real consignee		35	AN	17	S			BU Block	MPSEXPDATA.PERS.ONAME2	1 zu 1
139	19	2DS05_OSTREET	Street of the real consignee		35	AN	17	S			BU Block	MPSEXPDATA.PERS.OSTREET	1 zu 1
140	20	2DS05_OHOUSENO	House number of the real consignee		8	AN	17	S			BU Block	MPSEXPDATA.PERS.OHOUSENO	1 zu 1
141	21	2DS05_OCOUNTRYN	Real Country (ISO 3166)		3	N	17	S			BU Block	MPSEXPDATA.PERS.OCOUNTRYN	1 zu 1
142	22	2DS05_OSTATE	State of the real consignee		2	AN	17	S			BU Block	MPSEXPDATA.PERS.OSTATE	1 zu 1
143	23	2DS05_OPOSTAL	Post code of the real consignee		9	AN	X	S	28		BU Block	MPSEXPDATA.PERS.OPOSTAL	1 zu 1
144	24	2DS05_OCITY	City of the real consignee		35	AN	17	S			BU Block	MPSEXPDATA.PERS.OCITY	1 zu 1
145	25	2DS05_OPHONE	Phone number of the real consignee		30	AN	17	S			BU Block	MPSEXPDATA.PERS.OPHONE	1 zu 1
146	26	2DS05_OEMAIL	E-Mail adress of the real consignee		50	AN	17	S			BU Block	MPSEXPDATA.PERS.OEMAIL	1 zu 1
147	27	2DS05_OILN	Sender ILN number (international location number)		13	N	17	S			BU Block	MPSEXPDATA.PERS.OILN	1 zu 1
148	28	2DS05_MSGCOMPLETE	Flag to identify if the all required informations for	1		N	X	F	BU1	indicates whether more characters/data are needed than	BU Block	zu berechnen aus den zu füllenden Feldern 29-48 des BU Block, wenn	

Pos.	Field No	Name 2D Barcode	Description	Max Size	Subfield Max Size	2DB Type	Priority	Field / Sub Field	Mgt Rul	Additional Description	Block	Content	Remark
			notification could be stored in the 2D Barcode							in 2D-Code printable (0=complete; 1=incomplete)		abgeschnitten werden muss, dann 1 sonst 0	
149			MSG1 - notification data 1	56	56		X	F	2, 30		BU Block	n.n.	
150	29	2DS05_MSGTYPE1	notification type 1		1	N	18	S		1= email, 2= telephone, 3= SMS	BU Block	MPSEXPDATA.MSG.MSGTYPE1	1 zu 1
151	30	2DS05_MSGVALUE1	Data for notification 1		50	AN	18	S		e.g. telephone number, email address.	BU Block	MPSEXPDATA.MSG.MSGVALUE1	1 zu 1
152	31	2DS05_MSGRULE1	Rule for which events a notification is issued.		3	N	18	S			BU Block	MPSEXPDATA.MSG.MSGRULE1	1 zu 1
153	32	2DS05_MSGLANG1	Language for proactive notification		2	AN	18	S			BU Block	MPSEXPDATA.MSG.MSGLANG1	1 zu 1
154			MSG2 - notification data 2	56	56		X	F	2, 30		BU Block	n.n.	
155	33	2DS05_MSGTYPE2	notification type 2		1	N	18	S		1= email, 2= telephone, 3= SMS	BU Block	MPSEXPDATA.MSG.MSGTYPE2	1 zu 1
156	34	2DS05_MSGVALUE2	Data for notification 2		50	AN	18	S		e.g. telephone number, email address.	BU Block	MPSEXPDATA.MSG.MSGVALUE2	1 zu 1
157	35	2DS05_MSGRULE2	Rule for which events a notification is issued.		3	N	18	S			BU Block	MPSEXPDATA.MSG.MSGRULE2	1 zu 1
158	36	2DS05_MSGLANG2	Language for proactive notification		2	AN	18	S			BU Block	MPSEXPDATA.MSG.MSGLANG2	1 zu 1
159			MSG3 - notification data 3	56	56		X	F	2, 30		BU Block	n.n.	
160	37	2DS05_MSGTYPE3	notification type 3		1	N	18	S		1= email, 2= telephone, 3= SMS	BU Block	MPSEXPDATA.MSG.MSGTYPE3	1 zu 1
161	38	2DS05_MSGVALUE3	Data for notification 3		50	AN	18	S		e.g. telephone number, email address.	BU Block	MPSEXPDATA.MSG.MSGVALUE3	1 zu 1

Pos.	Field No	Name 2D Barcode	Description	Max Size	Subfield Max Size	2DB Type	Priority	Field / Sub Field	Mgt Rul	Additional Description	Block	Content	Remark
162	39	2DS05_MSGRULE3	Rule for which events a notification is issued.		3	N	18	S			BU Block	MPSEXPDATA.MSG.MSGRULE3	1 zu 1
163	40	2DS05_MSGLANG3	Language for proactive notification		2	AN	X	S	2		BU Block	MPSEXPDATA.MSG.MSGLANG3	1 zu 1
164			MSG4 - notification data 4	56	56		X	F	2, 30		BU Block	n.n.	
165	41	2DS05_MSGTYPE4	notification type 4		1	N	18	S		1= email, 2= telephone, 3= SMS	BU Block	MPSEXPDATA.MSG.MSGTYPE4	1 zu 1
166	42	2DS05_MSGVALUE4	Data for notification 4		50	AN	18	S		e.g. telephone number, email address.	BU Block	MPSEXPDATA.MSG.MSGVALUE4	1 zu 1
167	43	2DS05_MSGRULE4	Rule for which events a notification is issued.		3	N	18	S			BU Block	MPSEXPDATA.MSG.MSGRULE4	1 zu 1
168	44	2DS05_MSGLANG4	Language for proactive notification		2	AN	18	S			BU Block	MPSEXPDATA.MSG.MSGLANG4	1 zu 1
169			MSG5 - notification data 5	56	56		X	F	2, 30		BU Block	n.n.	
170	45	2DS05_MSGTYPE5	notification type 5		1	N	18	S		1= email, 2= telephone, 3= SMS	BU Block	MPSEXPDATA.MSG.MSGTYPE5	1 zu 1
171	46	2DS05_MSGVALUE5	Data for notification 5		50	AN	18	S		e.g. telephone number, email address.	BU Block	MPSEXPDATA.MSG.MSGVALUE5	1 zu 1
172	47	2DS05_MSGRULE5	Rule for which events a notification is issued.		3	N	18	S			BU Block	MPSEXPDATA.MSG.MSGRULE5	1 zu 1
173	48	2DS05_MSGLANG5	Language for proactive notification		2	AN	18	S			BU Block	MPSEXPDATA.MSG.MSGLANG5	1 zu 1
174	49	2DS05_SHIPINFOCOMPLETE	Flag to identify if the all required informations for	1		N	X	F	BU1	indicates whether more characters/data are needed than	BU Block	zu berechnen aus den zu füllenden Feldern 50-53 des BU Block, wenn	

Pos.	Field No	Name 2D Barcode	Description	Max Size	Subfield Max Size	2DB Type	Priority	Field / Sub Field	Mgt Rul	Additional Description	Block	Content	Remark
			ship info could be stored in the 2D Barcode							in 2D-Code printable (0=complete; 1=incomplete)		abgeschnitten werden muss, dann 1 sonst 0	
175			SHIPINFO	150	609		X	F	2, 30		BU Block	n.n.	
176	50	2DS05_ADDSERVICE	Additional Service		4	N	19	S		1= Delivery information, 2= documents return, 3= permission to deposit goods by sender	BU Block	MPSEXPDATA.SHIPINFO.ADDSERVICE	1 zu 1
177	51	2DS05_MSGNO	Message number		5	N	19	S			BU Block	MPSEXPDATA.SHIPINFO.MSGNO	1 zu 1
178	52	2DS05_FUNCTION	Blockable functions		300	AN	19	S			BU Block	MPSEXPDATA.SHIPINFO.FUNCTION	1 zu 1
179	53	2DS05_PARAMETER	Parameter(free text)		300	AN	19	S			BU Block	MPSEXPDATA.SHIPINFO.PARAMETER	1 zu 1
180	54	2DS05_HAZDATACOMPLETE	Flag to identify if the all required informations about dangerous goods could be stored in the 2D Barcode	1		N	X	F	BU1	indicates whether more characters/data are needed than in 2D-Code printable (0=complete; 1=incomplete)	BU Block	zu berechnen aus den zu füllenden Feldern 55-79 des BU Block, wenn abgeschnitten werden muss, dann 1 sonst 0	
181	55	2DS05_HAZPACKUNG	packing code	3		AN	16	F			BU Block	HAZDATA.HAZPACKUNG	1 zu 1
182	56	2DS05_HAZZIELDEP	destination depot	4		AN	16	F			BU Block	HAZDATA.HAZZIELDEP	1 zu 1
183	57	2DS05_HAZVERSDEP	sending depot	4		AN	16	F			BU Block	HAZDATA.HAZVERSDEP	1 zu 1
184			HAZ1 - hazardous substance1	180	358		X	F	2, 30		BU Block	n.n.	
185	58	2DS05_HAZUNNR1	substance indentification UN-No		4	AN	16	S			BU Block	HAZDATA.HAZUNNR1	1 zu 1

Pos.	Field No	Name 2D Barcode	Description	Max Size	Subfield Max Size	2DB Type	Priority	Field / Sub Field	Mgt Rul	Additional Description	Block	Content	Remark
186	59	2DS05_HAZKLASSE1	substance indentification : Class		6	AN	16	S			BU Block	HAZDATA.HAZKLASSE1	1 zu 1
187	60	2DS05_HAZKCODE1	substance indentification : Classification Code		5	AN	16	S			BU Block	HAZDATA.HAZKCODE1	1 zu 1
188	61	2DS05_HAZVGRUPPE1	substance indentification : Packing group		5	AN	16	S			BU Block	HAZDATA.HAZVGRUPPE1	1 zu 1
189	62	2DS05_HAZBEZ1	substance description		160	AN	16	S			BU Block	HAZDATA.HAZBEZ1	1 zu 1
190	63	2DS05_HAZNEBGEF1	substance sub-danger		10	AN	16	S			BU Block	HAZDATA.HAZNEBGEF1	1 zu 1
191	64	2DS05_HAZTBC1	tunnel restriction code		1	AN	16	S			BU Block	HAZDATA.HAZTBC1	1 zu 1
192	65	2DS05_HAZGEW1	weight of this substance		7	N	16	S			BU Block	HAZDATA.HAZGEW1	1 zu 1
193	66	2DS05_HAZEXGEW1	netto weight of the explosive mass of this substance		7	N	16	S			BU Block	HAZDATA.HAZEXGEW1	1 zu 1
194	67	2DS05_HAZFAKTOR1	factor of the substance		3	AN	16	S			BU Block	HAZDATA.HAZFAKTOR1	1 zu 1
195	68	2DS05_HAZNAGTEXT1	Not otherwise named		150	AN	16	S			BU Block	HAZDATA.HAZNAGTEXT1	1 zu 1
196			HAZ2 - hazardous substance2	180	358		X	F	2, 30		BU Block	n.n.	
197	69	2DS05_HAZUNNR2	substance indentification UN-No		4	AN	16	S			BU Block	HAZDATA.HAZUNNR2	1 zu 1
198	70	2DS05_HAZKLASSE2	substance indentification : Class		6	AN	16	S			BU Block	HAZDATA.HAZKLASSE2	1 zu 1
199	71	2DS05_HAZKCODE2	substance indentification : Classification Code		5	AN	16	S			BU Block	HAZDATA.HAZKCODE2	1 zu 1
200	72	2DS05_HAZVGRUPPE2	substance indentification : Packing group		5	AN	16	S			BU Block	HAZDATA.HAZVGRUPPE2	1 zu 1

Pos.	Field No	Name 2D Barcode	Description	Max Size	Subfield Max Size	2DB Type	Priority	Field / Sub Field	Mgt Rul	Additional Description	Block	Content	Remark
201	73	2DS05_HAZBEZ2	substance description		160	AN	16	S			BU Block	HAZDATA.HAZBEZ2	1 zu 1
202	74	2DS05_HAZNEBGEF2	substance sub-danger		10	AN	16	S			BU Block	HAZDATA.HAZNEBGEF2	1 zu 1
203	75	2DS05_HAZTBC2	tunnel restriction code		1	AN	16	S			BU Block	HAZDATA.HAZTBC2	1 zu 1
204	76	2DS05_HAZGEW2	weight of this substance		7	N	16	S			BU Block	HAZDATA.HAZGEW2	1 zu 1
205	77	2DS05_HAZEXGEW2	netto weight of the explosive mass of this substance		7	N	16	S			BU Block	HAZDATA.HAZEXGEW2	1 zu 1
206	78	2DS05_HAZFAKTOR2	factor of the substance		3	AN	16	S			BU Block	HAZDATA.HAZFAKTOR2	1 zu 1
207	79	2DS05_HAZNAGTEXT2	Not otherwise named		150	AN	16	S			BU Block	HAZDATA.HAZNAGTEXT2	1 zu 1
208	80	2DS05_RECEIVERZIPCODE8		8		N	16	F			BU Block	leer	
209	81	2DS05_RECEIVERZIPCODE11		11		N	16	F			BU Block	leer	
210			Format Envelope trailer	1		A	1			<sup>R</sup> <sub>S</sub>	BU Block	Fix Blocktrenner (siehe Spalte additional description)	
211			Message Trailer	1		A	1			<sup>E</sup> <sub>OT</sub>	Barcode-Trailer	Fix Barcodetrailer (siehe Spalte additional description)	

## 11.8 Cutting Algorithms

Calculating the length of the complete stream up to and incl. EOT.

If the length is > 1000 (stream overflow) there is a switch to the cutting algorithm, in other respects the 2D barcode is created from the stream (build).

### Cutting algorithm

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<p><b>1. Station: Rule 2 - SHIPINFO (Pos. 175)</b></p> <ul style="list-style-type: none"> <li>a. Subfields were all empty and the subfield separators were replaced -&gt; continue with Station 2</li> <li>b. Otherwise calculation of length of the SHIPINFO subfields (ADDSERVICE, MSGNO, FUNCTION, PARAMETER) (without field separators) <ul style="list-style-type: none"> <li>Length &gt; 150, then empty all subfields and apply subfield separator rule (No. 30). For empty subfields set <ul style="list-style-type: none"> <li>i. 2DS05_SHIPINFOCOMPLETE = 1 and 2DSTD_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with Station 2, otherwise build.</li> <li>ii. Length &lt;= 150, continue with Station 2</li> </ul> </li> </ul> </li> </ul>
<p><b>2. Station: Rule 2 - MSG5 - notification data 5 (Pos. 169)</b></p> <ul style="list-style-type: none"> <li>a. Subfields were all empty and the subfield separators were replaced -&gt; continue with Station 3</li> <li>b. Otherwise calculation of length of the MSG5 subfields (MSGTYPE5, MSGVALUE5, MSGRULE5, MSGLANG5) (without field separators) <ul style="list-style-type: none"> <li>i. Length &gt; 56, then empty all subfields and apply subfield separator rule (No. 30). For empty subfields set 2DS05_MSGCOMPLETE = 1 and 2DSTD_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with Station 3, otherwise build.</li> <li>ii. Length &lt;= 56, continue with Station 3</li> </ul> </li> </ul>
<p><b>3. Station: Rule 2 - MSG4 - notification data 4 (Pos. 164)</b></p> <ul style="list-style-type: none"> <li>a. Subfields were all empty and the subfield separators were replaced -&gt; continue with Station 4</li> <li>b. Otherwise calculation of length of the MSG4 subfields (MSGTYPE4, MSGVALUE4, MSGRULE4, MSGLANG4) (without field separators) <ul style="list-style-type: none"> <li>i. Length &gt; 56, then empty all subfields and apply subfield separator rule (No. 30). For empty subfields set 2DS05_MSGCOMPLETE = 1 and 2DSTD_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with Station 4, otherwise build.</li> <li>ii. Length &lt;= 56, continue with Station 4</li> </ul> </li> </ul>
<p><b>4. Station: Rule 2 - MSG3 - notification data 3 (Pos. 159)</b></p> <ul style="list-style-type: none"> <li>a. Subfields were all empty and the subfield separators were replaced -&gt; continue with Station 5</li> <li>b. Otherwise calculation of length of the MSG3 subfields (MSGTYPE3, MSGVALUE3, MSGRULE3, MSGLANG3) (without field separators) <ul style="list-style-type: none"> <li>i. Length &gt; 56, then empty all subfields and apply subfield separator rule (No. 30). For empty subfields set 2DS05_MSGCOMPLETE = 1 and 2DSTD_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with Station 5, otherwise build.</li> <li>ii. Length &lt;= 56, continue with Station 5</li> </ul> </li> </ul>
<p><b>5. Station: Rule 2 - MSG2 - notification data 2 (Pos. 154)</b></p> <ul style="list-style-type: none"> <li>a. Subfields were all empty and the subfield separators were replaced -&gt; continue with Station 6</li> <li>b. Otherwise calculation of length of the MSG2 subfields (MSGTYPE2, MSGVALUE2, MSGRULE2, MSGLANG2) (without field separators) <ul style="list-style-type: none"> <li>i. Length &gt; 56, then empty all subfields and apply subfield separator rule (No. 30). For empty subfields set 2DS05_MSGCOMPLETE = 1 and 2DSTD_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with Station 6, otherwise build.</li> <li>ii. Length &lt;= 56, continue with Station 6</li> </ul> </li> </ul>



**6. Station: Rule 2 - MSG1 - notification data 1 (Pos. 149)**

- a. Subfields were all empty and the subfield separators were replaced -> continue with Station 7
- b. Otherwise calculation of length of the MSG1 subfields (MSGTYPE1, MSGVALUE1, MSGRULE1, MSGLANG1) (without field separators)
  - i. Length > 56, then empty all subfields and apply subfield separator rule (No. 30). For empty subfields set 2DS05\_MSGCOMPLETE = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with Station 7, otherwise build.
  - ii. Length <= 56, continue with Station 7

**7. Station: Rule 2 - PERSDELIVERY (Pos. 135)**

- a. Subfields were all empty and the subfield separators were replaced -> continue with Station 8
- b. Otherwise calculation of length of the O-xxx subfields (ODEPOT, ONAME1, ONAME2, OSTREET, OHOUSENO, OCOUNTRYN, OSTATE, OPOSTAL, OCITY, OPHONE, OEMAIL, OILN) (without field separators)
  - i. Length > 117, then empty OILN. For empty subfields set PERSCOMPLETE = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next subfield, otherwise build.
  - ii. Length > 117, then empty OEMAIL. For empty subfields set PERSCOMPLETE = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next subfield, otherwise build.
  - iii. Length > 117, then empty OPHONE. For empty subfields set PERSCOMPLETE = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next subfield, otherwise build.
  - iv. Length > 117, then empty OSTATE. For empty subfields set PERSCOMPLETE = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next subfield, otherwise build.
  - v. Length > 117, then empty OHOUSENO. For empty subfields set PERSCOMPLETE = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next subfield, otherwise build.
  - vi. Length > 117, then empty ONAME2. For empty subfields set PERSCOMPLETE = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next subfield, otherwise build.
  - vii. Length > 117, then empty ODEPOT. For empty subfields set PERSCOMPLETE = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with Station 8, otherwise build.
  - viii. Length <= 117, continue with Station 8

**8. Station: Rule 2 - HAZ2 - hazardous substance2 (Pos. 196)**

- a. Subfields were all empty and the subfield separators were replaced -> continue with Station 9
- b. Otherwise calculation of length of the HAZ2 subfields (HAZUNNR2, HAZKLASSE2, HAZKCODE2, HAZVGRUPPE2, HAZBEZ2, HAZNEBGEF2, HAZTBC2, HAZGEW2, HAZEXGEW2, HAZFAKTOR2, HAZNAGTEXT2) (without field separators)
  - i. Length > 180, then empty HAZNAGTEXT2. For empty subfields set HAZDATACOMPLETE = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next subfield, otherwise build.
  - ii. Length > 180, then empty HAZEXGEW2. For empty subfields set HAZDATACOMPLETE = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next subfield, otherwise build.
  - iii. Length > 180, then empty HAZTBC2. For empty subfields set HAZDATACOMPLETE = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next subfield, otherwise build.
  - iv. Length > 180, then empty HAZNEBGEF2. For empty subfields set HAZDATACOMPLETE = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next subfield, otherwise build.
  - v. Length > 180, then empty HAZVGRUPPE2. For empty subfields set HAZDATACOMPLETE = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next subfield, otherwise build.
  - vi. Length > 180, then HAZKCODE2 leeren. For empty subfields set HAZDATACOMPLETE = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with Station 9, otherwise build.
  - vii. Length <= 180, continue with Station 9

**9. Station: Rule 2 - HAZ1 - hazardous substance1 (Pos. 184)**

- a. Subfields were all empty and the subfield separators were replaced -> continue with Station 10
- b. Otherwise calculation of length of the HAZ1 subfields (HAZUNNR1, HAZKLASSE1, HAZKCODE1, HAZVGRUPPE1, HAZBEZ1, HAZNEBGEF1, HAZTBC1, HAZGEW1, HAZEXGEW1, HAZFAKTOR1, HAZNAGTEXT1) (without field separators)
  - i. Length > 180, then empty HAZNAGTEXT1. For empty subfields set HAZDATACOMPLETE = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next subfield, otherwise build.
  - ii. Length > 180, then empty HAZEXGEW1. For empty subfields set HAZDATACOMPLETE = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next subfield, otherwise build.
  - iii. Length > 180, then empty HAZTBC1. For empty subfields set HAZDATACOMPLETE = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next subfield, otherwise build.
  - iv. Length > 180, then empty HAZNEBGEF1. For empty subfields set HAZDATACOMPLETE = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next subfield, otherwise build.
  - v. Length > 180, then empty HAZVGRUPPE1. For empty subfields set HAZDATACOMPLETE = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next subfield, otherwise build.
  - vi. Length > 180, then empty HAZKCODE1. For empty subfields set HAZDATACOMPLETE = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with Station 9, otherwise build.
  - vii. Length <= 180, continue with Station 10

**10. Station: Rule 2 - Article description-5 (Pos. 112)**

- a. Subfields were all empty and the subfield separators were replaced -> continue with Station 11
- b. Otherwise calculation of length of the article5 subfields (CONTENT, Quantity, Weight, CAMOUNTLINE, CTARIF, CORIGIN) (without field separators)
  - i. Length > 45, then empty CORIGIN. For empty subfields set 2DS03\_ComplInformation = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next Subfield, otherwise build.
  - ii. Length > 45, then empty CAMOUNTLINE. For empty subfields set 2DS03\_ComplInformation = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next Subfield, otherwise build.
  - iii. Length > 45, then empty Weight. For empty subfields set 2DS03\_ComplInformation = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next Subfield, otherwise build.
  - iv. Length > 45, then empty Quantity. For empty subfields set 2DS03\_ComplInformation = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with Station 11, otherwise build.
  - v. Length <= 45, continue with Station 11

**11. Station: Rule 2 - Article description-4 (Pos. 105)**

- a. Subfields were all empty and the subfield separators were replaced -> continue with Station 12
- b. Otherwise calculation of length of the article4 subfields (CONTENT, Quantity, Weight, CAMOUNTLINE, CTARIF, CORIGIN) (without field separators)
  - i. Length > 45, then empty CORIGIN. For empty subfields set 2DS03\_ComplInformation = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next subfield, otherwise build.
  - ii. Length > 45, then empty CAMOUNTLINE. For empty subfields set 2DS03\_ComplInformation = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next subfield, otherwise build.
  - iii. Length > 45, then empty Weight. For empty subfields set 2DS03\_ComplInformation = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next Subfield, otherwise build.
  - iv. Length > 45, then Quantity. For empty subfields set 2DS03\_ComplInformation = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with Station 11, otherwise build.
  - v. Length <= 45, continue with Station 12

**12. Station: Rule 2 - Article description-3 (Pos. 98)**

- a. Subfields were all empty and the subfield separators were replaced -> continue with Station 13
- b. Otherwise calculation of length of the article3 subfields (CONTENT, Quantity, Weight, CAMOUNTLINE, CTARIF, CORIGIN) (without field separators)
  - i. Length > 45, then empty CORIGIN. For empty subfields set 2DS03\_ComplInformation = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next Subfield, otherwise build.
  - ii. Length > 45, then empty CAMOUNTLINE. For empty subfields set 2DS03\_ComplInformation = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next Subfield, otherwise build.
  - iii. Length > 45, then empty Weight. For empty subfields set 2DS03\_ComplInformation = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next Subfield, otherwise build.
  - iv. Length > 45, then empty Quantity. For empty subfields set 2DS03\_ComplInformation = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with Station 11, otherwise build.
  - v. Length <= 45, continue with Station 13

**13. Station: Rule 2 - Article description-2 (Pos. 91)**

- a. Subfields were all empty and the subfield separators were replaced -> continue with Station 14
- b. Otherwise calculation of length of the article2 subfields (CONTENT, Quantity, Weight, CAMOUNTLINE, CTARIF, CORIGIN) (without field separators)
  - i. Length > 45, then empty CORIGIN. For empty subfields set 2DS03\_ComplInformation = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next Subfield, otherwise build.
  - ii. Length > 45, then empty CAMOUNTLINE. For empty subfields set 2DS03\_ComplInformation = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next Subfield, otherwise build.
  - iii. Length > 45, then empty Weight. For empty subfields set 2DS03\_ComplInformation = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next Subfield, otherwise build.
  - iv. Length > 45, then empty Quantity. For empty subfields set 2DS03\_ComplInformation = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with Station 11, otherwise build.
  - v. Length <= 45, continue with Station 14

**14. Station: Rule 2 - Article description-1 (Pos. 84)**

- a. Subfields were all empty and the subfield separators were replaced -> continue with Station 15
- b. Otherwise calculation of length of the article1 subfields (CONTENT, Quantity, Weight, CAMOUNTLINE, CTARIF, CORIGIN) (without field separators)
  - i. Length > 45, then empty CORIGIN. For empty subfields set 2DS03\_ComplInformation = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next Subfield, otherwise build.
  - ii. Length > 45, then empty CAMOUNTLINE. For empty subfields set 2DS03\_ComplInformation = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next Subfield, otherwise build.
  - iii. Length > 45, then empty Weight. For empty subfields set 2DS03\_ComplInformation = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next Subfield, otherwise build.
  - iv. Length > 45, then empty Quantity. For empty subfields set 2DS03\_ComplInformation = 1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with Station 11, otherwise build.
  - v. Length <= 45, continue with Station 15

**15. Station: Rule 2 - Sender Information (Pos. 49) and Rule 3**

- a. Subfields were all empty and the subfield separators were replaced -> continue with Station 16
- b. Otherwise,
  - i. In the case of non-customs parcels remove the complete sender block from 07S010 to RS separator. Set 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with Station16, otherwise build.
  - ii. In the case of customs parcels calculation of length of SENDER subfields (SENDER\_NAME1, SENDER\_PHONE, SENDER\_CONTACT, SENDER\_HOUSENO, SENDER\_STREET, SENDER\_NAME2, SENDER\_CITY, SENDER\_POSTAL, SENDER\_COUNTRYN) (without field separators)
    - 1. Length > 140, then empty SENDER\_CONTACT. For empty subfields set 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next Subfield, otherwise build.
    - 2. Length > 140, then empty SENDER\_PHONE. For empty subfields set 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next Subfield, otherwise build.
    - 3. Length > 140, then empty SENDER\_NAME2. For empty subfields set 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with Station16, otherwise build.
    - 4. Length <= 140, continue with Station 16

**16. Station: Rule 2 - Receiver Information (Pos. 25)**

- a. Subfields were all empty and the subfield separators were replaced -> continue with Station 17
- b. Otherwise calculation of length of the RECEIVER subfields (RECEIVER\_COMMENT, RECEIVER\_NAME2, RECEIVER\_CONTACT, RECEIVER\_PHONE, RecContactPho2, PAN\_MSGVALUE1-5, PAN\_MSGVALUE1-5, RECEIVER\_HOUSENO, RecAdd2, RecAdd3) (without field separators)
  - i. Length > 150, then empty RECEIVER\_HOUSENO (but in the case of customs, note this for Station 17.). For empty subfields set 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next Subfield, otherwise build.
  - ii. Length > 150, then empty RECEIVER\_CONTACT (but in the case of customs, note this for Station 17.). For empty subfields set 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next Subfield, otherwise build.
  - iii. Length > 150, then empty RecContactPho2. For empty subfields set 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next Subfield, otherwise build.
  - iv. Length > 150, then empty RECEIVER\_NAME2 (but in the case of customs, note this for Station 17.). For empty subfields set 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next Subfield, otherwise build.
  - v. Length > 150, then empty RECEIVER\_COMMENT. For empty subfields set 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next Subfield, otherwise build.
  - vi. Length > 150, then empty RecAdd2. For empty subfields set 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next Subfield, otherwise build.
  - vii. Length > 150, then empty RecAdd1. For empty subfields set 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with Station17, otherwise build.
  - viii. Length <= 150, continue with Station 17

**17. Station: Rule 14 (extended to ISO block and STD block)**

- a. If there is stream overflow, compare invoice address with receiver
  - (INTER\_CNAME1 [bzw. 2DS03\_ComBillRecName] = RECEIVER\_NAME1 [2DISO\_RecCompName1]) &
  - (INTER\_CHOUSENO [2DS03\_ComBillRecPropNum] = RECEIVER\_HOUSENO [2DSTD\_RecPropNum]) &
  - (INTER\_CSTREET [2DS03\_ComBillRecStreet] = RECEIVER\_STREET [2DISO\_RecStreet]) &
  - (INTER\_CCITY [2DS03\_ComBillRecCity] = RECEIVER\_CITY [2DISO\_RecTown]) &
  - (INTER\_CCOUNTRYN [2DS03\_ComBillRecCountryCode] = RECEIVER\_COUNTRYN [2DISO\_DestCountryCode]) &
  - (INTER\_CPOSTAL [2DS03\_ComBillRecZipCode] = RECEIVER\_POSTAL [2DISO\_DestZipCode]) &
  - (INTER\_CCONTACT [2DS03\_ComBillRecContact] = RECEIVER\_CONTACT [2DSTD\_RecContact]) &
  - (INTER\_CPHONE [2DS03\_ComBillRecPhone] = RECEIVER\_PHONE [2DSTD\_RecContactPho1])
  - i. = True, then empty all these INTER fields (INTER\_CNAME1, INTER\_CHOUSENO, INTER\_CSTREET, INTER\_CCITY, INTER\_CCOUNTRYN, INTER\_CPOSTAL, INTER\_CCONTACT, INTER\_CPHONE). Set 2DS03\_Complnformation =1 and 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with Station 18, otherwise build.
  - ii. =False, continue with Station 18

<p><b>18. Station: Rule 15</b></p> <p>a. If there is stream overflow compare  INTER_CCOUNTRYN [bzw. 2DS03_ComBillRecCountryCode] = RECEIVER_COUNTRYN [2DISO_DestCountryCode]</p> <p>i. = True, then empty INTER_CCOUNTRYN. Set 2DS03_ComplInformation =1 and 2DSTD_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with Station 19, otherwise build.</p> <p>ii. = False, continue with Station 19</p>
<p><b>19. Station: Rule 16 (only works in the case of multi-parcel shipments for parcels 2-n - in other words unequal 1/n)</b></p> <p>a. Only for parcel 2-n: If there is stream overflow remove complete customs block from 07S030 to RS separator. Set 2DSTD_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with Station 20, otherwise build.</p> <p>b. otherwise and for parcel 1/n, continue with Station 20</p>
<p><b>20. Station: Rule 18 (only works in the case of customs parcels for parcel 1/n)</b></p> <p>a. If there is stream overflow remove all content from article description 5 and apply subfield separator rule (No. 30). Set 2DS03_ComplInformation =1 and 2DSTD_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next article, otherwise build.</p> <p>b. If there is stream overflow remove all content from article description 4 and apply subfield separator rule (No. 30). Set 2DS03_ComplInformation =1 and 2DSTD_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next article, otherwise build.</p> <p>c. If there is stream overflow remove all content from article description 3 and apply subfield separator rule (No. 30). Set 2DS03_ComplInformation =1 and 2DSTD_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next article, otherwise build.</p> <p>d. If there is stream overflow remove all content from article description 2 and apply subfield separator rule (No. 30). Set 2DS03_ComplInformation =1 and 2DSTD_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next article, otherwise build.</p> <p>e. If there is stream overflow remove all content from article description 1 and apply subfield separator rule (No. 30). Set 2DS03_ComplInformation =1 and 2DSTD_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with Station 21, otherwise build.</p> <p>f. otherwise, continue with Station 21</p>
<p><b>21. Station: Rule 19 (only works in the case of multi-parcel shipments for parcels 2-n - in other words unequal 1/n)</b></p> <p>a. Only for parcel 2-n: If there is stream overflow remove content of MPSWEIGHT [2DSTD_TotalWeight]. For empty subfields set 2DSTD_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with Station 22, otherwise build.</p> <p>b. otherwise and for parcel 1/n, continue with Station 22</p>
<p><b>22. Station: grouping Rule BU1 and BU2.</b></p> <p>a. If there is stream overflow the complete BU block is removed, from 07S050 to RS separator. Set 2DSTD_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with Station 23, otherwise build.</p>

**23. Station: cut Prio 10, to be applied as follows for all fields:**

- a. If there is stream overflow remove content of von SCUSTID [2DISO\_CustAccNumber]. For empty subfields set 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with Station 24, otherwise build.

**24. Station: cut Prio 5, to be applied as follows for all fields:**

- a. If there is stream overflow remove content of von MPSCREF2 [2DSTD\_ConsCustRef2]. For empty subfields set 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next Feld, otherwise build.
- b. If there is stream overflow remove content of von MPSCREF1 [2DISO\_ConsCustRef1]. For empty subfields set 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next Feld, otherwise build.
- c. If there is stream overflow remove content of von REFERENCE2 [2DSTD\_RecParcelRef]. For empty subfields set 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with next Feld, otherwise build.
- d. If there is stream overflow remove content of von REFERENCE1 [2DSTD\_SendParcelRef]. For empty subfields set 2DSTD\_BarcodeOF = 1. New calculation of stream. If there is stream overflow continue with Station 25, otherwise build.

**25. There should now be no more stream overflow, because nothing more can be cut.**