LABELS MONDIAL RELAY V2.2

Change History

Version	Version date	Comments
V-1.0	February 2015	Labels normalisation
V-2.0	April 2017	Tests and Validations process
V-2.1	November 2018	Agencies listing update
V-2.2	October 2020	Fixes

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Introduction

This specifications file is a complement of the technical solution that you have chosen. This file describes all the developments, tests and validation of the labels generated for the EDI solution and WebService method WSI2_CreationExpédition.

Compliance with this file is mandatory as the quality of the label and bar code impact the operational operation and process.

Basic rules

The label contains the main data to ensure the delivery process.

- Printing must be done on **a white label**. With a format: **10x15 or A5**
- Inbound labels' size (LCC) must be equal, at least, than the outbound shipment ones.
- Labels for France, Belgium and Luxembourg must be in French or English
- Labels for Spain must be in Spanish
- Labels for other countries must be in English
- Labels must be affixed to the largest side of the parcel

The barcode

Specifications

- Length : 26 digits
- Typology : Code 128
- Module : 0.42mm to 0.5mm.
- Dimensions :

Barcode width (including quiet zones)*	84 - 90mm
Barcode height	20 - 25mm

** the ITF code (2 of 5 interlaced) is also permitted*
For the dimensions of the ITF Bar Code, silencing zones are not included

Barcode content

Information	Number of digits	Comment
Brand	2	Constant defined by Mondial Relay
Shipment number	8	According to the range of shipment number defined by Mondial Relay
Parcel sequence	2	Sequence of parcel of shipment
Number of parcel	2	Total of parcels of shipment
Control digit	1	See the calculation of control digits
Agency code	4	Corresponds to MODEXP (in the sorting plan file)
Service code	1	Corresponds to SERVICE (example : 3 for the delivery mode 24R or DRI)
Run number	5	Corresponds to DIRECTION (in the sorting plan file)
Control digit	1	See the calculation of control digits

The 26 digits barcode number must be displayed as in the following example:
XX XXXXXXXX XXXX X XXXX X XXXXX X

Control digits

The first control digit is calculated on the first 14 digits, namely, the brand, the shipment number, the parcel sequence and the number of parcel.

The second control digit is calculated on the last 10 digits, namely, the agency code, the service code, and the run number.

It's a control character: base 11, calculated as in the following example:

Example with the barcode « **12123456780101X0662312345Y** » where X and Y are the 2 control digits to calculate:

"Y" calculation:

The Y calculation is based on the second part of the barcode (**0662312345)**. You must use a series of multipliers from 2 to 7 and beginning by the end of the barcode as in the below table:

Barcode (beginning from the end)	Multipliers	Result
5	2	10
4	3	12
3	4	12
2	5	10
1	6	6
3	7	21
2	2	4
6	3	18
6	4	24
0	5	0

Then you add all results (S)

- S = 10+12+12+10+6+21+4+18+24+0=117

Then you divide the sum (S) by 11 and keep the rest (R) :

- D = 117 / 11 = 10
- R= 7

Finally the control digit Y=11–R

- Y=11-7=4 donc **Y=4**

Nota bene :

- **If Y=10, it should be treated as 0.**
- **Si Y=11, it should be treated as 0.**

"X" calculation:

The method is exactly the same than for Y but with the 1st part of the barcode (**12123456780101).**

Barcode (beginning from the end)	Multipliers	Result
1	2	2
0	3	0
1	4	4
0	5	0
8	6	48
7	7	49
6	2	12
5	3	15
4	4	16
3	5	15
2	6	12
1	7	7
2	2	4
1	3	3

S=2+0+4+0+48+49+12+15+16+15+12+7+4+3=187

D=187/11=17

R=0

X=11-0=11, so **X=0**

Complete barcode:

So the complete barcode is: **12 12345678 0101 0 0662 3 12345 4**

Additional barcode

If you add your own barcode (or QR code) on the label generated with the EDI solution or WebService method WSI2_CreationExpédition. If you want to add a barcode, please send us the barcode specifications so that we can validate it.

Here are the information we need to validate a barcode:

- Type :
- Minimum length ?
- Maximum length ?
- Format ? e.g: AAAAACNNNAAATTTTTC with:
  A=Alphanumeric
  T=Text
  N=Numeric
  C=control digit
- If it includes control digits please give its algorithm.
- Does it include specifics as fixed digits, etc.

Sender data

The sender area must include:

- The brand's name for an outbound shipment or the final customer's name for an inbound shipment.
- The complete shipper address. If the shipper is the final customer (inbound shipments), then his own address is expected in this area.

Consignee's data

In the case of a 24R, 24L or DRI delivery:

- « Adresse du destinataire 1 » : It's the consignee's name and surname
- « Adresse du relais » (1 à 4) + « CP » and « ville » : It's the address of the PUDO (Point Relais®)
- « Téléphone » : it's a phone number (optional)
- « Données Complémentaires » : it's additional data, example, order number, or customer number (optional)

In the case of a LD1, LDS, HOM or LCC delivery:

- « Adresse du destinataire 1 » : It's the consignee's name and surname OR for a reverse (LCC) the commercial wording
- « Adresse du destinataire » (2 à 4) + « CP » et « ville » :It's the address of delivery
- « Téléphone » : it's a phone number (optional)
- « Données Complémentaires » : it's additional data, example, order number, or customer number (optional)
-

Shipment data

The following characteristics of the shipment should appear in the following order on the label:

- Shipment number (8 digits)
- Date of receipt of parcel by Mondial Relay
- Collection agency (Agency ID regarding the collection address zip code and the LCC sorting plan)
- Weight (kg)
- Volume of shipment (Liters). If the volume is unknown, fill « NC »
- The parcel sequence and the parcel number. (example: 1/1)

For reverse shipments (reverse), we expect:

- Validity date of the reverse shipment (date of the pre advice file + 90 days)

Among the features of shipments, there are some shipments with and other without C.O.D (cash on delivery). On the label, it should appear the words : « C.O.D.» with the amount in €uros with the currency with a bold font (0€ if there is no C.O.D.) The word « Franco » is allowed in France for shipments without C.O.D. (country code « FR »).

Below this information, it's possible for you to add a line for your additional instructions (order number, delivery point….) for the delivery (example: If missing, contact Mr Smith on 06.20.20.20.20)

Nota Bene: For the reverses (LCC), the sentence « Return label to stick on the original label (if present) » should appear above the barcode.

Sorting arguments

The sorting arguments are provided by the sorting plan and pick-up point files. The sorting arguments should appear in this order:

- Country Code / Group code = CPPAY position 50 / NOGROUP position 28
- Agency Code = MODEXP position 17
- Shuttle code = PRETRI position 31 + NAVETTE position 33
- Run Number = DIRECTION position 22
- Delivery Mode / Sequence number
- Wording agency = chapter « Wording agency »
- Mondial Relay's logo or the words "Mondial Relay".

Agencies name

Agencies names must be displayed on labels. They are provided in the file “agence.txt”.

File header recording

Position	Length	Type	Code	Description
1	1	A	CODFIC	File type 'E' : Agencies file
2	1	A	CODENR	Recording Code '0' File Header
3	3	A	SOCEMET	Sending Company: 'MR '
6	3	A	SOCDEST	Receiving Company: 'CLI'
9	5	N	SEQFIC	Cumulative file sequencing + 1 per file
14	7	N	NBENR	Number of recordings in the file (without header)
21	10	DT	DTTRAN	Transfer date 'DD.MM.YYYY'
31	5	A	VERSION	File version '01.00'
36	45		FILLER	
	81			

Information agencies recording

Position	Length	Type	Code	Description	Comment
1	1	A	CODFIC	File type 'E' : Agencies file	
2	1	A	CODENR	Recording code '1' agency record	
3	2	A	PRTYPF	'AG'	
5	6	N	NUPFD	Agency code	
11	30	A	LIBPFD	Agency name	To be displayed on labels
43	30	A	FILLER		

For your information you'll find below a non-exhaustive list of agencies names. Note that if a code is unknown in your system, the agency name must be blank on the label.

ID agence	Libellé agence	ID agence	Libellé agence
000123	CDT RELABL	000762	CHATEAULIN
000221	CHAMBERY	000814	MONTREUIL
000254	LIEUSAINT	000841	BEAUCHAMP
000265	VALENCE	000930	TREMBLAY
000300	HUB LILLE	003210	ASM Portugal
000301	NICE	003220	PORTUGAL CORREOS EXPRESS
000436	HUB LYON	004010	Barcelona
000511	REIMS	004210	ESPAGNE ASM
000558	NARBONNE	004220	ESPAGNE CORREOS EXPRESS
000600	HENIN BEAUMONT	005199	SAINT BRICE
000603	AJACCIO	005210	MR Belgique
000606	BORDEAUX	005310	BPOST
000637	BRIVE	006610	HERMES DE
000647	TNT Belgique	006620	HERMES IT
000648	MARSEILLE	006630	HERMES AT
000649	TNT Pays Bas	006640	HERMES GB
000655	CAEN	006650	HERMES IE
000662	HEM	006660	POSTNL NL
000676	CLERMONT FERRAND	006670	POSTNORD DK
000677	DIJON	006680	POSTNORD SE
000688	SAINT OUEN L'AUMONE	006690	POSTNORD FI
000715	LYON	006700	HERMES HU
000717	METZ	006710	HERMES SK
000718	MONTPELLIER	006720	HERMES CZ
000719	NANTES	006730	HERMES CH
000720	BLOIS	006740	HERMES LI
000722	RENNES	007210	TNT POST
000729	ROUEN	007240	TSN - Pays-Bas
000737	STRASBOURG	008210	DC POSTAL
000743	TOULOUSE	008701	BARDON
000749	HUB ORLEANS	009220	COLISSIMO
000750	HUB CARBON BLANC		

Tests and Validations

Labels must be tested and validated by the Mondial Relay's technical departments before being used in production. Labels used without validation can cause problems throughout the operational part. (Delays, deliveries ...)

The tests are carried out in two stages:

- The first test, with a PDF label (and the preadvice file for EDI) by email
- The physical test, with a production label (printed by production printers) that you have to send by mail at the address:

Mondial Relay
Service Intégration Technique Clients
9 Avenue Antoine Pinay
PA des 4 vents
59510 Hem
France

The validation consists (for the two tests) in checking the conformity of all the characteristics of this file. (Formatting, content, compliance of information, etc.).

For the physical test, we also check the grade of the bar code which must comply with ISO 15416 « A » or « B ».

Characters size on the label

Area	10x15 label	A5 label
Shipper information		
Sender name	3 - 4mm (bold)	5 - 6mm (bold)
Complete address	2 - 3mm	3 - 5mm
Consignee data		
Adresse destinataire 1	3 - 4mm (bold)	5 - 6mm (bold)
Other address lines	2 - 3mm	3 - 5mm
Phone number	2 - 3mm	3 - 5mm
Additional data	2 - 3mm	3 - 5mm
Informations de l'expédition		
Shipment characteristics	2 - 3mm	3 - 5mm
Validity date (LCC)	3 - 4mm (bold)	5 - 6mm (bold)
COD	3 - 4mm (bold)	5 - 6mm (bold)
Additional instructions	2 - 3mm	3 - 5mm
« Retour à coller sur l'étiquette initiale »	3 - 4 mm	3 - 4 mm
Sorting arguments		
Country code	7 - 8mm (bold)	10 - 12mm (bold)
Group code	5 - 6mm (bold)	8 - 9mm (bold)
Agency code	6 - 7mm (bold)	9 - 10mm (bold)
Presorting code	5 - 6mm (bold)	8 - 9mm (bold)
Shuttle code	5 - 6mm (bold) White on black	8 - 9mm (bold) White on black
Run code	5 - 6mm	8 - 9mm
Delivery mode	7 - 8mm (bold)	10 - 12mm (bold)
Sequence number	5 - 6mm (bold)	8 - 9mm (bold)
Wording agency	6 - 7mm (bold)	9 - 10mm (bold)

Point Relais® Labels (24R, 24L) or Drive (DRI) – French

(Meet the dimensions described in the specifications)

Spanish and english

(Meet the dimensions described in the specifications)

Home deliveries labels (HOM/LD1/LDS) – French

(Meet the dimensions described in the specifications)

NB : if the volume is unknown, write “NC”

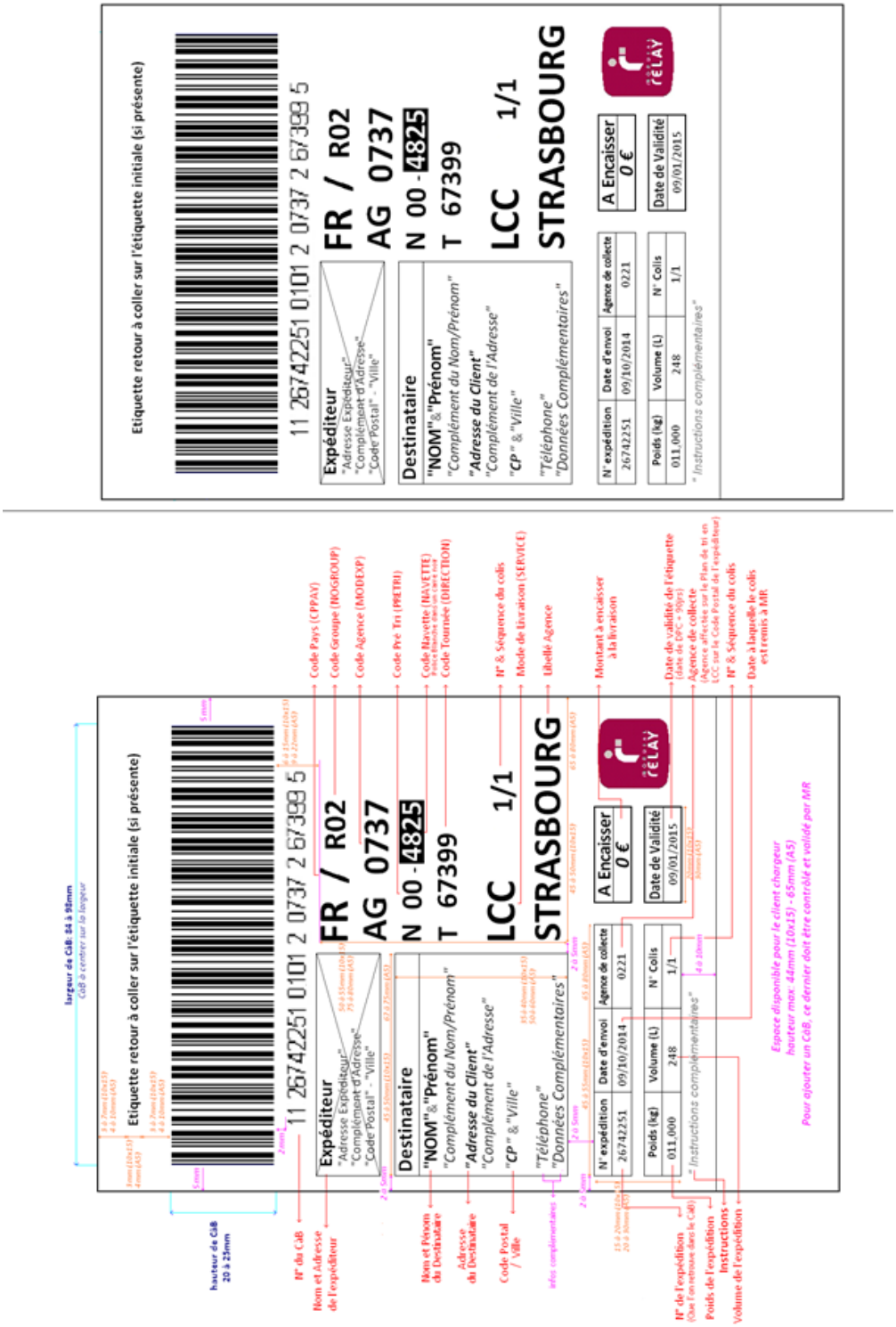
Spanish and english

(Meet the dimensions described in the specifications)

Labels (for reverse LCC) – French

(Meet the dimensions described in the specifications)

NB : if the volume is unknown, write “NC”



Spanish and english