



**Mondial
Relay**



InPost

LABELS MONDIAL RELAY

Version : V-2.4

Date : July 2024



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
V-2.3	July 2022	XOH specification
V-2.4	July 2024	Barcode typology rules

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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, except for flow from/to Italy
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 24L)
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 or 24L 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®)
- For the Italy flow, the field address complement of PUDO is mandatory
- « 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 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
- The return code with format "@XXXX" must be filled
- « 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 (Your sales contact can send you this information)
- 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 Euros 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. The complete list of agencies is transmitted every day via the file agencies.txt

ID agence	Libellé agence	ID agence	Libellé agence
000221	CHAMBERY	000762	CHATEAULIN
000254	LIEUSAIN	000814	MONTREUIL
000265	VALENCE	000841	BEAUCHAMP
000300	HUB LILLE	000930	TREMBLAY
000301	NICE	003210	ASM Portugal
000436	HUB LYON	003220	PORTUGAL CORREOS EXPRESS
000511	REIMS	004010	Barcelona
000558	NARBONNE	004210	ESPAGNE ASM
000600	HENIN BEAUMONT	004220	ESPAGNE CORREOS EXPRESS
000603	AJACCIO	005199	SAINT BRICE
000606	BORDEAUX	005210	MR Belgique
000637	BRIVE	005310	BPOST
000647	TNT Belgique	006610	HERMES DE
000648	MARSEILLE	006620	HERMES IT
000649	TNT Pays Bas	006630	HERMES AT
000655	CAEN	006640	HERMES GB
000662	HEM	006650	HERMES IE
000676	CLERMONT FERRAND	006660	POSTNL NL
000677	DIJON	006670	POSTNORD DK
000688	SAINT OUEN L'AUMONE	006680	POSTNORD SE
000715	LYON	006690	POSTNORD FI
000717	METZ	006700	HERMES HU
000718	MONTPELLIER	006710	HERMES SK
000719	NANTES	006720	HERMES CZ
000720	BLOIS	006730	HERMES CH
000722	RENNES	006740	HERMES LI
000729	ROUEN	007210	TNT POST
000737	STRASBOURG	007240	TSN - Pays-Bas
000743	TOULOUSE	008210	DC POSTAL
000749	HUB ORLEANS	008701	BARDON
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
1 Avenue de l'Horizon
59650 Villeneuve d'Ascq
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 ».

Point Relais® Labels (24R, 24L)- French

(Meet the dimensions described in the specifications)

Diagram illustrating the layout and dimensions of a Point Relais® Label (24R, 24L) in French.

Dimensions:

- largeur de CàB: 84 à 98mm
- CàB à centrer sur la largeur
- hauteur de CàB: 20 à 25mm

Label Fields and Dimensions:

- Barcode:** 11 26742247 0101 6 0662 3 67865 0
 - 3 à 7mm (10x15)
 - 4 à 10mm (A5)
 - 5mm
 - 2mm
 - 6 à 15mm (10x15)
 - 9 à 22mm (A5)
- N° du CàB:** 11 26742247 0101 6 0662 3 67865 0
- Nom et Adresse de l'expéditeur:**
 - Expéditeur
 - "Adresse Expéditeur" (50 à 55mm (10x15) - 75 à 80mm (A5))
 - "Complément d'Adresse"
 - "Code Postal" - "Ville"
- Code Pays (CPPAY):** FR
- Code Groupe (NOGROUP):** / R08
- Code Agence (MODEXP):** AG 0662
- Code Prè Tri (PRETRI):** N 00 - 3395
- Code Navette (NAVETTE):** T 67865 (Police Blanche dans un carré noir)
- Code Tournée (DIRECTION):** 24R
- N° & Séquence du colis:** 1/1
- Mode de Livraison (SERVICE):** HEM
- Libellé Agence:**
- Montant à encaisser à la livraison:** A Encaisser 0 €
- Agence de collecte:** (Agence affectée sur le Plan de tri en LCC sur le Code Postal de l'expéditeur)
- N° & Séquence du colis:** 1/1
- Date à laquelle le colis est remis à MR:**

Destinataire (fixe):

- Nom et Pénom du Destinataire
- Adresse 1 (COLNOM): "Adresse du relais 1"
- Adresse 2 (COLBAT): "Adresse du relais 2"
- Adresse 3 (COLRUE): "Adresse du relais 3"
- Adresse 4 (COLDIT): "Adresse du relais 4"
- Code Postal (CODPOS): "CP relais" & "Ville relais"
- Ville (LIBBP): "Téléphone"
- Infos complémentaires en relation avec le client et sa commande: "Données Complémentaires"

Table 1: Expédition

N° expédition	Date d'envoi	Agence de collecte
26742247	09/10/2014	0221

Table 2: Colis

Poids (kg)	Volume (L)	N° Colis
011,000	248	1/1

Instructions complémentaires:

Espace disponible pour le client chargeur
hauteur max: 50mm (10x15) - 75mm (A5)
Pour ajouter un CàB, ce dernier doit être contrôlé et validé par MR

Mondial Relay

Express flow (XOH) - French

Diagram illustrating the layout and dimensions of an Express flow (XOH) shipping label in French.

Dimensions:

- Largeur de CàB: 84 à 98mm
- CàB à centrer sur la largeur
- hauteur de CàB: 20 à 25mm

Barcode and Tracking Number:

11 26742247 0101 6 0662 3 67865 0

Expéditeur (Sender):

- "Adresse Expéditeur"
- "Complément d'Adresse"
- "Code Postal" - "Ville"

Destinataire (Recipient):

- "NOM" & "Prénom"
- "Adresse du relais 1"
- "Adresse du relais 2"
- "Adresse du relais 3"
- "Adresse du relais 4"
- "CP relais" & "Ville relais"
- "Téléphone"
- "Données Complémentaires"

Code Pays (CPPAY): FR / R08

Code Groupe (NOGROUP): AG 0662

Code Agence (MODEXP): N 00 - 3395

Code Pré Tri (PRETRI): T 67865

Code Navette (NAVETTE): Police Blanche dans un carré noir

Code Tournée (DIRECTION): XOH

N° & Séquence du colis: 1/1

Mode de Livraison (SERVICE): HEM

Libellé Agence: A Encaisser

Montant à encaisser à la livraison: 0 €

Agence de collecte: (Agence affectée sur le Plan de tri en LCC sur le Code Postal de l'expéditeur)

N° & Séquence du colis: 1/1

Date à laquelle le colis est remis à MR:

Tableau des données d'expédition:

N° expédition	Date d'envoi	Agence de collecte
26742247	09/10/2014	0221

Poids (kg)	Volume (L)	N° Colis
011,000	248	1/1

Instructions complémentaires:

Espace disponible pour le client chargeur:

hauteur max: 50mm (10x15) - 75mm (A5)

Pour ajouter un CàB, ce dernier doit être contrôlé et validé par MR

Labels (for reverse LCC) – French

(Meet the dimensions described in the specifications)

NB : if the volume is unknown, write "NC"

largeur de CdB: 84 à 98mm
CdB à centrer sur la largeur

hauteur de CdB: 20 à 25mm

Etiquette retour à coller sur l'étiquette initiale (si présente)

3 à 7mm (10x15)
4 à 10mm (A5)

3 à 7mm (10x15)
4 à 10mm (A5)

5mm

2mm

11 26742251 0101 2 0737 2 67399 5

N° du CdB

Nom et Adresse de l'expéditeur

Expéditeur

"Adresse Expéditeur"

"Complément d'Adresse"

"Code Postal" - "Ville"

50 à 55mm (10x15)
75 à 80mm (A5)

2 à 5mm

45 à 50mm (10x15)
67 à 75mm (A5)

FR / R02

AG 0737

N 00 - 4825

T 67399

Code Pays (CPPAY)

Code Groupe (HOGROUP)

Code Agence (MODEXP)

Code Pré Tri (PRETRI)

Code Navette (NAVETTE)
Police Blanche dans un cadre noir

Code Tournée (DIRECTION)

LCC 1/1

STRASBOURG

N° & Séquence du colis

Mode de Livraison (SERVICE)

Libellé Agence

Montant à encaisser à la livraison

A Encaisser 0 €

Date de Validité 09/01/2015

Date de validité de l'étiquette (date de DPC + 90jrs)

N° de l'expédition (Que l'on retrouve dans le CdB)

Poids de l'expédition

Volume de l'expédition

N° expédition 26742251

Date d'envoi 09/10/2014

Agence de collecte 0221

Poids (kg) 011,000

Volume (L) 248

N° Colis 1/1

Instructions complémentaires

Agence de collecte (Agence affectée sur le Plan de tri en LCC sur le Code Postal de l'expéditeur)

N° & Séquence du colis

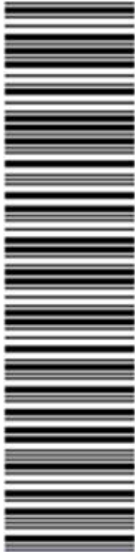
Date à laquelle le colis est remis à MR

Espace disponible pour le client chargeur
hauteur max: 44mm (10x15) - 65mm (A5)
Pour ajouter un CdB, ce dernier doit être contrôlé et validé par MR

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		11 26742247 0101 6 0662 3 67865 0	
Expéditeur "Adresse Expéditeur" "Complément d'Adresse" "Code Postal" - "Ville"		FR / R08 AG 0662 N 00 - 3395 T 67865 24R 1/1 HEM	
Destinataire "NOM" & "Prénom" "Adresse du relais 1" "Adresse du relais 2" "Adresse du relais 3" "Adresse du relais 4" "CP relais" & "Ville relais" "Téléphone" "Données Complémentaires"			
N° d'expédition 26742247	Fecha de envío 09/10/2014	Agencia de Cobros 0221	
A Cobrar 0 €			
Peso (kg) 011.000	Volumen (L) 248	N° Paquette 1/1	
* Instruccions complementàries *			



		11 26742247 0101 6 0662 3 67865 0	
Expéditeur "Adresse Expéditeur" "Complément d'Adresse" "Code Postal" - "Ville"		FR / R08 AG 0662 N 00 - 3395 T 67865 24R 1/1 HEM	
Consignee "NOM" & "Prénom" "Adresse du relais 1" "Adresse du relais 2" "Adresse du relais 3" "Adresse du relais 4" "CP relais" & "Ville relais" "Téléphone" "Données Complémentaires"			
No. Shipment 26742247	Sending Date 09/10/2014	Collection Agency 0221	C.O.D. 0 €
Weight (kg) 011.000		Volume (L) 248	No. Parcel 1/1
* Instruccions complementàries *			

