

## CONTENT OF BARCODE 128

### USED TO IDENTIFICATION THE INTERNATIONAL POSTAL ITEMS

Basic structure of **barcode 128** used to identification the international postal items:

Initial character B	Data field	Control character	Final character
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#### 1. Structure of barcode 128 in data field.

Barcode 128 includes 13 characters of data and is made by computer system according to structure as below:

Kind of consignment	Unique number of consignment	Check digit	Country of shipment
AA	S3 - S10	K	BB

- The kind of consignments is described by letters in field „**Kind of consignment**“:
  - letters „CP” mean registered international postal parcel,
  - letters „RR” mean registered international consignment,
  - letters „VV” mean registered international consignment with a declared value,
  - letters „CR” mean registered international postal parcel to Germany,
  - letters „CZ” mean registered international postal parcel to UE,
  - letters „LX” mean Global Expres consignment,
- Digits in field „**Unique number of consignment**” in positions from S3 to S10 create unique eight-digit number of consignment.
- Check digit contained in field: „**Check digit**” is calculated automatically by algorithm:

Digits in positions from 3 to 10 are multiplied by digits: 8,6,4,2,3,5,9,7. Results are summarized and final sum is divided by 11. If the rest of dividing is equal to:

- 0, check digit is 5,
- 1, check digit is 0,
- in other cases, the check digit is the result of subtracting from 11 the rest.

- Field „**Country of shipment**” contained the country of shipment marked by letters which are the country code (national prefix). For Poland – PL.

#### Example: calculating of check digit:

Number without check digit	1	9	8	6	5	1	2	1	
Multiply by	x 8	x 6	x 4	x 2	x 3	x 5	x 9	x 7	
The sum	8 +	54 +	32 +	12 +	15 +	5 +	18 +	7	= 151
The sum 151 is divided by 11. The result is equal to 13 and the rest is 8.									
11 less 8 is equal to 3: check digit is 3									
Number with check digit	1	9	8	6	5	1	2	1	3

**2. Example: Barcode for form: RR 02 420 091 1 PL**

