Deutsche Bank

Layout Description: CNAB 240 Collection

Version 1.1 – April 2015
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Summary

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1. Introduction

Deutsche Bank adopts the exchange of electronic information to add convenience, speed and security to your business in the product collection.

To avoid any misunderstandings, we will be referring to "Remittance" as the files sent by the customer to Deutsche Bank and "Return" as the files sent by Deutsche Bank to the customer.

Remittance files are designed to send information to the bank, such as entry of new titles, instructions for portfolio titles, etc.

Return files exhibit information such as confirmation of actions requested by the customer to the bank. Also, return files display occasional rejections and additional information, which may vary according to each type of collection and action (inclusion/instruction) taken by the customer.

Each product/service demands different information for its processing. Within CNAB240's layout possibilities, information is separated by operation categories. This manual intends to provide our customers information to enable the information exchange through this bank collection method (boleto emission).

Thus, the file formatted according to the layout can be inserted into the system that processes the information and enables the execution of operations. Therefore it is essential that the file follows the proposed format, in this case CNAB 240.

2. FEBRABAN's CNAB 240 Layout

CNAB 240 is a layout file defined by FEBRABAN, in order to facilitate the exchange of information between Banks and Enterprises. It can be used for any kind of product / banking services that allows the file exchange with clients.

For each type of service, this standard defines a range of different types of fields to support it.

Each file consists of a Header Record, a Service Bulk and a Trailer Record. A single file can contain more than one Service Bulk.

CNAB 240 files must follow some specific layout rules, for example:

- Alphanumeric (Picture X): Aligned on the left with blanks to the right. Preferably all characters must be uppercase. It is advisable NOT to use special characters ("Ç", "É", "À", "Ü", '&", "?", "£", "$", etc.). Unutilized fields must be filled with whites.

  - Numeric (Picture 9): Aligned to the right with ZEROS to the left. Unutilized fields must be filled with zeros.

    - Assumed comma (Picture V): Indicates the comma position in a numeric field. Example: A field with the picture "9(7)V9(2)", the number "1113,12", will be represented as the following: 000111312.

    - Example: Picture a field with "9(7)V9(2)", the number "1113,12", will be represented as the following manner 000111312

- Date and Time: Every date field must follow the DDMMYYYY or HHMMSS formats where:

  - D = Day
  - M = Month
  - Y = Year
  - H = Hour
  - M = Minute
  - S = Second

- Remittance Nomenclature: The file should be named as **DrawerCode_CNYYYYMMDD*.rem**, where the Drawer Code = 000 + Current Account totalling 10 positions, separated from any other information by a _CN (underscore "CN" upper or lower case), YYYY=Year, MM=Month and DD=Day, followed by a numeric sequence.

- Settlement Nomenclature: Files returned via host-to-host will follow the following pattern: **DrawerCodecnYYYYMMDD.ret**, where the Drawer Code = 000 + Current Account totalling 10 positions. Files obtained via download through the website provided by the bank (e-Collection) will follow the same pattern.

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3. File Header (Remittance/Return)

Field's Name	Initial	Final	Format	Digit Number	Picture	Observation	Expected Value
Bank Code	1	3	NUM	3	9(03)	Bank Code in the Clearing House	487
Service Bulk	4	7	NUM	4	9(04)	The field should be filled with the number "0000"	0000
Register Type	8	8	NUM	1	9(01)	The field should be filled with the number "0"	0
Filler	9	17	ALFA	9	X(09)	The field should be filled with BLANKS or ZEROS	
Beneficiary's Tax ID indicator	18	18	NUM	1	9(01)	The field should be filled with "1" for CPF (Individual Tax ID) or "2" for CGC/CNPJ (Corporate Tax ID).	1 or 2
Beneficiary's Tax ID	19	32	NUM	14	9(14)	Beneficiary's CPF (Individual Tax ID) or CNPJ (Corporate Tax ID)	
Filler	33	52	ALFA	20	X(20)	The field should be filled with BLANKS	
Agency	53	57	NUM	5	9(05)	Agency Code	00001
Filler	58	58	NUM	1	9(01)	The field should be filled with ZEROS	
Customer agreement number	59	68	NUM	10	9(10)	The field should be filled with the number of the company's agreement.	
Filler	69	72	ALFA	4	X(04)	The field should be filled with BLANKS	
Company Name	73	102	ALFA	30	X(30)	Beneficiary's company name	
Bank Name	103	132	ALFA	30	X(30)	Bank Name	DEUTSCHE BANK
Filler	133	142	ALFA	10	X(10)	The field should be filled with BLANKS or ZEROS	
Remittance Code/ Return	143	143	NUM	1	9(01)	The field should be filled with the number "1" for Remittance and "2" for Return	
File Date	144	151	NUM	8	9(08)	File's Generation Date in the DDMMYYYY format	
File Time	152	157	NUM	6	9(06)	File's Generation Time in the HHMMSS format	
File's	158	163	NUM	6	9(06)	File's sequential number	

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Field's Name	Initial	Final	Format	Digit Number	Picture	Observation	Expected Value
Sequential Number							
Layout Version	164	166	NUM	3	9(03)	We suggest the values "050" or "082" although this information is not validated by Deutsche Bank	
Recording Density	167	171	NUM	5	9(05)	The field should be filled with the file's recording density, "01600" or "06250"	Information is not mandatory in the remittance file, however it is available in the return file
Bank's Usage	172	191	ALFA	20	X(20)	Free Field for bank's purposes	
Enterprise's usage	192	211	ALFA	20	X(20)	Free Field for enterprise's purposes	
Filler	212	240	ALFA	29	X(29)	The field should be filled with BLANKS	

4. Bulk Header (Remittance/Return)

Field's Name	Initial	Final	Format	Digit Number	Picture	Observation	Expected Value
Bank Code	1	3	NUM	3	9(03)	Bank Code in the Clearing House	487
Service Bulk	4	7	NUM	4	9(04)	Sequential number for Service Bulk identification	
Register Identification	8	8	NUM	1	9(01)	The field should be filled with the number "1"	1
Operation Type	9	9	ALFA	1	X(01)	The field should be filled with "R" if Remittance file or with "T" if Return file.	R or T
Service Type	10	11	NUM	2	9(02)	The field should be filled with the number "01"	01
Filler	12	13	ALFA	2	X(02)	The field should be filled with BLANKS or ZEROS	

Layout Version	14	16	NUM	3	9(03)	The field should be filled with 042 (REM) and 020 (RET)	042 (REM) 020 (RET)
Filler	17	17	ALFA	1	X(02)	The field should be filled with BLANKS or ZEROS	
Beneficiary's Tax ID indicator	18	18	NUM	1	9(01)	The field should be filled with "1" for CPF (Individual Tax ID) or "2" for CGC/CNPJ (Corporate Tax ID).	1 or 2
Beneficiary's Tax ID	19	33	NUM	15	9(15)	Beneficiary's CPF (Individual Tax ID) or CNPJ (Corporate Tax ID)	
Filler	34	53	ALFA	20	X(20)	The field should be filled with BLANKS	
Agency	54	58	NUM	5	9(05)	Agency's Code in the Clearing House	00001
Filler	59	59	ALFA	1	X(01)	The field should be filled with BLANKS	
Customer agreement number	60	69	NUM	10	9(10)	The field should be filled with the number of the company's agreement.	
Filler	70	73	ALFA	4	X(04)	The field should be filled with BLANKS	
Company Name	74	103	ALFA	30	X(30)	Beneficiary's Company Name	
Message 1	104	143	ALFA	40	X(40)	Text related to the messages printed in the boletos regarding this bulk. This information will not be available in the return file	
Message 2	144	183	ALFA	40	X(40)	Text related to the messages printed in the boletos regarding this bulk. This information will not be available in the return file	
File Number	184	191	NUM	8	9(08)	Number related to the File's sequence	Information is not mandatory in the remittance file, however it is available in the return file
File Date	192	199	NUM	8	9(08)	File's Generation Date in the DDMMYYYY format	
Credit Date	200	207	NUM	8	9(08)	Information sent only in the return file	
Movement Parameter	208	210	NUM	3	9(03)	This field will be informed by the bank	
Filler	211	240	ALFA	30	X(30)	The field should be filled with BLANKS	

5. Detail Register P (Remittance)

Field's Name	Initial	Final	Format	Digit Number	Picture	Observation	Expected Value
Bank Code	1	3	NUM	3	9(03)	Bank Code in the Clearing House	487
Service Bulk	4	7	NUM	4	9(04)	Sequential number for Service Bulk identification	
Register Identification	8	8	NUM	1	9(01)	The field should be filled with the number "3"	3
Sequential Register	9	13	NUM	5	9(05)	Identification Number of the sequential registers in the bulk	
Segment's Register Code	14	14	ALFA	1	X(01)	The field should be filled with the letter "P"	P
Filler	15	15	ALFA	1	X(01)	The field should be filled with BLANKS or ZEROS	
Remittance's Movement Code	16	17	NUM	2	9(02)	Note 1	
Agency	18	22	NUM	5	9(05)	Agency Code in the Clearing House	00001
Filler	23	23	ALFA	1	X(01)	The field should be filled with BLANKS or ZEROS	
Customer agreement number	24	33	NUM	10	9(10)	The field should be filled with the number of the company's agreement.	
Filler	34	37	ALFA	4	X(04)	The field should be filled with BLANKS	
Deutsche's "Our Number"	38	48	ALFA	11	X(11)	Bradesco Collection: optional field. Deutsche Bank Collection and client issuance: mandatory field.	**Data submitted in this field will be displayed in the registry Detail Register T (Return) in the position 38-48**
Filler	49	57	ALFA	8	X(08)	The field should be filled with BLANKS	
Portfolio Code	58	58	NUM	1	9(01)	Note 7	

Filler	59	59	NUM	1	X(01)	The field should be filled with ZEROS	
Filler	60	60	ALFA	1	X(01)	The field should be filled with BLANKS or ZEROS	
Filler	61	61	NUM	1	X(01)	The field should be filled with ZEROS	
Filler	62	67	ALFA	6	X(06)	The field should be filled with BLANKS	
"Your Number"	68	77	ALFA	10	X(10)	Number controlled by the customer	**Data submitted in this field will be displayed in the Detail Register T (Return) in the 59-73 positions**
Maturity Date	78	85	NUM	8	9(08)	Maturity Date in the DDMMYYYY format	
Title's Value	86	100	NUM	15	9(13)V9 (02)	Title's Value	
Filler	101	105	NUM	6	9(06)	The field should be filled with ZEROS	
Filler	106	106	ALFA	1	X(01)	The field should be filled with BLANKS or ZEROS	
Title's Type	107	108	NUM	2	9(02)	Note 2	
Aceite	109	109	ALFA	1	X(01)	A = Acceptance N = Non-acceptance	
Emission Date	110	117	NUM	8	9(08)	Boleto's Emission Date in the DDMMYYYY format	
Delay Code	118	118	NUM	1	9(01)	1 = Daily Amount 2 = Monthly Rate 3 = Exempt	
Filler	119	126	NUM	8	9(08)	The field should be filled with ZEROS	
Interest	127	141	NUM	15	9(13)V9 (02)	Amount or percentage to be charged of delay interest	
Discount Code	142	142	NUM	1	9(01)	Note 3	
Limit Date for Discount	143	150	NUM	8	9(08)	Discount Date in the DDMMYYYY format	
Amount / Percentage	151	165	NUM	15	9(13)V9 (02)	Amount or Percentage to be discounted	
Filler	166	180	NUM	15	9(13)V9 (02)	The field should be filled with ZEROS	
Rebate	181	195	NUM	15	9(13)V9	Rebate Amount	

Field	Start	End	Type	Size	Format	Description	
					(02)		
Company's usage	196	220	ALFA	25	X(25)	Free Field for enterprise's purposes	**Data submitted in this field will be displayed in the Detail Register T (Return) in the 106-130 positions**
Protest Code	221	221	NUM	1	9(01)	Bradesco Collection: the field should be filled with "1" to protest and with "3" to do not protest. Deutsche Bank Collection: The field should be filled with ZEROS.	
Protest Deadline	222	223	NUM	2	9(02)	Bradesco Collection: send automatic protest deadline after title's maturity date. The deadline cannot be inferior to 5 calendar days. Cobrança Deutsche Bank: The field should be filled with ZEROS.	
Filler	224	224	NUM	1	9(01)	The field should be filled with ZEROS	
Filler	225	227	ALFA	3	X(03)	The field should be filled with BLANKS or ZEROS	
Currency	228	229	NUM	2	9(02)	Number "09" for REAL	
Contract Number	230	239	ALFA	10	X(10)	The field should be filled with ZEROS	
Filler	240	240	ALFA	1	X(01)	The field should be filled with BLANKS or ZEROS	

The Field "Protest Deadline" (positions 222 to 223) cannot be superior to the deadline registered for the title's removal from Collection/automatic devolution of the title.

6. Detail Register Q (Remittance)

Field's Name	Initial	Final	Format	Digit Number	Picture	Observation	Expected Value
Bank Code	1	3	NUM	3	9(03)	Bank Code in the Clearing House	487
Service Bulk	4	7	NUM	4	9(04)	Sequential number for Service Bulk identification	
Register Type	8	8	NUM	1	9(01)	The field should be filled with the number "3"	3
Sequential Register	9	13	NUM	5	9(05)	Identification Number of the sequential registers in the bulk	
Segment Code	14	14	ALFA	1	X(01)	The field should be filled with the letter "Q"	Q
Filler	15	15	ALFA	1	X(01)	The field should be filled with BLANKS or ZEROS	
Remittance Code	16	17	NUM	2	9(02)	Note 1	
Payer's Tax ID indicator	18	18	NUM	1	9(01)	The field should be filled with "1" for CPF (Individual Tax ID) or "2" for CGC/CNPJ (Corporate Tax ID).	1 or 2
Payer's ID number	19	33	NUM	15	9(15)	Beneficiary's CPF (Individual Tax ID) or CNPJ (Corporate Tax ID)	
Name	34	73	ALFA	40	X(40)	Payer's Name	
Address	74	113	ALFA	40	X(40)	Payer's Address	
Neighbourhood	114	128	ALFA	14	X(14)	Payer's Neighbourhood	
Zip Code	129	136	NUM	8	9(08)	Payer's Zip Code	
City	137	151	ALFA	15	X(15)	Payer's City	
State	152	153	ALFA	2	X(02)	Payer's State	
Guarantor's Tax ID indicator	154	154	NUM	1	9(01)	The field should be filled with ZEROS	
Guarantor's ID number	155	169	NUM	15	9(15)	The field should be filled with ZEROS	
Guarantor's	170	209	ALFA	40	X(40)	The field should be filled with BLANKS or ZEROS	

Name

Field's Name	Initial	Final	Format	Digit Number	Picture	Observation
Filler	210	212	NUM	3	9(03)	The field should be filled with ZEROS
"Our Number" in the Correspondent	213	224	ALFA	12	X(12)	Bradesco Collection: Inform "Our Number" in case the collection is "Direct". See Note 8. Deutsche Bank Collection: The field should be filled with ZEROS.
Filler	225	240	ALFA	16	X(16)	The field should be filled with BLANKS or ZEROS

7. Detail Register T (Return)

Field's Name	Initial	Final	Format	Digit Number	Picture	Observation	Expected Value
Bank Code	1	3	NUM	3	9(03)	Bank Code in the Clearing House	487
Service Bulk	4	7	NUM	4	9(04)	Sequential number for Service Bulk identification	
Register Type	8	8	NUM	1	9(01)	The field contain the number "3"	3
Sequential Register	9	13	NUM	5	9(05)	Identification Number of the sequential registers in the bulk	
Segment Code	14	14	ALFA	1	X(01)	The field contain the segment code	T
Filler	15	15	ALFA	1	X(01)	The field contain BLANKS	
Return Code	16	17	NUM	2	9(02)	Note 4	
Agency Code	18	22	NUM	5	9(05)	The field contain the agency's code	
Filler	23	23	NUM	1	9(01)	The field contain ZEROS	
Customer agreement number	24	33	NUM	10	9(10)	The field contain the number of the company's agreement.	
Filler	34	36	NUM	3	9(03)	The field contain ZEROS	
Filler	37	37	NUM	1	9(01)	The field contain ZEROS	
Deutsche's	38	48	NUM	11	9(11)	Boleto's identification number in Deutsche Bank	**Data submitted in**

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Field	Start	End	Type	Size	Format	Description	
"Our Number"							**this field will be displayed in the registry Detail Register P (Remittance) in the position 38-48**
Filler	49	57	ALFA	9	X(09)	The field contain BLANKS	
Portfolio	58	58	NUM	1	9(01)	Note 7	
Filler	59	63	ALFA	5	X(05)	The field contain BLANKS	
Document Number	64	73	ALFA	10	X(10)	The field contain Your Number (informed by the client)	**This field reproduces data sent in the Detail Register P (Remittance) positions 63-77**
Maturity Date	74	81	NUM	8	9(08)	Maturity Date in the DDMMYYYY format	
Title's Value	82	96	NUM	13	9(13)	Title's Value	
Bank Number	97	99	NUM	3	9(03)	Bank receiving Boleto's payment	
Receiving Agency	100	104	NUM	5	9(05)	Code of the Agency receiving the payment	
Agency's Check Digit	105	105	NUM	1	9(01)	Charging Agency's Check Digit	
Company's usage	106	130	ALFA	25	X(25)	Free field for company's usage	**This field reproduces data sent in the Detail Register P (Remittance) positions 196-220**
Currency Code	131	132	NUM	2	9(02)	The field contain "09"	09
Tax ID indicator	133	133	NUM	1	9(01)	The field contain "1" for CPF (Individual Tax ID) or "2" for CGC/CNPJ (Corporate Tax ID).	
Payer's Tax ID	134	148	NUM	15	9(15)	Payer's CPF (Individual Tax ID) or CNPJ (Corporate Tax ID)	

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Name	149	188	ALFA	40	X(40)	Payer's Name	
Filler	189	198	NUM	10	9(10)	The field contain ZEROS	
Tariff Value/ Costs	199	213	NUM	13	9(13)	The field contain the tariff related to the boleto	
Reasons for the Occurrence	214	215	ALFA	2	X(02)	If in "Return Code" = 02, 03, 26 or 30 – see note 5. If in "Return Code" = 06, 09 or 17 – see note 6.	
Filler	216	240	ALFA	17	X(17)	The field contain BLANKS	

8. Detail Register U (Return)

Field's Name	Initial	Final	Format	Digit Number	Picture	Observation	Expected Value
Bank Number	1	3	NUM	3	9(03)	Bank Code in the Clearing House	487
Service Bulk	4	7	NUM	4	9(04)	Sequential number for Service Bulk identification	
Register Type	8	8	NUM	1	9(01)	The field contain the number "3"	3
Sequential Register	9	13	NUM	5	9(05)	Identification Number of the sequential registers in the bulk	
Segment Code	14	14	ALFA	1	X(01)	The field contain the segment code	U
Filler	15	15	ALFA	1	X(01)	The field contain BLANKS	
Movement Code	16	17	NUM	2	9(02)	Note 4	
Accruals	18	32	NUM	13	9(13)	Interest / Penalty / Charges	
Discount	33	47	NUM	13	9(13)	Discount Value	
Rebate	48	62	NUM	13	9(13)	Rebate Value	
IOF	63	77	NUM	13	9(13)	IOF Value	
Paid	78	92	NUM	13	9(13)	Value paid by the Payer	

Amount						
Liquid Value credited	93	107	NUM	13	9(13)	Liquid Value to be credited
Filler	108	122	NUM	13	9(13)	The field contain ZEROS
Filler	123	137	NUM	13	9(13)	The field contain ZEROS
Occurrence Date	138	145	NUM	8	9(08)	Occurrence Date on the format DDMMYYYY
Credit Execution Date	146	153	NUM	8	9(08)	Credit Execution Date on the format DDMMYYYY
Filler	154	157	ALFA	4	X(04)	The field contain ZEROS
Filler	158	165	ALFA	8	X(08)	The field contain ZEROS
Filler	166	180	NUM	13	9(13)	The field contain ZEROS
Filler	181	210	ALFA	30	X(30)	The field contain ZEROS
Filler	211	213	NUM	3	9(03)	The field contain ZEROS
Our Number Correspondent Bank	214	225	NUM	12	9(12)	Bradesco Collection: the field will contain Bradesco "Our Number" Deutsche Bank Collection: The field should be filled with ZEROS
Filler	226	240	ALFA	7	X(07)	The field contain BLANKS

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9. Bulk Trailer (Remittance/Return)

Field's Name	Initial	Final	Format	Digit Number	Picture	Observation	Expected Value
Bank Number	1	3	NUM	3	9(03)	Bank's Code in the Clearing	487
Service Bulk	4	7	NUM	4	9(04)	Sequential Number for Service Bulk identification	
Register Type	8	8	NUM	1	9(01)	The field should be filled with the number "5"	5
Filler	9	17	ALFA	9	X(09)	The field should be filled with BLANKS	
Register Amount	18	23	NUM	6	9(06)	Amount of registers 1, 3 and 5 in the bulk	
Titles' Amount	24	29	NUM	6	9(06)	Simple Collection Title's Amount	
Titles' Total Value	30	46	NUM	17	9(15)V9 (02)	Simple Collection Title's Total Value	
Titles' Amount	47	52	NUM	6	9(06)	Bounded Collection Title's Amount	
Titles' Total Value	53	69	NUM	17	9(15)V9 (02)	Bounded Collection Title's Total value	
Titles' Amount	70	75	NUM	6	9(06)	Escrow Collection Title's Amount	
Titles' Total Value	76	92	NUM	17	9(15)V9 (02)	Escrow Collection Title's Total value	
Titles' Amount	93	98	NUM	6	9(06)	Discounted Collection Title's Amount	
Titles' Total Value	99	115	NUM	17	9(15)V9 (02)	Discounted Collection Title's Total Value	
Filler	116	123	ALFA	8	X(08)	The field should be filled with BLANKS	
Filler	124	240	ALFA	117	X(117)	The field should be filled with BLANKS	

10. File Trailer (Remittance/Return)

Field's Name	Initial	Final	Format	Digit Number	Picture	Observation	Expected Value
Bank Code	1	3	NUM	3	9(03)	Bank Code in the Clearing	487
Service Bulk	4	7	NUM	4	9(04)	The field should be filled with the number "9999"	9999
Register Type	8	8	NUM	1	9(01)	The field should be filled with the number "9"	9
Filler	9	17	ALFA	9	X(09)	The field should be filled with BLANKS	
Filler	18	23	NUM	6	9(06)	The field should be filled with ZEROS	
Register Amount	24	29	NUM	6	9(06)	Amount of the register types 0, 1, 3, 5 and 9 in the file	
Filler	30	35	NUM	6	9(06)	The field should be filled with ZEROS	
Filler	36	240	ALFA	205	X(205)	The field should be filled with BLANKS	

11. Notes

11.1.   Note 1

Code	Description
01	Confirmed Entry
02	Request for liquidation
04	Rebate Grant
05	Rebate Cancellation
06	Maturity Alteration
09	Protest
10	Halt Protest and Liquidate
11	Halt Protest and Keep in the Portfolio
23	Alter Drawee's Data
31	Alter Other Data

11.2.   Note 2

Code	Type
01	Cheque
02	Mercantile Duplicate
04	Service Duplicate
12	Promissory Note
17	Receipt
20	Insurance Policy
99	Others

11.3.   Note 3

Code	Protest
1	Fixed amount until the date informed
2	Percentage until the date informed
3	Amount for anticipation

PS: To the codes "1" and "2" it is mandatory to inform the date

11.4.   Note 4

Identifies the type of movement sent in the registers of the return files

Code	Description
02	Confirmed Entry
03	Rejected Entry
06	Liquidation
09	Title Removed from Collection
12	Confirmation of the reception of Rebate Instructions
13	Confirmation of the reception of Rebate Cancellation Instructions
14	Confirmation of the reception of Maturity Date Alterations

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Code	Description
17	Non Registered Titles Liquidation
26	Rejected Instruction
27	Confirmation of the request of Other Data Alteration
30	Data Modification Rejected

11.5.   Note 5

The rejection codes bellow are associated to the movement codes 02, 03, 26 and 30 of Note 4.

Code	Description
00	Occurrence Accepted
01	Bank Code Invalid
02	Detail Register Code Invalid
03	Occurrence Code Invalid
04	Occurrence Code not permitted for the Portfolio
05	Non-Numeric Occurrence Code
07	Agency/Account/Invalid Digit
08	Our Number Invalid
09	Our Number Duplicated
10	Invalid Portfolio
13	Invalid Bloqueto Emission Identification
15	Incompatible Collection Characteristics
16	Invalid Maturity Date
17	Maturity Date inferior to the Emission Date
18	Maturity Date out of operation deadline
20	Invalid Title Value
21	Invalid Title Specie
22	Specie not permitted for the Portfolio
24	Invalid Emission Date
26	Invalid Mora Interest Code
27	Invalid Value/Mora interest rate
28	Invalid Discount Code
29	Discount Value superior to/equal to the title's value
30	Discount to be given do not confer
31	Discount Grant already exists (previous Discount)
32	Invalid IOF Value
33	Invalid Rebate Value
34	Rebate Value superior to/equal to the Title's Value
36	Rebate Grant already exists (previous Rebate)
38	Invalid Protest deadline
39	Protest Request not permitted to the title
40	Title's Protest Order Emitted
41	Cancellation/Restraining Request for Title lacking Protest Instructions
42	Invalid Title's Removal from Collection /Devolution Code
44	Drawer's Agency not provided
45	Drawee's Name not informed
46	Invalid Drawee's registration type/number
47	Drawee's Address not informed
48	Invalid Zip Code
50	Zip Code refers to a correspondent bank
53	Guarantor's Tax ID Type is Invalid
54	Guarantor not informed
57	Invalid Interest Code
58	Interest Maturity Date Invalid
60	Title's movement not registered

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63	Title's Entry not registered
65	Limit Exceeded
66	Authorization Number does not exist
69	Debit unscheduled – Remittance Data Error
70	Debit unscheduled – Drawee does not exist in the Authorizing Record
71	Debit unscheduled – Drawer not authorized by the Drawee
72	Debit unscheduled – Drawer doesn't have automatic debit
73	Debit unscheduled – Currency Code Different from Brazilian Real (R$)
74	Debit unscheduled – Invalid Maturity Date
75	Debit unscheduled – As requested, Title was not registered
76	Debit unscheduled – Debited's Tax ID Type invalid
79	Invalid Mora Interest Date
80	Invalid Discount Date
83	Limit Exceeded
84	Authorization number doesn't exist
85	Linked Payment Title
86	Your Number Invalid
88	Email to Drawee wasn't read within the 5 day deadline
91	Email to Drawee wasn't received
94	Pledged Title – Instruction was not liberated by the Agency

11.6.   Note 6

The occurrence reasons bellow are associated to the movement codes 06, 09 and 17 of Note 4.

Code	Description
00	Occurrence Accepted
09	Title removed from collection as Instructions from the Agency
10	Title removed from collection by client's requested
13	Title removed from collection by the bank for overdue deadline
14	Protested Title
15	Excluded Title
17	Title removed from collection and Portfolio Transferred
35	Title paid in cash
36	Title paid with check

11.7.   Note 7

Code	Portfolio Code
1	Simple Collection
2	Discount
3	Credit Cession

11.8.   Note 8

In case the Boleto is printed by the customer (direct collection), the positions 63 to 74 of the detail record should be filled with "Our Number" and its respective check digit, which will be confirmed in the return file.

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Now we present the criteria to be adopted for calculating the check digit. The line numbering should be composed of 11 positions plus the check digit, obeying the following format:
Position 63-74: "Our Number" can be generated from 000000000001, 000000000002, they are 12 positions (which already includes the self-check digit) and should be assigned different numbers to the identification of each document in the Deutsche Collection.

Note: For the calculation of the digit it will be necessary to add the Portfolio number to the left before "Our Number", and apply the module 11, based on 7.

Example:
Perform the multiplication:

Carteira		Nosso Número										
0	9	0	0	0	0	0	0	0	0	0	0	3

X

2	7	6	5	4	3	2	7	6	5	4	3	2
=	=	=	=	=	=	=	=	=	=	=	=	=
0	63	0	0	0	0	0	0	0	0	0	0	6

= 69

Make the sum, which results in = 69

Perform the division:

```
              11
  69  |_____
             6
  -66
   3
```

Note: The difference between the divider minus the rest will be the self-check digit.
11 – 03 = 8 (self-check digit).
Therefore "Our Number": 00000000002 8. The digit is the number "8".
Note: If the rest of the division is "1", neglect the difference between the divider minus the rest which will be "10", and consider the digit as "P".

Example:

Perform the multiplication:

Carteira		Nosso Número										
0	9	0	0	0	0	0	0	0	0	0	0	2

X

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2	7	6	5	4	3	2	7	6	5	4	3	2		
=	=	=	=	=	=	=	=	=	=	=	=	=		
0	63	0	0	0	0	0	0	0	0	0	0	4	=	67

Perform the following division:

```
          11
67  |_____
   -66      6
    1
```

Results: 11 – 1 = 10. In this case the digit will be "P"
Therefore "Our Number": 00000000002 P. The digit is the letter "P".
Note: If the rest of the division is "0", disregard the subtraction between the divisor and the rest, and consider "0" as the digit.

Carteira		Nosso Número										
0	9	0	0	0	0	0	0	0	0	0	0	7

X

2	7	6	5	4	3	2	7	6	5	4	3	2		
=	=	=	=	=	=	=	=	=	=	=	=	=		
0	63	0	0	0	0	0	0	0	0	0	0	14	=	77

Perform the following division:

```
77  |  11
-7     7
 0
```

Therefore "Our Number": 00000000007 0. The digit is the number "0".

12. Boleto's Bar Code (Quick Collection and No Registry)

Code I25 (2 of 5 Intercalated)

- allows numerical representation
- uses identifier characters in the beginning and in the end
- the narrow bars (E) are represented by the number (0)
- wide bars (L) are represented by the number 1 (one)
- I25 encoding form: combination of two narrow bars (E) and/or large (L). ASCII and EBCDIC configuration:

EBCDIC	Bars	ASCII

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<	Beginning	3C
>	End	3E
N	EL	4E
W	LL	57
n	EE	6E
w	LE	77

- in order to have one of the pairs of bars above, it must first replace the numbers 0 to 9 according with the following representation:

Number	Representation
0	00110
1	10001
2	01001
3	11000
4	00101
5	10100
6	01100
7	00011
8	10010
9	01010

Example

To represent 123, we will have to add the number 0 (zero) to the left, in order to get an even number of digits.

Noticing the representation above, we must first take the number's firs BIT and join it to the first BIT of number one, therefore creating the pair 01, which means an E bar (narrow) and an L (large), which has the same configuration in ASCII the same as 4E. Then, the encoding of the number 0123 will be:

1.1.1.1.1.1	0	1	0	0	1	0	1	0	0	1	0	1	1	1	0	0	0	0	1	0	End
EEEE	E	L	E	E	L	E	L	E	E	L	E	L	L	L	E	E	E	E	L	E	LEEE
3C	4	E	6	E	7	7	7	7	4	E	4	E	5	7	6	E	6	E	7	7	**3E**
<	N		n		w		w		N		N		W		n		n		w		**>**

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Configuration Numbers	EBCDIC Configuration	Hexa Configuration
00	NnWWn	95 95 E6 E6 95
01	NnwwN	D5 95 A6 A6 D5
02	NNwwN	95 D5 A6 A6 D5
03	NNwwn	D5 D5 A6 A6 95
04	NnWwN	95 95 E6 A6 D5
05	NnWwn	D5 95 E6 A6 95
06	NNWwn	95 D5 E6 A6 95
07	NnwWN	95 95 A6 E6 D5
08	NnwWn	D5 95 A6 E6 95
09	NNwWn	95 D5 A6 E6 95
10	WnNNw	A6 95 D5 D5 A6
11	WnnnW	E6 95 95 95 E6
12	WNnnW	A6 D5 95 95 E6
13	WNnnw	E6 D5 95 95 A6
14	WnNnW	A6 95 D5 95 E6
15	WnNnw	E6 95 D5 95 A6
16	WNNnw	A6 D5 D5 95 A6
17	WnnNW	A6 95 95 D5 E6
18	WnnNw	E6 95 95 D5 A6
19	WNnNw	A6 D5 95 D5 A6
20	NwNNw	95 A6 D5 D5 A6
21	NwnnW	D5 A6 95 95 E6
22	NWnnW	95 E6 95 95 E6
23	NWnnw	D5 E6 95 95 A6
24	NwNnW	95 A6 D5 95 E6
25	NwNnw	D5 A6 D5 95 A6
26	NWNnw	95 E6 D5 95 A6
27	NwnNW	95 A6 95 D5 E6
28	NwnNw	D5 A6 95 D5 A6
29	NWnNw	95 E6 95 D5 A6
30	WwNNn	A6 A6 D5 D5 95
31	WwnnN	E6 A6 95 95 D5
32	WWnnN	A6 E6 95 95 D5
33	WWnnn	E6 E6 95 95 95
34	WwNnN	A6 A6 D5 95 D5
35	WwNnn	E6 A6 D5 95 95
36	WWNnn	A6 E6 D5 95 95
37	WwnNN	A6 A6 95 D5 D5
38	WwnNn	E6 A6 95 D5 95
39	WWnNn	A6 E6 95 D5 95
40	NnWNw	95 95 E6 D5 A6
41	NnwnW	D5 95 A6 95 E6
42	NNwnW	95 D5 A6 95 E6
43	NNwnw	D5 D5 A6 95 A6
44	NnWnW	95 95 E6 95 E6
45	NnWnw	D5 95 E6 95 A6
46	NNWnw	95 D5 E6 95 A6
47	NnwNW	95 95 A6 D5 E6
48	NnwNw	D5 95 A6 D5 A6
49	NNwNw	95 D5 A6 D5 A6

50	WnWNn	A6 95 E6 D5 95
51	WnwnN	E6 95 A6 95 D5
52	WNwnN	A6 D5 A6 95 D5
53	WNwnn	E6 D5 A6 95 95
54	wnWnN	A6 95 E6 95 D5
55	WnWnn	E6 95 E6 95 95
56	wNWnn	A6 D5 E6 95 95
57	wnwNN	A6 95 A6 D5 D5
58	WnwNn	E6 95 A6 D5 95
59	wNwNn	A6 D5 A6 D5 95
60	nwWNn	95 A6 E6 D5 95
61	NwwnN	D5 A6 A6 95 D5
62	nWwnN	95 E6 A6 95 D5
63	NWwnn	D5 E6 A6 95 95
64	nwWnN	95 A6 E6 95 D5
65	NwWnn	D5 A6 E6 95 95
66	nWWnn	95 E6 E6 95 95
67	nwwNN	95 A6 A6 D5 D5
68	NwwNn	D5 A6 A6 D5 95
69	nWwNn	95 E6 A6 D5 95
70	nnNWw	95 95 D5 E6 A6
71	NnnwW	D5 95 95 A6 E6
72	nNnwW	95 D5 95 A6 E6
73	NNnww	D5 D5 95 A6 A6
74	nnNwW	95 95 D5 A6 E6
75	NnNww	D5 95 D5 A6 A6
76	nNNww	95 D5 D5 A6 A6
77	nnnWW	95 95 95 E6 E6
78	NnnWw	D5 95 95 E6 A6
79	nNnWw	95 D5 95 E6 A6
80	wnNWn	A6 95 D5 E6 95
81	WnnwN	E6 95 95 A6 D5
82	wNnwN	A6 D5 95 A6 D5
83	WNnwn	E6 D5 95 A6 95
84	wnNwN	A6 95 D5 A6 D5
85	WnNwn	E6 95 D5 A6 95
86	wNNwn	A6 D5 D5 A6 95
87	wnnWN	A6 95 95 E6 D5
88	WnnWn	E6 95 95 E6 95
89	wNnWn	A6 D5 95 E6 95
90	nwNWn	95 A6 D5 E6 95
91	NwnwN	D5 A6 95 A6 D5
92	nWnwN	95 E6 95 A6 D5
93	NWnwn	D5 E6 95 A6 95
94	nwNwN	95 A6 D5 A6 D5
95	NwNwn	D5 A6 D5 A6 95
96	nWNwn	95 E6 D5 A6 95
97	nwnWN	95 A6 95 E6 D5
98	NwnWn	D5 A6 95 E6 95
99	nWnWn	95 E6 95 E6 95

Bellow is a table containing all the Pairs of Bars:

Numbers	Pairs of Bars	Numbers	Pairs of Bars
Beginning	EEEE		
END	LEEE		
00	EEEELLLLEE	51	LLEELEEEEL
01	ELEELELEEL	52	LEELLEEEEL
02	EEELLELEEL	53	LLELLEEEEE
03	ELELLELEEE	54	LEEEELLEEEL
04	EEEELLLEEL	55	LLEELLEEEE
05	ELEELLLEEE	56	LEELLLEEEE
06	EEELLLLEEE	57	LEEELEELEL
07	EEEELELLEL	58	LLEELEELEE
08	ELEELELLEE	59	LEELLEELEE
09	EEELLELLEE	60	EELELLELEE
10	LEEEELELLE	61	ELLELEEEEL
11	LLEEEEEELL	62	EELLLEEEEL
12	LEELEEEELL	63	ELLLLEEEEE
13	LLELEEEELE	64	EELELLEEEL
14	LEEEELEELL	65	ELLELLEEEE
15	LLEEELEELE	66	EELLLLEEEE
16	LEELELEELE	67	EELELEELEL
17	LEEEEEELLL	68	ELLELEELEE
18	LLEEEEELLE	69	EELLLEELEE
19	LEELEEELLE	70	EEEEELLLLE
20	EELEELELLE	71	ELEEEELELL
21	ELLEEEEELL	72	EEELEELELL
22	EELLEEEELL	73	ELELEELELE
23	ELLLEEEELE	74	EEEEELLELL
24	EELEELEELL	75	ELEEELLELE
25	ELLEELEELE	76	EEELELLELE
26	EELLELEELE	77	EEEEEELLLL
27	EELEEEELLL	78	ELEEEELLLE
28	ELLEEEELLE	79	EEELEELLLE
29	EELLEEELLE	80	LEEEELLLEE
30	LELEELELEE	81	LLEEEELEEL
31	LLLEEEEEEL	82	LEELEELEEL
32	LELLEEEEEL	83	LLELEELEEE
33	LLLLEEEEE	84	LEEEELLEEL
34	LELEELEEEL	85	LLEEELLEEE
35	LLLEELEEEE	86	LEELELLEEE
36	LELLELEEEE	87	LEEEEELLEL
37	LELEEEELEL	88	LLEEEELLEE
38	LLLEEEELEE	89	LEELEELLEE
39	LELLEEELEE	90	EELEELLLEE
40	EEEELLELLE	91	ELLEEELEEL
41	ELEELEEELL	92	EELLEELEEL
42	EEELLEEELL	93	ELLLEELEEE
43	ELELLEEELE	94	EELEELLEEL
44	EEEELLEELL	95	ELLEELLEEE
45	ELEELLEELE	96	EELLELLEEE
46	EEELLLEELE	97	EELEEELLEL
47	EEEELEELLL	98	ELLEEELLEE
48	ELEELEELLE	99	EELLEELLEE

49	EEELLEELLE		
50	LEEELLELEE		

13. Barcode Data Composition

The bar code Collection contains 44 positions arranged as follows:

Position	Size	Content
01 a 03	3	Bank identification
04 a 04	1	Currency Code (Real = 9, Other = 0)
05 a 05	1	Barcode's Check Digit
06 a 09	4	Maturity Factor (See Note)
10 a 19	10	Value
20 a 44	25	Free Field

The positions of the free fields are at the discretion of each collector bank.

Bradesco Collection:

Position	Size	Content
20 a 23	4	Drawer Agency (Without the check digit, complete it with zeros to the left when necessary)
24 a 25	2	Portfolio
26 a 36	11	"Our Number" (Without the check digit)
37 a 43	7	Drawer Account (Without the check digit, complete it with zeros to the left when necessary)
44 a 44	1	Zero

Deutsche Bank Collection:

Position	Size	Content
20 a 23	4	Drawer Agency (Without the check digit, complete it with zeros to the left when necessary)
24 a 25	2	Zeros
26 a 33	8	Beneficiary code
34 a 44	11	"Our Number" with the check digit. If the check digit is P, fill with zero.

To calculate the barcode's check digit, proceed as follows:

- Calculation through module 11 with a calculus base equal to 9.

Example:
NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN {43 positions with all the data: Consider 43 positions to calculate the digit, as follows: Position 1 to 4 and Position 6 to 44.

4329876543298765432987654329876543298765432 { Multiplier Index

--------------←------------←------------←-------------←   { Calculation Direction

- The first digit from right to left will be multiplied by 2, the second by 3, and so on.

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- The multiplications results must be accumulated.
- At the end, the accumulated value must be divided by 11.
- The rest of the division should be subtracted from 11.
  - If the result of the subtraction is equal to 0 (zero), 1 (one) or greater than 9 (nine) should assume the digit 1 (one).
  - Otherwise the subtraction will result in the actual digit.
- This result is the check digit of the bar code, and should be placed in the fifth position
- The digit 0 (zero) in the fifth position indicates that the barcode has no check digit.

14. Barcode Assembly and Printing

Note: '2 of 5 Intercalated' means that five bars sets a character, two of which are wide bars. 'Intercalated' means that the spaces between the bars has a meaning, in an analogous manner to the bars.

Laser Printing
After assembling as described above, create the graphical representation for the line that contains the barcode data or use the appropriate source.

- Position of the bar code on the slip (sample shown below):

  - The beginning of the bar should be 0.5 cm from the left edge of the sheet;
  - The middle of the bar should be 12 mm from the end of the sheet;
  - Overall length equal to 103mm and height equal to 13mm.

Note: These positions should be carefully followed because they are of fundamental importance for reading the barcode.

15. Data Arrangement for Typeable Line's Composition

Typeable line will consist of five fields:

1st Field: Composed of the Bank code, currency code, the first five positions of the free field, and check digit of this field;
2nd Field: Consisting of the positions 6th to 15th of the free field and the check digit of this field;
3rd Field: Consisting of the positions 16th to 25th of the free field and the check digit of this field
4th Field: Consisting of the check digit of the bar code, i.e., the 5th position of the barcode;
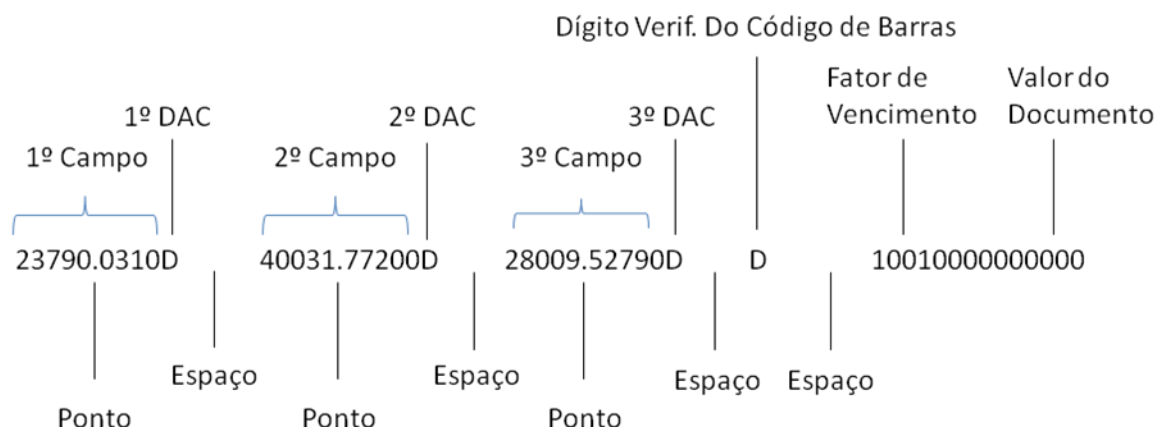**5th Field:** Consisting of the expiration factor of 4 (four) characters and value of the document with 10 (ten) characters, no tabs and no editing.
Between each field there should be a space equivalent to 2 (two) positions, the 1st being represented by a dot (.) and the 2nd by a blank space.

Please be aware of the differences between the free field from Deutsche Bank Collections and Bradesco Collections.

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Exemplo

Dígito Verif. Do Código de Barras

Calculation of the Auto Conference Digits (DAC) of the fields of the Typeable line

Use Module 10:

Example (1st Digit):

2	3	7	9	0	0	3	1	0
X 2	1	2	1	2	1	2	1	2
=	=	=	=	=	=	=	=	=
4	3	1+4	9	0	0	6	1	0 = 28

Note: Multiplication Total= 28 therefore, to obtain the digit it should be considered a multiple of 10, greater than or equal to the multiplication result, which in this case is "30". Therefore, we perform the following subtraction:

30-28 = 2 (digits), so the composition of the first field is:

23790.03102

Note: All the result of the multiplication, whose total is greater than or equal to ten (10) shall be the sum of the two numbers, as examples:

5 x 2 = 10, so, 1 + 0 = 1

8 x 2 = 16, so, 1 + 6 = 7

Example (2nd digit):

Note: multiplication total = 28, to get the digit it should be considered a number multiple of 10, greater than or equal to the result of the multiplication, which in this case will be "30." Then, subtracting the following:

30 – 28 = 2 (digit), subsequently the composition of the first field will be:
23790.03102

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Note: All the result of multiplication, whose total is greater than or equal to 10 (ten), there should be the sum of two numbers as examples:

5 x 2 = 10, so, 1 + 0 = 1

8 x 2 = 16, so, 1 + 6 = 7

Example (2nd digit):

4	0	0	3	1	7	7	2	0	0
X 1	2	1	2	1	2	1	2	1	2
= 4	0	0	6	1	1+4	7	4	0	0 = 27

Multiplication Total= 27

multiple of 10 (ten) = 30, therefore

30 - 27 = 3 (digit), thus the composition of the 2nd field will be:

40031.772003

Example (3rd digit):

2	8	0	0	9	5	2	7	9	0
X 1	2	1	2	1	2	1	2	1	2
= 2	1+6	0	0	9	1+0	2	1+4	9	0 = 35

Multiplication Total = 35

Multiple of 10 (ten) = 40, then 40-35 = 5 (digit) and the composition of the 3rd field will be: **28009.527905**

Thus, we have the following configuration of the typeable line:

23790.03102 40031.772003 28009.527905 7 10010000000000

SPECIFICATIONS FOR THE BOLETO COLLECTION

The boletos must meet the following parameters specified by the Central Bank:

• number of lanes or parts – 2 (two): a) Drawee Receipt b) Compensation Sheet

Note: The receipt of the drawee shall contain the Document Value, Our Number, Portfolio, Agency/Drawer Code and Date of Maturity

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• Paper weight - at least 50g/m2

• Dimensions

a) Boleto: 95 to 104 mm x 170 to 216 mm

b) Drawee Receipt: at the Bank's discretion

• paper color / print
a) white background / blue print
b) white background / black print

• Entering Banks's Data/ Typeable Line at the top edge of the compensation sheet.

- Left side - insert the name of the Bank, Bank's number, plus the check digit;

(The code of the Bank shall be constituted with 5mm characters and dashes or lines of 1.2mm)

- Right side - should contain the typeable line - The dimensions are 3.5 to 4mm and dashes or lines of 0.3 mm
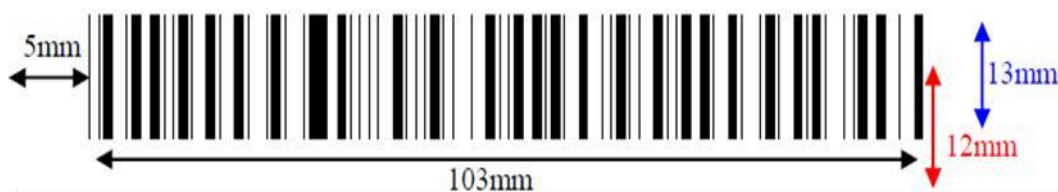
16. Boleto Model

Bradesco Collection:

Logotipo do Bradesco	Bradesco	237-2	99999.9999D 99999.99999D 99999.99999D	D	FF FF999999999

Local do Pagamento					Vencimento
Pagável preferencialmente na rede Bradesco ou no Bradesco Expresso					DD/MM/AAA

Beneficiário:					Agência do Beneficiário
					9999-D / 9999999 - D

Data do Documento	Número do documento	Espécie de Documento	Aceite	Data do Processamento	Carteira / Nosso Número
DD/MM/AAAA				DD/MM/AAAA	99 / 9999999 - D

Uso do Banco	CIP	Carteira	Moeda R$	Quantidade	Valor	Valor do documento

Instruções	(-) Desconto
	(-) Outras Deduções
	(-) Mora / Multa
	(+) Outros Acréscimos
	(=) Valor Cobrado

Pagador:	Nome / CPF ou CNPJ / Endereço
Sacador Avalista:	

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Deutsche Bank Collection:

Logotipo do Deutsche	Deutsche Bank	487	99999.9999D 99999.99999D 99999.99999D		D	FF FF999999999

	Vencimento
Local do Pagamento Pagável em qualquer agência	DD/MM/AAA

	Agência do Beneficiário
Beneficiário:	9999-D / 9999999 - D

Data do Documento DD/MM/AAAA	**Número do documento**	**Espécie de Documento**	**Aceite**	**Data do Processamento** DD/MM/AAAA	**Carteira / Nosso Número** 99 / 9999999 - D
Uso do Banco	**CIP**	**Carteira**	**Moeda** R$	**Quantidade**	**Valor**	**Valor do documento**

Instruções	**(-) Desconto**
	(-) Outras Deduções
	(-) Mora / Multa
	(+) Outros Acréscimos
	(=) Valor Cobrado

Pagador:	Nome / CPF ou CNPJ / Endereço
Sacador Avalista:	

Instructions for Filling in the Fields of the Boleto

A. PAYMENT PLACE:
Field designed for the insertion of a message indicating to the drawee where the payment can be made.

B. MATURITY FIELD
The maturity in this field must necessarily be the same maturity factor shown in the typeable line and Barcode.

C. Occurring discrepancy between these information, we consider the date indicated on the Maturity Factor of the Typeable line /Barcode

D. DRAWER:
Company Name or Company's Trade Name issuing the boleto, it should be the same as shown in the register of the Bank.

E. AGENCY / DRAWER'S CODE:
It should be filled with the agency with four 4(four) characters - Agency digit / Collection Account 7 (seven) characters - AccountDigit. Eg 9999-D/9999999-D

Note: Fill in the left with zeros when necessary.

F. ISSUANCE DATE:
Fill in the issuance date of the document, or the billing date.

G. DOCUMENT NUMBER:
May be informed to identify the invoice number, duplicate, etc..

H. DOCUMENT TYPE:
According to the type of activity one of the abbreviations may be used: DM-Mercantile Duplicate, NP-Promissory Note, NS-Insurance Note, CS-Serial Collection, REC-Receipt, LC-Bills of Exchange, ND-Debit Note, DS-Duplicate Services, Other.

I. ACEITE:
Fixed value:
N - No

J. PROCESSING DATE:
May be the same as the issuance date

K. PORTFOLIO / NOSSO NÚMERO:
Portfolio with 2 (two) characters / N.Number with eleven (11) characters + digit
Eg 99 / 99999999999-D
Note: "Our number" is a Boleto identifier and shall be differentiated for each document.

L. BANK's USAGE:
Do not fill in this field.

M. CIP:
This code is used to identify specific messages to the Drawer, and the same appears in the records of the Bank. When there is no code registered please fill in with zeros "000".

N. PORTFOLIO:
Collection Portfolio with which the company operates in the Bank.

O. CURRENCY:
Field intended for the type of currency information in which the document was issued (R$, US$, IGPM, Etc..)

P. AMOUNT:
When the document is issued in an indexed currency (US$, IGPM, etc..), fill in this field with the corresponding amount.

Q. DOCUMENT VALUE:
Field destined for the document value information, which shall be filled with the same value reported on the barcode and on the typeable line. If the value of the document is zero on bar code and on the typeable line, leave this field blank.

R. INSTRUCTIONS:
Field reserved for Drawer's purposes.

17. Maturity Factor

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Rules for the Insertion of the Maturity Factor into the Barcode

The maturity factor is expressed by 4 digits and it will be used to identify the Maturity Date of the title. It shall be obtained by subtracting the due date from the base date 07/10/1997.

MATURITY FACTOR	
MATURITY DATE:	03-07-2000
BASE DATE:	- 07-10-1997
AMOUNT OF DAYS:	= 1000

To estimate the calculation of the Maturity Factor we suggest the development of some tests, using the dates below to make sure that the maturity factor is correct.

CORRECTION TABLE	
MATURITY DATE	MATURITY FACTOR
03/07/2000	1000
05/07/2000	1002
01/05/2002	1667
17/11/2010	4789
21/12/2025	9999

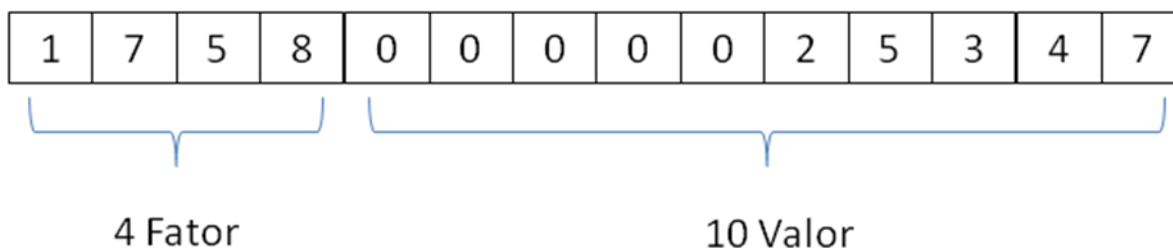## 18. Boletos with Maturity – "À Vista" or "Contra Apresentação"

If case of interest in delivering documents in such conditions then the following criteria should be followed:

- Add 15 calendar days to the "Issuance Date" of the Boleto
- The date obtained in this sum should be subtracted from the date 07/10/1997 (base date)
- The amount of days resulting from this subtraction should be inserted into the barcode and into the typeable line;
- The field "Maturity Date" in the Boleto should be filled with the words "A Vista" or "Contra Apresentação".

EXAMPLE			
(A)	Document's Emission Date:	05/12/2000	
(B)	Sum 15 days:	+ 15	
(C)	Sum Result:	20/12/2000	(A) + (B)
(D)	Beginning Date:	- 07/10/1997	
(E)	Amount of Days:	= 1170	(C) - (D)

RULES FOR MATURITY FACTOR INSERTION
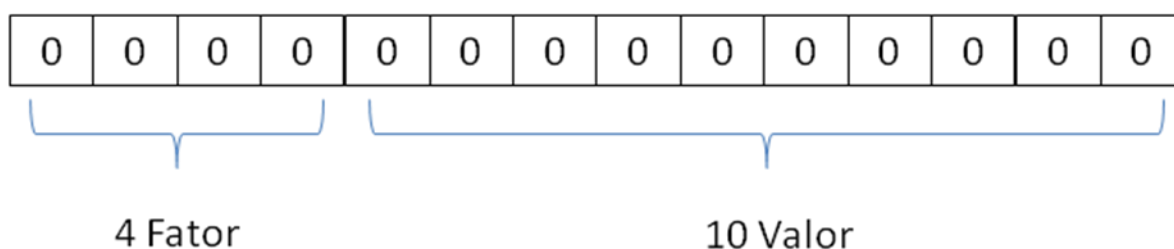
• **With Maturity Factor and With Amount:**

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1	7	5	8	0	0	0	0	0	2	5	3	4	7

4 Fator   10 Valor

- **With Maturity Factor and Without Amount:**

- **Without Maturity Factor and With Amount:**

0	0	0	0	0	0	0	0	0	2	5	3	4	7

4 Fator   10 Valor

- **Without Maturity Factor and Without Amount:**

0	0	0	0	0	0	0	0	0	0	0	0	0	0

4 Fator   10 Valor
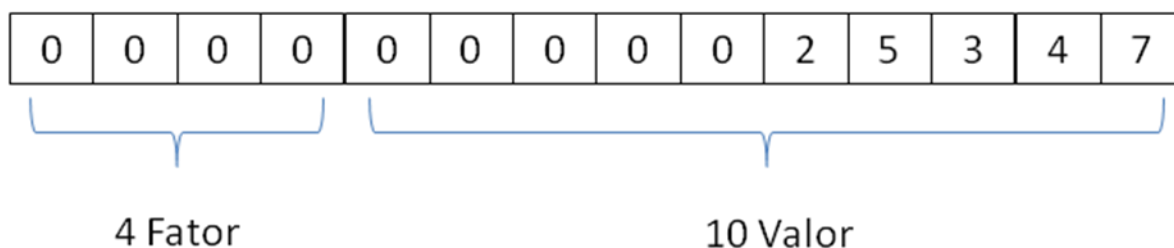
Note: Compliant to the Central Bank circular letter, the bank will not be responsible for financial charges not charged from an eventual boleto acceptance after its maturity date, when they are issued without the maturity factor indication in the Barcode.

19. Doubts?

Should you have any questions regarding the layout or product information on collection, we are available to assist you. Contact can be made through the e-mail L1.Brasil@db.com or by phone +55 11 2113 5827 and +55 11 2113 5493

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