

HEXACLE NV 2011

MATERIAL DATA SHEET

A. PRODUCT

HEXACLE NV2011 is the french reference of street's numbers, extracted from La Poste Production data, with an alphanumeric key which standardizes geographic addresses (roads and numbers). This key is named AEC (Address Extended Code).

This frame of references is constantly updated by the postal network thanks to indications of new roads and constructions by the postmen. HEXACLE NV 2011 contains 19 million AEC distributed like follows :

- 17 million AEC identifying geographic addresses with road numbers
- 2 million AEC identifying the roads (numbered or not)

B. OFFER

HEXACLE NV 2011 is suggested in addition to HEXAVIA NOV 2011 that contains the roads wordings of the 36 600 France communes.

A complete and updated version of HEXACLE NOV 2011 is available each month.

C. PURPOSE

1. HEXACLE NV 2011 allows geographic addresses codification up to road numbers.

- Line 4: number and road wording (street, hamlet ...)
- **Line 6: Post code and Town**

Example of AEC allocation for addresses with road numbers :

From the road wording found in HEXAVIA NV 2011, search in HEXACLE NV 2011 the AEC matching with the reference number of the road and the road number.

HEXAVIA NV 2011 road	Road reference number	Num	"HEXACLE NV 2011" AEC
RUE DES FLEURS	1001024	2	33015AA4C

2. HEXACLE NV 2011 allows the road wordings codification.

- Example of AEC allocation for the 1 million roads with a road number :

From the road wording found in HEXAVIA NV 2011, search in HEXACLE NV 2011 the AEC matching with the road reference number.

HEXAVIA NV 2011 road	Road reference number	Num	"HEXACLE NV 2011" AEC
RUE DES FLEURS	1001024		33015AAA8B

HEXAVIA NV 2011 road	Road reference number	Num	"HEXACLE NV 2011" AEC
RUE DES FLEURS	1001024	2	33015AAA4C

- Example of AEC allocation for the 1 million roads without road number :

From the road wording found in HEXAVIA NV 2011, search in HEXACLE NV 2011 of the AEC matching with the road reference number without number (in the road).

HEXAVIA NV 2011 road	Road reference number	Num	"HEXACLE NV 2011" AEC
HAMEAU DES FLEURS	1001025		33015AAGAA

3. SPECIAL CASES

- HEXACLE NV 2011 does not codify the line 5 (post box and so-called place). However, the necessary and useful hamlets for delivery are on line 4 and then are codified like roads.
- HEXACLE NV 2011 does not codify a CEDEX address.
- If allocation is not possible:
 When the address does not have line 4
 Example : GENDARMERIE
 25640 ST HILAIRE

When SNA references data do not match with customer file data.

Recommendation : allocate the town INSEE code.

D. FILES

Each file has the following characteristics :

- Approximately 960 Mo for the complete file and 2 Mo for the update file
- Fixed size recordings of 49-characters length (except characters of line end and file end)

Each file contains 2 kinds of recording :

- The logical entry "prefix" (top of the file)
- The logical entry "AEC"

Sorting criteria :

"AEC" logical entry : road reference number, number, long extension

Caption

1. Logical entry "prefix"

Zone	Designation	Size	Position	Type	Values
1	Creation dating	10	1	Date	jj/mm/aaaa
2	File wording	22	11	Alphanumeric	©LA POSTE HEXACLE
3	File format	17	33	Alphanumeric	COMPLETE / UPDATE
	Total length	49			

2. Logical entry "AEC"

Zone	Designation	Size	Position	Value
1*	Road reference number	8	1	
2*	road number	4	9	Num or space
3	Short extension	1	13	Optional
4*	Long extension	10	14	Optional
5	AEC	10	24	
6	Update code	1	34	C, M or S or space
7	Filler	15	35	

*Update key : area 1, area 2, area 4

E. DATA

ROAD REFERENCE NUMBER :

This reference number identifies uniquely the existing road in HEXAVIA NV 2011 and allows linking both files.

ROAD NUMBER :

It is the number written on the plate fixed on the building. This number is an even or an uneven sequential number (in most cases) but it can also be metric. If the building is identified with several numbers (15/17), only the first one is communicated (May 1997 AFNOR standard).

SHORT EXTENSION :

The extension number, sometimes called "repetition index", is a characteristic of a geographic point. It complements the number in the street with an alphabetic character.

The extension number can be :

- Either, short word for Bis, Ter, Quater, Quinquies (B, T, Q, C)
- Or, a letter (A, B, C, D, ...) when this character completes the road number.

LONG EXTENSION :

It matches :

- either with only one letter A, B, C, D ... (in this case, it is identical to the reduced word)
- or with the word BIS, TER, QUARTER ...

Until now, only the "short" extension was provided, what did not allow to infer the in extensor word associated with the number.

AEC :

It is invariable, including in case of the following administrative modifications :

- delete of a commune after a fusion
- commune splitting
- road designation changings

UPDATE CODE (1 alphanumeric code) :

- if it is a recording creation, the code will be C
- if it is a recording modification, the code will be M
- if it is a recording delete, the code will be S.

COMPLEMENTARY PRODUCTS

Address Authentication Range

HEXAPOSTE post and CEDEX codes frame of references
HEXAVIA France roads frame of references
HEXACLE road numbers frame of references

Press Routing Range

ROUDIS National delivery indicators for press routing
ROUTAGE Presse centralizers for press routing
ROUTAGE International exchange offices for international press routing

F. CONTACTS

Distributor of geographic references :

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