

## ID and Address file contents

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*Public document*

|          |            |
|----------|------------|
| Version: | 3.0        |
| Date:    | 12/10/2021 |

## Document history

| Versie | Datum      | Subject  |
|--------|------------|--|
| 1.0    | /          | Legacy   |
| 2.0    | 11/05/2021 | New format + Added changes for new EU(+) cards |
| 3.0    | 11/10/2021 | Added changes for the new non-EU card layout   |
|        |            |  |

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## 1 ID file

| File contents and format |                   |                                |   |               |               |                                   |     |           |
|--------------------------|-------------------|--------------------------------|---|---------------|---------------|-----------------------------------|-----|-----------|
| Tag (decimal)            | Tag (hexadecimal) | Current max. # bytes (decimal) | Data  | Encoding type | Default value | Envisioned max. # bytes (decimal) | eID | Foreigner |
| 0                        | 0                 | 2                              | File structure version  | Binary        | N/A           | 2                                 | ✓   | ✓         |
| 1                        | 1                 | 12                             | Card Number   | ASCII         | M             | 12                                | ✓   | ✓         |
| 2                        | 2                 | 16                             | Chip Number   | Binary        | M             | 16                                | ✓   | ✓         |
| 3                        | 3                 | 10                             | Card validity date begin: <b>DD.MM.YYYY</b>                       | ASCII         | M             | 10                                | ✓   | ✓         |
| 4                        | 4                 | 10                             | Card validity date end: <b>DD.MM.YYYY</b>                         | ASCII         | M             | 10                                | ✓   | ✓         |
| 5                        | 5                 | (42) *47                       | Card delivery municipality  | UTF-8         | M             | 80                                | ✓   | ✓         |
| 6                        | 6                 | 11                             | National Number   | ASCII         | M             | 11                                | ✓   | ✓         |
| 7                        | 7                 | (62) *90                       | Name  | UTF-8         | M             | 110                               | ✓   | ✓         |
| 8                        | 8                 | (52) *75                       | 2 first given names   | UTF-8         | ""            | 95                                | ✓   | ✓         |
| 9                        | 9                 | 3                              | First letter of 3 <sup>rd</sup> given name                        | UTF-8         | ""            | 3                                 | ✓   | ✓         |
| 10                       | 0A                | (50) *65                       | Nationality   | UTF-8         | M             | 85                                | ✓   | ✓         |
| 11                       | 0B                | (40) *60                       | Birth location  | UTF-8         | M             | 80                                | ✓   | ✓         |
| 12                       | 0C                | 12                             | Birth date: <b>DD mmmm YYYY</b><br>or <b>DD.mmm.YYYY</b> (German) | UTF-8         | M             | 12                                | ✓   | ✓         |
| 13                       | 0D                | 1                              | Sex<br><b>M</b> : man<br><b>F/V/W</b> : woman                     | ASCII         | M             | 1                                 | ✓   | ✓         |
| 14                       | 0E                | (21) *30                       | Noble condition   | UTF-8         | ""            | 50                                | ✓   | ✓         |

|    |    |   |  |       |   |   |   |   |
|----|----|---|--|-------|---|---|---|---|
| 15 | 0F | 2 | <p>Document type:</p> <p>1: eID</p> <p>6: Kids ID (&lt; 12 years)</p> <p>7: Bootstrap card</p> <p>8: "Habilitation/machtigings" card</p> <p>11: A-card</p> <p>12: B-card</p> <p>13: C-card</p> <p>14: D-card</p> <p>15: E-card</p> <p>16: E+-card</p> <p>17: F-card</p> <p>18: F+-card</p> <p>19: H-card</p> <p>20: I-card <sup>(c)</sup></p> <p>21: J-card <sup>(c)</sup></p> <p>22: M-card <sup>(d)</sup></p> <p>23: N-card <sup>(d)</sup></p> <p>27: K-card <sup>(f)</sup></p> <p>28: L-card <sup>(f)</sup></p> <p>31: EU-card</p> <p>32: EU+-card</p> <p>33: A-card <sup>(f)</sup></p> <p>34: B-card <sup>(f)</sup></p> <p>35: F-card <sup>(f)</sup></p> <p>36: F+-card <sup>(f)</sup></p> | ASCII | M | 2 | ✓ | ✓ |
| 16 | 10 | 1 | <p>Special status:</p> <p>0: No status</p> <p>1: White cane (blind people) <sup>(a)</sup></p> <p>2: Extended minority <sup>(a)</sup></p> <p>3: White cane + extended minority <sup>(a)</sup></p> <p>4: Yellow cane (partially sighted people) <sup>(a)</sup></p> <p>5: Yellow cane + extended minority <sup>(a)</sup></p>  | ASCII | 0 | 2 | ✓ | ✓ |

|    |    |    |  |                   |        |    |   |   |
|----|----|----|--|-------------------|--------|----|---|---|
| 17 | 11 | 48 | Hash of EF(Photo)  | Binary (SHA-384)  | M      | 48 | ✓ | ✓ |
| 18 | 12 | 2  | Duplicate  | ASCII             | 0      | 2  |   | ✓ |
| 19 | 13 | 1  | Special organisation:<br>1: SHAPE <sup>(a)</sup><br>2: NATO <sup>(a)</sup><br>4: Old European blue card<br>5: Researcher   | ASCII             | ""     | 1  |   | ✓ |
| 20 | 14 | 0  | Member of family   | Boolean           | absent |    |   | ✓ |
| 21 | 15 | 13 | Date and country of protection<br>dd.MM.yyyy-A2 <sup>(g)</sup>   | ASCII             | ""     | 13 |   | ✓ |
| 22 | 16 | 1  | Mentions:<br>7: Labour market : unlimited <sup>(c)</sup><br>8: Labour market : limited <sup>(c)</sup><br>9: Labour market : no <sup>(c)</sup><br>A: Seasonal worker <sup>(c)</sup> | ASCII             | ""     | 1  |   | ✓ |
| 23 | 17 | 13 | VAT number <sup>(c)</sup><br>xxxx.xxx.xxx  | ASCII             | ""     | 13 |   | ✓ |
| 24 | 18 | 13 | VAT number <sup>(c)</sup><br>xxxx.xxx.xxx  | ASCII             | ""     | 13 |   | ✓ |
| 25 | 19 | 18 | Regional file number <sup>(c)</sup>  | ASCII             | ""     | 18 |   | ✓ |
| 26 | 1A | 48 | Hash of EF(Puk#1 Basic)  | Binary<br>SHA-384 | M      | 48 | ✓ | ✓ |
| 27 | 1B | 1  | Mention: <sup>(d)</sup><br>B :Article 18(1) Agreement  | ASCII             | ""     | 1  |   | ✓ |
| 28 | 1C | 1  | Mention:<br>C : Séjour permanent   | ASCII             | ""     | 1  |   | ✓ |

|    |    |   |  |       |    |   |  |   |
|----|----|---|--|-------|----|---|--|---|
| 29 | 1D | 1 | Mentions:<br><b>A:</b> Seasonal worker <sup>(c)</sup><br><b>D:</b> Student <sup>(b,e)</sup><br><b>E:</b> School pupil <sup>(b,e)</sup><br><b>F:</b> Trainee <sup>(b,e)</sup><br><b>G:</b> Volunteer <sup>(b,e)</sup><br><b>H:</b> Au pair <sup>(b,e)</sup><br><b>I:</b> Researcher <sup>(b,e)</sup><br><b>J:</b> Job search <sup>(b,e)</sup> | ASCII | "" | 1 |  | ✓ |
| 30 | 1E | 1 | Mention:<br><b>K :</b> Mobility program <sup>(b,e)</sup>   | ASCII | "" | 1 |  | ✓ |

<sup>(a)</sup> Present on existing cards, but not used on new cards anymore.

<sup>(b)</sup> Directive (EU) 2016/801

<sup>(c)</sup> Directive (EU) 2011/98/EU

<sup>(d)</sup> Brexit withdrawal agreement

<sup>(e)</sup> Only for A-card

<sup>(f)</sup> Council Regulation (EC) 1030/2002

<sup>(g)</sup> A2 = Alpha-2 country code (ISO 3166)

## 2 Address file

| File contents and format |                   |                                |                        |               |               |                                   |     |           |
|--------------------------|-------------------|--------------------------------|------------------------|---------------|---------------|-----------------------------------|-----|-----------|
| Tag (Decimal)            | Tag (hexadecimal) | Current max. # bytes (decimal) | Data                   | Encoding type | Default value | Envisioned max. # bytes (decimal) | eID | Foreigner |
| 0                        | 0                 | 2                              | File structure version | Binary        | N/A           | 2                                 | ✓   | ✓         |
| 1                        | 1                 | 60                             | Street + number        | UTF-8         | M             | 60                                | ✓   | ✓         |
| 2                        | 2                 | 4                              | Zip code               | ASCII         | M             | 6                                 | ✓   | ✓         |
| 3                        | 3                 | 47                             | Municipality           | UTF-8         | M             | 47                                | ✓   | ✓         |

## 3 Additional information

### Maximum sizes:

- The tables contain the maximum size ("Max. # bytes") for each individual field.
- The tables also contain the envisioned maximum size ("Envisioned Max. # bytes") for each field; this is intended to anticipate some possible changes in the data size. All applications should use this value for their internal buffers allocation.

### Default Values:

- N/A = Not applicable
- M = Mandatory
- "" = empty/blank
- 0 = value equal to zero
- Absent = tag not present
- Signature = ECDSA SHA-2-384

### Birth date month encoding:

| Birth months |     |     |      |     |     |      |      |      |      |     |     |     |
|--------------|-----|-----|------|-----|-----|------|------|------|------|-----|-----|-----|
| French       | JAN | FEV | MARS | AVR | MAI | JUIN | JUIL | AOUT | SEPT | OCT | NOV | DEC |
| Dutch        | JAN | FEB | MAAR | APR | MEI | JUN  | JUL  | AUG  | SEP  | OKT | NOV | DEC |
| German       | JAN | FEB | MÄR  | APR | MAI | JUN  | JUL  | AUG  | SEP  | OKT | NOV | DEZ |