



ID and Address file contents

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

Contents

1	ID file	3
2	Address file	7
3	Additional information	7

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: <i>DD.MM.YYYY</i>	ASCII	M	10	✓	✓
4	4	10	Card validity date end: <i>DD.MM.YYYY</i>	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 rd 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: <i>DD mmmm YYYY</i> or <i>DD.mmm.YYYY</i> (German)	UTF-8	M	12	✓	✓
13	0D	1	Sex <i>M</i> : man <i>F/V/W</i> : 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 (< 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 ^(c)</p> <p>21: J-card ^(c)</p> <p>22: M-card ^(d)</p> <p>23: N-card ^(d)</p> <p>27: K-card ^(f)</p> <p>28: L-card ^(f)</p> <p>31: EU-card</p> <p>32: EU+-card</p> <p>33: A-card ^(f)</p> <p>34: B-card ^(f)</p> <p>35: F-card ^(f)</p> <p>36: F+-card ^(f)</p>	ASCII	M	2	✓	✓
16	10	1	<p>Special status:</p> <p>0: No status</p> <p>1: White cane (blind people) ^(a)</p> <p>2: Extended minority ^(a)</p> <p>3: White cane + extended minority ^(a)</p> <p>4: Yellow cane (partially sighted people) ^(a)</p> <p>5: Yellow cane + extended minority ^(a)</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: 1: SHAPE ^(a) 2: NATO ^(a) 4: Old European blue card 5: Researcher	ASCII	""	1		✓
20	14	0	Member of family	Boolean	absent			✓
21	15	13	Date and country of protection dd.MM.yyyy-A2 ^(g)	ASCII	""	13		✓
22	16	1	Mentions: 7: Labour market : unlimited ^(c) 8: Labour market : limited ^(c) 9: Labour market : no ^(c) A: Seasonal worker ^(c)	ASCII	""	1		✓
23	17	13	VAT number ^(c) xxxx.xxx.xxx	ASCII	""	13		✓
24	18	13	VAT number ^(c) xxxx.xxx.xxx	ASCII	""	13		✓
25	19	18	Regional file number ^(c)	ASCII	""	18		✓
26	1A	48	Hash of EF(Puk#1 Basic)	Binary SHA-384	M	48	✓	✓
27	1B	1	Mention: ^(d) B :Article 18(1) Agreement	ASCII	""	1		✓
28	1C	1	Mention: C : Séjour permanent	ASCII	""	1		✓

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

^(a) Present on existing cards, but not used on new cards anymore.

^(b) Directive (EU) 2016/801

^(c) Directive (EU) 2011/98/EU

^(d) Brexit withdrawal agreement

^(e) Only for A-card

^(f) Council Regulation (EC) 1030/2002

^(g) 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