

Required Data Elements for Driver's License Card (First Issuance)

Version 1.0 Dated 05 Dec, 2002

Usage **V** = Visible, **M** = Machine, **B** = Both, **VIZ** = Visible Inspection Zone, **MRZ** = Machine Readable Zone

Ref. #	Data element/ Label	Usage	Definition	Field Length and Type	Location in Text File (Format in which Data will be given to Boot operator/ Personalizer for DL Card personalization on VIZ and MRZ)	Location in Card Layout (Location on the smart card where the information will be stored) As per the DL card layout in Data Elements for DL.docx
1.	Version	M	The version field is fixed as 1.00	MRZ - 4 bytes	1-4	For MRZ: DF id 4000 File id : 4004, 4005 Tag Value: C0
2.	Name	B	NAME of the individual holding the Driving License. The name consists of three parts. The first part will be of the given name. The first name consists of only one single name with no blanks in between. The second part will be of the middle name(s). The middle name will be initialized. If the applicant has more than one middle name, the first letter of all the middle names can be used without any blanks separating them. The third and last part will contain the last name. The third name again consists of one single name with no blanks in between. For each of the first and last parts of the name 17 characters are available and for the middle name(s) 6 characters are available. The objective is	VIZ - 40 char MRZ -40 bytes 17+6+17 Fixed	First Name 5 -21 Middle Name 22-27 Last Name 28-44	For MRZ: DF id 4000 File id 4004 Tag Value: C1 For the fixed 40 bytes for name field, following is the breakup for first, middle and last names: First Name: 1 - 17 bytes Middle Name: 18 - 23 bytes Last Name: 24 - 40 bytes

Ref. #	Data element/ Label	Usage	Definition	Field Length and Type	Location in Text File (Format in which Data will be given to Boot operator/ Personalizer for DL Card personalization on VIZ and MRZ)	Location in Card Layout (Location on the smart card where the information will be stored) As per the DL card layout in Data Elements for DL.docx
			that the first and the last name should be in full and the middle name(s) can be initialized (abbreviated). All the three parts of the name are left aligned within the respective fields, i.e., the personalizer will start printing the name from the left hand side of each subpart. While printing name on VIZ all the three parts will be trimmed on the right, in the respective fields, for any spaces on them and will be separated by a blank. Similarly while writing in MRZ the same name would be printed as in VIZ preceded with Tag C1 and length including blanks. For Example: Binod VR Kumar First Middle Last			
3.	Son/ Wife/ Daughter Of	B	Same as above	VIZ -40 Char MRZ-40 Bytes 17+6+17 Fixed	First Name 45 -61 Middle Name 62-67 Last Name 68-84	For MRZ: DF id : 4000, File id : 4004 Tag Value: C2 For the fixed 40 bytes for name field, following is the breakup for first, middle and last names: First Name: 1 - 17 bytes Middle Name: 18 - 23 bytes Last Name: 24 - 40 bytes

Ref. #	Data element/ Label	Usage	Definition	Field Length and Type	Location in Text File (Format in which Data will be given to Boot operator/ Personalizer for DL Card personalization on VIZ and MRZ)	Location in Card Layout (Location on the smart card where the information will be stored) As per the DL card layout in Data Elements for DL.docx
4.	Address	V	Current Postal Address of the DL holder including pin code, if available, will appear in three lines. Each segment will be separated with a blank space.	VIZ 68 char 18 + 25 + 25	85-152	
5.	Date of Birth	B	Date of birth of the license holder. In MRZ the date will be stored as a 8 digit integer in packed BCD format in the dd-mm-yyyy format. For Example: VIZ: 10-02-2002 MRZ: 10H 02H 20H 02H (4 Bytes Hexadecimal)	VIZ – 10 char MRZ – 4 bytes	VIZ: dd-mm-yyyy 153-162 MRZ: ddmmyyyy 163-170	For MRZ: DF id 4000 File id 4004 Tag Value: C3
6.	DL Number	B	The backend software will allot a unique license number for each license holder. First 2 chars for State Code, next 2 chars for the Authority Code for the state, next 1 char for (New/ Renewed/ Duplicate) 4 chars for year of issuance in yyyy format 6 digit for running serial number for the year, 1 digit for checksum. While printing the DL number on VIZ the DL number will include	VIZ – 18 char space including 2 hyphens MRZ – 16 bytes Fixed Including 1 check digit	171-186	For MRZ: DF id 4000 File id : 4004 Tag Value: C4

Ref. #	Data element/ Label	Usage	Definition	Field Length and Type	Location in Text File (Format in which Data will be given to Boot operator/ Personalizer for DL Card personalization on VIZ and MRZ)	Location in Card Layout (Location on the smart card where the information will be stored) As per the DL card layout in Data Elements for DL.docx
			two hyphens as given in the example below: VIZ: SCACN-yyyy-123456C			
7.	Issuing authority	B	Each issuing authority shall have a unique identifier. This field will have 16 characters, structure of which is, ST RTO EMP-CAT ID Check Digit XX 999 XX 99999999 9	MRZ – 16 bytes	187-202	For MRZ: DF id 4000 File id 4004 Tag Value: C5
8.	Date of Issue	B	Date of issue of the driving license. Refer (5) above for details on storage of date on MRZ.	VIZ – 10 char MRZ – 4 bytes	VIZ- dd-mm-yyyy 203-212 MRZ- ddmmyyyy 213-220	For MRZ: DF id 4000 File id 4004 Tag Value: CA
9.	Valid Till (Transport)	B	Date till which the DL is valid for transport class of vehicles. Refer (5) above for details on storage of date on MRZ.	VIZ – 10 char MRZ – 4 bytes	VIZ: dd-mm-yyyy 221-230 MRZ: ddmmyyyy 231-238	For MRZ: DF id 4000 File id 4005 Tag Value: C6
10.	Valid Till (Non-Transport)	B	Date till which the DL is valid for non-transport class of vehicles. Refer (5) above for details on storage of date on MRZ.	VIZ – 10 char MRZ – 4 bytes	VIZ: dd-mm-yyyy 239-248 MRZ: ddmmyyyy 249-256	For MRZ: DF id 4000 File id 4005 Tag Value: C7

Ref. #	Data element/ Label	Usage	Definition	Field Length and Type	Location in Text File (Format in which Data will be given to Boot operator/ Personalizer for DL Card personalization on VIZ and MRZ)	Location in Card Layout (Location on the smart card where the information will be stored) As per the DL card layout in Data Elements for DL.docx
11.	Vehicle Info (as under)	B	One license will be able to hold information for 4 classes of vehicles. The vehicle info of each vehicle consists of the following subparts: Vehicle Class: Six characters code will be printed on the card for each class in one line.	VIZ 6 chars MRZ 6 bytes		For MRZ: DF id: 4000 File id: 4005 Tag Value: C8 The various data items of the Vehicle info are given. One license will be able to hold 4 classes of vehicle. Each of the four vehicle classes starts with the tag C8 followed by the actual info data.
		M	Name of the Testing Authority: Short names of the authority conducting the driving test for respective class of vehicle.	MRZ 20 bytes		
		M	Designation of the testing Authority: Designation of the authority conducting the driving test for respective class of vehicle. In case the designation is of longer character length, then it will be abbreviated meaningfully.	MRZ 20 bytes		
		B	Respective date of issue: The date of issue of the respective vehicle classes. Refer (5) above for details on storage of date on MRZ.	VIZ 10 chars MRZ 4 bytes		

Ref. #	Data element/ Label	Usage	Definition	Field Length and Type	Location in Text File (Format in which Data will be given to Boot operator/ Personalizer for DL Card personalization on VIZ and MRZ)	Location in Card Layout (Location on the smart card where the information will be stored) As per the DL card layout in Data Elements for DL.docx
11.1	Vehicle Details 1		Vehicle info for the first vehicle class.		Vehicle Class 257-262 Name Test Auth 263-282 Desgn Test Auth 283-302 Issue Date (VIZ) 303-312 Issue Date (MRZ) 313-320	For MRZ: DF id: 4000 File id: 4005 Tag Value: C8 For the 50 bytes for vehicle info field, follows is the breakup for info subparts: Vehicle Class: 1 – 6 bytes Name of testing authority: 7 – 26 bytes Designation of testing authority: 27 - 46 bytes Respective issue date: 47-50 bytes
11.2	Vehicle Details 2		Vehicle info for the second vehicle class.		Vehicle Class 321-326 Name Test Auth 327-346 Desgn Test Auth 347-366 Issue Date (VIZ) 367-376 Issue Date(MRZ) 377-384	For MRZ: DF id: 4000 File id: 4005 Tag Value: C8 For the 50 bytes for vehicle info field, follows is the breakup for info subparts: Vehicle Class: 1 – 6 bytes Name of testing authority: 7 – 26 bytes Designation of testing authority: 27 - 46 bytes Respective issue date: 47-50 bytes

Ref. #	Data element/ Label	Usage	Definition	Field Length and Type	Location in Text File (Format in which Data will be given to Boot operator/ Personalizer for DL Card personalization on VIZ and MRZ)	Location in Card Layout (Location on the smart card where the information will be stored) As per the DL card layout in Data Elements for DL.docx
11.3	Vehicle Details 3		Vehicle info for the third vehicle class.		Vehicle Class 385-390 Name Test Auth 391-410 Desgn Test Auth 411-430 Issue Date (VIZ) 431-440 Issue Date (MRZ) 441-448	For MRZ: DF id: 4000 File id: 4005 Tag Value: C8 For the 50 bytes for vehicle info field, follows is the breakup for info subparts: Vehicle Class: 1 – 6 bytes Name of testing authority: 7 – 26 bytes Designation of testing authority: 27 - 46 bytes Respective issue date: 47-50 bytes
11.4	Vehicle Details 4		Vehicle info for the fourth vehicle class.		Vehicle Class 449-454 Name Test Auth 455-474 Desgn Test Auth 475-494 Issue Date (VIZ) 495-504 Issue Date (MRZ) 505-512	For MRZ: DF id: 4000 File id: 4005 Tag Value: C8 For the 50 bytes for vehicle info field, follows is the breakup for info subparts: Vehicle Class: 1 – 6 bytes Name of testing authority: 7 – 26 bytes Designation of testing authority: 27 - 46 bytes Respective issue date: 47-50 bytes

Ref. #	Data element/ Label	Usage	Definition	Field Length and Type	Location in Text File (Format in which Data will be given to Boot operator/ Personalizer for DL Card personalization on VIZ and MRZ)	Location in Card Layout (Location on the smart card where the information will be stored) As per the DL card layout in Data Elements for DL.docx
12.	Badge Info (as under)					For MRZ: DF id: 4000 File id: 4005 Tag Value: C9 The various data items of the Badge info are given below. The badge info starts with the tag C9 followed by the actual info data.
12.1	Badge Number	B	Unique badge number.	VIZ – 10 char MRZ – 10 bytes	513 – 522	Out of the 28 bytes of Badge info 1-10 bytes will be for badge number.
12.2	Last date of validity	M	Last date of validity. No information will be written on VIZ. In case required, a separate paper certificate can be issued in conjunction with writing/ renewing on MRZ. Refer (5) above for details on storage of date on MRZ.	MRZ – 4 bytes	MRZ: ddmmyyyy 523-530	Out of the 28 bytes of Badge info 11-14 bytes will be for last date of validity.
12.3	Authorization Number	M	Authorization Number	MRZ – 10 bytes Fixed	531-540	Out of the 28 bytes of Badge info 15-24 bytes will be for badge number.

Ref. #	Data element/ Label	Usage	Definition	Field Length and Type	Location in Text File (Format in which Data will be given to Boot operator/ Personalizer for DL Card personalization on VIZ and MRZ)	Location in Card Layout (Location on the smart card where the information will be stored) As per the DL card layout in Data Elements for DL.docx
12.4	Authorization Date	M	Date of Authorization in dd-mm-yyyy form Refer (5) above for details on storage of date on MRZ.	MRZ – 4 bytes Fixed	MRZ: ddmmyyyy 541-548	Out of the 28 bytes of Badge info 25-28 bytes will be for badge number.