



Figure III-2. Data group reference numbers assigned to LDS

Note.—A receiving State or approved receiving organization is not allowed to record data under this edition of Doc 9303, Part 1. Therefore, Data Groups 17 through 19 are not valid, nor are they supported in LDS at the present time. Their inclusion here indicates planned future development.

Data Group	Mandatory (M) / Optional (O)	Data Item
Automated border clearance detail(s)		
DG17	O	Automated border clearance
Electronic visas		
DG18	O	Electronic visa(s)
Travel record detail(s)		
DG19	O	Travel record(s)

12. Format of Data Elements

12.1 Data Element Directory

This section describes the Data Elements that may be present in each Data Group.

12.1.1 Issuing State or approved issuing organization Data Elements

Data Groups 1 (DG1) through 16 (DG16): Data Elements and their format within each Data Group area as follows:

A = Alpha character [a..z, A..Z], N = Numeric character [0..9], S = Special character ['<', ' '], B = 8-bit Binary data (any other than A, N or S), F = fixed-length field, Var = variable-length field

Data Element	Optional or Mandatory	Name of Data Element	Number of Bytes	Fixed or Variable	Type of Coding	Coding Requirements
DATA GROUP 1: Data recorded in MRZ						
01	M	Document type	2	F	A,S	Document type (as per Doc 9303 MRZ)
02	M	Issuing State or organization	3	F	A,S	Issuing State or organization (as per Doc 9303 MRZ)
03	M	Name of holder				
	M	Primary and secondary identifiers	39	F	A,S	Single and double filler characters (-) inserted as per Doc 9303 MRZ.

Tag	Definition	Where Used
'5F28'	Issuing State or organization	Part of MRZ
'5F2B'	Date of birth	Part of MRZ
'5F2C'	Nationality	Part of MRZ
'5F35'	Sex	Part of MRZ
'5F57'	Date of birth (6 digit)	Part of MRZ

15.3 Tags reserved for future use (normative)

Tag	Definition	Where Used
'5F44'	Country of entry/exit	Travel records
'5F45'	Date of entry/exit	Travel records
'5F46'	Port of entry/exit	Travel records
'5F47'	Entry/Exit indicator	Travel records
'5F48'	Length of stay	Travel records
'5F49'	Category (classification)	Travel records
'5F4A'	Inspector reference	Travel records
'5F4B'	Entry / Exit indicator	Travel records
'71'	Template for electronic visas	
'72'	Template for border crossing schemes	
'73'	Template for travel record Data Group	

A.16 *Minimum requirements for interoperability.* The following are the minimum requirements for interoperability of proximity (ISO/IEC 14443) contactless IC-based MRTDs:

- ISO/IEC 14443 Parts 1-4 and ISO/IEC 10373-6 compliant also considering amendments to both standard series;
- Type A or Type B signal interface;¹⁴
- Support for a file structure as defined by ISO/IEC 7816-4 for variable length records;
- Support for one or more applications and appropriate commands as defined by ISO/IEC 7816-4, 5.

For more detailed information, refer to the Section II.

A.17 *Commands and command parameters that may be used by the interface device*

A.17.1 The following is a typical processing sequence for the selection of the DF1 application and the retrieval of data from an elementary file. The same retrieval (read) process is used for all elementary files in the DF. The validity of the Data Groups from DF1 may then be verified by calculating the hash value for a Data Group and comparing it to the hash value retrieved from the Security Data EF.SOD.

The typical sequence of actions will be as follows:

- Document enters operating field of Proximity Coupling Device (PCD)
- IC responds to Request for Command-Type A (REQA) or Request for Command-Type B (REQB) with Answer to Request-Type A (ATQA) or Answer to Request-Type B (ATQB), as appropriate.

14. Note this implies that readers (Proximity Coupling Devices) must be capable of reading Type A and B.