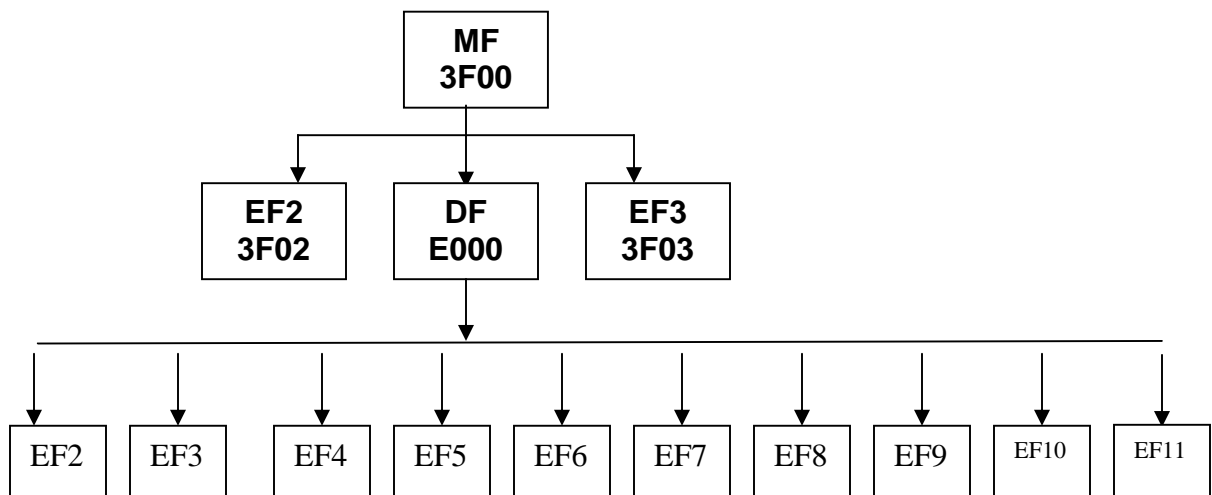


Rastriya Swasthya Bima Health (RSBH) Card Layout

Date : 20 March 2008
Version : V 2.0
Size : 32K

The **RSBH** card will have a file structure shown below.



Details of files are listed below: -

1. **E004: Family File**
2. **E005: Template File**
3. **E006: Member File**
4. **E007: Family Photograph File**
5. **E008: Insurance details File**
6. **E009: Blocked Transactions File**
7. **E010: History Transactions File**

1. FCP of MF

The MF will have the following FCP.

Tag	Len	Value	Remarks
82	01	38	FDB Only

Card Layout for Rastriya Swasthya Bima Card

83	02	3F 00	File identifier
8A	01	01 or 05	LCSI (When file is created First in Creation State Later it will be turned to 05 after Key Insertion).
8C	07	6F FF FF FF 21 FF FF	Security Attributes. Delete File(Self): Never Terminate Card Usage MF: Never Deactivate: Never Create File –DF : SE#1 Create File-EF : Never Delete File (Child) : Never
AB	05	84 01 DA 97 00	PUT DATA (INS DA) Never allowed.
8D	02	3F03	SE File

The RBC-DF will have the following FCP.

Tag	Len	Value	Remarks
82	01	38	FDB Only
83	02	E000	File identifier
8A	01	01 or 05	LCSI (When file is created First in Creation State Later it will be turned to 05 after Insertion of Key).
8C	07	6F FF FF FF FF 23 FF	Security Attributes. AM Byte: 6B Delete File(Self): Never Terminate DF: Never Deactivate: Never Create File –DF : Never Create File-EF: Conditional upon SE#3. Delete File (Child) : Never
AB	06	84 01 DA 9E 01 23	PUT DATA (INS DA) CONDITIONAL UPON SE#3.
8D	02	E003	SE File

Note: - There is only one data object under this DF, which has Tag 02 00 to store the chip number of the split card. This has the TLV structure.

2. Family File: DF-EF4 (Non Modifiable)

The FCP of the Family file will be as follows:

Tag	Len	Value	Remarks
80	02		File size Dynamic.
82	02	01 01	FDB (Transparent Working EF) DCB (Write Once, 1 byte Data unit)
83	02	E0 04	File identifier
88	01	20	SFI

Card Layout for Rastriya Swasthya Bima Card

8A	01	01 or 05	LCSI. When file is created first, it will be in 01 State (creation). Later it will be turned into 05 (Activated state after Key Insertion).
8C	05	6A FF FF FF FF	Security Attributes. Delete File: Never Terminate EF: Never Deactivate EF: Never Update Binary: Never

This file has Composite TLV structure with TAG **C0**, the two byte length of this tag will be calculated dynamically, based on the overall size of data stored within. Value field shall be a sequence of TLV structures for respective data elements with the tags as defined in the table given below.

The file size will be calculated dynamically and shall be of the length of **C0** Tag plus three bytes (One byte for Tag code C0 and two bytes for length field).

Field	Description	TAG	Max Size
URN	UNIQUE RELATIONSHIP NUMBER	C1	17
FAMID	Family ID for the respective family	C2	10
MEMID	Member ID of the respective family	C3	1
Enrl Date	Enrollment Date	C4	4(BCD)
NAME	NAME OF THE HEAD OF FAMILY	C5	75
NAMEREG	Name In regional language (Unicode)	C6	75
FName	Father/Husband Name	C7	75
Age	Age of head of family	C8	2(BCD)
Gender	Gender of head of family	C9	1
Add1	Door/House #	CA	50
Add2	Village Code	CB	13
Add3	Village Name	CC	50
Add4	Panchayat /Town Code	CD	10
Add5	Panchayat Name	CE	50
Add6	Block code	D0	7
Add7	Block Name	D1	50
Add8	District Code	D2	4
Add9	District Name	D3	50
Add10	State Code	D4	2
Add11	State Name	D5	50
CardIssueDate	Date of Card Issuance	D6	4(BCD)

Card Layout for Rastriya Swasthya Bima Card

CVT	Card Valid Till	D7	4(BCD)
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3. Family File: DF-EF5 (Modifiable)

The FCP of the Member file will be as follows:

Tag	Len	Value	Remarks
80	02	02 08	File size (520 bytes fixed)
82	02	01 01	FDB (Transparent Working EF) DCB (Write Once, 1 byte Data unit)
83	02	E0 05	File identifier
88	01	28	SFI
8A	01	01 or 05	LCSI. When file is created first, it will be in 01 State (creation). Later it will be turned into 05 (Activated state after Key Insertion).
8C	05	6A FF FF FF 23	Security Attributes Delete File: Never Terminate EF: Never Deactivate EF: Never Update Binary: SE#3

Field	Description	Start Byte	End Byte	Length
FinID	Finger ID	1	1	1
MTemp	Minutia Template	2	513	512
BPLC	BPL Citizen	514	514	1
CType	Card Type(Split/New/Duplicate)	515	515	1
App Flag	Application Flag	516	516	1

4. Member File: DF-EF6 (Modifiable)

The FCP of the Member file will be as follows:

Tag	Len	Value	Remarks
80	02	0D F9	File size (3600 bytes fixed)-32 K
82	02	01 01	FDB (Transparent Working EF) DCB (Write Once, 1 byte Data unit)
83	02	E0 06	File identifier
88	01	30	SFI
8A	01	01 or 05	LCSI. When file is created first, it will be in 01 State (creation). Later it will be turned into 05 (Activated state after Key Insertion).

Card Layout for Rastriya Swasthya Bima Card

8C	05	6A FF FF FF 23	Security Attributes Delete File: Never Terminate EF: Never Deactivate EF: Never Update Binary: SE#3
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The data in the file shall be structured as described below,

A	B	C	D	E	F	G
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As described above figure, data shall be structured in the blocks from A to G, such that,

- *A Block* is of one byte which contains the number of blocks, subsequently written in the file. For example if only B,C and D blocks are written then A shall have number 3 written in one byte.
- Blocks B to G shall have data stored for respective family members, thereby enabling to store the data of maximum **six(in 32K Card)** family members as described in Table A given below. Each block shall be of size 596 bytes.
- If the number of members is less than six/four then the data will be written only for the existing members and spaces ear marked for non existing members shall be filled with all zeros. **The empty space in the file will be padded with all zeros.**
- **In case of deletion of any member details, all the record will be moved upward, so that all trailing zeros will be in the end of file.**
- **Internal structure of each block from B to G i.e. data elements for each family members are described in Table B, with the byte positioning within block for each family member specific data element.**

Block	Start Byte	End Byte	Length
B	2	597	596
C	598	1193	596
D	1194	1789	596
E	1790	2385	596
F	2386	2981	596
G	2982	3577	596

Table A(for 32 K Card)

Field	Description	Start Byte	End Byte	Length
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Card Layout for Rastriya Swasthya Bima Card

MEMID	Member ID of the respective family	1	1	1
NAME	Name of the Member of the family	2	76	75
Age	Age of Member of the family	77	79	3
Gender	Gender of Member of the family	80	80	1
RelCode	Relation Code	81	82	2
Application Flag	Flag	83	83	1
FinID	Finger ID	84	84	1
MTemp	Minutia Template	85	596	512

Table B

5. Family Photograph File: DF-EF7 (Modifiable)

The FCP of the Photograph file will be as follows:

Tag	Len	Value	Remarks
80	02	2008	File size (8200bytes)-32K Card
82	02	01 01	FDB (Transparent Working EF) DCB (Write Once, 1 byte Data unit)
83	02	E007	File identifier
88	01	38	SFI
8A	01	01 or 05	LCSI. When file is created first, it will be in 01 State (creation). Later it will be turned into 05 (Activated state after Key Insertion).
8C	05	6A FF FF FF 23	Security Attributes. AM Byte: 6A Delete File: Never Terminate EF: Never Deactivate EF: Never Update Binary: SE#3

Field	Description	Start Byte	End Byte
Image	Photograph of the family	1	8194

6. Insurance Details File: DF-EF8 (Modifiable)

The FCP of the Insurance file will be as follows.

Tag	Len	Value	Remarks
80	02	005E	File size (94bytes)

Card Layout for Rastriya Swasthya Bima Card

82	02	01 01	FDB (Transparent Working EF) DCB (Write Once, 1 byte Data unit)
83	02	E008	File identifier
88	01	40	SFI
8A	01	01 or 05	LCSI. When file is created first, it will be in 01 State (Creation). Later it will be turned into 05 (Activated state after Key Insertion).
8C	05	6A FF FF FF 23	Security Attributes. AM Byte: 6A Delete self: Never Terminate EF: Never Deactivate EF: Never Update Binary: SE#3

Field	Description	Start Byte	End byte	Length
INSCCode	Insurance Company Code	1	12	12
INCCName	Insurance company name	13	42	30
PolicyNo	Policy No	43	62	20
MAmtIns	Maximum amount Inserted	63	70	8
TravelAmtS	Amount sanctioned for travel claim	71	78	8
SDateIns	Start Date of Insurance	79	86	8
ExDateIns	Expiry Date of Insurance	87	94	8

7. Blocked Transactions File: DF-EF9 (Modifiable)

The FCP of the file will be as follows.

Tag	Len	Value	Remarks
82	05	03 01 00 37 0A	FDB (Liner Fixed Record simple TLV working EF) DCB (Write Once, 1 byte Data unit) MRL (55 bytes Size Of each record including Tag and length) Number of records
83	02	E009	File identifier
88	01	48	SFI
8A	01	01 or 05	LCSI. When file is created first, it will be in 01 State (Creation). Later it will be turned into 05 (Activated state after Key Insertion).
8C	05	6A FF FF FF 21	Security Attributes. AM Byte: 6A Delete self: Never Terminate EF: Never Deactivate EF: Never Update Record: SE#1

The contents of the file will include the records with simple TLV structure. The tags will be a number from 01 to 0A, unique for each record.

Card Layout for Rastriya Swasthya Bima Card

Field	Description	Max Size
MemberID	Member ID	1
AuthorityID	Authority ID	8
HsCode	Hospital Code	8
AdminDate	Date of Admission	4(BCD)
PkgCode	Package Code	10
AmtBlock	Amount Blocked	8
Appl Data	Application Data	14

Application Data of 14 bytes will have No. of days (for variable Package type) in the following TLV structure

TLV for storing No. of days

Tag :C0

Length :2

Value :XX (No of days)

Remaining 10 bytes left will be used for any application specific future requirements. Any information written in this field shall have the approved TLV structure.

8. History Transactions File: DF-EF10 (Modifiable)

The FCP of the file will be as follows.

Tag	Len	Value	Remarks
82	05	03 01 00 60 0F	FDB (Liner Fixed Record simple TLV working EF) DCB (Write Once, 1 byte Data unit) MRL (96 bytes size Of each record including Tag and length) Number of records (15)
83	02	E010	File identifier
88	01	50	SFI
8A	01	01 or 05	LCSI. When file is created first, it will be in 01 State (Creation). Later it will be turned into 05 (Activated state after Key Insertion).
8C	05	6A FF FF FF 21	Security Attributes. AM Byte: 6A Delete File: Never Terminate EF: Never Deactivate EF: Never Update Record: SE#1

The contents of the file will include the records with simple TLV structure. The tags will be a number from 01 to 0F, unique for each record.

Card Layout for Rastriya Swasthya Bima Card

Field	Description	Max Size
MemberID	Member ID	1
TransCD	Transaction Code	2
TerminalID	Terminal ID	4
BatchID	Batch ID	3
SERReceipt	Serial No of Receipt	3
TransDate	Transaction Date	4
TransTime	Transaction Time	3
HSCode	Hospital Code	8
PREBal	Previous Balance	8
TransTyp	Transaction Type	1
AMTBlock	Amount Blocked/ Debited	8
PAKCD	Package Code/Authorization No	10
DateofAdmin	Date Of Admission	8
DateDis	Date Of Discharge	8
InFun	In-Sufficient Funds	1
Amt	Amount	8
Appl Data	Application Data	14

Note: -

- **In case of empty space in the end all will be filled with zeros. Record with oldest Transaction Date and Transaction Time will be overwritten if all the fifteen records are written.**
- **Application Data of 14 bytes is reserved for any application specific future requirements. Any information written in this field shall have the approved TLV structure.**

The FCP of the file will be as follows.

Tag	Len	Value	Remarks
80	02	003C	File Size(60 Bytes)
82	02	01 01	FDB (Transparent Working EF) DCB(Write Once, 1 byte Data Unit)
83	02	E011	File Identifier
88	01	58	SFI
8A	01	01 or 05	LCSI. When file is created first, it will be in 01 State (Creation). Later it will be turned into 05 (Activated state after Key Insertion).
8C	05	6A FF FF FF 21	Security Attributes. AM Byte: 6A Delete File: Never Terminate EF: Never Deactivate EF: Never Update Record: SE#1

Card Layout for Rastriya Swasthya Bima Card

Field	Description	Start Byte	End Byte	Length
AmtCT	Amount claimed for treatment	1	8	8
AmtCTravel	Amount claimed for travel	9	16	8
AmtBlk	Amount Blocked	17	24	8
AuthorityID	Authority ID	25	32	8
HSCode	Hospital Code	33	40	8
UptDate	Last updated date	41	48	8