

**Source:** TSG-T3  
**Title:** Change Requests to TS 11.11 and TS 51.011 "SIM"  
**Document for:** Approval

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This document contains several change requests as follows:

Doc-1st-Level	Spec	CR	Phase	Subject	Cat	Vers. old	Vers. new	Doc-2nd-Level
TP-020278	11.11	A133	R99	Essential corrections file size and record lengths in several EFs	F	8.8.0	8.9.0	T3-020917
TP-020278	51.011	016	Rel-4	Essential corrections file size and record lengths in several EFs	A	4.5.0	4.6.0	T3-020918

CR-Form-v7

## CHANGE REQUEST

⌘ **11.11 CR A133** ⌘ rev **-** ⌘ Current version: **8.8.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

**Proposed change affects:** UICC apps  ME  Radio Access Network  Core Network

<b>Title:</b>	⌘ Essential corrections file size and record lengths in several EFs		
<b>Source:</b>	⌘ TSG T3		
<b>Work item code:</b>	⌘ TEI	<b>Date:</b>	⌘ 07/11/2002
<b>Category:</b>	⌘ <b>F</b>	<b>Release:</b>	⌘ R99
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	<b>F</b> (correction)		2 (GSM Phase 2)
	<b>A</b> (corresponds to a correction in an earlier release)	R96 (Release 1996)	
	<b>B</b> (addition of feature),	R97 (Release 1997)	
	<b>C</b> (functional modification of feature)	R98 (Release 1998)	
	<b>D</b> (editorial modification)	R99 (Release 1999)	
	Detailed explanations of the above categories can be found in 3GPP TR 21.900.	Rel-4 (Release 4)	
		Rel-5 (Release 5)	
		Rel-6 (Release 6)	

<b>Reason for change:</b>	⌘ The file size and record length bytes are incorrect in several EFs		
<b>Summary of change:</b>	⌘ The description of file size of the file EF <sub>HPLMWA<sub>act</sub></sub> and the record length in EF <sub>ORPK</sub> , EF <sub>ARPK</sub> , EF <sub>TPRPK</sub> and EF <sub>SDN</sub> were changed to the correct length. Comments were added in the chapter "Elementary Files".		
<b>Consequences if not approved:</b>	⌘ Incorrect description of the file sizes and record length of several EFs within the specification		

<b>Clauses affected:</b>	⌘ 6.4; 10.3.77; 10.4.2.2; 10.4.2.3; 10.4.2.4; 10.5.9										
<b>Other specs Affected:</b>	<table border="1" style="display: inline-table; border-collapse: collapse;"> <tr> <td style="width: 20px; text-align: center;">Y</td> <td style="width: 20px; text-align: center;">N</td> </tr> <tr> <td style="text-align: center;">X</td> <td style="text-align: center;"></td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">X</td> </tr> <tr> <td style="text-align: center;"></td> <td style="text-align: center;">X</td> </tr> </table>	Y	N	X			X		X	Other core specifications	⌘ TS 51.011 ; 31.102
Y	N										
X											
	X										
	X										
		Test specifications									
		O&M Specifications									
<b>Other comments:</b>	⌘										

## 6.4 Elementary files

An Elementary File (EF) is composed of a header and a body part. The following three structures of an EF are used by GSM.

A file is associated with attributes that depending of the file type indicates how data is to be accessed e.g. file size, record length etc. Although in the present document some files and data structures stored in a file are indicated as having a fixed length; when reading such structures the terminal shall derive the length of the structure from the attributes provided in the file information i.e. not use the fixed value specified for the file in the present document. Although the terminal is able to read the entire structure it should only use those elements from the structure which is recognised by the terminal.

### 10.3.37 EF<sub>HPLMNwAcT</sub> (HPLMN Selector with Access Technology)

The HPLMN Selector with access technology data field shall contain the HPLMN code, or codes together with the respective access technology in priority order (see TS 23.122 [51]).

Identifier: '6F62'		Structure: transparent		Optional
File size: 5n (n ≥ 1) bytes		Update activity: low		
Access Conditions:				
READ		CHV1		
UPDATE		ADM		
INVALIDATE		ADM		
REHABILITATE		ADM		
Bytes	Description	M/O	Length	
1 to 3	1 <sup>st</sup> PLMN (highest priority)	M	3 bytes	
4 to 5	1 <sup>st</sup> PLMN Access Technology Identifier	M	2 bytes	
6 to 8	2 <sup>nd</sup> PLMN	O	3 bytes	
9 to 10	2 <sup>nd</sup> PLMN Access Technology Identifier	O	2 bytes	
:	:			
(5n-4) to (5n-2)	N <sup>th</sup> PLMN (lowest priority)	O	3 bytes	
(5n-1) to 5n	N <sup>th</sup> PLMN Access Technology Identifier	O	2 bytes	

- PLMN

Contents:

Mobile Country Code (MCC) followed by the Mobile Network Code (MNC).

Coding:

according to TS 24.008 [47].

- Access Technology

Contents: The Access Technology of the HPLMN that the MS will assume when searching for the HPLMN, in priority order. The first Access Technology in the list has the highest priority.

Coding: See EF<sub>PLMNwAcT</sub> for coding.

### 10.4.2.2 EF<sub>ORPK</sub> (Operator Root Public Key)

This EF contains the descriptor(s) of certificates containing the Operator Root Public Key. This EF shall only be allocated if the operator wishes to verify applications and certificates in the MExE operator domain using a root public key held on the SIM. Each record of this EF contains one certificate descriptor.

For example, Operator may provide a second key for recover disaster procedure in order to limit OTA data to load.

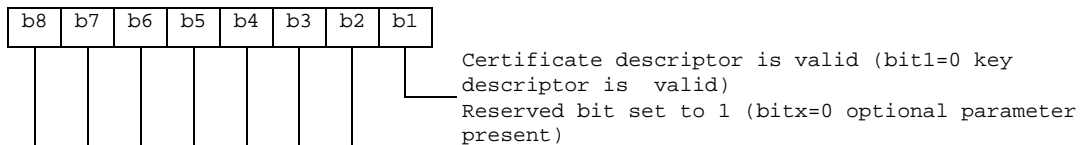
Identifier: '4F41'		Structure: linear fixed		Optional
Record length : X + 10 bytes, X ≥ 1			Update activity: low	
Access Conditions:				
READ		CHV1		
UPDATE		ADM		
INVALIDATE		ADM		
REHABILITATE		ADM		
Bytes	Description	M/O	Length	
1	Parameters indicator	M	1 byte	
2	Flags	M	1 byte	
3	Type of certificate	M	1 byte	
4 to 5	Key/certificate file identifier	M	2 bytes	
6 to 7	Offset into key/certificate file	M	2 bytes	
8 to 9	Length of key/certificate data	M	2 bytes	
10	Key identifier length (Xk)	M	1 byte	
11 to 10+Xk	Key identifier	M	Xk bytes	

- Parameter indicator

Contents:

The parameter indicator indicates if record is full and which optional parameters are present

Coding: bit string

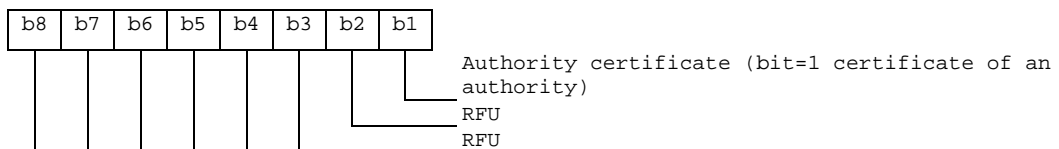


- Flags

Contents:

The authority flag indicates whether the certificate identify an authority (i.e. CA or AA) or not.

Coding: bit string



- Type of certificate

Contents:

This field indicates the type of certificate containing the key.

Coding: binary :

- 0 : WTLS
- 1 : X509
- 2 : X9.68

Other values are reserved for further use

- Key/certificate File Identifier
    - Contents:
      - these bytes identify an EF which is the key/certificate data file (see subclause 10.7.5), holding the actual key/certificate data for this record.
    - Coding:
      - byte 4: high byte of Key/certificate File Identifier;
      - byte 5: low byte of Key/certificate File Identifier.
  - Offset into Key/certificate File
    - Contents:
      - these bytes specify an offset into the transparent key/certificate data File identified in bytes 4 and 5.
    - Coding:
      - byte 6: high byte of offset into Key/certificate Data File;
      - byte 7: low byte of offset into Key/certificate Data File
  - Length of Key/certificate Data
    - Contents:
      - these bytes yield the length of the key/certificate data, starting at the offset identified in "Offset into Key/certificate File" field.
    - Coding:
      - byte 8: high byte of Key/certificate Data length;
      - byte 9: low byte of Key/certificate Data length.
  - Key identifier length
    - Contents:
      - This field gives length of key identifier
    - Coding:
      - binary
  - Key identifier
    - Contents:
      - This field provides a means of identifying certificates that contain a particular public key (chain building) and linking the public key to its corresponding private key. For more information about value and using see TS 23.057 [50].
    - Coding:
      - octet string
- Note: transparent key/certificate data longer than 256 bytes may be read using successive READ BINARY commands.

### 10.4.2.3 EF<sub>ARPK</sub> (Administrator Root Public Key)

This EF contains the descriptor(s) of certificates containing the Administrator Root Public Key. This EF shall only be allocated if the SIM issuer wishes to control the Third Party certificates on the terminal using an Administrator Root Public Key held on the SIM. Each record of this EF contains one certificate descriptor.

This file shall contain only one record.

Identifier: '4F42'		Structure: linear fixed		Optional
Record length: X + 10 bytes, $X \geq 1$		Update activity: low		
Access Conditions:				
READ		CHV1		
UPDATE		ADM		
INVALIDATE		ADM		
REHABILITATE		ADM		
Bytes	Description	M/O	Length	
1	Parameters indicator	M	1 byte	
2	Flags	M	1 byte	
3	Type of certificate	M	1 byte	
4 to 5	Key/certificate file identifier	M	2 bytes	
6 to 7	Offset into key/certificate file	M	2 bytes	
8 to 9	Length of key/certificate data	M	2 bytes	
10	Key identifier length ( $Xk$ )	M	1 byte	
11 to 10+ $Xk$	Key identifier	M	$Xk$ bytes	

For contents and coding of all data items see the respective data items of the EF<sub>ORPK</sub> (sub-clause 10.4.2.1).

#### 10.4.2.4 EF<sub>TRPK</sub> (Third Party Root Public key)

This EF contains descriptor(s) of certificates containing the Third Party Root Public key (s). This EF shall only be allocated if the SIM issuer wishes to verify applications and certificates in the MExE Third Party domain using root public key(s) held on the SIM. This EF can contain one or more root public keys. Each record of this EF contains one certificate descriptor.

For example, an operator may provide several Third Party root public keys.

Identifier: '4F43'		Structure: linear fixed		Optional
Record length : $X + Y + 11\theta$ bytes, $X \geq 1 ; Y \geq 1$			Update activity: low	
Access Conditions:				
READ		CHV1		
UPDATE		ADM		
INVALIDATE		ADM		
REHABILITATE		ADM		
Bytes	Description	M/O	Length	
1	Parameters indicator	M	1 byte	
2	Flags	M	1 byte	
3	Type of certificate	M	1 byte	
4 to 5	Key/certificate file identifier	M	2 bytes	
6 to 7	Offset into key/certificate file	M	2 bytes	
8 to 9	Length of key/certificate data	M	2 bytes	
10	Key identifier length ( $Xk$ )	M	1 byte	
11 to 10+ $Xk$	Key identifier	M	$Xk$ bytes	
11+ $Xk$ to 11+ $k$	Certificate identifier length ( $Ym$ )	M	1 byte	
12+ $Xk$ to 11+ $Xk$ + $Ym$	Certificate identifier	M	$Ym$ bytes	

- Certificate identifier length

Contents:

This field gives length of certificate identifier

Coding:

binary

- Certificate identifier

Contents:

This field identify the issuer and provide a easy way to find a certificate. For more information about value and usage, see TS 23.057 [50].

Coding:

Octet string

For contents and coding of all other data items see the respective data items of the EF<sub>ORPK</sub> (sub-clause 10.7.1).

#### 10.5.9 EF<sub>SDN</sub> (Service Dialling Numbers)

This EF contains special service numbers (SDN) and/or the respective supplementary service control strings (SSC). In addition it contains identifiers of associated network/bearer capabilities and identifiers of extension records. It may also contain associated alpha-tagging.

Identifier: '6F49'		Structure: linear fixed		Optional	
Record length: X+14 bytes			Update activity: low		
Access Conditions:					
READ		CHV1			
UPDATE		ADM			
INVALIDATE		ADM			
REHABILITATE		ADM			
Bytes	Description	M/O	Length		
1 to X	Alpha identifier	O	X bytes		
X+1	Length of BCD number/SSC contents	M	1 bytes		
X+2	TON and NPI	M	1 byte		
X+3 to X+12	Dialling Number/SSC String	M	10 bytes		
X+13	Capability/Configuration Identifier	M	1 byte		
X+14	Extension3 Record Identifier	M	1 byte		

For contents and coding of all data items see the respective data items of the EF<sub>ADN</sub> (subclause 10.5.1), with the exception that extension records are stored in the EF<sub>EXT3</sub>.

NOTE: The value of X (the number of bytes in the alpha-identifier) may be different to the length denoted X in EF<sub>ADN</sub>.



CR-Form-v7

## CHANGE REQUEST

⌘ **51.011 CR 016** ⌘ rev **-** ⌘ Current version: **4.5.0** ⌘

For **HELP** on using this form, see bottom of this page or look at the pop-up text over the ⌘ symbols.

**Proposed change affects:** UICC apps  ME  Radio Access Network  Core Network

<b>Title:</b>	⌘ Essential corrections file size and record lengths in several EFs		
<b>Source:</b>	⌘ TSG T3		
<b>Work item code:</b>	⌘ TEI	<b>Date:</b>	⌘ 07/11/2002
<b>Category:</b>	⌘ <b>A</b>	<b>Release:</b>	⌘ Rel-4
	Use <u>one</u> of the following categories:		Use <u>one</u> of the following releases:
	<b>F</b> (correction)		2 (GSM Phase 2)
	<b>A</b> (corresponds to a correction in an earlier release)		R96 (Release 1996)
	<b>B</b> (addition of feature),		R97 (Release 1997)
	<b>C</b> (functional modification of feature)		R98 (Release 1998)
	<b>D</b> (editorial modification)		R99 (Release 1999)
	Detailed explanations of the above categories can be found in 3GPP TR 21.900.		Rel-4 (Release 4)
			Rel-5 (Release 5)
			Rel-6 (Release 6)

<b>Reason for change:</b>	⌘ The file size and record length bytes are incorrect in several EFs and the link to the core chapter in Annex D is not correct.
<b>Summary of change:</b>	⌘ The description of file size of the file EF <sub>HPLMWA<sub>act</sub></sub> and the record length in EF <sub>PNN</sub> , EF <sub>ORPK</sub> , EF <sub>ARPK</sub> , EF <sub>TPRPK</sub> and EF <sub>SDN</sub> were changed to the correct length. Comments were added in the chapter "Application and File Structure".
<b>Consequences if not approved:</b>	⌘ Incorrect description of the file sizes and record length of several EFs. An incorrect reference in Annex D

<b>Clauses affected:</b>	⌘ 6; 10.3.37, 10.3.41; 10.4.2.2; 10.4.2.3; 10.4.2.4; 10.5.9; Annex D										
<b>Other specs Affected:</b>	<table border="1" style="display: inline-table; border-collapse: collapse; text-align: center;"> <tr> <td style="width: 20px;">Y</td> <td style="width: 20px;">N</td> </tr> <tr> <td>X</td> <td></td> </tr> <tr> <td></td> <td>X</td> </tr> <tr> <td></td> <td>X</td> </tr> </table>	Y	N	X			X		X	Other core specifications	⌘ TS 31.102 ; TS 11.11
Y	N										
X											
	X										
	X										
		Test specifications									
		O&M Specifications									
<b>Other comments:</b>	⌘										

## 6 Application and File structure

This clause describes the logical structure for a SIM if different from that specified in TS 31.101 [55], the code associated with it, and the structure of files used.

A file is associated with attributes that depending of the file type indicates how data is to be accessed e.g. file size, record length etc. Although in the present document some files and data structures stored in a file are indicated as having a fixed length; when reading such structures the terminal shall derive the length of the structure from the attributes provided in the file information i.e. not use the fixed value specified for the file in the present document. Although the terminal is able to read the entire structure it should only use those elements from the structure which is recognised by the terminal.

### 10.3.37 EF<sub>HPLMNwAcT</sub> (HPLMN Selector with Access Technology)

The HPLMN Selector with access technology data field shall contain the HPLMN code, or codes together with the respective access technology in priority order (see TS 23.122 [51]).

Identifier: '6F62'		Structure: transparent		Optional
File size: 5n (n ≥ 1) bytes		Update activity: low		
Access Conditions:				
READ		CHV1		
UPDATE		ADM		
INVALIDATE		ADM		
REHABILITATE		ADM		
Bytes	Description	M/O	Length	
1 to 3	1 <sup>st</sup> PLMN (highest priority)	M	3 bytes	
4 to 5	1 <sup>st</sup> PLMN Access Technology Identifier	M	2 bytes	
6 to 8	2 <sup>nd</sup> PLMN	O	3 bytes	
9 to 10	2 <sup>nd</sup> PLMN Access Technology Identifier	O	2 bytes	
:	:			
(5n-4) to (5n-2)	N <sup>th</sup> PLMN (lowest priority)	O	3 bytes	
(5n-1) to 5n	N <sup>th</sup> PLMN Access Technology Identifier	O	2 bytes	

- PLMN  
Contents:  
Mobile Country Code (MCC) followed by the Mobile Network Code (MNC).  
Coding:  
according to TS 24.008 [47].
- Access Technology

Contents: The Access Technology of the HPLMN that the MS will assume when searching for the HPLMN, in priority order. The first Access Technology in the list has the highest priority.

Coding: See EF<sub>PLMNwAcT</sub> for coding.

### 10.3.41 EF<sub>PNN</sub> (PLMN Network Name)

This EF contains the full and short form versions of the network name for the registered PLMN. The ME shall use these versions in place of its own versions of the network name for the PLMN (stored in the ME's memory list), and also in place of the versions of the network name received when registered to the PLMN, as defined by 3G TS 24.008 [47].

The first record in this EF is used for the default network name when registered to the HPLMN. Subsequent records are to be used for other network names.

Identifier: '6FC5'		Structure: linear fixed		Optional
Record length: X bytes , $X \geq 3$		Update activity: low		
Access Conditions:				
READ		ALWAYS		
UPDATE		ADM		
ACTIVATE		ADM		
DEACTIVATE		ADM		
Bytes	Description	M/O	Length	
1 to X	Network name TLV objects	M	X bytes	

- Network Name TLV objects.

The content and coding (Full name for network and Short name for network) is defined below, where the fields within the objects are defined in 3G TS 24.008 [47]:

#### Coding of the Network Name TLV objects

Length	Description	Status
1 byte	Full name for network IEI (This shall be the same as that used in the MM information message).	M
1 byte	Length of Full name for network Name contents	M
Y bytes	Full name for network contents (Octets 3 to n of network name information element)	M
1 byte	Short name for network IEI (This shall be the same as that used in the MM information message).	O
1 byte	Length of Short name for network	C1
Z bytes	Short name for network contents (Octets 3 to n of network name information element)	C1

C1: this field shall be present if the short name for network IEI is present

Unused bytes shall be set to 'FF'.

### 10.4.2.2 EF<sub>ORPK</sub> (Operator Root Public Key)

This EF contains the descriptor(s) of certificates containing the Operator Root Public Key. This EF shall only be allocated if the operator wishes to verify applications and certificates in the MExE operator domain using a root public key held on the SIM. Each record of this EF contains one certificate descriptor.

For example, Operator may provide a second key for recover disaster procedure in order to limit OTA data to load.

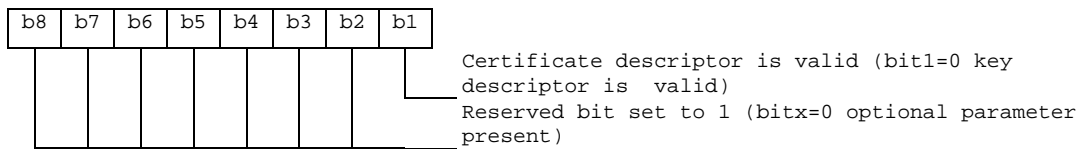
Identifier: '4F41'		Structure: linear fixed		Optional	
Record length : X + 10 bytes, $X \geq 1$			Update activity: low		
Access Conditions:					
READ		CHV1			
UPDATE		ADM			
INVALIDATE		ADM			
REHABILITATE		ADM			
Bytes	Description	M/O	Length		
1	Parameters indicator	M	1 byte		
2	Flags	M	1 byte		
3	Type of certificate	M	1 byte		
4 to 5	Key/certificate file identifier	M	2 bytes		
6 to 7	Offset into key/certificate file	M	2 bytes		
8 to 9	Length of key/certificate data	M	2 bytes		
10	Key identifier length ( $Xk$ )	M	1 byte		
11 to 10+ $Xk$	Key identifier	M	$Xk$ bytes		

- Parameter indicator

Contents:

The parameter indicator indicates if record is full and which optional parameters are present

Coding: bit string

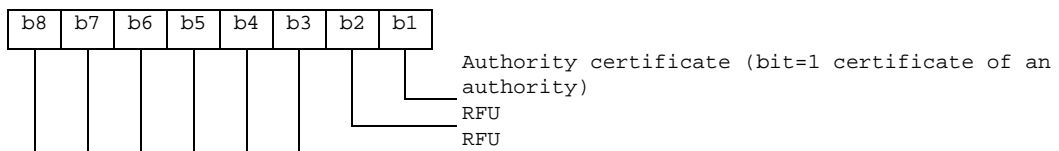


- Flags

Contents:

The authority flag indicates whether the certificate identify an authority (i.e. CA or AA) or not.

Coding: bit string



- Type of certificate

Contents:

This field indicates the type of certificate containing the key.

Coding: binary :

0 : WTLS

1 : X509

2 : X9.68

Other values are reserved for further use

- Key/certificate File Identifier  
Contents:  
these bytes identify an EF which is the key/certificate data file (see clause 10.7.5), holding the actual key/certificate data for this record.  
Coding:  
byte 4: high byte of Key/certificate File Identifier;  
byte 5: low byte of Key/certificate File Identifier.
- Offset into Key/certificate File  
Contents:  
these bytes specify an offset into the transparent key/certificate data File identified in bytes 4 and 5.  
Coding:  
byte 6: high byte of offset into Key/certificate Data File;  
byte 7: low byte of offset into Key/certificate Data File
- Length of Key/certificate Data  
Contents:  
these bytes yield the length of the key/certificate data, starting at the offset identified in "Offset into Key/certificate File" field.  
Coding:  
byte 8: high byte of Key/certificate Data length;  
byte 9: low byte of Key/certificate Data length.
- Key identifier length  
Contents:  
This field gives length of key identifier  
Coding:  
binary
- Key identifier  
Contents:  
This field provides a means of identifying certificates that contain a particular public key (chain building) and linking the public key to its corresponding private key. For more information about value and using see TS 23.057 [50].  
Coding:  
octet string

NOTE: transparent key/certificate data longer than 256 bytes may be read using successive READ BINARY commands.

### 10.4.2.3 EF<sub>ARPK</sub> (Administrator Root Public Key)

This EF contains the descriptor(s) of certificates containing the Administrator Root Public Key. This EF shall only be allocated if the SIM issuer wishes to control the Third Party certificates on the terminal using an Administrator Root Public Key held on the SIM. Each record of this EF contains one certificate descriptor.

This file shall contain only one record.

Identifier: '4F42'		Structure: linear fixed		Optional
Record length: X + 10 bytes, $X \geq 1$		Update activity: low		
Access Conditions:				
READ		CHV1		
UPDATE		ADM		
INVALIDATE		ADM		
REHABILITATE		ADM		
Bytes	Description	M/O	Length	
1	Parameters indicator	M	1 byte	
2	Flags	M	1 byte	
3	Type of certificate	M	1 byte	
4 to 5	Key/certificate file identifier	M	2 bytes	
6 to 7	Offset into key/certificate file	M	2 bytes	
8 to 9	Length of key/certificate data	M	2 bytes	
10	Key identifier length ( $Xk$ )	M	1 byte	
11 to 10+kX	Key identifier	M	$Xk$ bytes	

For contents and coding of all data items see the respective data items of the EF<sub>ORPK</sub> (clause 10.4.2.1).

### 10.4.2.4 EF<sub>TPRPK</sub> (Third Party Root Public key)

This EF contains descriptor(s) of certificates containing the Third Party Root Public key (s). This EF shall only be allocated if the SIM issuer wishes to verify applications and certificates in the MExE Third Party domain using root public key(s) held on the SIM. This EF can contain one or more root public keys. Each record of this EF contains one certificate descriptor.

For example, an operator may provide several Third Party root public keys.

Identifier: '4F43'		Structure: linear fixed		Optional
Record length : $X + 10X + Y + 11$ bytes, $X \geq 1; Y \geq 1$			Update activity: low	
Access Conditions:				
READ		CHV1		
UPDATE		ADM		
INVALIDATE		ADM		
REHABILITATE		ADM		
Bytes	Description	M/O	Length	
1	Parameters indicator	M	1 byte	
2	Flags	M	1 byte	
3	Type of certificate	M	1 byte	
4 to 5	Key/certificate file identifier	M	2 bytes	
6 to 7	Offset into key/certificate file	M	2 bytes	
8 to 9	Length of key/certificate data	M	2 bytes	
10	Key identifier length ( $Xk$ )	M	1 byte	
11 to $10+Xk$	Key identifier	M	$Xk$ bytes	
$11+Xk$ <del>to <math>11+k</math></del>	Certificate identifier length ( $Ym$ )	M	1 byte	
$12+Xk$ to $11+Xk+Ym$	Certificate identifier	M	$Ym$ bytes	

- Certificate identifier length  
 Contents:  
 This field gives length of certificate identifier  
 Coding:  
 binary
- Certificate identifier  
 Contents:  
 This field identify the issuer and provide a easy way to find a certificate. For more information about value and usage, see TS 23.057 [50].  
 Coding:  
 Octet string

For contents and coding of all other data items see the respective data items of the EF<sub>ORPK</sub> (clause 10.7.1).

### 10.5.9 EF<sub>SDN</sub> (Service Dialling Numbers)

This EF contains special service numbers (SDN) and/or the respective supplementary service control strings (SSC). In addition it contains identifiers of associated network/bearer capabilities and identifiers of extension records. It may also contain associated alpha-tagging.

Identifier: '6F49'		Structure: linear fixed		Optional	
Record length: X+14 bytes			Update activity: low		
Access Conditions:					
READ		CHV1			
UPDATE		ADM			
INVALIDATE		ADM			
REHABILITATE		ADM			
Bytes	Description	M/O	Length		
1 to -X	Alpha identifier	O	X bytes		
X+1	Length of BCD number/SSC contents	M	1 bytes		
X+2	TON and NPI	M	1 byte		
X+3 to -X+12	Dialling Number/SSC String	M	10 bytes		
X+13	Capability/Configuration Identifier	M	1 byte		
X+14	Extension3 Record Identifier	M	1 byte		

For contents and coding of all data items see the respective data items of the EF<sub>ADN</sub> (clause 10.5.1), with the exception that extension records are stored in the EF<sub>EXT3</sub>.

NOTE: The value of X (the number of bytes in the alpha-identifier) may be different to the length denoted X in EF<sub>ADN</sub>.