Общество с ограниченной ответственностью «СмартПарк»

ПРОГРАММА ДЛЯ ЭВМ

Конфигурируемый ключевой контейнер

Фрагменты исходного текста программы

Листов __

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/*

Конфигурируемый ключевой контейнер

*/

// APDU-код инициализации, фрагмент

```
Power on
ATR: 3B 98 96 00 80 31 C0 72 F7 41 81 07
================================
VERIFY: DeleteKey0
CLA=00;  INS=20;  P1=00;  P2=xx
Lc=8 (0x8)
Data In:
XX XX XX XX XX XX XX XX
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Checking OS version...
CLA=80;  INS=FE;  P1=00;  P2=00
Lc=0 (0x0)
Le=256 (0x100)  La=31 (0x1F)
Data Out:
80 08 53 54 32 33 52 31 36 30 81 08 4D 61 67 69
73 74 72 61 82 05 46 6F 72 6F 73 83 02 01 30
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================

…
…

CREATE_FILE: DF F000
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=32 (0x20)
Data In:
62 1E 80 02 00 61 82 01 38 83 02 F0 00 84 05 43
50 43 53 50 86 05 00 FF 79 8F FF A5 03 8A 01 83
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Put version (x)
CLA=00;  INS=DA;  P1=00;  P2=01
Lc=2 (0x2)
Data In:
00 xx
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Put DS
CLA=00;  INS=DA;  P1=00;  P2=02
Lc=64 (0x40)
Data In:
69 E2 F0 FA B0 46 B4 E5 DA BE 31 E4 62 56 5A 80
9D 40 04 50 C3 5F AC 59 ED A1 59 59 A7 A5 56 91
34 D9 59 5C 1B B1 75 B5 E2 21 DA AE 6E C8 25 FA
```

```
22 11 9A 09 BB 65 AD 01 44 F4 74 25 2E 2E 55 CC
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Put key version (_)
CLA=00;  INS=DA;  P1=00;  P2=03
Lc=2 (0x2)
Data In:
00 xx
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
TAG_FLAG
CLA=00;  INS=DA;  P1=00;  P2=CE
Lc=4 (0x4)
Data In:
00 00 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
TAG_FREE
CLA=00;  INS=DA;  P1=00;  P2=CD
Lc=4 (0x4)
Data In:
00 00 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
TAG_APPPMASK
CLA=00;  INS=DA;  P1=00;  P2=CB
Lc=1 (0x1)
Data In:
01
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: KF (Clear DF)
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=38 (0x26)
Data In:
62 24 82 01 11 83 02 FE FF 86 0A FF 79 FF 00 00
FF FF FF FF FF A5 0F 85 01 00 86 01 02 87 01 79
88 01 79 89 01 03
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CHANGE_REFERENCE_DATA: KF FEFF
CLA=00;  INS=24;  P1=01;  P2=00
Lc=8 (0x8)
Data In:
XX XX XX XX XX XX XX XX
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
VERIFY
CLA=00;  INS=20;  P1=00;  P2=79
Lc=8 (0x8)
```

```
Data In:
XX XX XX XX XX XX XX XX
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Activate KF
CLA=00;  INS=44;  P1=00;  P2=00
Lc=0 (0x0)
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: KF 1111 Master key
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=41 (0x29)
Data In:
62 27 82 01 11 83 02 11 11 86 0A 00 FF FF 00 00
75 8F FF FF FF A5 12 85 01 01 86 01 82 87 01 75
88 01 75 89 01 05 8E 01 01
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CHANGE_REFERENCE_DATA: KF Master PIN
CLA=00;  INS=24;  P1=01;  P2=00
Lc=32 (0x20)
Data In:
XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX
XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Activate current file
CLA=00;  INS=44;  P1=00;  P2=00
Lc=0 (0x0)
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: KF 1112 Config key
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=41 (0x29)
Data In:
62 27 82 01 11 83 02 11 12 86 0A 00 FF FF 00 00
73 FF FF FF FF A5 12 85 01 01 86 01 82 87 01 73
88 01 73 89 01 05 8E 01 01
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CHANGE_REFERENCE_DATA: KF Config key
CLA=00;  INS=24;  P1=01;  P2=00
Lc=32 (0x20)
Data In:
XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX
XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX XX
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Activate current file
CLA=00;  INS=44;  P1=00;  P2=00
```

```
Lc=0 (0x0)
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: KF 0001 User PIN
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=38 (0x26)
Data In:
62 24 82 01 11 83 02 00 01 86 0A 00 FF FF 00 00
76 75 FF FF FF A5 0F 85 01 00 86 01 02 87 01 77
88 01 77 89 01 05
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CHANGE_REFERENCE_DATA: KF User PIN
CLA=00;  INS=24;  P1=01;  P2=00
Lc=8 (0x8)
Data In:
XX XX XX XX XX XX XX XX
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Activate current file
CLA=00;  INS=44;  P1=00;  P2=00
Lc=0 (0x0)
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: ARF 7F12
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=25 (0x19)
Data In:
62 17 80 02 00 20 82 01 12 83 02 7F 12 86 05 00
FF FF FF FF A5 03 84 01 01
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
PUT DATA: Rule 76 to ARF 7F12
CLA=00;  INS=DA;  P1=02;  P2=76
Lc=4 (0x4)
Data In:
01 75 01 77
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Activate ARF 7F12
CLA=00;  INS=44;  P1=00;  P2=00
Lc=0 (0x0)
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: SEF user 7F01
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 82 01 13 83 02 7F 01 86 05 00 FF FF FF 00
A5 06 84 01 01 8C 01 01
```

```
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
MSE SET: AT
CLA=00;  INS=22;  P1=81;  P2=A4
Lc=3 (0x3)
Data In:
83 01 77
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
MSE STORE: SE 1
CLA=00;  INS=22;  P1=F2;  P2=01
Lc=0 (0x0)
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Activate SEF 7F01
CLA=00;  INS=44;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
7F 01
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: SEF master 7F11
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 82 01 13 83 02 7F 11 86 05 00 FF FF FF 00
A5 06 84 01 01 8C 01 02
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
MSE SET: AT
CLA=00;  INS=22;  P1=81;  P2=A4
Lc=3 (0x3)
Data In:
83 01 75
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
MSE STORE: SE 2
CLA=00;  INS=22;  P1=F2;  P2=02
Lc=0 (0x0)
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Activate SEF 7F11
CLA=00;  INS=44;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
7F 11
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
```

```
CREATE_FILE: BF 0100
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=29 (0x1D)
Data In:
62 1B 80 02 00 04 82 01 01 83 02 01 00 8A 01 03
86 06 00 FF FF 00 8F 79 A5 03 90 01 01
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0107
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 00 10 82 01 01 83 02 01 07 8A 01 05
86 06 00 FF FF 00 00 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 6E59
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 00 02 82 01 01 83 02 6E 59 8A 01 05
86 06 00 FF FF 00 75 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 6E5C
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=29 (0x1D)
Data In:
62 1B 80 02 00 1A 82 01 01 83 02 6E 5C 8A 01 05
86 06 00 FF FF 00 75 FF A5 03 90 01 01
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0101 [ (64)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 01 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0102 [ (80)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 02 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0103 [ (96)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
```

```
62 16 80 02 24 00 82 01 01 83 02 01 03 8A 01 05
86 06 00 FF FF 00 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0104
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 04 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0105
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 05 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0106
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 00 3E 82 01 01 83 02 01 06 8A 01 05
86 06 00 FF FF 00 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0111 [ (64)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 11 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0112 [ (80)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 12 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0113 [ (96)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 24 00 82 01 01 83 02 01 13 8A 01 05
86 06 00 FF FF 00 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
```

```
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0114
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 14 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0115
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 15 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0116
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 00 3E 82 01 01 83 02 01 16 8A 01 05
86 06 00 FF FF 00 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0121 [ (64)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 21 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0122 [ (80)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 22 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0123 [ (96)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 24 00 82 01 01 83 02 01 23 8A 01 05
86 06 00 FF FF 00 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0124
CLA=00;  INS=E0;  P1=00;  P2=00
```

```
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 24 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0125
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 25 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0126
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 00 3E 82 01 01 83 02 01 26 8A 01 05
86 06 00 FF FF 00 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0131 [ (64)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 31 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0132 [ (80)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 32 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0133 [ (96)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 24 00 82 01 01 83 02 01 33 8A 01 05
86 06 00 FF FF 00 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0134
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 34 8A 01 05
86 06 00 FF FF 77 77 FF
```

```
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0135
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 35 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0136
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 00 3E 82 01 01 83 02 01 36 8A 01 05
86 06 00 FF FF 00 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0141 [ (64)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 41 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0142 [ (80)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 42 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0143 [ (96)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 24 00 82 01 01 83 02 01 43 8A 01 05
86 06 00 FF FF 00 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0144
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 44 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
```

```
CREATE_FILE: BF 0145
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 45 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0146
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 00 3E 82 01 01 83 02 01 46 8A 01 05
86 06 00 FF FF 00 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0151 [ (64)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 51 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0152 [ (80)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 52 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0153 [ (96)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 24 00 82 01 01 83 02 01 53 8A 01 05
86 06 00 FF FF 00 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0154
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 54 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0155
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
```

```
62 16 80 02 01 00 82 01 01 83 02 01 55 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0156
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 00 3E 82 01 01 83 02 01 56 8A 01 05
86 06 00 FF FF 00 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0161 [ (64)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 61 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0162 [ (80)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 62 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0163 [ (96)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 24 00 82 01 01 83 02 01 63 8A 01 05
86 06 00 FF FF 00 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0164
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 64 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0165
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 65 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
```

```
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0166
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 00 3E 82 01 01 83 02 01 66 8A 01 05
86 06 00 FF FF 00 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0171 [ (64)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 71 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0172 [ (80)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 72 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0173
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 24 00 82 01 01 83 02 01 73 8A 01 05
86 06 00 FF FF 00 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0174
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 74 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0175
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 01 75 8A 01 05
86 06 00 FF FF 77 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF 0176
CLA=00;  INS=E0;  P1=00;  P2=00
```

```
Lc=24 (0x18)
Data In:
62 16 80 02 00 3E 82 01 01 83 02 01 76 8A 01 05
86 06 00 FF FF 00 77 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Select BF serial
CLA=00;  INS=A4;  P1=00;  P2=0C
Lc=2 (0x2)
Data In:
01 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
WRITE_BINARY: BF serial with 4 bytes
CLA=00;  INS=D0;  P1=00;  P2=00
Lc=4 (0x4)
Data In:
E3 95 6F B2
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Activate current file
CLA=00;  INS=44;  P1=00;  P2=00
Lc=0 (0x0)
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: BF FF01
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 00 20 82 01 01 83 02 FF 01 8A 01 05
86 06 00 FF FF 00 76 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Select current DF
CLA=00;  INS=A4;  P1=00;  P2=0C
Lc=2 (0x2)
Data In:
3F FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Activate current file
CLA=00;  INS=44;  P1=00;  P2=00
Lc=0 (0x0)
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Select MF
CLA=00;  INS=A4;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
3F 00
```

```
Le=0 (0x0)  La=52 (0x34)
Data Out:
6F 32 80 01 20 81 01 62 82 01 38 83 02 3F 00 86
05 00 79 79 79 79 8A 01 03 A5 19 80 03 02 27 9D
81 02 D8 FF 82 02 D8 D2 83 01 01 8A 01 83 8D 01
00 91 01 81
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
PUT_DATA: historical bytes
CLA=00;  INS=DA;  P1=5F;  P2=52
Lc=14 (0xE)
Data In:
80 31 C0 65 4D 47 00 00 00 72 F7 41 81 07
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Select MF [at initcp.cpp(196)]
CLA=00;  INS=A4;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
3F 00
Le=0 (0x0)  La=52 (0x34)
Data Out:
6F 32 80 01 20 81 01 62 82 01 38 83 02 3F 00 86
05 00 79 79 79 79 8A 01 03 A5 19 80 03 02 27 9D
81 02 D8 FF 82 02 D8 D2 83 01 01 8A 01 83 8D 01
00 91 01 81
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
CREATE BF 6E5B [at initcp.cpp(197)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 00 04 82 01 01 83 02 6E 5B 86 06 79
79 FF 00 79 79 8A 01 05
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Write SN 4 bytes [at initcp.cpp(214)]
CLA=00;  INS=D6;  P1=00;  P2=00
Lc=4 (0x4)
Data In:
E3 95 6F B2
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Select MF [at initcp.cpp(259)]
CLA=00;  INS=A4;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
3F 00
Le=0 (0x0)  La=52 (0x34)
Data Out:
6F 32 80 01 20 81 01 62 82 01 38 83 02 3F 00 86
05 00 79 79 79 79 8A 01 03 A5 19 80 03 02 27 9D
81 02 D8 CE 82 02 D8 A1 83 01 01 8A 01 83 8D 01
00 91 01 81
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
```

```
================================
CREATE_FILE: DF 5200 [at initcp.cpp(261)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=41 (0x29)
Data In:
62 27 80 02 00 18 82 01 38 83 02 52 00 84 0B 53
79 73 5F 70 72 6F 66 69 6C 65 86 05 47 47 FF FF
47 A5 06 8D 01 00 8A 01 83
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: KFinit [at initcp.cpp(276)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=38 (0x26)
Data In:
62 24 82 01 11 83 02 7F 10 86 0A 47 47 FF 00 00
47 FF FF FF FF A5 0F 85 01 00 86 01 02 87 01 47
88 01 47 89 01 0A
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CHANGE_REFERENCE_DATA: KFinit [at initcp.cpp(291)]
CLA=00;  INS=24;  P1=01;  P2=00
Lc=8 (0x8)
Data In:
XX XX XX XX XX XX XX XX
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
VERIFY [at initcp.cpp(292)]
CLA=00;  INS=20;  P1=00;  P2=47
Lc=8 (0x8)
Data In:
XX XX XX XX XX XX XX XX
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Activate KF [at initcp.cpp(293)]
CLA=00;  INS=44;  P1=00;  P2=00
Lc=0 (0x0)
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Activate DF [at initcp.cpp(294)]
CLA=00;  INS=44;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
52 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Select MF [at initcp.cpp(298)]
CLA=00;  INS=A4;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
3F 00
Le=0 (0x0)  La=52 (0x34)
Data Out:
```

```
6F 32 80 01 20 81 01 62 82 01 38 83 02 3F 00 86
05 00 79 79 79 79 8A 01 03 A5 19 80 03 02 27 9D
81 02 D8 1F 82 02 D7 F2 83 01 01 8A 01 83 8D 01
00 91 01 81
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Activate MF [at initcp.cpp(299)]
CLA=00;  INS=44;  P1=00;  P2=00
Lc=0 (0x0)
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
VERIFY: Read OTP [at initcp.cpp(303)]
CLA=80;  INS=FE;  P1=06;  P2=00
Lc=0 (0x0)
Le=0 (0x0)  La=128 (0x80)
Data Out:
30 80 20 83 A1 E5 46 00 19 48 42 44 00 25 4F 44
BB 42 00 24 00 01 33 4D 00 00 00 00 00 00 00 00
4F 00 3E 50 C1 AF 00 FF 03 00 FC FF 00 FF 3E 30
C1 CF 38 C7 03 00 FC FF 00 FF 03 00 FC FF 00 FF
03 00 FC FF 00 FF 3E 12 C1 ED B9 46 00 FF 00 00
00 42 58 00 00 00 00 00 44 BB 8E 71 03 00 FC FF
00 FF 03 00 FC FF 00 FF 03 00 FC FF 00 FF 03 00
FC FF 00 FF 00 00 00 43 1E 46 BD F3 AA 01 55 01
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
CP initialized in       10.016 sec!
Power off

      10.296 sec.

Power on
ATR: 3B 9E 96 00 80 31 C0 65 4D 47 00 00 00 72 F7 41 81 07
================================
SELECT MF [at init_aid.cpp(31)]
CLA=00;  INS=A4;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
3F 00
Le=0 (0x0)  La=52 (0x34)
Data Out:
6F 32 80 01 20 81 01 62 82 01 38 83 02 3F 00 86
05 00 79 79 79 79 8A 01 05 A5 19 80 03 02 27 9D
81 02 D8 1F 82 02 D7 F2 83 01 01 8A 01 83 8D 01
00 91 01 81
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
SELECT DF [at init_aid.cpp(32)]
CLA=00;  INS=A4;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
F0 00
Le=0 (0x0)  La=147 (0x93)
Data Out:
6F 81 90 80 01 61 81 01 A3 82 01 38 83 02 F0 00
84 05 43 50 43 53 50 86 05 00 FF 79 8F FF 8A 01
05 A5 10 82 02 D7 F2 83 01 00 8A 01 83 8D 01 00
91 01 81 4F 05 43 50 43 53 50 01 02 00 02 02 40
69 E2 F0 FA B0 46 B4 E5 DA BE 31 E4 62 56 5A 80
9D 40 04 50 C3 5F AC 59 ED A1 59 59 A7 A5 56 91
```

```
34 D9 59 5C 1B B1 75 B5 E2 21 DA AE 6E C8 25 FA
22 11 9A 09 BB 65 AD 01 44 F4 74 25 2E 2E 55 CC
03 02 00 06 CE 04 00 00 00 00 CD 04 00 00 00 00
CB 01 01
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
VERIFY PAS [at init_aid.cpp(33)]
CLA=00;  INS=20;  P1=00;  P2=79
Lc=8 (0x8)
Data In:
ED 05 E5 07 E1 A6 01 50
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
SELECT MF [at init_aid.cpp(34)]
CLA=00;  INS=A4;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
3F 00
Le=0 (0x0)  La=52 (0x34)
Data Out:
6F 32 80 01 20 81 01 62 82 01 38 83 02 3F 00 86
05 00 79 79 79 79 8A 01 05 A5 19 80 03 02 27 9D
81 02 D8 1F 82 02 D7 F2 83 01 01 8A 01 83 8D 01
00 91 01 81
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE BF 6E 57 [at init_aid.cpp(36)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 00 80 82 01 01 83 02 6E 57 86 06 79
79 FF A1 79 79 8A 01 05
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
select aids [at init_aid.cpp(44)]
CLA=00;  INS=A4;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
6E 57
Le=0 (0x0)  La=31 (0x1F)
Data Out:
6F 1D 80 01 80 81 01 AD 82 01 01 83 02 6E 57 86
06 79 79 FF A1 79 79 8A 01 05 A5 03 83 01 00
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
add aids [at init_aid.cpp(64)]
CLA=00;  INS=D6;  P1=00;  P2=00
Lc=6 (0x6)
Data In:
05 43 50 43 53 50
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
add aids [at init_aid.cpp(64)]
CLA=00;  INS=D6;  P1=00;  P2=06
Lc=12 (0xC)
```

```
Data In:
0B 53 79 73 5F 70 72 6F 66 69 6C 65
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
add aids [at init_aid.cpp(64)]
CLA=00;  INS=D6;  P1=00;  P2=12
Lc=13 (0xD)
Data In:
0C 46 4F 52 4F 53 5F 50 4B 43 53 31 31
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
add aids [at init_aid.cpp(64)]
CLA=00;  INS=D6;  P1=00;  P2=1F
Lc=13 (0xD)
Data In:
0C 46 4F 52 4F 53 5F 4D 49 4E 49 44 52
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
Power off

       0.826 sec.

Power on
ATR: 3B 9E 96 00 80 31 C0 65 4D 47 00 00 00 72 F7 41 81 07
================================
GET SN [at init_journal.cpp(43)]
CLA=80;  INS=FE;  P1=06;  P2=00
Lc=0 (0x0)
Le=0 (0x0)  La=128 (0x80)
Data Out:
30 80 20 83 A1 E5 46 00 19 48 42 44 00 25 4F 44
BB 42 00 24 00 01 33 4D 00 00 00 00 00 00 00 00
4F 00 3E 50 C1 AF 00 FF 03 00 FC FF 00 FF 3E 30
C1 CF 38 C7 03 00 FC FF 00 FF 03 00 FC FF 00 FF
03 00 FC FF 00 FF 3E 12 C1 ED B9 46 00 FF 00 00
00 42 58 00 00 00 00 00 44 BB 8E 71 03 00 FC FF
00 FF 03 00 FC FF 00 FF 03 00 FC FF 00 FF 03 00
FC FF 00 FF 00 00 00 43 1E 46 BD F3 AA 01 55 01
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
SELECT MF [at init_journal.cpp(50)]
CLA=00;  INS=A4;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
3F 00
Le=0 (0x0)  La=52 (0x34)
Data Out:
6F 32 80 01 20 81 01 62 82 01 38 83 02 3F 00 86
05 00 79 79 79 79 8A 01 05 A5 19 80 03 02 27 9D
81 02 D7 72 82 02 D7 45 83 01 01 8A 01 83 8D 01
00 91 01 81
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
SELECT DF [at init_journal.cpp(51)]
CLA=00;  INS=A4;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
```

```
F0 00
Le=0 (0x0)  La=147 (0x93)
Data Out:
6F 81 90 80 01 61 81 01 A3 82 01 38 83 02 F0 00
84 05 43 50 43 53 50 86 05 00 FF 79 8F FF 8A 01
05 A5 10 82 02 D7 45 83 01 00 8A 01 83 8D 01 00
91 01 81 4F 05 43 50 43 53 50 01 02 00 02 02 40
69 E2 F0 FA B0 46 B4 E5 DA BE 31 E4 62 56 5A 80
9D 40 04 50 C3 5F AC 59 ED A1 59 59 A7 A5 56 91
34 D9 59 5C 1B B1 75 B5 E2 21 DA AE 6E C8 25 FA
22 11 9A 09 BB 65 AD 01 44 F4 74 25 2E 2E 55 CC
03 02 00 06 CE 04 00 00 00 00 CD 04 00 00 00 00
CB 01 01
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
VERIFY PAS [at init_journal.cpp(52)]
CLA=00;  INS=20;  P1=00;  P2=79
Lc=8 (0x8)
Data In:
ED 05 E5 07 E1 A6 01 50
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
SELECT MF [at init_journal.cpp(53)]
CLA=00;  INS=A4;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
3F 00
Le=0 (0x0)  La=52 (0x34)
Data Out:
6F 32 80 01 20 81 01 62 82 01 38 83 02 3F 00 86
05 00 79 79 79 79 8A 01 05 A5 19 80 03 02 27 9D
81 02 D7 72 82 02 D7 45 83 01 01 8A 01 83 8D 01
00 91 01 81
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE BF 6E58 [at init_journal.cpp(55)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 01 83 02 6E 58 86 06 79
79 FF 00 A3 A3 8A 01 05
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE BF 6E5A [at init_journal.cpp(63)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=29 (0x1D)
Data In:
62 1B 80 02 01 48 82 01 01 83 02 6E 5A 86 06 79
79 FF 00 A5 A5 8A 01 03 A5 03 90 01 01
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
WRITE journal header [at init_journal.cpp(74)]
CLA=00;  INS=D6;  P1=00;  P2=00
Lc=8 (0x8)
Data In:
30 80 20 83 A1 E5 46 01
```

```
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
ACTIVATE FILE [at init_journal.cpp(76)]
CLA=00;  INS=44;  P1=00;  P2=00
Lc=0 (0x0)
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: KF 11 (GOST 3410 2012 key) [at init_journal.cpp(79)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=47 (0x2F)
Data In:
62 2D 82 01 11 83 02 6E 70 86 0A FF FF FF 00 79
79 FF 00 FF FF A5 18 85 01 31 86 01 8F 87 01 17
88 01 17 89 01 0A 8E 01 02 8B 01 01 8F 01 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
LOAD KEY PAIR [at init_journal.cpp(101)]
CLA=00;  INS=24;  P1=01;  P2=00
Lc=32 (0x20)
Data In:
5E 4D 6C BF F0 5B CE 7F 0C 26 E0 EF A7 B2 50 DD
C6 4F EB 32 CB 0F DA F4 89 A8 0B EA 72 F0 7A 07
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
Power off

       1.497 sec.

Power on
ATR: 3B 9E 96 00 80 31 C0 65 4D 47 00 00 00 72 F7 41 81 07
================================
SELECT CP DF [at minidriver_init_cp.cpp(450)]
CLA=00;  INS=A4;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
F0 00
Le=0 (0x0)  La=147 (0x93)
Data Out:
6F 81 90 80 01 61 81 01 A3 82 01 38 83 02 F0 00
84 05 43 50 43 53 50 86 05 00 FF 79 8F FF 8A 01
05 A5 10 82 02 D3 ED 83 01 00 8A 01 83 8D 01 00
91 01 81 4F 05 43 50 43 53 50 01 02 00 02 02 40
69 E2 F0 FA B0 46 B4 E5 DA BE 31 E4 62 56 5A 80
9D 40 04 50 C3 5F AC 59 ED A1 59 59 A7 A5 56 91
34 D9 59 5C 1B B1 75 B5 E2 21 DA AE 6E C8 25 FA
22 11 9A 09 BB 65 AD 01 44 F4 74 25 2E 2E 55 CC
03 02 00 06 CE 04 00 00 00 00 CD 04 00 00 00 00
CB 01 01
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
VERIFY CP CLEAR KEY [at minidriver_init_cp.cpp(451)]
CLA=00;  INS=20;  P1=00;  P2=79
Lc=8 (0x8)
Data In:
ED 05 E5 07 E1 A6 01 50
Le=0 (0x0)  La=0 (0x0)
```

```
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
select MF [at minidriver_init_cp.cpp(130)]
CLA=00;  INS=A4;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
3F 00
Le=0 (0x0)  La=52 (0x34)
Data Out:
6F 32 80 01 20 81 01 62 82 01 38 83 02 3F 00 86
05 00 79 79 79 79 8A 01 05 A5 19 80 03 02 27 9D
81 02 D4 1A 82 02 D3 ED 83 01 01 8A 01 83 8D 01
00 91 01 81
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Create DF_MINI [at minidriver_init_cp.cpp(157)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=38 (0x26)
Data In:
62 24 80 01 52 82 01 38 83 02 F1 10 84 0C 46 4F
52 4F 53 5F 4D 49 4E 49 44 52 86 05 FF FF FF FF
02 A5 03 8A 01 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
PUT DATA: tags B1 [at minidriver_init_cp.cpp(169)]
CLA=00;  INS=DA;  P1=00;  P2=B1
Lc=16 (0x10)
Data In:
F0 01 10 00 F1 00 20 00 F2 00 F3 00 F0 02 F0 03
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
PUT DATA: tags B2 [at minidriver_init_cp.cpp(169)]
CLA=00;  INS=DA;  P1=00;  P2=B2
Lc=3 (0x3)
Data In:
08 08 08
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
PUT DATA: tags B3 [at minidriver_init_cp.cpp(169)]
CLA=00;  INS=DA;  P1=00;  P2=B3
Lc=6 (0x6)
Data In:
10 40 01 03 02 01
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
select DF_MINI [at minidriver_init_cp.cpp(136)]
CLA=00;  INS=A4;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
F1 10
Le=0 (0x0)  La=102 (0x66)
Data Out:
6F 64 80 01 52 81 01 94 82 01 38 83 02 F1 10 84
0C 46 4F 52 4F 53 5F 4D 49 4E 49 44 52 86 05 FF
```

```
FF FF FF 02 8A 01 03 A5 10 82 02 D3 59 83 01 00
8A 01 FF 8D 01 00 91 01 81 4F 0C 46 4F 52 4F 53
5F 4D 49 4E 49 44 52 B1 10 F0 01 10 00 F1 00 20
00 F2 00 F3 00 F0 02 F0 03 B2 03 08 08 08 B3 06
10 40 01 03 02 01
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Create FRF_DIR_INFO [at minidriver_init_cp.cpp(174)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=26 (0x1A)
Data In:
62 18 80 02 00 48 82 03 02 C1 09 83 02 F0 01 86
06 FF FF FF 00 02 FF 8A 01 03
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
APPEND RECORD [at minidriver_init_cp.cpp(186)]
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=9 (0x9)
Data In:
00 00 00 00 00 00 00 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
APPEND RECORD [at minidriver_init_cp.cpp(186)]
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=9 (0x9)
Data In:
00 00 00 00 00 00 00 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
APPEND RECORD [at minidriver_init_cp.cpp(186)]
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=9 (0x9)
Data In:
00 00 00 00 00 00 00 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
APPEND RECORD [at minidriver_init_cp.cpp(186)]
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=9 (0x9)
Data In:
00 00 00 00 00 00 00 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
APPEND RECORD [at minidriver_init_cp.cpp(186)]
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=9 (0x9)
Data In:
00 00 00 00 00 00 00 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
APPEND RECORD [at minidriver_init_cp.cpp(186)]
```

```
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=9 (0x9)
Data In:
00 00 00 00 00 00 00 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
APPEND RECORD [at minidriver_init_cp.cpp(186)]
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=9 (0x9)
Data In:
00 00 00 00 00 00 00 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
APPEND RECORD [at minidriver_init_cp.cpp(186)]
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=9 (0x9)
Data In:
00 00 00 00 00 00 00 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Activate FRF_DIR_INFO [at minidriver_init_cp.cpp(188)]
CLA=00;  INS=44;  P1=00;  P2=00
Lc=0 (0x0)
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Create FRF_F_INFO_0 [at minidriver_init_cp.cpp(192)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=26 (0x1A)
Data In:
62 18 80 02 00 58 82 03 02 C1 0B 83 02 F1 00 86
06 FF FF FF 00 02 FF 8A 01 03
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
APPEND RECORD [at minidriver_init_cp.cpp(204)]
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=11 (0xB)
Data In:
00 00 00 00 00 00 00 00 00 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
APPEND RECORD [at minidriver_init_cp.cpp(204)]
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=11 (0xB)
Data In:
00 00 00 00 00 00 00 00 00 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
APPEND RECORD [at minidriver_init_cp.cpp(204)]
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=11 (0xB)
```

```
Data In:
00 00 00 00 00 00 00 00 00 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
APPEND RECORD [at minidriver_init_cp.cpp(204)]
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=11 (0xB)
Data In:
00 00 00 00 00 00 00 00 00 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
APPEND RECORD [at minidriver_init_cp.cpp(204)]
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=11 (0xB)
Data In:
00 00 00 00 00 00 00 00 00 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
APPEND RECORD [at minidriver_init_cp.cpp(204)]
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=11 (0xB)
Data In:
00 00 00 00 00 00 00 00 00 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
APPEND RECORD [at minidriver_init_cp.cpp(204)]
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=11 (0xB)
Data In:
00 00 00 00 00 00 00 00 00 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
APPEND RECORD [at minidriver_init_cp.cpp(204)]
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=11 (0xB)
Data In:
00 00 00 00 00 00 00 00 00 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Activate FRF_F_INFO_0 [at minidriver_init_cp.cpp(206)]
CLA=00;  INS=44;  P1=00;  P2=00
Lc=0 (0x0)
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Create ARF [at minidriver_init_cp.cpp(211)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=28 (0x1C)
Data In:
62 1A 80 02 00 14 82 01 12 83 02 F0 04 86 05 FF
FF FF 00 FF 8A 01 03 A5 03 84 01 01
```

```
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Write IDS_USER_OR_ADMIN [at minidriver_init_cp.cpp(222)]
CLA=00;  INS=DA;  P1=02;  P2=02
Lc=4 (0x4)
Data In:
01 01 01 03
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Activate ARF [at minidriver_init_cp.cpp(225)]
CLA=00;  INS=44;  P1=00;  P2=00
Lc=0 (0x0)
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Create KF_PIN_USER [at minidriver_init_cp.cpp(229)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=38 (0x26)
Data In:
62 24 82 01 11 83 02 F0 02 86 07 FF FF FF 00 00
02 03 8A 01 05 A5 0F 85 01 00 86 01 02 87 01 01
88 01 01 89 01 05
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Create KF_PIN_ADMIN [at minidriver_init_cp.cpp(265)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=38 (0x26)
Data In:
62 24 82 01 11 83 02 F0 03 86 07 FF FF 00 00 00
03 03 8A 01 05 A5 0F 85 01 00 86 01 02 87 01 03
88 01 03 89 01 0A
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Activate DF_MINI [at minidriver_init_cp.cpp(142)]
CLA=00;  INS=44;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
F1 10
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Select DF_MINI [at minidriver_init_cp.cpp(310)]
CLA=00;  INS=A4;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
F1 10
Le=0 (0x0)  La=102 (0x66)
Data Out:
6F 64 80 01 52 81 01 94 82 01 38 83 02 F1 10 84
0C 46 4F 52 4F 53 5F 4D 49 4E 49 44 52 86 05 FF
FF FF FF 02 8A 01 05 A5 10 82 02 D1 4F 83 01 00
8A 01 FF 8D 01 00 91 01 81 4F 0C 46 4F 52 4F 53
5F 4D 49 4E 49 44 52 B1 10 F0 01 10 00 F1 00 20
00 F2 00 F3 00 F0 02 F0 03 B2 03 08 08 08 B3 06
```

```
10 40 01 03 02 01
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Load ADMIN_PIN [at minidriver_init_cp.cpp(312)]
CLA=00;  INS=24;  P1=01;  P2=03
Lc=8 (0x8)
Data In:
32 32 32 32 32 32 32 32
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
VERIFY ADMIN_PIN [at minidriver_init_cp.cpp(313)]
CLA=00;  INS=20;  P1=00;  P2=03
Lc=8 (0x8)
Data In:
32 32 32 32 32 32 32 32
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Load USER_PIN [at minidriver_init_cp.cpp(316)]
CLA=00;  INS=24;  P1=01;  P2=01
Lc=8 (0x8)
Data In:
31 31 31 31 31 31 31 31
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
VERIFY USER_PIN [at minidriver_init_cp.cpp(317)]
CLA=00;  INS=20;  P1=00;  P2=01
Lc=8 (0x8)
Data In:
31 31 31 31 31 31 31 31
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Select MF [at minidriver_init_cp.cpp(320)]
CLA=00;  INS=A4;  P1=00;  P2=0C
Lc=2 (0x2)
Data In:
3F 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Select DF_MINI [at minidriver_init_cp.cpp(321)]
CLA=00;  INS=A4;  P1=00;  P2=0C
Lc=2 (0x2)
Data In:
F1 10
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Select FRF_F_INFO_0 [at minidriver_init_cp.cpp(322)]
CLA=00;  INS=A4;  P1=00;  P2=0C
Lc=2 (0x2)
Data In:
F1 00
Le=0 (0x0)  La=0 (0x0)
```

```
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Select MF [at minidriver_init_cp.cpp(357)]
CLA=00;  INS=A4;  P1=00;  P2=0C
Lc=2 (0x2)
Data In:
3F 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Select DF_MINI [at minidriver_init_cp.cpp(358)]
CLA=00;  INS=A4;  P1=00;  P2=0C
Lc=2 (0x2)
Data In:
F1 10
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Select PARENT_DF [at minidriver_init_cp.cpp(359)]
CLA=00;  INS=A4;  P1=00;  P2=0C
Lc=2 (0x2)
Data In:
F1 10
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Select FRF_F_INFO_0 [at minidriver_init_cp.cpp(360)]
CLA=00;  INS=A4;  P1=00;  P2=0C
Lc=2 (0x2)
Data In:
F1 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Update F_INFO [at minidriver_init_cp.cpp(364)]
CLA=00;  INS=DC;  P1=01;  P2=04
Lc=11 (0xB)
Data In:
01 00 10 63 61 72 64 69 64 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Create EF [at minidriver_init_cp.cpp(365)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 00 10 82 01 01 83 02 20 00 86 06 FF
FF 03 00 03 FF 8A 01 05
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Select CARDID [at minidriver_init_cp.cpp(334)]
CLA=00;  INS=A4;  P1=00;  P2=0C
Lc=2 (0x2)
Data In:
20 00
Le=0 (0x0)  La=0 (0x0)
```

```
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
UPDATE cardid [at minidriver_init_cp.cpp(335)]
CLA=00;  INS=D6;  P1=00;  P2=00
Lc=16 (0x10)
Data In:
84 29 2B 0E F6 78 4D F3 20 F1 BB 94 40 80 69 BE
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Select MF [at minidriver_init_cp.cpp(357)]
CLA=00;  INS=A4;  P1=00;  P2=0C
Lc=2 (0x2)
Data In:
3F 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Select DF_MINI [at minidriver_init_cp.cpp(358)]
CLA=00;  INS=A4;  P1=00;  P2=0C
Lc=2 (0x2)
Data In:
F1 10
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Select PARENT_DF [at minidriver_init_cp.cpp(359)]
CLA=00;  INS=A4;  P1=00;  P2=0C
Lc=2 (0x2)
Data In:
F1 10
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Select FRF_F_INFO_0 [at minidriver_init_cp.cpp(360)]
CLA=00;  INS=A4;  P1=00;  P2=0C
Lc=2 (0x2)
Data In:
F1 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Update F_INFO [at minidriver_init_cp.cpp(364)]
CLA=00;  INS=DC;  P1=02;  P2=04
Lc=11 (0xB)
Data In:
01 00 06 63 61 72 64 63 66 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Create EF [at minidriver_init_cp.cpp(365)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 00 06 82 01 01 83 02 20 01 86 06 FF
FF 02 00 02 FF 8A 01 05
Le=0 (0x0)  La=0 (0x0)
```

```
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Select MF [at minidriver_init_cp.cpp(357)]
CLA=00;  INS=A4;  P1=00;  P2=0C
Lc=2 (0x2)
Data In:
3F 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Select DF_MINI [at minidriver_init_cp.cpp(358)]
CLA=00;  INS=A4;  P1=00;  P2=0C
Lc=2 (0x2)
Data In:
F1 10
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Select PARENT_DF [at minidriver_init_cp.cpp(359)]
CLA=00;  INS=A4;  P1=00;  P2=0C
Lc=2 (0x2)
Data In:
F1 10
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Select FRF_F_INFO_0 [at minidriver_init_cp.cpp(360)]
CLA=00;  INS=A4;  P1=00;  P2=0C
Lc=2 (0x2)
Data In:
F1 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Update F_INFO [at minidriver_init_cp.cpp(364)]
CLA=00;  INS=DC;  P1=03;  P2=04
Lc=11 (0xB)
Data In:
01 00 09 63 61 72 64 61 70 70 73
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Create EF [at minidriver_init_cp.cpp(365)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 00 09 82 01 01 83 02 20 02 86 06 FF
FF 03 00 03 FF 8A 01 05
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Select cardapps-ef [at minidriver_init_cp.cpp(338)]
CLA=00;  INS=A4;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
20 02
Le=0 (0x0)  La=31 (0x1F)
```

```
Data Out:
6F 1D 80 01 09 81 01 36 82 01 01 83 02 20 02 86
06 FF FF 03 00 03 FF 8A 01 05 A5 03 83 01 00
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Update cardapps-ef [at minidriver_init_cp.cpp(343)]
CLA=00;  INS=D6;  P1=00;  P2=00
Lc=9 (0x9)
Data In:
01 6D 73 63 70 00 00 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Select MF [at minidriver_init_cp.cpp(376)]
CLA=00;  INS=A4;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
3F 00
Le=0 (0x0)  La=52 (0x34)
Data Out:
6F 32 80 01 20 81 01 62 82 01 38 83 02 3F 00 86
05 00 79 79 79 79 8A 01 05 A5 19 80 03 02 27 9D
81 02 D0 D6 82 02 D0 A9 83 01 01 8A 01 83 8D 01
00 91 01 81
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Select DF_MINI [at minidriver_init_cp.cpp(377)]
CLA=00;  INS=A4;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
F1 10
Le=0 (0x0)  La=102 (0x66)
Data Out:
6F 64 80 01 52 81 01 94 82 01 38 83 02 F1 10 84
0C 46 4F 52 4F 53 5F 4D 49 4E 49 44 52 86 05 FF
FF FF FF 02 8A 01 05 A5 10 82 02 D0 A9 83 01 00
8A 01 FF 8D 01 00 91 01 81 4F 0C 46 4F 52 4F 53
5F 4D 49 4E 49 44 52 B1 10 F0 01 10 00 F1 00 20
00 F2 00 F3 00 F0 02 F0 03 B2 03 08 08 08 B3 06
10 40 01 03 02 01
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Select FRF_DIR_INFO [at minidriver_init_cp.cpp(378)]
CLA=00;  INS=A4;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
F0 01
Le=0 (0x0)  La=33 (0x21)
Data Out:
6F 1F 80 01 48 81 01 81 82 03 02 C1 09 83 02 F0
01 86 06 FF FF FF 00 02 FF 8A 01 05 A5 03 83 01
00
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Update DIR_INFO [at minidriver_init_cp.cpp(382)]
CLA=00;  INS=DC;  P1=01;  P2=04
Lc=9 (0x9)
Data In:
01 6D 73 63 70 00 00 00 00
```

```
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Create DIR [at minidriver_init_cp.cpp(383)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=27 (0x1B)
Data In:
62 19 80 01 00 82 01 38 83 02 10 00 86 05 FF FF
FF FF 02 8A 01 05 A5 03 8A 01 FF
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Create FRF_F_INFO_0 [at minidriver_init_cp.cpp(192)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=26 (0x1A)
Data In:
62 18 80 02 00 58 82 03 02 C1 0B 83 02 F1 00 86
06 FF FF FF 00 02 FF 8A 01 03
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
APPEND RECORD [at minidriver_init_cp.cpp(204)]
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=11 (0xB)
Data In:
00 00 00 00 00 00 00 00 00 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
APPEND RECORD [at minidriver_init_cp.cpp(204)]
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=11 (0xB)
Data In:
00 00 00 00 00 00 00 00 00 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
APPEND RECORD [at minidriver_init_cp.cpp(204)]
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=11 (0xB)
Data In:
00 00 00 00 00 00 00 00 00 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
APPEND RECORD [at minidriver_init_cp.cpp(204)]
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=11 (0xB)
Data In:
00 00 00 00 00 00 00 00 00 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
APPEND RECORD [at minidriver_init_cp.cpp(204)]
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=11 (0xB)
Data In:
```

```
00 00 00 00 00 00 00 00 00 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
APPEND RECORD [at minidriver_init_cp.cpp(204)]
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=11 (0xB)
Data In:
00 00 00 00 00 00 00 00 00 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
APPEND RECORD [at minidriver_init_cp.cpp(204)]
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=11 (0xB)
Data In:
00 00 00 00 00 00 00 00 00 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
APPEND RECORD [at minidriver_init_cp.cpp(204)]
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=11 (0xB)
Data In:
00 00 00 00 00 00 00 00 00 00 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Activate FRF_F_INFO_0 [at minidriver_init_cp.cpp(206)]
CLA=00;  INS=44;  P1=00;  P2=00
Lc=0 (0x0)
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Select MF [at minidriver_init_cp.cpp(357)]
CLA=00;  INS=A4;  P1=00;  P2=0C
Lc=2 (0x2)
Data In:
3F 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Select DF_MINI [at minidriver_init_cp.cpp(358)]
CLA=00;  INS=A4;  P1=00;  P2=0C
Lc=2 (0x2)
Data In:
F1 10
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Select PARENT_DF [at minidriver_init_cp.cpp(359)]
CLA=00;  INS=A4;  P1=00;  P2=0C
Lc=2 (0x2)
Data In:
10 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
```

```
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Select FRF_F_INFO_0 [at minidriver_init_cp.cpp(360)]
CLA=00;  INS=A4;  P1=00;  P2=0C
Lc=2 (0x2)
Data In:
F1 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Update F_INFO [at minidriver_init_cp.cpp(364)]
CLA=00;  INS=DC;  P1=01;  P2=04
Lc=11 (0xB)
Data In:
01 00 56 63 6D 61 70 66 69 6C 65
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Create EF [at minidriver_init_cp.cpp(365)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 03 E8 82 01 01 83 02 20 00 86 06 FF
FF 02 00 02 FF 8A 01 05
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Select cmapfile-ef [at minidriver_init_cp.cpp(347)]
CLA=00;  INS=A4;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
20 00
Le=0 (0x0)  La=33 (0x21)
Data Out:
6F 1F 80 02 03 E8 81 02 04 15 82 01 01 83 02 20
00 86 06 FF FF 02 00 02 FF 8A 01 05 A5 03 83 01
00
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
Select MF [at minidriver_init_cp.cpp(282)]
CLA=00;  INS=A4;  P1=00;  P2=0C
Lc=2 (0x2)
Data In:
3F 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
==================================
select DF_MINI [at minidriver_init_cp.cpp(283)]
CLA=00;  INS=A4;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
F1 10
Le=0 (0x0)  La=102 (0x66)
Data Out:
6F 64 80 01 52 81 01 94 82 01 38 83 02 F1 10 84
0C 46 4F 52 4F 53 5F 4D 49 4E 49 44 52 86 05 FF
FF FF FF 02 8A 01 05 A5 10 82 02 CB C1 83 01 00
8A 01 FF 8D 01 00 91 01 81 4F 0C 46 4F 52 4F 53
5F 4D 49 4E 49 44 52 B1 10 F0 01 10 00 F1 00 20
```

```
00 F2 00 F3 00 F0 02 F0 03 B2 03 08 08 08 B3 06
10 40 01 03 02 01
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
DELETE KF_ADMIN_PIN [at minidriver_init_cp.cpp(284)]
CLA=00;  INS=E4;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
F0 03
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Create KF_PIN_ADMIN [at minidriver_init_cp.cpp(285)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=38 (0x26)
Data In:
62 24 82 01 11 83 02 F0 03 86 07 FF FF FF 00 00
03 03 8A 01 05 A5 0F 85 01 03 86 01 06 87 01 03
88 01 03 89 01 0A
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
Load ADMIN_PIN [at minidriver_init_cp.cpp(353)]
CLA=00;  INS=24;  P1=01;  P2=03
Lc=16 (0x10)
Data In:
32 32 32 32 32 32 32 32 32 32 32 32 32 32 32 32
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
select MF [at minidriver_init_cp.cpp(456)]
CLA=00;  INS=A4;  P1=00;  P2=0C
Lc=2 (0x2)
Data In:
3F 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
select DF [at minidriver_init_cp.cpp(458)]
CLA=00;  INS=A4;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
F1 10
Le=0 (0x0)  La=102 (0x66)
Data Out:
6F 64 80 01 52 81 01 94 82 01 38 83 02 F1 10 84
0C 46 4F 52 4F 53 5F 4D 49 4E 49 44 52 86 05 FF
FF FF FF 02 8A 01 05 A5 10 82 02 CB B1 83 01 00
8A 01 FF 8D 01 00 91 01 81 4F 0C 46 4F 52 4F 53
5F 4D 49 4E 49 44 52 B1 10 F0 01 10 00 F1 00 20
00 F2 00 F3 00 F0 02 F0 03 B2 03 08 08 08 B3 06
10 40 01 03 02 01
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
Power off

       4.882 sec.

Power on
```

```
ATR: 3B 9E 96 00 80 31 C0 65 4D 47 00 00 00 72 F7 41 81 07
================================
SELECT MF [at init_gost_df_promo5.cpp(28)]
CLA=00;  INS=A4;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
3F 00
Le=0 (0x0)  La=52 (0x34)
Data Out:
6F 32 80 01 20 81 01 62 82 01 38 83 02 3F 00 86
05 00 79 79 79 79 8A 01 05 A5 19 80 03 02 27 9D
81 02 CB E6 82 02 CB B1 83 01 01 8A 01 83 8D 01
00 91 01 81
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
SELECT DF [at init_gost_df_promo5.cpp(29)]
CLA=00;  INS=A4;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
F0 00
Le=0 (0x0)  La=147 (0x93)
Data Out:
6F 81 90 80 01 61 81 01 A3 82 01 38 83 02 F0 00
84 05 43 50 43 53 50 86 05 00 FF 79 8F FF 8A 01
05 A5 10 82 02 CB B1 83 01 00 8A 01 83 8D 01 00
91 01 81 4F 05 43 50 43 53 50 01 02 00 02 02 40
69 E2 F0 FA B0 46 B4 E5 DA BE 31 E4 62 56 5A 80
9D 40 04 50 C3 5F AC 59 ED A1 59 59 A7 A5 56 91
34 D9 59 5C 1B B1 75 B5 E2 21 DA AE 6E C8 25 FA
22 11 9A 09 BB 65 AD 01 44 F4 74 25 2E 2E 55 CC
03 02 00 06 CE 04 00 00 00 00 CD 04 00 00 00 00
CB 01 01
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
VERIFY PAS [at init_gost_df_promo5.cpp(30)]
CLA=00;  INS=20;  P1=00;  P2=79
Lc=8 (0x8)
Data In:
ED 05 E5 07 E1 A6 01 50
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
SELECT MF [at init_gost_df_promo5.cpp(31)]
CLA=00;  INS=A4;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
3F 00
Le=0 (0x0)  La=52 (0x34)
Data Out:
6F 32 80 01 20 81 01 62 82 01 38 83 02 3F 00 86
05 00 79 79 79 79 8A 01 05 A5 19 80 03 02 27 9D
81 02 CB E6 82 02 CB B1 83 01 01 8A 01 83 8D 01
00 91 01 81
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE DF 3100 [at init_gost_df_promo5.cpp(35)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 01 00 82 01 38 83 02 31 00 86 05 FF 79
```

```
79 FF 79 A5 03 8A 01 83
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE KF 3115 [at init_gost_df_promo5.cpp(44)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=38 (0x26)
Data In:
62 24 82 01 11 83 02 31 15 86 0A FF FF FF 00 00
15 FF FF FF FF A5 0F 85 01 00 86 01 02 87 01 15
88 01 15 89 01 0A
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CH REF DATA: GOST_APPL_PAS [at init_gost_df_promo5.cpp(56)]
CLA=00;  INS=24;  P1=01;  P2=00
Lc=8 (0x8)
Data In:
33 21 BA 95 EF 78 21 99
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
VERIFY: GOST_APPL_PAS [at init_gost_df_promo5.cpp(57)]
CLA=00;  INS=20;  P1=00;  P2=15
Lc=8 (0x8)
Data In:
33 21 BA 95 EF 78 21 99
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: KF 11 (GOST 3410 2012 key) [at init_gost_df_promo5.cpp(80)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=47 (0x2F)
Data In:
62 2D 82 01 11 83 02 31 13 86 0A FF FF FF 00 15
15 15 15 15 15 A5 18 85 01 31 86 01 8F 87 01 13
88 01 13 89 01 0A 8E 01 02 8B 01 01 8F 01 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
GEN KEY PAIR [at init_gost_df_promo5.cpp(98)]
CLA=00;  INS=46;  P1=00;  P2=00
Lc=0 (0x0)
Le=0 (0x0)  La=64 (0x40)
Data Out:
D3 58 D6 B7 8E 60 2A BD 3D 72 83 ED F5 43 33 31
A8 31 B8 EA DB A0 F5 55 47 BF 30 73 20 6B 43 ED
39 6E FA 16 07 D2 4B 8C EF 07 2A E8 50 18 D9 83
E6 81 68 1D D2 91 25 E9 22 EB 38 24 09 24 FF EF
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
ACTIVATE DF 3100 [at init_gost_df_promo5.cpp(101)]
CLA=00;  INS=44;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
31 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
```

```
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
Power off

       1.638 sec.

Power on
ATR: 3B 9E 96 00 80 31 C0 65 4D 47 00 00 00 72 F7 41 81 07
================================
SELECT MF [at sys_pr.cpp(118)]
CLA=00;  INS=A4;  P1=00;  P2=00
Lc=2 (0x2)
Data In:
3F 00
Le=0 (0x0)  La=52 (0x34)
Data Out:
6F 32 80 01 20 81 01 62 82 01 38 83 02 3F 00 86
05 00 79 79 79 79 8A 01 05 A5 19 80 03 02 27 9D
81 02 CA 99 82 02 CA 64 83 01 01 8A 01 83 8D 01
00 91 01 81
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
SELECT DF [at sys_pr.cpp(120)]
CLA=00;  INS=A4;  P1=04;  P2=00
Lc=11 (0xB)
Data In:
53 79 73 5F 70 72 6F 66 69 6C 65
Le=0 (0x0)  La=69 (0x45)
Data Out:
6F 43 80 01 18 81 01 5A 82 01 38 83 02 52 00 84
0B 53 79 73 5F 70 72 6F 66 69 6C 65 86 05 47 47
FF FF 47 8A 01 05 A5 10 82 02 CA 64 83 01 00 8A
01 83 8D 01 00 91 01 81 4F 0B 53 79 73 5F 70 72
6F 66 69 6C 65
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
VERIFY Init Key [at sys_pr.cpp(122)]
CLA=00;  INS=20;  P1=00;  P2=47
Lc=8 (0x8)
Data In:
59 E4 71 01 5C 13 E6 1B
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE KF 5113 ADMIN [at sys_pr.cpp(125)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=38 (0x26)
Data In:
62 24 82 01 11 83 02 52 13 86 0A FF FF FF 00 00
43 FF FF FF FF A5 0F 85 01 00 86 01 02 87 01 43
88 01 43 89 01 05
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CH REF DATA: ADMIN PAS [at sys_pr.cpp(136)]
CLA=00;  INS=24;  P1=01;  P2=00
Lc=8 (0x8)
Data In:
1C 76 6F 0E FE 89 29 32
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
```

```
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE KF 5111 USER [at sys_pr.cpp(138)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=38 (0x26)
Data In:
62 24 82 01 11 83 02 52 11 86 0A FF 43 FF 00 00
43 43 FF FF FF A5 0F 85 01 00 86 01 02 87 01 41
88 01 41 89 01 05
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CH REF DATA: USER PAS [at sys_pr.cpp(149)]
CLA=00;  INS=24;  P1=01;  P2=00
Lc=8 (0x8)
Data In:
C8 55 28 47 E1 CF 66 0E
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE_FILE: KF REG UPDATE [at sys_pr.cpp(152)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=41 (0x29)
Data In:
62 27 82 01 11 83 02 52 15 86 0A FF 43 FF 00 00
43 43 FF FF FF 8A 01 05 A5 0F 85 01 00 86 01 02
87 01 45 88 01 45 89 01 05
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CH REF DATA: UPDATE PAS [at sys_pr.cpp(168)]
CLA=00;  INS=24;  P1=01;  P2=00
Lc=8 (0x8)
Data In:
45 EB 96 78 96 D5 70 73
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE VRF 5101 OneTimeWrite [at sys_pr.cpp(172)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=24 (0x18)
Data In:
62 16 80 02 01 00 82 01 04 83 02 52 01 86 06 FF
FF FF 00 FF 45 8A 01 05
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE CRF 5102 UserData [at sys_pr.cpp(180)]
CLA=00;  INS=E0;  P1=00;  P2=00
Lc=25 (0x19)
Data In:
62 17 80 02 01 00 82 03 06 C1 40 83 02 52 02 86
05 FF FF FF 41 45 8A 01 05
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CREATE VRF 5103 ServiceData [at sys_pr.cpp(188)]
CLA=00;  INS=E0;  P1=00;  P2=00
```

```
Lc=24 (0x18)
Data In:
62 16 80 02 02 00 82 01 04 83 02 52 03 86 06 FF
FF FF 00 47 47 8A 01 05
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
SELECT DF [at sys_pr.cpp(197)]
CLA=00;  INS=A4;  P1=04;  P2=00
Lc=11 (0xB)
Data In:
53 79 73 5F 70 72 6F 66 69 6C 65
Le=0 (0x0)  La=69 (0x45)
Data Out:
6F 43 80 01 18 81 01 5A 82 01 38 83 02 52 00 84
0B 53 79 73 5F 70 72 6F 66 69 6C 65 86 05 47 47
FF FF 47 8A 01 05 A5 10 82 02 C4 BA 83 01 00 8A
01 83 8D 01 00 91 01 81 4F 0B 53 79 73 5F 70 72
6F 66 69 6C 65
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
Power off

       1.653 sec.

Power on
ATR: 3B 9E 96 00 80 31 C0 65 4D 47 00 00 00 72 F7 41 81 07
================================
SELECT MF
CLA=00;  INS=A4;  P1=00;  P2=0C
Lc=2 (0x2)
Data In:
3F 00
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
CALC CRC
CLA=80;  INS=70;  P1=00;  P2=00
Lc=0 (0x0)
Le=0 (0x0)  La=4 (0x4)
Data Out:
31 D7 4C 81
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
SELECT DF
CLA=00;  INS=A4;  P1=04;  P2=0C
Lc=11 (0xB)
Data In:
53 79 73 5F 70 72 6F 66 69 6C 65
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
VERIFY Init Key
CLA=00;  INS=20;  P1=00;  P2=47
Lc=8 (0x8)
Data In:
59 E4 71 01 5C 13 E6 1B
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
```

```
================================
VERIFY: Read OTP
CLA=80;  INS=FE;  P1=06;  P2=00
Lc=0 (0x0)
Le=0 (0x0)  La=128 (0x80)
Data Out:
30 80 20 83 A1 E5 46 00 19 48 42 44 00 25 4F 44
BB 42 00 24 00 01 33 4D 00 00 00 00 00 00 00 00
4F 00 3E 50 C1 AF 00 FF 03 00 FC FF 00 FF 3E 30
C1 CF 38 C7 03 00 FC FF 00 FF 03 00 FC FF 00 FF
03 00 FC FF 00 FF 3E 12 C1 ED B9 46 00 FF 00 00
00 42 58 00 00 00 00 00 44 BB 8E 71 03 00 FC FF
00 FF 03 00 FC FF 00 FF 03 00 FC FF 00 FF 03 00
FC FF 00 FF 00 00 00 43 1E 46 BD F3 AA 01 55 01
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
SELECT VRF
CLA=00;  INS=A4;  P1=00;  P2=0C
Lc=2 (0x2)
Data In:
52 03
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
APPEND RECORD 01
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=9 (0x9)
Data In:
01 07 30 80 20 83 A1 E5 46
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
APPEND RECORD 02
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=8 (0x8)
Data In:
02 06 22 10 24 17 19 52
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
APPEND RECORD 03
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=6 (0x6)
Data In:
03 04 31 D7 4C 81
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
APPEND RECORD 04
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=21 (0x15)
Data In:
04 13 55 53 42 5F 50 72 6F 6D 6F 35 5F 31 36 30
5F 32 30 32 32
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
APPEND RECORD 05
```

```
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=26 (0x1A)
Data In:
05 18 C7 E0 FF E2 EA E0 20 4E 37 34 20 EE F2 20
32 34 2E 31 30 2E 32 30 32 32
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
================================
APPEND RECORD 06
CLA=00;  INS=E2;  P1=00;  P2=00
Lc=6 (0x6)
Data In:
06 04 00 00 00 64
Le=0 (0x0)  La=0 (0x0)
SW1=90; SW2=00 (Command Ok)
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>
Power off

       1.279 sec.

Подключение считывателя SCM Microsystems Inc. SCR331-DI Smart Card Reader
0...Выполнено
-> SELECT 3F00

CREATE FILE: DF:D001

-> SELECT D001

CREATE FILE: KF:001F

CREATE FILE: BF:0011

CREATE FILE: BF:0012

CREATE FILE: ARF:A001

CREATE FILE: KF:001D

CREATE FILE: KF:001E

CREATE FILE: BF:0001

CREATE FILE: BF:0009

CREATE FILE: KF:1021

CREATE FILE: KF:1022

CREATE FILE: KF:1023

CREATE FILE: KF:1024

-> SELECT PARENT


SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=A4 P1=08 P2=0C P3=02...
Data In:
  F0 00                                              ..

SW=9000
```

```
SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=20 P1=00 P2=79 P3=08...
Data In:
  XX XX XX XX XX XX XX XX
SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=A4 P1=00 P2=0C P3=02...
Data In:
  3F 00                                             ?.

SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=A4 P1=00 P2=0C P3=02...
Data In:
  3F 00                                             ?.

SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=E0 P1=00 P2=00 P3=2A...
Data In:
  62 28 80 02 00 20 82 01 38 83 02 D0 01 84 0C 46    b(... ..8......F
  4F 52 4F 53 5F 50 4B 43 53 31 31 86 05 6F FF 6F    OROS_PKCS11..o.o
  FF 6F A5 06 8A 01 85 91 01 81                      .o........

SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=A4 P1=03 P2=0C P3=00... SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=A4 P1=00 P2=0C P3=02...
Data In:
  D0 01                                             ..

SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=E0 P1=00 P2=00 P3=29...
Data In:
  62 27 82 01 11 83 02 00 1F 86 0A FF FF 6F 00 00    b'...........o..
  FF FF FF FF FF A5 12 85 01 00 86 01 02 87 01 6F    ...............o
  88 01 6F 89 01 08 8F 01 01                         ..o......

SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=24 P1=01 P2=6F P3=08...
Data In:
  XX XX XX XX XX XX XX XX
SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
```

```
CLA=00 INS=20 P1=00 P2=6F P3=08...
Data In:
  XX XX XX XX XX XX XX XX
SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=44 P1=00 P2=00 P3=00... SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=E0 P1=00 P2=00 P3=15...
Data In:
  62 13 80 02 00 20 82 01 01 83 02 00 11 86 06 FF    b.... ..........
  FF 6F 00 67 FF                                     .o.g.

SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=44 P1=00 P2=00 P3=00... SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=E0 P1=00 P2=00 P3=15...
Data In:
  62 13 80 02 00 48 82 01 01 83 02 00 12 86 06 FF    b....H..........
  FF 6F 00 6F FF                                     .o.o.

SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=44 P1=00 P2=00 P3=00... SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=D6 P1=00 P2=00 P3=48...
Data In:
  FB 6C 58 BA 01 00 53 6D 61 72 74 50 61 72 6B 20    .lX...SmartPark
  20 20 20 20 20 20 20 20 20 20 20 20 20 20 20 20
  20 20 20 20 20 20 00 FF 05 05 04 08 00 00 7C 00          ........|.
  00 00 00 F8 00 80 00 00 18 00 00 00 00 30 00 80    .............0..
  02 09 00 21 22 23 24 00                            ...!"#$.

SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=E0 P1=00 P2=00 P3=18...
Data In:
  62 16 80 01 06 82 01 12 83 02 A0 01 86 05 FF FF    b...............
  6F 00 6F A5 03 84 01 01                            o.o.....

SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=44 P1=00 P2=00 P3=00... SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=DA P1=02 P2=68 P3=04...
Data In:
```

```
  01 67 01 69                                          .g.i

SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=E0 P1=00 P2=00 P3=29...
Data In:
  62 27 82 01 11 83 02 00 1D 86 0A FF FF 6F 00 6F    b'...........o.o
  67 FF FF FF FF A5 12 85 01 00 86 01 02 87 01 67    g.............g
  88 01 67 89 01 05 8F 01 01                         ..g......

SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=24 P1=01 P2=67 P3=08...
Data In:
  XX XX XX XX XX XX XX XX
SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=44 P1=00 P2=00 P3=00... SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=E0 P1=00 P2=00 P3=29...
Data In:
  62 27 82 01 11 83 02 00 1E 86 0A 67 67 6F 00 6F    b'.........ggo.o
  68 67 FF FF FF A5 12 85 01 00 86 01 02 87 01 69    hg............i
  88 01 69 89 01 05 8F 01 01                         ..i......

SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=24 P1=01 P2=69 P3=08...
Data In:
  XX XX XX XX XX XX XX XX
SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=44 P1=00 P2=00 P3=00... SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=E0 P1=00 P2=00 P3=15...
Data In:
  62 13 80 02 18 F4 82 01 01 83 02 00 01 86 06 FF    b...............
  FF 6F 69 69 69                                     .oiii

SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=44 P1=00 P2=00 P3=00... SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=E0 P1=00 P2=00 P3=15...
Data In:
  62 13 80 02 7D BC 82 01 01 83 02 00 09 86 06 FF    b...}...........
```

```
  FF 6F 00 00 00                                      .o...

SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===============================================
CLA=00 INS=44 P1=00 P2=00 P3=00... SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===============================================
CLA=00 INS=E0 P1=00 P2=00 P3=2C...
Data In:
  62 2A 82 01 11 83 02 10 21 86 0A 69 69 6F 69 69    b*......!..iioii
  69 FF 69 69 69 A5 15 85 01 21 86 01 88 87 01 21    i.iii....!.....!
  88 01 21 89 01 00 8E 01 04 8F 01 01                ..!.........

SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===============================================
CLA=00 INS=44 P1=00 P2=00 P3=00... SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===============================================
CLA=00 INS=E0 P1=00 P2=00 P3=2C...
Data In:
  62 2A 82 01 11 83 02 10 22 86 0A 69 69 6F 69 69    b*......"..iioii
  69 FF 69 69 69 A5 15 85 01 21 86 01 88 87 01 22    i.iii....!....."
  88 01 22 89 01 00 8E 01 04 8F 01 01                ..".........

SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===============================================
CLA=00 INS=44 P1=00 P2=00 P3=00... SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===============================================
CLA=00 INS=E0 P1=00 P2=00 P3=2F...
Data In:
  62 2D 82 01 11 83 02 10 23 86 0A 69 69 6F 69 69    b-......#..iioii
  69 FF 69 69 69 A5 18 85 01 21 86 01 88 87 01 23    i.iii....!.....#
  88 01 23 89 01 00 8B 01 00 8E 01 04 8F 01 01       ..#............

SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===============================================
CLA=00 INS=44 P1=00 P2=00 P3=00... SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===============================================
CLA=00 INS=E0 P1=00 P2=00 P3=2F...
Data In:
  62 2D 82 01 11 83 02 10 24 86 0A 69 69 6F 69 69    b-......$..iioii
  69 FF 69 69 69 A5 18 85 01 21 86 01 88 87 01 24    i.iii....!.....$
  88 01 24 89 01 00 8B 01 00 8E 01 04 8F 01 01       ..$............

SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===============================================
CLA=00 INS=44 P1=00 P2=00 P3=00... SW=9000
```

```
SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=A4 P1=00 P2=0C P3=02...
Data In:
  D0 01                                                ..

SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=44 P1=00 P2=00 P3=00... SW=9000

SCM Microsystems Inc. SCR331-DI Smart Card Reader 0
===========================================
CLA=00 INS=A4 P1=03 P2=0C P3=00... SW=9000
Файловая система создана успешно.

Времени затрачено: 2.839 сек.

Loading library foros_pkcs11.dll... ok
Preferred reader "SCM Microsystems Inc. SCR331-DI Smart Card Reader 0"
Looking for C_GetFunctionList... ok
C_Initialize... ok
C_GetSlotList... ok
InitializeToken... ok
FreeLibrary... FreeLibrary ok
```