

SafeGuard[®] CryptoServer Error Reference

April 8, 2009

1 Imprint

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Document Number 2003-0001

Version 2.0.0

Status Released

Date April 8, 2009

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2 Introduction

This document contains a complete list of all standard error codes that can be generated by any software developed for Utimaco's hardware security module CryptoServer. Error codes that are generated by customer specific software developed for the CryptoServer are not described in this document. They are described in the individual documentation of that customer-specific software.

2.1 Structure of the error codes

All error codes are built according to a special scheme. Based on the value of an error code it can uniquely be identified which part of the software has generated the error. Each error code is a 4 byte integer displayed as a 8-digit hexadecimal number. The first digit is always a 'B'. The second digit divides the error code into three classes:

- Second digit is in the range '0' to '3':
This means the error is generated from any firmware module inside the CryptoServer. In this case the second to the fourth digit define the ID of the firmware module (Function Code, FC). The last four digits contain the individual error code within this firmware module. For example, the error code B087000F is generated from the firmware module 0x087 (the administration module ADM), which issued the error code 000F. Currently only error code starting with B0 are defined by Utimaco. All error code starting with B1 are reserved for firmware modules developed by customers or OEM partners. The error code prefixes B2 and B3 are not used yet and are reserved for future use.
- Second digit is '9':
This means the error is generated by any standard software outside the CryptoServer, for example the device driver for the CryptoServer, the TCP software of the CryptoServer LAN or an API running on a host system. In this case the third and fourth digit identify the software module. The last four digits contain the individual error code within this software. For example, the error code B9010007 is generated from the software identified by its id 0x01 (the UNIX version of the TCP section of the CryptoServer API, CSAPI), which issued the error code 0007.
- Second digit is 'A':
This means the error is generated by any customer specific software outside the CryptoServer, for example a customer specific API running on a host system. In this case the third to the fifth digit identify the software module. The last three digits contain the individual error code within this software.
These error codes are not described in this document.

3 Error Description Table

Code	Description
B000xxxx	CryptoServer module SMOS
B00001xx	CryptoServer module SMOS SENS section
B0000100	CryptoServer module SMOS SENS section Sensory write error
B0000101	CryptoServer module SMOS SENS section Sensory read error
B0000102	CryptoServer module SMOS SENS section Bad info type
B0000103	CryptoServer module SMOS SENS section Error during memory allocation
B0000104	CryptoServer module SMOS SENS section Sensory I/O error
B0000105	CryptoServer module SMOS SENS section Corrupted Master Key
B0000106	CryptoServer module SMOS SENS section Sensory error answer
B0000107	CryptoServer module SMOS SENS section CryptoServer not in alarm state
B0000108	CryptoServer module SMOS SENS section Sensory read timeout
B0000109	CryptoServer module SMOS SENS section Alarm still present, can't reset
B000010A	CryptoServer module SMOS SENS section Controller: read timeout
B000010B	CryptoServer module SMOS SENS section Controller: bad command
B000010C	CryptoServer module SMOS SENS section Controller: bad address
B000010D	CryptoServer module SMOS SENS section Controller: bad data

Code	Description
B000010E	CryptoServer module SMOS SENS section Controller: bad CRC
B000010F	CryptoServer module SMOS SENS section Bad CRC in answer
B00002xx	CryptoServer module SMOS device section
B0000201	CryptoServer module SMOS device section notifies if an error occurs during operation
B0000202	CryptoServer module SMOS device section device is used by an other session
B0000203	CryptoServer module SMOS device section illegal device name length or character set
B0000204	CryptoServer module SMOS device section illegal mode of operation
B0000205	CryptoServer module SMOS device section passed parameter illegal
B0000206	CryptoServer module SMOS device section session handle not allowed
B0000207	CryptoServer module SMOS device section corrupted data
B0000208	CryptoServer module SMOS device section device not open for operation
B0000209	CryptoServer module SMOS device section can't allocate memory space
B000020A	CryptoServer module SMOS device section no private module function
B00003xx	CryptoServer module SMOS serial device section
B0000301	CryptoServer module SMOS serial device section bad handle
B0000302	CryptoServer module SMOS serial device section device already open
B000030D	CryptoServer module SMOS serial device section read error on serial line
B000030E	CryptoServer module SMOS serial device section parameter to be modified is invalid

Code	Description
B0000310	CryptoServer module SMOS serial device section invalid parameter value to set control of SL
B0000311	CryptoServer module SMOS serial device section timeout while reading char from serial line
B0000312	CryptoServer module SMOS serial device section parity error
B0000313	CryptoServer module SMOS serial device section receiver over-run
B0000314	CryptoServer module SMOS serial device section receiver frame error
B0000315	CryptoServer module SMOS serial device section no data ready to read
B0000381	CryptoServer module SMOS serial device section too many lines open
B0000382	CryptoServer module SMOS serial device section error setting line parameters
B0000383	CryptoServer module SMOS serial device section can't open device
B0000384	CryptoServer module SMOS serial device section handle not open
B0000385	CryptoServer module SMOS serial device section invalid handle
B0000386	CryptoServer module SMOS serial device section invalid parameter value
B0000387	CryptoServer module SMOS serial device section invalid parameter type
B0000388	CryptoServer module SMOS serial device section error on read
B0000389	CryptoServer module SMOS serial device section timeout on read
B000038A	CryptoServer module SMOS serial device section error on write
B000038B	CryptoServer module SMOS serial device section timeout on write

Code	Description
B000038C	CryptoServer module SMOS serial device section error on ioctl
B0000390	CryptoServer module SMOS serial device section no valid device name
B0000391	CryptoServer module SMOS serial device section no valid Buffer selected
B0000392	CryptoServer module SMOS serial device section line state parameter incorrect
B0000393	CryptoServer module SMOS serial device section line select parameter incorrect
B0000394	CryptoServer module SMOS serial device section error in communication driver
B0000395	CryptoServer module SMOS serial device section Parity Error
B00004xx	CryptoServer module SMOS i2c device section
B0000401	CryptoServer module SMOS i2c device section one parameter is wrong
B0000402	CryptoServer module SMOS i2c device section got no acknowledge after sending a byte
B0000403	CryptoServer module SMOS i2c device section bad device identifier
B0000404	CryptoServer module SMOS i2c device section device does not exist
B0000411	CryptoServer module SMOS i2c device section parameter to be modified is invalid
B0000412	CryptoServer module SMOS i2c device section invalid parameter value
B00005xx	CryptoServer module SMOS file section
B0000501	CryptoServer module SMOS file section file system not initialized
B0000502	CryptoServer module SMOS file section the file is already opened
B0000503	CryptoServer module SMOS file section file name is not allowed

Code	Description
B0000504	CryptoServer module SMOS file section invalid open mode
B0000505	CryptoServer module SMOS file section the directory does not exist
B0000506	CryptoServer module SMOS file section the file does not exist
B0000507	CryptoServer module SMOS file section the file doesn't / already exists
B000050A	CryptoServer module SMOS file section the file isn't open for access mode
B000050B	CryptoServer module SMOS file section position offset not allowed
B000050C	CryptoServer module SMOS file section no more memory space available
B000050D	CryptoServer module SMOS file section no bad block table
B0000511	CryptoServer module SMOS file section flash file device replies an error
B0000512	CryptoServer module SMOS file section flash file device is locked
B0000513	CryptoServer module SMOS file section illegal page address
B0000514	CryptoServer module SMOS file section page parity error
B0000515	CryptoServer module SMOS file section file system is read only
B0000516	CryptoServer module SMOS file section bad file handle
B0000517	CryptoServer module SMOS file section file system full
B0000518	CryptoServer module SMOS file section file table full
B0000519	CryptoServer module SMOS file section file corrupted

Code	Description
B000051A	CryptoServer module SMOS file section different file systems
B000051B	CryptoServer module SMOS file section bad file system type, can't mount
B000051C	CryptoServer module SMOS file section too many bad blocks, giving up
B000051D	CryptoServer module SMOS file section detected bad block in flash file
B000051E	CryptoServer module SMOS file section bad flash page geometry
B000051F	CryptoServer module SMOS file section too many open file handles
B00006xx	CryptoServer module SMOS task section
B0000601	CryptoServer module SMOS task section stack overflow
B0000602	CryptoServer module SMOS task section stack corrupted
B00007xx	CryptoServer module SMOS AUDIT section
B0000700	CryptoServer module SMOS AUDIT section Audit file does not exist
B0000701	CryptoServer module SMOS AUDIT section Audit files full
B0000702	CryptoServer module SMOS AUDIT section File system full
B0000703	CryptoServer module SMOS AUDIT section Buffer too small
B00008xx	CryptoServer module SMOS MDL section
B0000801	CryptoServer module SMOS MDL section Error during memory allocation
B0000802	CryptoServer module SMOS MDL section Invalid input parameter
B0000803	CryptoServer module SMOS MDL section module already exists

Code	Description
B0000804	CryptoServer module SMOS MDL section module table full
B0000805	CryptoServer module SMOS MDL section illegall parameter passed
B0000806	CryptoServer module SMOS MDL section event not reached
B0000807	CryptoServer module SMOS MDL section module not found
B0000808	CryptoServer module SMOS MDL section can't write module to SDRAM directory
B0000809	CryptoServer module SMOS MDL section bad signed licence file
B000080A	CryptoServer module SMOS MDL section can't read bl.ini file
B000080B	CryptoServer module SMOS MDL section SLF parameter not found
B000080C	CryptoServer module SMOS MDL section invalid MTC file
B000080D	CryptoServer module SMOS MDL section invalid MMC file
B000080E	CryptoServer module SMOS MDL section No MTC signature present
B000080F	CryptoServer module SMOS MDL section Config parameter not found
B0000810	CryptoServer module SMOS MDL section Module does not match hardware type
B0000811	CryptoServer module SMOS MDL section invalid MSC file
B0000812	CryptoServer module SMOS MDL section MSC verification failed
B0000813	CryptoServer module SMOS MDL section Function not supported
B0000814	CryptoServer module SMOS MDL section Function not available
B00009xx	CryptoServer module SMOS memory section

Code	Description
B0000901	CryptoServer module SMOS memory section illegal memory type
B0000902	CryptoServer module SMOS memory section corrupted memory structure
B0000903	CryptoServer module SMOS memory section can't alloc memory
B0000904	CryptoServer module SMOS memory section bad memory address
B0000905	CryptoServer module SMOS memory section function not supported
B00010xx	CryptoServer module SMOS PCI section
B0001000	CryptoServer module SMOS PCI section DMA timeout
B0001001	CryptoServer module SMOS PCI section request canceled
B0001002	CryptoServer module SMOS PCI section MBR read timeout
B0001003	CryptoServer module SMOS PCI section MBR write timeout
B0001004	CryptoServer module SMOS PCI section bad MBR command
B0001005	CryptoServer module SMOS PCI section rx crc error
B0001006	CryptoServer module SMOS PCI section function not implemented
B0001007	CryptoServer module SMOS PCI section shutdown request received
B0001008	CryptoServer module SMOS PCI section memory allocation failed
B0001009	CryptoServer module SMOS PCI section bad sequence counter
B000100A	CryptoServer module SMOS PCI section read timeout
B000100B	CryptoServer module SMOS PCI section write timeout

Code	Description
B000100C	CryptoServer module SMOS PCI section block length error
B000100D	CryptoServer module SMOS PCI section socket error
B000100E	CryptoServer module SMOS PCI section bad state for receive
B00011xx	CryptoServer module SMOS RTC section
B0001100	CryptoServer module SMOS RTC section RTC failed
B0001101	CryptoServer module SMOS RTC section RTC not initilized
B0001102	CryptoServer module SMOS RTC section Bad parameter
B00012xx	CryptoServer module SMOS BI section
B0001201	CryptoServer module SMOS BI section invalid parameter for the function
B0001202	CryptoServer module SMOS BI section could not allocate memory
B0001203	CryptoServer module SMOS BI section effective length of result is greater than max. length
B0001204	CryptoServer module SMOS BI section divisor/modulus is zero with division or modulo
B0001205	CryptoServer module SMOS BI section operand for 'esm' is greater than modulus
B000120E	CryptoServer module SMOS BI section error opening key file
B000120F	CryptoServer module SMOS BI section error reading key file
B0001210	CryptoServer module SMOS BI section error closing key file
B0001211	CryptoServer module SMOS BI section invalid key file (header, tag, ...)
B0001213	CryptoServer module SMOS BI section error verifying signature

Code	Description
B00013xx	CryptoServer module SMOS CRYPT section
B0001301	CryptoServer module SMOS CRYPT section Error during memory allocation
B0001302	CryptoServer module SMOS CRYPT section Invalid input parameter
B0001303	CryptoServer module SMOS CRYPT section Error reading master key
B0001304	CryptoServer module SMOS CRYPT section no internal access to CS2 master key
B0001305	CryptoServer module SMOS CRYPT section CS2 master key corrupted
B0001306	CryptoServer module SMOS CRYPT section Error updating master key
B0001307	CryptoServer module SMOS CRYPT section Function not supported
B0001308	CryptoServer module SMOS CRYPT section Random number generator failed
B0001309	CryptoServer module SMOS CRYPT section SHA-512 Known Answer Test failed
B000130A	CryptoServer module SMOS CRYPT section Random number generator timeout
B0002xxx	CryptoServer module SMOS CRYPT section COFF section
B0002001	CryptoServer module SMOS CRYPT section relocation error (low 16 bits)
B0002002	CryptoServer module SMOS CRYPT section relocation error (high 16 bits)
B0002003	CryptoServer module SMOS CRYPT section relocation error (PC relative)
B0002004	CryptoServer module SMOS CRYPT section relocation error (long)
B0002005	CryptoServer module SMOS CRYPT section can't allocate memory
B0002006	CryptoServer module SMOS CRYPT section bad number of section headers

Code	Description
B0002007	CryptoServer module SMOS CRYPT section multiple BSS segments
B0002008	CryptoServer module SMOS CRYPT section multiple CINIT segments
B0002009	CryptoServer module SMOS CRYPT section missing data in segment
B000200A	CryptoServer module SMOS CRYPT section bad entry function
B000200B	CryptoServer module SMOS CRYPT section missing symbol table
B000200C	CryptoServer module SMOS CRYPT section bad relocation data
B000200D	CryptoServer module SMOS CRYPT section bad section number in relocation data
B000200E	CryptoServer module SMOS CRYPT section bad displacement in relocation data
B000200F	CryptoServer module SMOS CRYPT section bad symbol index in relocation data
B0002010	CryptoServer module SMOS CRYPT section bad relocation type
B0002011	CryptoServer module SMOS CRYPT section bad coff file header
B0002012	CryptoServer module SMOS CRYPT section missing information in coff file
B0002013	CryptoServer module SMOS CRYPT section BSS segment is not empty
B0002014	CryptoServer module SMOS CRYPT section CINIT segment is not empty
B0002015	CryptoServer module SMOS CRYPT section module does not match CPU type
B0002016	CryptoServer module SMOS CRYPT section bad relocation target address
B00050xx	CryptoServer module SMOS panic message
B0005001	CryptoServer module SMOS panic message Can't start bootloader (CRC)

Code	Description
B0005002	CryptoServer module SMOS panic message Can't start bootloader (SDRAM error)
B000500B	CryptoServer module SMOS panic message PCI interface closed
B000500C	CryptoServer module SMOS panic message memory corruption detected
B00053xx	CryptoServer module SMOS shutdown message
B0005306	CryptoServer module SMOS shutdown message High temperature
B000530A	CryptoServer module SMOS shutdown message Alarm reseted
B000530E	CryptoServer module SMOS shutdown message CryptoServer cleared
B0005344	CryptoServer module SMOS shutdown message CryptoServer halted
B001xxxx	CryptoServer module FIPS140
B0010001	CryptoServer module FIPS140 invalid module version
B0010002	CryptoServer module FIPS140 illegal firmware module in FIPS mode
B0010010	CryptoServer module FIPS140 known answer test of DES failed
B0010011	CryptoServer module FIPS140 known answer test of RSA failed
B0010012	CryptoServer module FIPS140 known answer test of AES failed
B0010013	CryptoServer module FIPS140 pair-wise consistency test of ECDSA failed
B0010014	CryptoServer module FIPS140 known answer test of HASH failed
B0010100	CryptoServer module FIPS140 bad command length
B006xxxx	boot loader
B0060000	boot loader invalid parameter
B0060001	boot loader item not found
B0060002	boot loader invalid item length
B0060003	boot loader buffer size too small
B006001x	boot loader command section

Code	Description
B0060010	boot loader bad length within format string
B0060011	boot loader bad parameter structure
B0060012	boot loader bad format string
B0060013	boot loader bad format
B0060014	boot loader timeout occurred
B0060015	boot loader command is not allowed
B0060016	boot loader invalid command header
B0060017	boot loader invalid command length
B0060018	boot loader invalid function code
B0060019	boot loader invalid sub-function code
B006001A	boot loader invalid challenge
B006003x	boot loader module section
B0060031	boot loader invalid MTC Header
B0060032	boot loader no MTC signature present
B0060033	boot loader invalid MMC Header
B0060034	boot loader no MMC signature present
B0060035	boot loader MMC hash compare failed
B0060036	boot loader invalid MSC Header
B0060037	boot loader MSC hash compare failed
B0060038	boot loader no module info found
B006004x	boot loader coff section
B0060040	boot loader invalid coff name
B0060041	boot loader invalid coff header
B0060042	boot loader invalid header magic
B0060043	boot loader invalid header size
B0060044	boot loader invalid section

Code	Description
B0060045	boot loader invalid relocation of section
B0060046	boot loader invalid run address
B0060047	boot loader invalid load address
B0060048	boot loader invalid section memory
B0060049	boot loader invalid opt header
B006004A	boot loader invalid size
B006004B	boot loader invalid address
B006004C	boot loader invalid MTC
B006004D	boot loader invalid entry point
B006004E	boot loader invalid CPU type
B006004F	boot loader invalid coff file
B006005x	boot loader signature secture
B0060050	boot loader invalid pkcs1 padding
B0060051	boot loader hash compare failed
B006006x	boot loader RSA section
B0060060	boot loader rsa result overflow
B0060061	boot loader modulus is zero
B0060062	boot loader modulus is smaller than operand
B006007x	boot loader file section
B0060071	boot loader error formating flash file
B0060072	boot loader flash file formated succesfully, now looping forever
B0060073	boot loader Initialization of file system failed
B0060074	boot loader file already exists
B0060075	boot loader invalid filename
B0060076	boot loader invalid file type
B0060077	boot loader invalid file size

Code	Description
B0060078	boot loader file not found
B006007A	boot loader file open error
B006007B	boot loader file read error
B006007C	boot loader file write error
B006007D	boot loader file close error
B006008x	boot loader PCI section
B0060080	boot loader timeout occurred
B0060081	boot loader protocol error
B0060082	boot loader length error
B0060083	boot loader crc error
B0060084	boot loader buffer size too small
B0060085	boot loader invalid parameter
B006009x	boot loader UID section
B0060090	boot loader bad CRC on UID
B0060091	boot loader UID not found
B0060092	boot loader Extended UID invalid
B00600Ax	boot loader SL section
B00600A0	boot loader invalid device name
B00600A1	boot loader invalid handle value
B00600A2	boot loader device is not open
B00600A3	boot loader device is already in use
B00600A4	boot loader invalid parameter
B00600A5	boot loader invalid parameter value
B00600A6	boot loader timeout
B00600A7	boot loader invalid crc
B00600A8	boot loader overrun error

Code	Description
B00600A9	boot loader parity error
B00600AA	boot loader framing error
B00600AB	boot loader data compare failed
B00600Bx	boot loader MSP BSL section
B00600B1	boot loader get version failed
B00600B2	boot loader sync failed
B00600B3	boot loader erase failed
B00600B4	boot loader login failed
B00600B5	boot loader write failed
B00600Cx	boot loader JTAG section
B00600C0	boot loader invalid state
B00600Dx	boot loader Flash section
B00600D0	boot loader timeout during flash operation
B00600D1	boot loader error reading flash id
B00600D2	boot loader erase failed
B00600D3	boot loader error reading flash page
B00600D4	boot loader error writing flash page
B00600D5	boot loader bad page data
B00600D6	boot loader invalid CRC
B00600E0	boot loader log file does not exist
B00600Fx	boot loader SDRAM section
B00600F1	boot loader data bus test failed
B00600F2	boot loader address bus test failed
B00600F3	boot loader device test failed
B006010x	boot loader USB section
B0060100	boot loader NACK received

Code	Description
B0060101	boot loader timeout occurred
B0060102	boot loader protocol error
B0060103	boot loader device error
B0060104	boot loader invalid parameter
B006011x	boot loader flash section
B0060111	boot loader no config page
B0060112	boot loader invalid flash size
B0060113	boot loader no bad block table
B0060114	boot loader invalid bad block table
B0060115	boot loader unable to store bad block
B0060116	boot loader page is not blank
B006012x	boot loader i2c device section
B0060120	boot loader one parameter is wrong
B0060121	boot loader got no acknowledge after sending a byte
B0060122	boot loader device does not exist
B006013x	boot loader XSVF section
B0060131	boot loader unknown error
B0060132	boot loader TDO mismatch
B0060133	boot loader TDO mismatch after max retries
B0060134	boot loader illegal command
B0060135	boot loader illegal state
B0060136	boot loader buffer overflow
B00602xx	boot loader MSP section
B0060299	boot loader MSP section timeout occurred
B00602A5	boot loader MSP section invalid command

Code	Description
B00602BD	boot loader MSP section invalid address
B00602C3	boot loader MSP section invalid data
B00602DB	boot loader MSP section invalid crc
B007xxxx	Bootloader
B0070000	Bootloader Invalid Parameter
B0070001	Bootloader Invalid Bootloader Header
B0070002	Bootloader Command is not allowed
B0070003	Bootloader Function does not exist
B0070004	Bootloader Error accessing flash file
B0070005	Bootloader Random Number Generator failed
B0070006	Bootloader Signature invalid
B0070007	Bootloader Command invalid
B0070008	Bootloader Random value invalid
B0070009	Bootloader Extended UID invalid
B007000A	Bootloader File Close Error
B007000B	Bootloader Timeout occurred
B007000C	Bootloader File already exists
B007000D	Bootloader Invalid Filename
B007000E	Bootloader invalid Coff File
B007000F	Bootloader File does not exist
B0070010	Bootloader File Open Error
B0070011	Bootloader File Read Error
B0070012	Bootloader File Write Error
B0070013	Bootloader Alarm-option is already set
B0070014	Bootloader Invalid alarm-option

Code	Description
B0070015	Bootloader Could not set RTC
B0070016	Bootloader Invalid time
B0070017	Bootloader Invalid option for the command
B0070018	Bootloader Could not clear
B0070019	Bootloader Error during unlink a file
B007001A	Bootloader Invalid time: wrong BCD
B007001B	Bootloader Invalid time: invalid leap year
B007001C	Bootloader Invalid time: invalid day
B007001D	Bootloader Invalid Transport Header
B007001E	Bootloader Invalid Command Length
B007001F	Bootloader Wrong Function Code
B007002x	Bootloader Key section
B0070020	Bootloader Key is invalid
B0070021	Bootloader Error during loading key
B0070022	Bootloader Error during storing key
B0070023	Bootloader Error during generating key
B0070024	Bootloader Key format invalid
B0070025	Bootloader Could not clear a key
B0070026	Bootloader Could not read a key
B0070027	Bootloader invalid master key
B0070028	Bootloader key is weak
B007003x	Bootloader MTC section
B0070034	Bootloader memory allocation error
B0070035	Bootloader MMC encryption type in MTC header invalid
B0070036	Bootloader no MMC signature present
B0070037	Bootloader wrong MTC type

Code	Description
B0070038	Bootloader Error reading MTC
B0070039	Bootloader Error opening MTC
B007003A	Bootloader invalid MTC Header
B007003B	Bootloader invalid MMC Header
B007003C	Bootloader wrong module version
B007003D	Bootloader no MTC signature present
B007004x	Bootloader Coff Section
B0070040	Bootloader Name invalid
B0070041	Bootloader Header invalid
B0070042	Bootloader Opt Header Magic invalid
B0070043	Bootloader Opt Header has wrong Size
B0070044	Bootloader Section invalid
B0070045	Bootloader Relocation of Section invalid
B0070046	Bootloader Run Address invalid
B0070047	Bootloader Load Address invalid
B0070048	Bootloader Section Memory invalid
B0070049	Bootloader Opt Header invalid
B007004A	Bootloader invalid Size
B007004B	Bootloader invalid Address
B007004C	Bootloader MTC invalid
B007004D	Bootloader Entry invalid
B007004E	Bootloader invalid CPU type
B007004F	Bootloader invalid Coff File
B0070050	Bootloader PKCS: Hash Verification failed
B0070051	Bootloader RAW: Wrong RSA Decryption Length
B0070052	Bootloader RAW: Zero length count

Code	Description
B0070053	Bootloader RAW: Hash Verification failed
B0070060	Bootloader Error reading temperatur
B0070061	Bootloader Error writing temperatur
B0070062	Bootloader Error adjust temperature configuration
B0070063	Bootloader temperature exceeds limit
B007007x	Bootloader file system section
B0070071	Bootloader Error formating flash file
B0070072	Bootloader flash file formatted succesfully, now looping forever
B0070073	Bootloader Initialization of file system failed
B007008x	Bootloader PCI section
B0070080	Bootloader bad PCI block length
B0070081	Bootloader PCI error
B0070082	Bootloader DMA timeout
B0070083	Bootloader request canceled
B0070084	Bootloader MBR read timeout
B0070085	Bootloader MBR write timeout
B0070086	Bootloader bad MBR command
B0070087	Bootloader rx crc error
B0070088	Bootloader function not implemmented
B0070089	Bootloader shutdown request received
B007009x	Bootloader UID section
B0070090	Bootloader bad CRC on UID
B0070091	Bootloader UID not found
B0070092	Bootloader Extended UID invalid
B00700Ax	Bootloader SL section
B00700A0	Bootloader invalid device name

Code	Description
B00700A1	Bootloader error opening devcie
B00700A2	Bootloader device is not open
B00700A3	Bootloader invalid handle value
B00700A4	Bootloader invalid parameter
B00700A5	Bootloader read error
B00700A6	Bootloader read timeout
B00700A7	Bootloader write timeout
B00700A8	Bootloader invalid buffer selector
B00700A9	Bootloader invalid line state
B00700AA	Bootloader invalid line selected
B00700AB	Bootloader device is already open
B00700AC	Bootloader bad crc
B00700Bx	Bootloader RSA section
B00700B0	Bootloader rsa result overflow
B00700B1	Bootloader modulus is zero
B00700B2	Bootloader modulus is smaller than operand
B00700Cx	Bootloader Random Number Generator Section
B00700C0	Bootloader Random Number Generator is not initialized
B00700C1	Bootloader Random Number Generator failed
B00700C2	Bootloader Random value invalid
B00700C3	Bootloader Known Answer Test failed
B00700Dx	Bootloader RTC section
B00700D0	Bootloader Could not set RTC
B00700D1	Bootloader Invalid time
B00700D2	Bootloader Invalid time: wrong BCD
B00700D3	Bootloader Invalid time: invalid leap year

Code	Description
B00700D4	Bootloader Invalid time: invalid day
B00700D5	Bootloader RTC has lost power (RTC has to be set)
B00700E0	Bootloader Log file does not exist
B00700F _x	Bootloader SDRAM section
B00700F1	Bootloader data bus test failed
B00700F2	Bootloader address bus test failed
B00700F3	Bootloader device test failed
B0070100	Bootloader Alarm has occurred
B0070101	Bootloader Could not clear alarm
B007011 _x	Bootloader Flash section
B0070110	Bootloader flash read error
B0070111	Bootloader invalid crc
B0070112	Bootloader no bad block table
B0070113	Bootloader flash write error
B0070114	Bootloader block is not formatted
B0070115	Bootloader erasing block failed
B0070116	Bootloader unable to store bad block table
B0070117	Bootloader page contains bad data
B007012 _x	Bootloader i2c device section
B0070120	Bootloader one parameter is wrong
B0070121	Bootloader got no acknowledge after sending a byte
B0070122	Bootloader device does not exist
B007013 _x	Bootloader boot flash section
B0070131	Bootloader software timeout
B0070132	Bootloader hardware timeout
B0070133	Bootloader Boot Flash data verification failed

Code	Description
B007014x	Bootloader scanf section
B0070140	Bootloader bad length within format string
B0070141	Bootloader bad parameter structure
B0070142	Bootloader bad format string
B0070143	Bootloader bad format
B0070144	Bootloader timeout occurred
B008xxxx	Bootloader Test
B0080401	Bootloader Test SDRAM data/address test failed
B0080501	Bootloader Test SDRAM byte enable test failed
B0080601	Bootloader Test FPGA data/address test failed
B0080701	Bootloader Test FPGA byte enable test failed
B0080901	Bootloader Test could not clear alarm
B0080A01	Bootloader Test KeyRAM test failed
B0080B01	Bootloader Test NVRAM test failed
B0080C01	Bootloader Test RTC test failed
B0080D01	Bootloader Test timer test failed (counter exceeds limits)
B0080D02	Bootloader Test timer test failed (jitter exceeds limits)
B0080E01	Bootloader Test Temperature test failed
B0080F01	Bootloader Test Flash file test failed
B0080F02	Bootloader Test Number of bad blocks too high
B0081001	Bootloader Test Interrupt / DMA test failed
B0081101	Bootloader Test Number of generated random bytes too small
B0081201	Bootloader Test Random number generator fails
B0081301	Bootloader Test Bootloader update failed
B00Axxxx	CryptoServer module HCE
B00A0001	CryptoServer module HCE memory allocation failed
B00A0002	CryptoServer module HCE PCI master access error (DSP)

Code	Description
B00A0003	CryptoServer module HCE key size not supported
B00A0004	CryptoServer module HCE exponent greater modulus
B00A0005	CryptoServer module HCE hardware engine timeout
B00A0006	CryptoServer module HCE result too big for buffer
B00A0007	CryptoServer module HCE illegal sizes of prime
B00A0008	CryptoServer module HCE data size too big (greater than modulus)
B00A0009	CryptoServer module HCE Self-test failed
B00A000A	CryptoServer module HCE Module LNA not found
B00A000B	CryptoServer module HCE PCI DMA master access error
B00A80xx	CryptoServer module HCE hardware engine error
B00Bxxxx	CryptoServer Maintenance Module
B00B0001	CryptoServer Maintenance Module invalid parameter
B00B0002	CryptoServer Maintenance Module invalid CRC
B00B0003	CryptoServer Maintenance Module invalid size
B00B0004	CryptoServer Maintenance Module memory allocation failed
B00B001x	CryptoServer Maintenance Module I2C section
B00B0010	CryptoServer Maintenance Module got no ack from slave
B00B002x	CryptoServer Maintenance Module XSVF section
B00B0021	CryptoServer Maintenance Module unknown error
B00B0022	CryptoServer Maintenance Module TDO mismatch
B00B0023	CryptoServer Maintenance Module TDO mismatch after max retries
B00B0024	CryptoServer Maintenance Module illegal command
B00B0025	CryptoServer Maintenance Module illegal state
B00B0026	CryptoServer Maintenance Module buffer overflow
B00B003x	CryptoServer Maintenance Module Flash section
B00B0030	CryptoServer Maintenance Module timeout during flash operation

Code	Description
B00B0031	CryptoServer Maintenance Module error reading flash id
B00B0032	CryptoServer Maintenance Module erase failed
B00B0033	CryptoServer Maintenance Module error reading flash page
B00B0034	CryptoServer Maintenance Module error writing flash page
B00B0035	CryptoServer Maintenance Module bad page data
B00B0036	CryptoServer Maintenance Module invalid CRC
B00B00Ax	CryptoServer Maintenance Module SL section
B00B00A0	CryptoServer Maintenance Module invalid device name
B00B00A1	CryptoServer Maintenance Module invalid handle value
B00B00A2	CryptoServer Maintenance Module device is not open
B00B00A3	CryptoServer Maintenance Module device is already in use
B00B00A4	CryptoServer Maintenance Module invalid parameter
B00B00A5	CryptoServer Maintenance Module invalid parameter value
B00B00A6	CryptoServer Maintenance Module timeout
B00B00A7	CryptoServer Maintenance Module invalid crc
B00B00A8	CryptoServer Maintenance Module overrun error
B00B00A9	CryptoServer Maintenance Module parity error
B00B00AA	CryptoServer Maintenance Module framing error
B00B00AB	CryptoServer Maintenance Module data compare failed
B00B00Bx	CryptoServer Maintenance Module MSP BSL section
B00B00B1	CryptoServer Maintenance Module get version failed
B00B00B2	CryptoServer Maintenance Module sync failed
B00B00B3	CryptoServer Maintenance Module erase failed
B00B00B4	CryptoServer Maintenance Module login failed
B00B00B5	CryptoServer Maintenance Module write failed
B00B02xx	CryptoServer Maintenance Module MSP section

Code	Description
B00B0299	CryptoServer Maintenance Module MSP section timeout occurred
B00B02A5	CryptoServer Maintenance Module MSP section invalid command
B00B02BD	CryptoServer Maintenance Module MSP section invalid address
B00B02C3	CryptoServer Maintenance Module MSP section invalid data
B00B02DB	CryptoServer Maintenance Module MSP section invalid crc
B00B1xxx	CryptoServer Maintenance Module MSP section USB section
B00B1001	CryptoServer Maintenance Module MSP section invalid parameter
B00B1002	CryptoServer Maintenance Module MSP section insufficient buffer size
B00B1003	CryptoServer Maintenance Module MSP section memory allocation error
B00B1004	CryptoServer Maintenance Module MSP section no device found
B00B1005	CryptoServer Maintenance Module MSP section timeout occurred
B00B1006	CryptoServer Maintenance Module MSP section NACK received
B00B1007	CryptoServer Maintenance Module MSP section port status has changed
B00B1008	CryptoServer Maintenance Module MSP section device is not in host mode
B00B11xx	CryptoServer Maintenance Module Transaction error
B050xxxx	CryptoServer module PK
B0500001	CryptoServer module PK invalid parameter
B0500002	CryptoServer module PK memory allocation failed
B0500003	CryptoServer module PK unknown distinguished name type

Code	Description
B0500004	CryptoServer module PK invalid distinguished name (value or length)
B0500005	CryptoServer module PK invalid time format
B0500006	CryptoServer module PK unknown / unsupported key type
B0500007	CryptoServer module PK unknown / unsupported signature algorithm
B0500008	CryptoServer module PK unknown / unsupported hash algorithm
B0500009	CryptoServer module PK invalid / unsupported version
B050000A	CryptoServer module PK unknown / unsupported PKCS7 content type
B050000B	CryptoServer module PK no PKCS7 version found
B050000C	CryptoServer module PK unknown PKCS7 element type
B050000D	CryptoServer module PK element type SIGNATURE not found
B050000E	CryptoServer module PK element type ENVELOPED not found
B050000F	CryptoServer module PK element type CERT not found
B0500010	CryptoServer module PK element type AUTH_ATT not found
B0500011	CryptoServer module PK element type UNAUTH_ATT not found
B0500012	CryptoServer module PK element type SIG_TIME not found
B0500013	CryptoServer module PK element type DATA not found
B0500014	CryptoServer module PK no signer certificate given
B0500015	CryptoServer module PK no data or hash given to perform sign / verify operation
B0500016	CryptoServer module PK invalid PKCS7 content type
B0500017	CryptoServer module PK no digest algorithm in PKCS7 data found
B0500018	CryptoServer module PK no signer infos found
B0500019	CryptoServer module PK no issuer / serial number found
B050001A	CryptoServer module PK number of PK_P7_ELEM too small
B050001B	CryptoServer module PK invalid signer reference
B050001C	CryptoServer module PK content type is not SignedData
B050001D	CryptoServer module PK content type is not Enveloped

Code	Description
B050001E	CryptoServer module PK digestEncryptionAlgorithm doesn't match signer certificate key type
B050001F	CryptoServer module PK signature verification failed
B0500020	CryptoServer module PK no recipient certificate given
B0500021	CryptoServer module PK unknown / unsupported encryption key type
B0500022	CryptoServer module PK multiple recipients not supported
B0500023	CryptoServer module PK given certificate doesn't match certificate in PKCS7 structure
B0500024	CryptoServer module PK given key doesn't match key encryption algorithm
B0500025	CryptoServer module PK no key encryption algorithm identifier found
B0500026	CryptoServer module PK no content type found
B0500027	CryptoServer module PK no content encryption algorithm identifier found
B0500028	CryptoServer module PK invalid attribute structure
B0500029	CryptoServer module PK given buffer / struct doesn't contain enough space for this operation
B0500030	CryptoServer module PK Firmware module AES not loaded
B0500031	CryptoServer module PK unknown attribute type
B0500032	CryptoServer module PK CRL issuer doesn't match certificate's subject / issuer
B0500033	CryptoServer module PK requested attribute not available (optional)
B0500034	CryptoServer module PK bad CRL format
B0500035	CryptoServer module PK CRL is not yet valid
B0500036	CryptoServer module PK partial CRL verification not initialized
B0500040	CryptoServer module PK unsupported time format
B0500041	CryptoServer module PK given time format contains century ; 2000
B0500042	CryptoServer module PK indefinite length not supportet
B0500043	CryptoServer module PK Firmware module ECDSA not loaded
B0500050	CryptoServer module PK invalid signer / invalid signer information
B0500051	CryptoServer module PK invalid signer structure (ASN.1 error)
B060xxxx	CryptoServer module TSMP

Code	Description
B0600001	CryptoServer module TSMP TSMP: Timestamp could not be verified
B0600002	CryptoServer module TSMP TSMP: successful verify with unproofed cert
B0600003	CryptoServer module TSMP TSMP: no administrators registered
B0600004	CryptoServer module TSMP TSMP: requested key doesnt exist in database
B0600005	CryptoServer module TSMP TSMP: mapped to all rsa-errors by LAN-Box
B0600006	CryptoServer module TSMP TSMP: memory allocation failed
B0600007	CryptoServer module TSMP TSMP: command block has bad format
B0600008	CryptoServer module TSMP TSMP: plain-data for hash too long
B0600009	CryptoServer module TSMP TSMP: certificate doesnt exist in database
B060000A	CryptoServer module TSMP TSMP: pinpad is not connected to cs2 interface
B060000B	CryptoServer module TSMP TSMP: card unknown
B060000C	CryptoServer module TSMP TSMP: format of certificate not supported
B060000D	CryptoServer module TSMP TSMP: certificate exists already in database
B060000E	CryptoServer module TSMP TSMP: mapped to E_KTS_NOMEM by LAN-Box
B060000F	CryptoServer module TSMP TSMP: more than one sign key in database
B0600010	CryptoServer module TSMP TSMP: no 4-eyes login or card already regist.
B0600011	CryptoServer module TSMP TSMP: card unknown
B0600012	CryptoServer module TSMP TSMP: login before admin not successful
B0600013	CryptoServer module TSMP TSMP: scan of asn1-structure not successful
B0600014	CryptoServer module TSMP TSMP: scan of asn1-structure not successful
B0600015	CryptoServer module TSMP TSMP: read or write on nv-ram unsucceeded
B0600016	CryptoServer module TSMP TSMP: timestamp id missing in eid-ζadm2
B0600017	CryptoServer module TSMP TSMP: administrators already registered
B061xxxx	CryptoServer module CTS
B0610001	CryptoServer module CTS Wrong command length
B0610002	CryptoServer module CTS memory allocation error

Code	Description
B0610003	CryptoServer module CTS Invalid key index
B0610004	CryptoServer module CTS Signature Algorithm unsupported (hash or signing)
B0610005	CryptoServer module CTS key index already exists in database
B0610006	CryptoServer module CTS selected key is not enabled for signing
B0610007	CryptoServer module CTS No key for the imported certificate available
B0610008	CryptoServer module CTS certification validity expired
B0610009	CryptoServer module CTS certificate is not yet valid
B061000A	CryptoServer module CTS permission denied
B061000B	CryptoServer module CTS No certificate to the according key imported
B061000C	CryptoServer module CTS mbk from MBK module not found
B061000D	CryptoServer module CTS MBK module not loaded
B061000E	CryptoServer module CTS RSA key token length invalid
B061000F	CryptoServer module CTS Calculated hash doesn't match given one
B0610010	CryptoServer module CTS Unknown DN component
B0610011	CryptoServer module CTS Given ASN1_ITEM of a DN is no struct
B0610012	CryptoServer module CTS Issuer and Subject not the same
B0610013	CryptoServer module CTS (ASN1) Tag unknown
B0610014	CryptoServer module CTS Given issuer / subject not found
B0610015	CryptoServer module CTS Certificate already exist
B0610016	CryptoServer module CTS TimeStamp ASN.1 structure not correct
B0610017	CryptoServer module CTS Given certificate not equal to the one in the database
B0610018	CryptoServer module CTS Given delay to set the new time is too big
B0610019	CryptoServer module CTS Too many time adjustments on this day
B061001A	CryptoServer module CTS TSA name contained in timestamp doesn't match signer name
B062xxxx	CryptoServer module OSSL
B0620001	CryptoServer module OSSL memory allocation error

Code	Description
B0620002	CryptoServer module OSSL Calculated hash does't match given one
B0620003	CryptoServer module OSSL Unkown hash mode given
B0620004	CryptoServer module OSSL No valid tag in RSA data found
B0620005	CryptoServer module OSSL RSA key token length invalid
B0620006	CryptoServer module OSSL invalid occurence of RSA components
B0620007	CryptoServer module OSSL Permission denied
B064xxxx	CryptoServer module PKCS11
B0640001	CryptoServer module PKCS11 corrupted object data stucture
B0640002	CryptoServer module PKCS11 bad arguments
B0640003	CryptoServer module PKCS11 object has to many attributes
B0640004	CryptoServer module PKCS11 too many concurrent applications
B0640005	CryptoServer module PKCS11 bad application reference
B0640006	CryptoServer module PKCS11 object handle overflow
B0640007	CryptoServer module PKCS11 bad public exponent
B0640008	CryptoServer module PKCS11 bad modulus
B0640009	CryptoServer module PKCS11 AES module not found
B064000A	CryptoServer module PKCS11 ECA/ECDSA modules not found
B064000B	CryptoServer module PKCS11 access denied
B064000C	CryptoServer module PKCS11 corrupted slot data stucture
B064000D	CryptoServer module PKCS11 MBK module not found
B064000E	CryptoServer module PKCS11 no MBK key loaded
B064000F	CryptoServer module PKCS11 invalid backup
B0640010	CryptoServer module PKCS11 PKCS#11 service terminated
B0640011	CryptoServer module PKCS11 slot not empty
B0640012	CryptoServer module PKCS11 DSA module not found
B0640013	CryptoServer module PKCS11 application timeout

Code	Description
B0648xxx	CryptoServer module PKCS11 PKCS#11 standard error
B065xxxx	CryptoServer module CSI
B0650001	CryptoServer module CSI Bad mode set
B0650002	CryptoServer module CSI Hash algorithm not specified
B0650003	CryptoServer module CSI Unexpected null pointer
B0650004	CryptoServer module CSI Permission denied
B0650005	CryptoServer module CSI Invalid key size
B0650006	CryptoServer module CSI FIPS mode set: Key len invalid
B0650007	CryptoServer module CSI FIPS mode set: Invalid algorithm specified
B0650008	CryptoServer module CSI Key is not exportable
B0650009	CryptoServer module CSI Key is not a key encryption key
B065000A	CryptoServer module CSI Invalid key attribute detected
B065000B	CryptoServer module CSI Invalid combination of key types
B065000C	CryptoServer module CSI Invalid key type detected
B065000D	CryptoServer module CSI Key is not valid for this operation
B065000E	CryptoServer module CSI Unknown padding algo detected
B065000F	CryptoServer module CSI Unsupported hash algorithm specified
B0650010	CryptoServer module CSI Unsupported random algorithm specified
B0650011	CryptoServer module CSI FIPS mode set: Command not allowed
B0650012	CryptoServer module CSI Key already exist and overwrite mode off
B0650013	CryptoServer module CSI FIPS mode set: Signature verify failed,
B0650014	CryptoServer module CSI FIPS mode set: RSA key generation failed,
B0650015	CryptoServer module CSI Key not useable for this function
B0650016	CryptoServer module CSI A MBK module is not loaded
B0650017	CryptoServer module CSI A PP module is not loaded
B0650018	CryptoServer module CSI FIPS mode set: Import of key type not possible

Code	Description
B0650019	CryptoServer module CSI Invalid curve identifier for elliptic curve
B065001A	CryptoServer module CSI No private ECDSA key part
B065001B	CryptoServer module CSI Invalid public ECDSA key format
B065001C	CryptoServer module CSI A AES module is not loaded
B065001D	CryptoServer module CSI A ECDSA module is not loaded
B065001E	CryptoServer module CSI Tag for key object not valid
B065001F	CryptoServer module CSI Hash value not valid
B0650020	CryptoServer module CSI Verify failed
B068xxxx	CryptoServer module CXI
B0680000	CryptoServer module CXI memory allocation error
B0680001	CryptoServer module CXI permission denied
B0680002	CryptoServer module CXI buffer size too small
B0680003	CryptoServer module CXI function not supported
B0680004	CryptoServer module CXI MBK firmware module not loaded
B0680005	CryptoServer module CXI invalid parameter tag
B0680006	CryptoServer module CXI invalid parameter length
B0680007	CryptoServer module CXI invalid parameter value
B0680008	CryptoServer module CXI invalid flags
B0680009	CryptoServer module CXI SFC is reserved for further use
B068000A	CryptoServer module CXI an internal error occurred
B068000B	CryptoServer module CXI invalid MBK key type
B0680010	CryptoServer module CXI property has to be absent
B0680011	CryptoServer module CXI unknown property
B0680012	CryptoServer module CXI property not found
B0680013	CryptoServer module CXI property already exists
B0680014	CryptoServer module CXI property is read-only

Code	Description
B0680015	CryptoServer module CXI property is protected
B0680016	CryptoServer module CXI invalid property tag
B0680017	CryptoServer module CXI invalid property value
B0680018	CryptoServer module CXI invalid property length
B0680020	CryptoServer module CXI invalid key algo
B0680021	CryptoServer module CXI invalid key size
B0680022	CryptoServer module CXI invalid key tag
B0680023	CryptoServer module CXI invalid key component
B0680024	CryptoServer module CXI invalid format of key blob
B0680025	CryptoServer module CXI invalid key type
B0680026	CryptoServer module CXI invalid mac of key blob
B0680027	CryptoServer module CXI invalid key name
B0680028	CryptoServer module CXI invalid key token
B0680029	CryptoServer module CXI missing key component
B068002B	CryptoServer module CXI key export is denied
B068002C	CryptoServer module CXI invalid export key
B068002D	CryptoServer module CXI key is sensitive
B068002E	CryptoServer module CXI invalid block length
B068002F	CryptoServer module CXI illegal key usage
B0680030	CryptoServer module CXI invalid padding
B0680031	CryptoServer module CXI invalid mechanism
B0680032	CryptoServer module CXI invalid IV length
B0680033	CryptoServer module CXI signature verification failed
B0680034	CryptoServer module CXI invalid data length
B0680040	CryptoServer module CXI item not found
B0680041	CryptoServer module CXI invalid item tag

Code	Description
B0680042	CryptoServer module CXI invalid item length
B0680043	CryptoServer module CXI invalid item value
B0680044	CryptoServer module CXI invalid number of items
B0680050	CryptoServer module CXI invalid file size
B07Axxxx	CryptoServer module EFTPOS
B07A0001	CryptoServer module EFTPOS wrong length of command data
B07A0002	CryptoServer module EFTPOS error allocating memory
B07A0003	CryptoServer module EFTPOS no PIN-pad found
B07A0004	CryptoServer module EFTPOS key slot is already in use
B07A0005	CryptoServer module EFTPOS referenced key not in database
B07A0006	CryptoServer module EFTPOS referenced transportkey not in database
B07A0007	CryptoServer module EFTPOS length of keyname not 8 Byte
B07A0008	CryptoServer module EFTPOS keylen must be either 8 or 16 Byte
B07A0009	CryptoServer module EFTPOS key-object-tag not 0xd1 or 0xd2
B07A000A	CryptoServer module EFTPOS key-object has wrong length
B07A000B	CryptoServer module EFTPOS mac verification inside keyobject failed
B07A000C	CryptoServer module EFTPOS check-value wrong
B07A000D	CryptoServer module EFTPOS bad parameter for verify of check-value
B07A000E	CryptoServer module EFTPOS mode for check-value not supported
B07A000F	CryptoServer module EFTPOS data for key-derivation incorrect
B07A0010	CryptoServer module EFTPOS derive modus not supported
B07A0011	CryptoServer module EFTPOS PIN-format is not supported
B07A0012	CryptoServer module EFTPOS MAC verification failed
B07A0013	CryptoServer module EFTPOS No DES MBK loaded
B07A0014	CryptoServer module EFTPOS invalid key length
B07A0015	CryptoServer module EFTPOS wrong command data format

Code	Description
B07A0016	CryptoServer module EFTPOS keytype must not be used in the given context
B07A0017	CryptoServer module EFTPOS wrong length of random number
B07A0018	CryptoServer module EFTPOS no permission to execute this function
B07A0019	CryptoServer module EFTPOS illegal parameter
B07A001A	CryptoServer module EFTPOS no PIN found that meets conditions
B07A001B	CryptoServer module EFTPOS bad key type
B07A001C	CryptoServer module EFTPOS derive mode not allowed in this context
B07A001D	CryptoServer module EFTPOS verification failed
B07A001E	CryptoServer module EFTPOS DES-key is weak
B07A001F	CryptoServer module EFTPOS rnd.offset outside of the message
B07A0020	CryptoServer module EFTPOS crypt mode not supported
B07Bxxxx	CryptoServer module EFTPOS_VM
B07B0001	CryptoServer module EFTPOS_VM wrong length of command data
B07B0002	CryptoServer module EFTPOS_VM error allocating memory
B07B0003	CryptoServer module EFTPOS_VM no PIN-pad found
B07B0004	CryptoServer module EFTPOS_VM key slot is already in use
B07B0005	CryptoServer module EFTPOS_VM referenced key not in database
B07B0006	CryptoServer module EFTPOS_VM referenced transportkey not in database
B07B0007	CryptoServer module EFTPOS_VM length of keyname not 8 Byte
B07B0008	CryptoServer module EFTPOS_VM keylen must be either 8 or 16 Byte
B07B0009	CryptoServer module EFTPOS_VM key-object-tag not 0xd1 or 0xd2
B07B000A	CryptoServer module EFTPOS_VM key-object has wrong length
B07B000B	CryptoServer module EFTPOS_VM mac verification inside keyobject failed
B07B000C	CryptoServer module EFTPOS_VM check-value wrong
B07B000D	CryptoServer module EFTPOS_VM bad parameter for verify of check-value
B07B000E	CryptoServer module EFTPOS_VM mode for check-value not supported

Code	Description
B07B000F	CryptoServer module EFTPOS_VM data for key-derivation incorrect
B07B0010	CryptoServer module EFTPOS_VM derive modus not supported
B07B0011	CryptoServer module EFTPOS_VM PIN-format is not supported
B07B0012	CryptoServer module EFTPOS_VM MAC verification failed
B07B0013	CryptoServer module EFTPOS_VM No MBK loaded
B07B0014	CryptoServer module EFTPOS_VM invalid key length
B07B0015	CryptoServer module EFTPOS_VM wrong command data format
B07B0016	CryptoServer module EFTPOS_VM keytype must not be used in the given context
B07B0017	CryptoServer module EFTPOS_VM wrong length of random number
B07B0018	CryptoServer module EFTPOS_VM no permission to execute this function
B07B0019	CryptoServer module EFTPOS_VM illegal parameter
B07B001A	CryptoServer module EFTPOS_VM no PIN found that meets conditions
B07B001B	CryptoServer module EFTPOS_VM bad key type
B07B001C	CryptoServer module EFTPOS_VM derive mode not allowed in this context
B07B001D	CryptoServer module EFTPOS_VM verification failed
B07B001E	CryptoServer module EFTPOS_VM DES-key is weak
B07B001F	CryptoServer module EFTPOS_VM rnd_offset outside of the message
B07B0020	CryptoServer module EFTPOS_VM crypt mode not supported
B081xxxx	CryptoServer module VDES
B0810001	CryptoServer module VDES length of data is not a multiple of 8 bytes
B0810002	CryptoServer module VDES length of key is not 8, 16, or 24
B0810003	CryptoServer module VDES cannot allocate memory
B0810004	CryptoServer module VDES key is weak
B0810005	CryptoServer module VDES key is semi-weak
B0810006	CryptoServer module VDES two of the 8byte key parts are identical
B0810007	CryptoServer module VDES mode is unknown

Code	Description
B0810008	CryptoServer module VDES could not get local Master Key
B0810009	CryptoServer module VDES unknown padding mechanism
B081000A	CryptoServer module VDES invalid padding
B081000B	CryptoServer module VDES invalid parameter
B081000C	CryptoServer module VDES key is possibly weak
B082xxxx	CryptoServer module PP, PinPad driver
B0820001	CryptoServer module PP, PinPad driver operation aborted by user
B0820002	CryptoServer module PP, PinPad driver command block too long
B0820003	CryptoServer module PP, PinPad driver timeout while writing to pinpad
B0820004	CryptoServer module PP, PinPad driver answer buffer too small
B0820005	CryptoServer module PP, PinPad driver timeout while reading from pinpad
B0820006	CryptoServer module PP, PinPad driver IO error
B0820007	CryptoServer module PP, PinPad driver connection not open
B0820008	CryptoServer module PP, PinPad driver invalid parameter
B0820009	CryptoServer module PP, PinPad driver bad RAPDU from smartcard
B082000A	CryptoServer module PP, PinPad driver no smartcard in reader
B082000B	CryptoServer module PP, PinPad driver bad PIN-Pad type specified
B082000C	CryptoServer module PP, PinPad driver bad length of command block
B082000D	CryptoServer module PP, PinPad driver protocol error
B082000E	CryptoServer module PP, PinPad driver timeout while waiting for key input
B082000F	CryptoServer module PP, PinPad driver timeout while waiting for card insertion
B0820010	CryptoServer module PP, PinPad driver bad repetition of PIN entry
B0820011	CryptoServer module PP, PinPad driver function is not supported
B0820012	CryptoServer module PP, PinPad driver invalid parameter
B0820013	CryptoServer module PP, PinPad driver access denied
B0820014	CryptoServer module PP, PinPad driver bad input

Code	Description
B0820015	CryptoServer module PP, PinPad driver no response from smartcard
B0820016	CryptoServer module PP, PinPad driver no supported smartcard reader connected
B08201xx	CryptoServer module PP, PinPad driver PIN-Pad Error
B08202xx	CryptoServer module PP, PinPad driver CCID Error
B083xxxx	CryptoServer module CMDS, Command scheduler
B0830001	CryptoServer module CMDS, Command scheduler access denied
B0830002	CryptoServer module CMDS, Command scheduler can't alloc memory
B0830003	CryptoServer module CMDS, Command scheduler invalid parameter
B0830004	CryptoServer module CMDS, Command scheduler module id already in use
B0830005	CryptoServer module CMDS, Command scheduler bad function code (module ID)
B0830006	CryptoServer module CMDS, Command scheduler function doesn't exist
B0830007	CryptoServer module CMDS, Command scheduler invalid user name
B0830008	CryptoServer module CMDS, Command scheduler illegal length of command block
B0830009	CryptoServer module CMDS, Command scheduler can't create task
B083000A	CryptoServer module CMDS, Command scheduler bad tag of command block
B083000B	CryptoServer module CMDS, Command scheduler bad length within format string (scanf)
B083000C	CryptoServer module CMDS, Command scheduler bad format of command block
B083000D	CryptoServer module CMDS, Command scheduler bad parameter structure (scanf)
B083000E	CryptoServer module CMDS, Command scheduler bad format string (scanf)
B083000F	CryptoServer module CMDS, Command scheduler user already exists
B0830010	CryptoServer module CMDS, Command scheduler invalid mechanism
B0830011	CryptoServer module CMDS, Command scheduler no DB module present
B0830012	CryptoServer module CMDS, Command scheduler invalid AUTH layer command
B0830013	CryptoServer module CMDS, Command scheduler authentication failed
B0830014	CryptoServer module CMDS, Command scheduler no VRSA module present
B0830015	CryptoServer module CMDS, Command scheduler bad permission mask

Code	Description
B0830016	CryptoServer module CMDS, Command scheduler unknown user
B0830017	CryptoServer module CMDS, Command scheduler bad user attributes
B0830018	CryptoServer module CMDS, Command scheduler can't load Init.KeyRsaPub
B0830019	CryptoServer module CMDS, Command scheduler can't change key size
B083001B	CryptoServer module CMDS, Command scheduler logoff failed
B083001C	CryptoServer module CMDS, Command scheduler logged in user can't be deleted
B083001D	CryptoServer module CMDS, Command scheduler bad user token (key or password)
B083001E	CryptoServer module CMDS, Command scheduler no VDES module present
B083001F	CryptoServer module CMDS, Command scheduler no UTIL module present
B0830020	CryptoServer module CMDS, Command scheduler no HASH module present
B0830021	CryptoServer module CMDS, Command scheduler secure messaging failed
B0830022	CryptoServer module CMDS, Command scheduler secure messaging session expired
B0830023	CryptoServer module CMDS, Command scheduler invalid secure messaging ID
B0830024	CryptoServer module CMDS, Command scheduler internal buffer overflow
B0830025	CryptoServer module CMDS, Command scheduler FIPS140 initialization failed
B0830026	CryptoServer module CMDS, Command scheduler mode does not match user
B0830027	CryptoServer module CMDS, Command scheduler invalid mode
B0830028	CryptoServer module CMDS, Command scheduler illegal answer buffer size
B0830029	CryptoServer module CMDS, Command scheduler no MBK module present
B083002A	CryptoServer module CMDS, Command scheduler invalid backup data
B083002B	CryptoServer module CMDS, Command scheduler bad entry in user DB (internal error)
B083002C	CryptoServer module CMDS, Command scheduler buffer size too small
B083002D	CryptoServer module CMDS, Command scheduler no MBK key found
B083002E	CryptoServer module CMDS, Command scheduler MBK type does not match
B083002F	CryptoServer module CMDS, Command scheduler no AES module present
B0830030	CryptoServer module CMDS, Command scheduler no HMAC algorithm available

Code	Description
B0830031	CryptoServer module CMDS, Command scheduler no ECC algorithm available
B0830032	CryptoServer module CMDS, Command scheduler ALARM state
B0830033	CryptoServer module CMDS, Command scheduler bad file 'init.key'
B0830034	CryptoServer module CMDS, Command scheduler no Administrator left
B084xxxx	CryptoServer module VRSA
B0840001	CryptoServer module VRSA cannot allocate memory
B0840002	CryptoServer module VRSA buffer for result is to small
B0840003	CryptoServer module VRSA bad raw data value
B0840004	CryptoServer module VRSA modulus is not $p * q$
B0840006	CryptoServer module VRSA p is greater or equal then q
B0840009	CryptoServer module VRSA u is not $(1/q) \bmod p$
B084000A	CryptoServer module VRSA dp is not $d \bmod (p-1)$
B084000B	CryptoServer module VRSA dq is not $d \bmod (q-1)$
B084000C	CryptoServer module VRSA byte string is not a keytoken
B084000D	CryptoServer module VRSA component is not a member of this key token
B084000E	CryptoServer module VRSA component is already a member of this key token
B084000F	CryptoServer module VRSA value for flags is invalid
B0840010	CryptoServer module VRSA Invalid hash algorithm
B0840011	CryptoServer module VRSA Signature verification failed
B0840012	CryptoServer module VRSA Key length too small
B0840014	CryptoServer module VRSA modulus to small
B0840015	CryptoServer module VRSA bad key components P and Q
B0840016	CryptoServer module VRSA data size too big (greater than modulus)
B0840017	CryptoServer module VRSA missing component in key token
B0840018	CryptoServer module VRSA invalid parameter
B0840019	CryptoServer module VRSA $\gcd(p-1,e) \neq 1$ or $\gcd(q-1,e) \neq 1$

Code	Description
B084001A	CryptoServer module VRSA d * e != 1 mod (p-1)(q-1)
B084001B	CryptoServer module VRSA function obsolete
B084001C	CryptoServer module VRSA key generation failed
B084001D	CryptoServer module VRSA invalid blinding value
B084001E	CryptoServer module VRSA blinding value generation failed
B084001F	CryptoServer module VRSA PKCS#1 decryption failed
B0840020	CryptoServer module VRSA invalid public exponent
B0840021	CryptoServer module VRSA bad length of key token
B0840022	CryptoServer module VRSA PKCS#1 encoding error
B0840100	CryptoServer module VRSA bad key token in command string
B0840101	CryptoServer module VRSA random number request does not match (FIPS test)
B085xxxx	CryptoServer module SC
B0850001	CryptoServer module SC bad length of application name
B0850002	CryptoServer module SC card error from "select" command
B0850003	CryptoServer module SC card error from "internal auth." command
B0850004	CryptoServer module SC wrong SM key
B0850005	CryptoServer module SC card error from "ver. passw." command
B0850006	CryptoServer module SC card error from "mse" command
B0850007	CryptoServer module SC card error from "read record" command
B0850008	CryptoServer module SC bad record length
B0850009	CryptoServer module SC record not found
B085000A	CryptoServer module SC file not found
B085000B	CryptoServer module SC access denied
B085000C	CryptoServer module SC bad parameter: SFI, REC#
B085000D	CryptoServer module SC bad data length
B085000E	CryptoServer module SC bad tag for SM

Code	Description
B085000F	CryptoServer module SC card error from "update record" command
B0850010	CryptoServer module SC card error from "chg. passw." command
B0850011	CryptoServer module SC password file not found
B0850012	CryptoServer module SC bad personalization data
B0850013	CryptoServer module SC card error while personalizing
B0850014	CryptoServer module SC card error from "get sessionkey" command
B0850015	CryptoServer module SC application not found
B0850016	CryptoServer module SC card error from "read binary" command
B0850017	CryptoServer module SC bad PIN length
B0850018	CryptoServer module SC memory allocation error
B0850019	CryptoServer module SC card error from "pso" command
B085001A	CryptoServer module SC bad certificate format
B085001B	CryptoServer module SC card error from "get data" command
B085001C	CryptoServer module SC unknown application type
B085001D	CryptoServer module SC This action is not implemented on the found card type
B085001E	CryptoServer module SC Invalid Pin
B085001F	CryptoServer module SC signing supported until 48 Byte (possible hashes md5, ripemd160, sha1, sha224)
B0850020	CryptoServer module SC wrong command for card application
B0850021	CryptoServer module SC Hash size bigger than 40% of the key size
B0850022	CryptoServer module SC Card not opened before or unknown card
B086xxxx	CryptoServer module UTIL
B0860001	CryptoServer module UTIL Error opening RTC Device
B0860002	CryptoServer module UTIL RTC: IOCTL Error
B0860003	CryptoServer module UTIL RTC: Read Error
B0860004	CryptoServer module UTIL RTC: Write Error
B0860005	CryptoServer module UTIL Error closing RTC Device

Code	Description
B0860006	CryptoServer module UTIL Wrong Time Format
B0860007	CryptoServer module UTIL Null Pointer given
B0860008	CryptoServer module UTIL File Open Error
B0860009	CryptoServer module UTIL File Read Error
B086000A	CryptoServer module UTIL File Close Error
B086000B	CryptoServer module UTIL Null Pointer given
B086000C	CryptoServer module UTIL Random Number Generator failed
B086000D	CryptoServer module UTIL Error allocating Memory
B086000E	CryptoServer module UTIL invalid argument
B086000F	CryptoServer module UTIL function not supported
B0860010	CryptoServer module UTIL Known answer test failed
B0860011	CryptoServer module UTIL Random Number Generator is not initialized
B0860012	CryptoServer module UTIL Bad Parameter
B0860013	CryptoServer module UTIL Given security strength not supported
B0860014	CryptoServer module UTIL Max number of requested randombits per call exceeded
B0860015	CryptoServer module UTIL prediction resistance not supported for current handle
B0860020	CryptoServer module UTIL RTC has lost power
B0860021	CryptoServer module UTIL RTC is not initialized (RTC has to be set)
B087xxxx	CryptoServer module ADM
B0870001	CryptoServer module ADM file open error
B0870002	CryptoServer module ADM file read error
B0870003	CryptoServer module ADM file write error
B0870004	CryptoServer module ADM file close error
B0870005	CryptoServer module ADM file (module) does not exist
B0870006	CryptoServer module ADM wrong filename syntax
B0870007	CryptoServer module ADM no module info found

Code	Description
B0870008	CryptoServer module ADM file not found
B087000A	CryptoServer module ADM no modules version found
B087000B	CryptoServer module ADM wrong command data length
B087000C	CryptoServer module ADM unable to open i2c device
B087000D	CryptoServer module ADM unable to read i2c device
B087000F	CryptoServer module ADM permission denied
B0870011	CryptoServer module ADM file size exceeds limit
B0870012	CryptoServer module ADM bad signature
B0870013	CryptoServer module ADM no UTIL module present
B0870014	CryptoServer module ADM memory allocation error
B0870015	CryptoServer module ADM function not supported
B0870016	CryptoServer module ADM invalid crc
B0870017	CryptoServer module ADM invalid size
B0870018	CryptoServer module ADM bad MMC format
B0870019	CryptoServer module ADM no HASH module present
B087001A	CryptoServer module ADM no VRSA module present
B087001B	CryptoServer module ADM no DB module present
B087001C	CryptoServer module ADM no AES module present
B087001D	CryptoServer module ADM module decryption failed
B087001E	CryptoServer module ADM invalid key type
B087001F	CryptoServer module ADM invalid parameter
B0870020	CryptoServer module ADM invalid file type
B0870021	CryptoServer module ADM invalid item length
B0870022	CryptoServer module ADM item not found
B087003x	CryptoServer module ADM module section
B0870030	CryptoServer module ADM invalid MTC header

Code	Description
B0870031	CryptoServer module ADM invalid MMC header
B0870032	CryptoServer module ADM invalid MSC header
B0870033	CryptoServer module ADM invalid MSC header
B0870034	CryptoServer module ADM invalid SLF header
B0870035	CryptoServer module ADM no module info found
B0870036	CryptoServer module ADM MTC doesn't contain signature
B0870037	CryptoServer module ADM invalid MMC hash
B0870038	CryptoServer module ADM can't decrypt firmware module
B087004x	CryptoServer module ADM key section
B0870040	CryptoServer module ADM key is corrupted
B088xxxx	CryptoServer Database Module
B0880001	CryptoServer Database Module memory allocation failed
B0880002	CryptoServer Database Module bad master encryption key
B0880003	CryptoServer Database Module no space in database
B0880004	CryptoServer Database Module record not found
B0880005	CryptoServer Database Module record already exists
B0880006	CryptoServer Database Module no space in cache
B0880007	CryptoServer Database Module corrupted database file
B0880008	CryptoServer Database Module record CRC error
B0880009	CryptoServer Database Module bad database name
B088000A	CryptoServer Database Module bad database handle
B088000B	CryptoServer Database Module bad file type of database file
B088000D	CryptoServer Database Module bad info structure
B088000E	CryptoServer Database Module database in use
B088000F	CryptoServer Database Module bad data length
B0880011	CryptoServer Database Module database handle confused

Code	Description
B0880012	CryptoServer Database Module internal inconsistency
B0881000	CryptoServer Database Module bad length of command block
B0881001	CryptoServer Database Module io error on database file
B0881002	CryptoServer Database Module test database not open
B0881003	CryptoServer Database Module db handle corrupted
B0881004	CryptoServer Database Module db node corrupted
B0881005	CryptoServer Database Module db cache corrupted
B089xxxx	CryptoServer module HASH
B0890001	CryptoServer module HASH Memory Error
B0890002	CryptoServer module HASH Illegal Parameter
B0890003	CryptoServer module HASH Illegal Length
B0890004	CryptoServer module HASH Illegal Mode
B0890005	CryptoServer module HASH Function not supported
B08Bxxxx	CryptoServer module AES
B08B0001	CryptoServer module AES length of data is not a multiple of 16 bytes
B08B0002	CryptoServer module AES length of key is not 16, 24, or 32
B08B0003	CryptoServer module AES cannot allocate memory
B08B0004	CryptoServer module AES mode is unknown
B08B0005	CryptoServer module AES For cfb1 decryption the key must always prepared for encryption
B08B0006	CryptoServer module AES unknown padding mechanism
B08B0007	CryptoServer module AES invalid padding
B08B0008	CryptoServer module AES invalid parameter
B08B0009	CryptoServer module AES could not get local Master Key
B08B000A	CryptoServer module AES mode of prepared key does not match mode parameter
B08Cxxxx	CryptoServer module IDEA
B08C0001	CryptoServer module IDEA length of data is not a multiple of 8 bytes
B08C0002	CryptoServer module IDEA length of key is not 16 bytes

Code	Description
B08C0003	CryptoServer module IDEA cannot allocate memory
B08C0004	CryptoServer module IDEA mode is unknown
B08C0005	CryptoServer module IDEA For cfb1 decryption the key must always prepared for encryption
B08Dxxxx	CryptoServer module DSA
B08D0001	CryptoServer module DSA cannot allocate memory
B08D0002	CryptoServer module DSA prime P is too small
B08D0003	CryptoServer module DSA prime Q is too small
B08D0004	CryptoServer module DSA domain parameter generation failed
B08D0005	CryptoServer module DSA invalid generator value G
B08D0006	CryptoServer module DSA bad primes P and Q
B08D0007	CryptoServer module DSA byte string is not a keytoken
B08D0008	CryptoServer module DSA component is not a member of this token
B08D0009	CryptoServer module DSA component is already a member of this token
B08D000A	CryptoServer module DSA value for flags is invalid
B08D000B	CryptoServer module DSA hash value too long
B08D000C	CryptoServer module DSA private and public key do not correspond
B08D000D	CryptoServer module DSA invalid parameter
B08D000E	CryptoServer module DSA bad public key
B08D000F	CryptoServer module DSA bad private key
B08D0010	CryptoServer module DSA bad length of key token
B08D0011	CryptoServer module DSA signature verification failed
B08D0012	CryptoServer module DSA bad format of signature
B08D0013	CryptoServer module DSA no ASN.1 module loaded
B08D0014	CryptoServer module DSA buffer for result is to small
B08D0100	CryptoServer module DSA bad key token in command string
B08Exxxx	CryptoServer module LNA
B08E0001	CryptoServer module LNA result overflow

Code	Description
B08E0002	CryptoServer module LNA result negativ
B08E0003	CryptoServer module LNA modulus too short
B08E0004	CryptoServer module LNA data greater than modulus
B08E0005	CryptoServer module LNA can't alloc memory
B08E0006	CryptoServer module LNA exponent is 0
B08E0007	CryptoServer module LNA division by zero
B08E0008	CryptoServer module LNA number too short
B08E0009	CryptoServer module LNA bad parameter
B08E000A	CryptoServer module LNA no prime found
B08E000B	CryptoServer module LNA modulus is even
B08E0100	CryptoServer module LNA result overflow
B08E0101	CryptoServer module LNA bad argument length
B08E0102	CryptoServer module LNA internal error while generating prime
B08Fxxxx	CryptoServer module ECA
B08F0001	CryptoServer module ECA can't alloc memory
B08F0002	CryptoServer module ECA not supported
B08F0003	CryptoServer module ECA bad parameter
B08F0004	CryptoServer module ECA curve not found
B08F0005	CryptoServer module ECA curve already registered
B08F0006	CryptoServer module ECA input number too big
B08F0007	CryptoServer module ECA infinite result
B08F0008	CryptoServer module ECA incompatible precalculated point
B08F0009	CryptoServer module ECA bad length of argument
B08F000A	CryptoServer module ECA bad tag of point
B08F000B	CryptoServer module ECA no square root found
B08F000C	CryptoServer module ECA non-residue could not be found

Code	Description
B08F000D	CryptoServer module ECA no ASN.1 module found
B08F000E	CryptoServer module ECA error decoding ASN.1 EC domain parameter
B08F000F	CryptoServer module ECA bad value of EC point
B08F0010	CryptoServer module ECA bad value of EC domain parameter
B08F0011	CryptoServer module ECA EC domain parameters differ
B08F0012	CryptoServer module ECA invalid domain parameter
B08F0013	CryptoServer module ECA invalid irreducible polynomial
B08F0101	CryptoServer module ECA bad argument length
B08F0102	CryptoServer module ECA internal error
B090xxxx	CryptoServer module EXMP
B0900001	CryptoServer module EXMP Wrong DES Mode
B0900002	CryptoServer module EXMP Wrong DES Key Length
B0900003	CryptoServer module EXMP HASH: Invalid Parameter
B0900004	CryptoServer module EXMP File Write Error
B0900005	CryptoServer module EXMP File Read Error
B0900006	CryptoServer module EXMP Permission denied
B0900007	CryptoServer module EXMP Wrong Command Length
B091xxxx	CryptoServer module ASN1
B0910001	CryptoServer module ASN1 Memory Error
B0910002	CryptoServer module ASN1 Parameter flag is incorrect
B0910003	CryptoServer module ASN1 ASN1_ITEM table overflow
B0910004	CryptoServer module ASN1 bad ZKA format
B0910005	CryptoServer module ASN1 ASN1 data overrun
B0910006	CryptoServer module ASN1 tag too big
B0910007	CryptoServer module ASN1 indefinite length not supportet
B0910008	CryptoServer module ASN1 lenght field too big
B0910009	CryptoServer module ASN1 internal stack overflow

Code	Description
B091000A	CryptoServer module ASN1 item not found
B091000B	CryptoServer module ASN1 ASN1 buffer overflow
B091000C	CryptoServer module ASN1 bad value of 'nitems' in ITEM table
B091000D	CryptoServer module ASN1 zero tag
B091000E	CryptoServer module ASN1 bad PKCS#1 format
B091000F	CryptoServer module ASN1 decoding error
B0910010	CryptoServer module ASN1 calculated size exceeds given datasize
B092xxxx	CryptoServer module BLUP
B0920001	CryptoServer module BLUP bad command length
B0920002	CryptoServer module BLUP bad bootloader version
B094xxxx	CryptoServer module CT
B0940001	CryptoServer module CT invalid command
B0940002	CryptoServer module CT invalid command length
B0940003	CryptoServer module CT unable to create semaphore
B0940004	CryptoServer module CT task is already/still running
B0940005	CryptoServer module CT memory allocation error
B095xxxx	CryptoServer module FS
B0950001	CryptoServer module FS invalid parameter
B0950002	CryptoServer module FS invalid device
B0950003	CryptoServer module FS memory allocation failed
B0950004	CryptoServer module FS channel not available
B096xxxx	CryptoServer module MBK
B0960001	CryptoServer module MBK Parameter mismatch
B0960002	CryptoServer module MBK MBK database is suspended
B0960003	CryptoServer module MBK Unexpected null pointer
B0960004	CryptoServer module MBK Permission denied
B0960005	CryptoServer module MBK ISO hash check of key failed

Code	Description
B0960006	CryptoServer module MBK Key types do not match
B0960007	CryptoServer module MBK Key generation date do not match
B0960008	CryptoServer module MBK Key generation time do not match
B0960009	CryptoServer module MBK Key names do not match
B096000A	CryptoServer module MBK Verify of existing master key failed
B096000B	CryptoServer module MBK Slot is empty
B096000C	CryptoServer module MBK Slot number not valid
B096000D	CryptoServer module MBK Record number not valid
B096000E	CryptoServer module MBK Key length not valid
B096000F	CryptoServer module MBK Wrong format in time structure detected
B0960010	CryptoServer module MBK BCD coded time length mismatch
B0960011	CryptoServer module MBK No key name or NULL pointer for key name
B0960012	CryptoServer module MBK Action canceled by user
B0960013	CryptoServer module MBK Invalid mode for AES key passed
B0960014	CryptoServer module MBK Both versions of the MBK database exists
B0960015	CryptoServer module MBK External parameter already set from extern and overwrite flag is not set
B0960016	CryptoServer module MBK The AES Module is not available
B0960017	CryptoServer module MBK Wrong key type at slot
B0960018	CryptoServer module MBK memory allocation failed
B0960019	CryptoServer module MBK bad database format
B096001A	CryptoServer module MBK smartcard record is empty
B096001B	CryptoServer module MBK smartcard only contains empty records
B096001C	CryptoServer module MBK unable to require semaphore
B096001D	CryptoServer module MBK maximum numbers of key exchange keys reached
B096001E	CryptoServer module MBK invalid flags value
B096001F	CryptoServer module MBK info length not valid

Code	Description
B0960020	CryptoServer module MBK key already exists
B0960021	CryptoServer module MBK invalid length of key share
B0960022	CryptoServer module MBK invalid number of key shares
B0960023	CryptoServer module MBK the ECA module is not available
B0960024	CryptoServer module MBK number of key shares doesn't match
B0960025	CryptoServer module MBK invalid key ID
B0960026	CryptoServer module MBK multiple occurrence of same key ID
B0960027	CryptoServer module MBK no kek found with given hash
B097xxxx	CryptoServer module DIAG
B0970001	CryptoServer module DIAG wrong command length
B0970002	CryptoServer module DIAG error starting task
B0970003	CryptoServer module DIAG device open error
B0970004	CryptoServer module DIAG device read error
B0970006	CryptoServer module DIAG device write error
B0970007	CryptoServer module DIAG device close error
B0970008	CryptoServer module DIAG random test error
B0970009	CryptoServer module DIAG random init failed
B097000A	CryptoServer module DIAG random generation failed
B098xxxx	CryptoServer module EMV
B0980001	CryptoServer module EMV Null pointer in argument
B0980002	CryptoServer module EMV memory allocation error
B0980003	CryptoServer module EMV wrong parameter
B0980004	CryptoServer module EMV bad key length
B0980005	CryptoServer module EMV bad data length
B0980010	CryptoServer module EMV wrong length of subject id
B0980012	CryptoServer module EMV wrong modulus length
B0980013	CryptoServer module EMV wrong public exponent

Code	Description
B0980014	CryptoServer module EMV wrong length of public exponent
B0980015	CryptoServer module EMV wrong signature length
B0980016	CryptoServer module EMV wrong signature
B0980017	CryptoServer module EMV wrong certificate format
B0980018	CryptoServer module EMV wrong hash value
B0980019	CryptoServer module EMV wrong application cryptogram
B098001A	CryptoServer module EMV CVR does not match
B098001B	CryptoServer module EMV TAN verification failed
B099xxxx	CryptoServer module PIN
B0990001	CryptoServer module PIN bad PIN block format
B0990002	CryptoServer module PIN bad parameter
B0990003	CryptoServer module PIN can't allocate memory
B0990004	CryptoServer module PIN bad PIN length
B0990005	CryptoServer module PIN not enough digits found
B0990006	CryptoServer module PIN bad translation table
B0990007	CryptoServer module PIN bad PIN conditions
B0990008	CryptoServer module PIN PIN does not meet conditions
B09Axxxx	CryptoServer module NTP
B09A0001	CryptoServer module NTP NTP: Command with invalid data length
B09A0002	CryptoServer module NTP NTP: requested time delay too big
B09A0003	CryptoServer module NTP NTP: daily time delay exceeded
B09Bxxxx	CryptoServer module NSNSNTP
B09B0001	CryptoServer module NSNSNTP NSNTP: Command with invalid data length
B09B0002	CryptoServer module NSNSNTP NSNTP: requested time delay too big
B09B0003	CryptoServer module NSNSNTP NSNTP: daily time delay exceeded
B09Cxxxx	CryptoServer module ECDSA
B09C0001	CryptoServer module ECDSA cannot allocate memory

Code	Description
B09C0002	CryptoServer module ECDSA null component in signature (r,s)
B09C0003	CryptoServer module ECDSA value for flags is invalid
B09C0004	CryptoServer module ECDSA private and public key do not correspond
B09C0005	CryptoServer module ECDSA bad public key
B09C0006	CryptoServer module ECDSA bad private key
B09C0007	CryptoServer module ECDSA signature verification failed
B09C0008	CryptoServer module ECDSA bad format of signature
B09C0009	CryptoServer module ECDSA no ASN.1 module loaded
B09C000A	CryptoServer module ECDSA buffer for result is too small
B09C000B	CryptoServer module ECDSA malformed ASN.1 coded key pair
B0D5xxxx	CryptoServer module CSP
B0D50001	CryptoServer module CSP bad database name
B0D50002	CryptoServer module CSP memory allocation error
B0D50003	CryptoServer module CSP bad context handle
B0D50004	CryptoServer module CSP database already exist
B0D50005	CryptoServer module CSP permission denied
B0D50006	CryptoServer module CSP maximum number of keys reached
B0D50007	CryptoServer module CSP invalid key type
B0D50008	CryptoServer module CSP bad rsa magic tag
B0D50009	CryptoServer module CSP invalid key length
B0D5000A	CryptoServer module CSP bad flags
B0D5000B	CryptoServer module CSP bad key state
B0D5000C	CryptoServer module CSP bad pkcs#1 format
B0D5000D	CryptoServer module CSP bad key component
B0D5000E	CryptoServer module CSP bad parameter
B0D5000F	CryptoServer module CSP bad key algo

Code	Description
B0D50010	CryptoServer module CSP bad blob type
B0D50011	CryptoServer module CSP invalid buffer size
B0D50012	CryptoServer module CSP bad hash structure
B0D50013	CryptoServer module CSP bad hash algo
B0D50014	CryptoServer module CSP bad hash state
B0D50015	CryptoServer module CSP invalid data length
B0D50016	CryptoServer module CSP bad pkcs1 format
B0D50017	CryptoServer module CSP bad key info structure
B0D50018	CryptoServer module CSP function not implemented
B0D50019	CryptoServer module CSP invalid mode
B0D5001A	CryptoServer module CSP bad data
B0D5001B	CryptoServer module CSP key does not exist
B0D5001C	CryptoServer module CSP no mbk imported
B0D5001D	CryptoServer module CSP invalid database
B0E0xxxx	CryptoServer module CRGEN
B0E00001	CryptoServer module CRGEN wrong user length
B0E00002	CryptoServer module CRGEN wrong group length
B0E00003	CryptoServer module CRGEN wrong challenge length
B0E00004	CryptoServer module CRGEN wrong opcode
B0E00005	CryptoServer module CRGEN wrong pwd length
B0E00006	CryptoServer module CRGEN bad challenge
B0E00007	CryptoServer module CRGEN permission denied
B0E00008	CryptoServer module CRGEN administrator doesn't exist
B0E00009	CryptoServer module CRGEN wrong user group
B0E0000A	CryptoServer module CRGEN wrong administrator length
B0E0000B	CryptoServer module CRGEN maximum number of users reached

Code	Description
BOE0000C	CryptoServer module CRGEN user already exists
BOE0000D	CryptoServer module CRGEN user doesn't exist
BOE0000E	CryptoServer module CRGEN wrong flag
BOE0000F	CryptoServer module CRGEN no master box key
BOE00010	CryptoServer module CRGEN wrong searchkey length
BOE00011	CryptoServer module CRGEN bad TLV coding
BOE00012	CryptoServer module CRGEN tag not found
BOE00013	CryptoServer module CRGEN wrong machine ID length
BOE00014	CryptoServer module CRGEN buffer size too small
BOE00015	CryptoServer module CRGEN no master box key loaded
BOE00016	CryptoServer module CRGEN wrong info length
BOE00017	CryptoServer module CRGEN keyword not found
BOE00018	CryptoServer module CRGEN feature is locked
BOE00020	CryptoServer module CRGEN invalid commands length
BOE00021	CryptoServer module CRGEN memory allocation error
BOE00022	CryptoServer module CRGEN bad magic tag
BOE00023	CryptoServer module CRGEN bad target
BOE0003x	CryptoServer module CRGEN config file section
BOE00030	CryptoServer module CRGEN bad config file
BOE00031	CryptoServer module CRGEN invalid request
BOE00032	CryptoServer module CRGEN invalid command
BOE00033	CryptoServer module CRGEN to many user
BOE0004x	CryptoServer module CRGEN log section
BOE00040	CryptoServer module CRGEN invalid log state
BOE00041	CryptoServer module CRGEN maximum log size reached
BOE00042	CryptoServer module CRGEN unable to create semaphore

Code	Description
BOE00043	CryptoServer module CRGEN unable to lock semaphore
BOE00044	CryptoServer module CRGEN log file is empty
BOE00045	CryptoServer module CRGEN error reading log file
BOE00046	CryptoServer module CRGEN bad hash size
BOE00047	CryptoServer module CRGEN bad signature size
BOE00048	CryptoServer module CRGEN invalid signature
BOE1xxxx	SafeGuard Toolkit Module
BOE10001	SafeGuard Toolkit Module access denied
BOE10002	SafeGuard Toolkit Module wrong command length
BOE10003	SafeGuard Toolkit Module memory allocation error
BOE10004	SafeGuard Toolkit Module invalid buffer length
BOE10005	SafeGuard Toolkit Module no more memory available
BOE10010	SafeGuard Toolkit Module invalid key format
BOE10011	SafeGuard Toolkit Module invalid key type
BOE10012	SafeGuard Toolkit Module invalid key status
BOE10013	SafeGuard Toolkit Module invalid key length
BOE10014	SafeGuard Toolkit Module invalid key components
BOE10015	SafeGuard Toolkit Module bad key magic in key blob
BOE10016	SafeGuard Toolkit Module invalid key index
BOE10017	SafeGuard Toolkit Module invalid modulus length
BOE10018	SafeGuard Toolkit Module invalid length of the public exponentv
BOE10019	SafeGuard Toolkit Module maximum number of keys reached
BOE1001A	SafeGuard Toolkit Module invalid hash type
BOE1001B	SafeGuard Toolkit Module invalid hash length
BOE1001C	SafeGuard Toolkit Module invalid parameter in signed license file
BOE1001D	SafeGuard Toolkit Module missing parameter in signed license file

Code	Description
B0E1001E	SafeGuard Toolkit Module ASN1 object not found
B0E1001F	SafeGuard Toolkit Module serial number exceeds maximum
B0E10020	SafeGuard Toolkit Module function restricted
B0EFxxxx	CryptoServer module TDES
B0EF0000	CryptoServer module TDES memory allocation failed
B0EF0001	CryptoServer module TDES Permission denied
B900xxxx	CryptoServer API
B90000xx	CryptoServer API CryptoServer API core functions
B9000000	CryptoServer API CryptoServer API core functions bad tag in data block
B9000001	CryptoServer API CryptoServer API core functions invalid handle
B9000002	CryptoServer API CryptoServer API core functions invalid argument
B9000003	CryptoServer API CryptoServer API core functions can't alloc memory
B9000004	CryptoServer API CryptoServer API core functions malformed protocol stack
B9000005	CryptoServer API CryptoServer API core functions data block too big
B9000007	CryptoServer API CryptoServer API core functions bad V24 device
B9000008	CryptoServer API CryptoServer API core functions bad V24 parameter
B9000009	CryptoServer API CryptoServer API core functions can't calculate block length
B900000A	CryptoServer API CryptoServer API core functions empty command block
B900000B	CryptoServer API CryptoServer API core functions malformed answer block from CSLAN
B900000C	CryptoServer API CryptoServer API core functions can't set V24 device

Code	Description
B900000D	CryptoServer API CryptoServer API core functions V24 mode not activated
B900000E	CryptoServer API CryptoServer API core functions V24 crc error on read
B9000010	CryptoServer API CryptoServer API core functions bad length within format string (scanf)
B9000011	CryptoServer API CryptoServer API core functions bad format of command block
B9000012	CryptoServer API CryptoServer API core functions bad parameter structure (scanf)
B9000013	CryptoServer API CryptoServer API core functions bad format string (scanf)
B9000014	CryptoServer API CryptoServer API core functions cs_scanf not supported
B90001xx	CryptoServer API command layer for old KryptoServer
B9000100	CryptoServer API command layer for old KryptoServer length error of answer block
B9000101	CryptoServer API command layer for old KryptoServer bad length error of command data
B9000102	CryptoServer API command layer for old KryptoServer missing parameter structure
B90002xx	CryptoServer API command layer CMDS for CryptoServer
B9000200	CryptoServer API command layer CMDS for CryptoServer length error of answer block
B9000201	CryptoServer API command layer CMDS for CryptoServer bad length of command data
B9000202	CryptoServer API command layer CMDS for CryptoServer missing parameter structure
B9000203	CryptoServer API command layer CMDS for CryptoServer bad tag of answer block
B90003xx	CryptoServer API command layer CHNL for CryptoServer
B9000300	CryptoServer API command layer CHNL for CryptoServer length error of answer block

Code	Description
B9000301	CryptoServer API command layer CHNL for CryptoServer bad tag of answer block
B90004xx	CryptoServer API authentication layer for CryptoServer
B9000400	CryptoServer API authentication layer for CryptoServer length error of answer block
B9000401	CryptoServer API authentication layer for CryptoServer invalid function code
B9000402	CryptoServer API authentication layer for CryptoServer malformed answer block
B9000403	CryptoServer API authentication layer for CryptoServer invalid authentication mechanism
B9000404	CryptoServer API authentication layer for CryptoServer error in hash function
B9000405	CryptoServer API authentication layer for CryptoServer error in signature function
B9000406	CryptoServer API authentication layer for CryptoServer error in HMAC function
B90005xx	CryptoServer API command layer BL for CryptoServer
B9000500	CryptoServer API command layer BL for CryptoServer length error of answer block
B9000501	CryptoServer API command layer BL for CryptoServer bad length error of command data
B9000502	CryptoServer API command layer BL for CryptoServer missing parameter structure
B9000503	CryptoServer API command layer BL for CryptoServer bad tag of answer block
B90006xx	CryptoServer API secure messaging layer for CryptoServer
B9000600	CryptoServer API secure messaging layer for CryptoServer length error of answer block
B9000601	CryptoServer API secure messaging layer for CryptoServer malformed answer block
B9000602	CryptoServer API secure messaging layer for CryptoServer invalid SM mechanism

Code	Description
B9000603	CryptoServer API secure messaging layer for CryptoServer zero length data
B9000604	CryptoServer API secure messaging layer for CryptoServer en- / decryption / MAC error
B9000605	CryptoServer API secure messaging layer for CryptoServer secure messaging unwrap error
B9000Axx	CryptoServer API command layer CDI for CryptoServer
B9000A00	CryptoServer API command layer CDI for CryptoServer length error of answer block
B9000A01	CryptoServer API command layer CDI for CryptoServer bad length error of command data
B9000A02	CryptoServer API command layer CDI for CryptoServer missing parameter structure
B9000A03	CryptoServer API command layer CDI for CryptoServer bad tag of answer block
B9000Cxx	CryptoServer API command layer TL for CryptoServer
B9000C00	CryptoServer API command layer TL for CryptoServer length error of answer block
B9000C01	CryptoServer API command layer TL for CryptoServer bad tag of answer block
B9000Exx	CryptoServer API command layer DUMY for CryptoServer
B9000E00	CryptoServer API command layer DUMY for CryptoServer length error of answer block
B9000E01	CryptoServer API command layer DUMY for CryptoServer bad length error of command data
B9000E02	CryptoServer API command layer DUMY for CryptoServer missing parameter structure
B901xxxx	CryptoServer API LINUX
B9010001	CryptoServer API LINUX path name too long
B9010002	CryptoServer API LINUX bad port number
B9010003	CryptoServer API LINUX bad IP address
B9010004	CryptoServer API LINUX bad host name

Code	Description
B9010005	CryptoServer API LINUX connection terminated by remote host
B9010006	CryptoServer API LINUX can't alloc memory
B9010007	CryptoServer API LINUX timeout occurred
B9010008	CryptoServer API LINUX invalid argument
B9010009	CryptoServer API LINUX no space for sockaddr (internal error)
B901000A	CryptoServer API LINUX bad block size received
B901000B	CryptoServer API LINUX no ready message from CMDS
B901000C	CryptoServer API LINUX cs2 exceeds critical temperature
B901000D	CryptoServer API LINUX error on /proc file
B901000E	CryptoServer API LINUX can't stat device file
B9011xxx	CryptoServer API LINUX can't open device
B9012xxx	CryptoServer API LINUX can't creat socket
B9013xxx	CryptoServer API LINUX can't get connection
B9014xxx	CryptoServer API LINUX error while polling
B9015xxx	CryptoServer API LINUX read error
B9015701	CryptoServer API LINUX timeout
B9015706	CryptoServer API LINUX operation interruptet by reset
B9015707	CryptoServer API LINUX temperature alarm
B901570A	CryptoServer API LINUX CryptoServer halted
B901570B	CryptoServer API LINUX panic message from CryptoServer
B9016xxx	CryptoServer API LINUX write error
B9016701	CryptoServer API LINUX timeout
B9016703	CryptoServer API LINUX request rejectet by CS2
B9016706	CryptoServer API LINUX operation interruptet by reset
B9016707	CryptoServer API LINUX temperature alarm
B901670A	CryptoServer API LINUX CryptoServer halted

Code	Description
B901670B	CryptoServer API LINUX panic message from CryptoServer
B9017xxx	CryptoServer API LINUX ioctl error
B9017701	CryptoServer API LINUX timeout
B9017706	CryptoServer API LINUX operation interrupted by reset
B9017707	CryptoServer API LINUX temperature alarm
B901770A	CryptoServer API LINUX CryptoServer halted
B901770B	CryptoServer API LINUX panic message from CryptoServer
B901773x	CryptoServer API LINUX reset of CryptoServer failed
B9018xxx	CryptoServer API LINUX ioctl error (locking)
B9018706	CryptoServer API LINUX operation interruptet by reset
B9019xxx	CryptoServer API LINUX tcp receive error
B901Axxx	CryptoServer API LINUX tcp send error
B902xxxx	CryptoServer API Windows
B9020001	CryptoServer API Windows path name too long
B9020002	CryptoServer API Windows bad port number
B9020003	CryptoServer API Windows bad IP address
B9020004	CryptoServer API Windows bad host name
B9020005	CryptoServer API Windows connection terminated by remote host
B9020006	CryptoServer API Windows can't alloc memory
B9020007	CryptoServer API Windows timeout occured
B9020008	CryptoServer API Windows invalid argument
B9020009	CryptoServer API Windows no space for sockaddr (internal error)
B902000A	CryptoServer API Windows bad block size received
B902000B	CryptoServer API Windows no ready message from CMDS
B902000C	CryptoServer API Windows cs2 exceeds critical temperature
B9020010	CryptoServer API Windows invalid parameter

Code	Description
B9020011	CryptoServer API Windows invalid handle value
B9020013	CryptoServer API Windows error creating mutex
B9020014	CryptoServer API Windows unable to set lock
B9020015	CryptoServer API Windows timeout while waiting for mutex
B9020016	CryptoServer API Windows no valid mutex object
B90201xx	CryptoServer API Windows tcp: can't open device
B90202xx	CryptoServer API Windows tcp: can't creat socket
B90203xx	CryptoServer API Windows tcp: can't get connection
B90204xx	CryptoServer API Windows tcp: error while polling
B90204F0	CryptoServer API Windows tcp: error while polling tcp: can't get connection
B90205xx	CryptoServer API Windows tcp: read error
B90206xx	CryptoServer API Windows tcp: write error
B90207xx	CryptoServer API Windows tcp: init error
B90208xx	CryptoServer API Windows tcp: ioctl error
B9021xxx	CryptoServer API Windows tcp: ioctl error dci: can't open device
B9022xxx	CryptoServer API Windows tcp: ioctl error dci: read error
B9022001	CryptoServer API Windows tcp: ioctl error dci: read returned wrong length
B90220B5	CryptoServer API Windows tcp: ioctl error dci: read timeout
B9022706	CryptoServer API Windows tcp: ioctl error dci: operation interruptet by reset
B9022707	CryptoServer API Windows tcp: ioctl error dci: temperature alarm
B902273x	CryptoServer API Windows tcp: ioctl error dci: reset failed

Code	Description
B9023xxx	CryptoServer API Windows tcp: ioctl error dci: write error
B9023001	CryptoServer API Windows tcp: ioctl error dci: write returned wrong length
B90230B5	CryptoServer API Windows tcp: ioctl error dci: write timeout
B9023706	CryptoServer API Windows tcp: ioctl error dci: operation interrupted by reset
B9023707	CryptoServer API Windows tcp: ioctl error dci: high temperature
B902373x	CryptoServer API Windows tcp: ioctl error dci: reset failed
B9024xxx	CryptoServer API Windows tcp: ioctl error dci: ioctl error
B9024001	CryptoServer API Windows tcp: ioctl error dci: no ready message from CMDS
B90240B5	CryptoServer API Windows tcp: ioctl error dci: ioctl timeout
B9024706	CryptoServer API Windows tcp: ioctl error dci: operation interruptet by reset
B9024707	CryptoServer API Windows tcp: ioctl error dci: high temperature
B902473x	CryptoServer API Windows tcp: ioctl error dci: reset failed
B9025xxx	CryptoServer API Windows tcp: ioctl error mutex section
B903xxxx	CryptoServer Cluster API
B9030001	CryptoServer Cluster API no devices specified
B9030002	CryptoServer Cluster API invalid handle
B9030003	CryptoServer Cluster API no valid connections left
B9030004	CryptoServer Cluster API invalid parameter
B9030005	CryptoServer Cluster API missing callback function 'get_sessionkey'
B9031xxx	CryptoServer Cluster API bad parameter

Code	Description
B904xxxx	yacl library
B90400xx	yacl library DES modul
B9040000	yacl library DES modul length of DES-Key is not 8, 16 or 24 byte
B9040001	yacl library DES modul length of input data is not a multiple of 8
B9040013	yacl library DES modul invalid irreducible polynomial
B90401xx	yacl library RSA modul
B9040100	yacl library RSA modul effective length of result is greater
B9040101	yacl library RSA modul effective length of on input operand
B9040102	yacl library RSA modul result of subtraction would be negativ
B9040103	yacl library RSA modul divisor/modulus is zero with division
B9040104	yacl library RSA modul operand for 'esm' is greater than modulus
B90402xx	yacl library Long Number Arithmetic
B9040201	yacl library Long Number Arithmetic result overflow
B9040202	yacl library Long Number Arithmetic result negativ
B9040203	yacl library Long Number Arithmetic modulus too short
B9040204	yacl library Long Number Arithmetic data greater than modulus
B9040205	yacl library Long Number Arithmetic can't alloc memory
B9040206	yacl library Long Number Arithmetic exponent is 0
B9040207	yacl library Long Number Arithmetic division by zero

Code	Description
B9040208	yacl library Long Number Arithmetic number too short
B9040209	yacl library Long Number Arithmetic bad parameter
B904020A	yacl library Long Number Arithmetic no prime found
B904020B	yacl library Long Number Arithmetic modulus is even
B90403xx	yacl library RSA functions
B9040301	yacl library RSA functions cannot allocate memory
B9040302	yacl library RSA functions buffer for result is to small
B9040303	yacl library RSA functions data size too big (greater than modulus)
B9040304	yacl library RSA functions modulus is not $p * q$
B9040305	yacl library RSA functions p is greater then q
B9040306	yacl library RSA functions u is not $(1/q) \bmod p$
B9040307	yacl library RSA functions dp is not $d \bmod (p-1)$
B9040308	yacl library RSA functions dq is not $d \bmod (q-1)$
B9040309	yacl library RSA functions $\gcd(p-1,e) \neq 1$ or $\gcd(q-1,e) \neq 1$
B904030A	yacl library RSA functions $d * e \neq 1 \bmod (p-1)(q-1)$
B904030B	yacl library RSA functions Key length too small
B904030C	yacl library RSA functions modulus to small
B904030D	yacl library RSA functions bad key components

Code	Description
B904030E	yacl library RSA functions invalid parameter
B904030F	yacl library RSA functions key generation failed
B9040310	yacl library RSA functions Invalid hash algorithm
B9040311	yacl library RSA functions Signature verification failed
B9040312	yacl library RSA functions PKCS#1 decryption failed
B9040313	yacl library RSA functions PKCS#1 encoding error
B9040314	yacl library RSA functions invalid public exponent
B90404xx	yacl library SAFER module
B9040400	yacl library SAFER module length of SAFER-Key is not 8 or 16
B9040401	yacl library SAFER module length of input data is not a multiple of 8
B90405xx	yacl library Pseudo Random Number Generator
B9040501	yacl library Pseudo Random Number Generator Null pointer in argument
B9040502	yacl library Pseudo Random Number Generator Wrong length of seed
B9040503	yacl library Pseudo Random Number Generator Can't auto initialize rnd generator
B90406xx	yacl library AES module
B9040600	yacl library AES module length of AES-Key is not 16, 24 or 32
B9040601	yacl library AES module length of input data is not a multiple of 16
B90407xx	yacl library IDEA module
B9040700	yacl library IDEA module length of IDEA-Key is not 16

Code	Description
B9040701	yacl library IDEA module length of input data is not a multiple of 8 or 0
B90408xx	yacl library ASN1 module
B9040821	yacl library ASN1 module Memory Error
B9040822	yacl library ASN1 module Parameter flag is incorrect
B9040823	yacl library ASN1 module ASN1_ITEM table overflow
B9040824	yacl library ASN1 module Component flag is not defined
B9040825	yacl library ASN1 module ASN1 data overrun
B9040826	yacl library ASN1 module tag too big
B9040827	yacl library ASN1 module indefinite length not supportet
B9040828	yacl library ASN1 module lenght field too big
B904082A	yacl library ASN1 module item not found
B904082B	yacl library ASN1 module ASN1 buffer overflow
B904082C	yacl library ASN1 module bad value of 'nitems' in ITEM table
B904082D	yacl library ASN1 module zero tag
B904082F	yacl library ASN1 module decoding error
B9040830	yacl library ASN1 module calculated size exceeds given datasize
B90409xx	yacl library Hash module
B9040901	yacl library Hash module Invalid hash mode

Code	Description
B9040902	yacl library Hash module Invalid length
B9040903	yacl library Hash module Invalid parameter
B9040Axx	yacl library module ECA
B9040A01	yacl library module ECA can't alloc memory
B9040A02	yacl library module ECA not supported
B9040A03	yacl library module ECA bad parameter
B9040A04	yacl library module ECA curve not found
B9040A05	yacl library module ECA curve already registered
B9040A06	yacl library module ECA input number too big
B9040A07	yacl library module ECA infinite result
B9040A08	yacl library module ECA incompatible precalculated point
B9040A09	yacl library module ECA bad length of argument
B9040A0A	yacl library module ECA bad tag of point
B9040A0B	yacl library module ECA no square root found
B9040A0C	yacl library module ECA non-residue could not be found
B9040A0D	yacl library module ECA no ASN.1 module found
B9040A0E	yacl library module ECA error decoding ASN.1 EC domain parameter
B9040A0F	yacl library module ECA bad value of EC point

Code	Description
B9040A10	yacl library module ECA bad value of EC domain parameter
B9040A11	yacl library module ECA EC domain parameters differ
B9040A12	yacl library module ECA invalid domain parameter
B9040Bxx	yacl library module ECDSA
B9040B01	yacl library module ECDSA cannot allocate memory
B9040B02	yacl library module ECDSA null component in signature (r,s)
B9040B03	yacl library module ECDSA value for flags is invalid
B9040B04	yacl library module ECDSA private and public key do not correspond
B9040B05	yacl library module ECDSA bad public key
B9040B06	yacl library module ECDSA bad private key
B9040B07	yacl library module ECDSA signature verification failed
B9040B08	yacl library module ECDSA bad format of signature
B9040B09	yacl library module ECDSA no ASN.1 module loaded
B9040B0A	yacl library module ECDSA buffer for result is too small
B9040B0B	yacl library module ECDSA malformed ASN.1 coded key pair
B9040Cxx	yacl library module DSA
B9040C01	yacl library module DSA prime P is too small
B9040C02	yacl library module DSA prime Q is too small

Code	Description
B9040C03	yacl library module DSA domain parameter generation failed
B9040C04	yacl library module DSA invalid generator value G
B9040C05	yacl library module DSA bad primes P and Q
B9040C06	yacl library module DSA hash value too long
B9040C07	yacl library module DSA private and public key do not correspond
B9040C08	yacl library module DSA invalid parameter
B9040C09	yacl library module DSA bad public key
B9040C0A	yacl library module DSA bad private key
B9040C0B	yacl library module DSA signature verification failed
B9040C0C	yacl library module DSA bad format of signature
B9040C0D	yacl library module DSA buffer for result is too small
B9040Dxx	yacl library PK module
B9040D01	yacl library PK module invalid parameter
B9040D02	yacl library PK module memory allocation failed
B9040D03	yacl library PK module unknown distinguished name type
B9040D04	yacl library PK module invalid distinguished name (value or length)
B9040D05	yacl library PK module invalid time format
B9040D06	yacl library PK module unknown / unsupported key type

Code	Description
B9040D07	yacl library PK module unknown / unsupported signature algorithm
B9040D08	yacl library PK module unknown / unsupported hash algorithm
B9040D09	yacl library PK module invalid / unsupported version
B9040D0A	yacl library PK module unknown / unsupported PKCS7 content type
B9040D0B	yacl library PK module no PKCS7 version found
B9040D0C	yacl library PK module unknown PKCS7 element type
B9040D0D	yacl library PK module element type SIGNATURE not found
B9040D0E	yacl library PK module element type ENVELOPED not found
B9040D0F	yacl library PK module element type CERT not found
B9040D10	yacl library PK module element type AUTH_ATT not found
B9040D11	yacl library PK module element type UNAUTH_ATT not found
B9040D12	yacl library PK module element type SIG_TIME not found
B9040D13	yacl library PK module element type DATA not found
B9040D14	yacl library PK module no signer certificate given
B9040D15	yacl library PK module no data or hash given to perform sign / verify operation
B9040D16	yacl library PK module invalid PKCS7 content type
B9040D17	yacl library PK module no digest algorithm in PKCS7 data found

Code	Description
B9040D18	yacl library PK module no signer infos found
B9040D19	yacl library PK module no issuer / serial number found
B9040D1A	yacl library PK module number of PK_P7_ELEM too small
B9040D1B	yacl library PK module invalid signer reference
B9040D1C	yacl library PK module content type is not SignedData
B9040D1D	yacl library PK module content type is not Enveloped
B9040D1E	yacl library PK module digestEncryptionAlgorithm doesn't match signer certificate key type
B9040D1F	yacl library PK module signature verification failed
B9040D20	yacl library PK module no recipient certificate given
B9040D21	yacl library PK module unknown / unsupported encryption key type
B9040D22	yacl library PK module multiple recipients not supported
B9040D23	yacl library PK module given certificate doesn't match certificate in PKCS7 structure
B9040D24	yacl library PK module given key doesn't match key encryption algorithm
B9040D25	yacl library PK module no key encryption algorithm identifier found
B9040D26	yacl library PK module no content type found
B9040D27	yacl library PK module no content encryption algorithm identifier found
B9040D28	yacl library PK module invalid attribute structure

Code	Description
B9040D29	yacl library PK module given buffer / struct doesn't contain enough space for this operation
B9040D30	yacl library PK module Unable to retrieve system time / convert time;
B9040D31	yacl library PK module unknown attribute type
B9040D32	yacl library PK module CRL issuer doesn't match certificate's subject / issuer
B9040D33	yacl library PK module requested attribute not available (optional)
B9040D34	yacl library PK module bad CRL format
B9040D35	yacl library PK module CRL is not yet valid
B9040D36	yacl library PK module partial CRL verification not initialized
B9040D40	yacl library PK module unsupported time format
B9040D41	yacl library PK module given time format contains century ; 1900
B9040D42	yacl library PK module indefinite length not supportet
B9040D50	yacl library PK module invalid signer / invalid signer information
B9040D51	yacl library PK module invalid signer structure (ASN.1 error)
B9040Exx	yacl library crypt module
B9040E01	yacl library crypt module Old Crypt Version
B9050xxx	yacl library crypt module Serial Driver
B9050001	yacl library crypt module too many lines open
B9050002	yacl library crypt module error setting line parameters

Code	Description
B9050003	yacl library crypt module can't open device
B9050004	yacl library crypt module handle not open
B9050005	yacl library crypt module invalid handle
B9050006	yacl library crypt module invalid parameter value
B9050007	yacl library crypt module invalid parameter type
B9050008	yacl library crypt module error on read
B9050009	yacl library crypt module timeout on read
B905000A	yacl library crypt module error on write
B905000B	yacl library crypt module timeout on write
B905000C	yacl library crypt module error on ioctl
B9050010	yacl library crypt module no valid device name
B9050011	yacl library crypt module no valid Buffer selected
B9050012	yacl library crypt module line state parameter incorrect
B9050013	yacl library crypt module line select parameter incorrect
B9050014	yacl library crypt module error in comunication driver
B9050015	yacl library crypt module Parity Error
B9050016	yacl library crypt module Frame Error

Code	Description
B9050017	yacl library crypt module Flush failed
B9050018	yacl library crypt module EOF on read
B906xxxx	CryptoServer admin library
B9060001	CryptoServer admin library malloc() failed
B9060002	CryptoServer admin library malformed PIN-Pad application list
B9061xxx	CryptoServer admin library Utility Functions
B9061001	CryptoServer admin library File Open Error
B9061002	CryptoServer admin library Key Structure has not been initialized
B9061003	CryptoServer admin library unable to open Keyfile
B9061004	CryptoServer admin library unknown Type of Keyfile
B9061005	CryptoServer admin library Error reading Keyfile
B9061006	CryptoServer admin library Error writing Keyfile
B9061007	CryptoServer admin library Wrong Keyfile Format in .tok file
B9061008	CryptoServer admin library Wrong Keyfile Format in .key file
B9061009	CryptoServer admin library Wrong File Name
B906100A	CryptoServer admin library invalid Key Source (file or smartcard)
B906100B	CryptoServer admin library invalid Key Type (private or public)
B906100C	CryptoServer admin library invalid Data Length
B906100D	CryptoServer admin library invalid Key Length
B906100E	CryptoServer admin library can't decrypt keyfile
B906100F	CryptoServer admin library no get_pass function specified
B9061010	CryptoServer admin library Wrong Time Format CCYYMMDDHHSS[.FFF]
B9061011	CryptoServer admin library file not found
B9061012	CryptoServer admin library invalid parameter
B9061013	CryptoServer admin library function not supported

Code	Description
B9062xxx	CryptoServer admin library Bootloader Command Interface
B9062001	CryptoServer admin library Error calculating Hash with SHA1
B9062002	CryptoServer admin library error executing RSA
B9062003	CryptoServer admin library no random value present
B9062004	CryptoServer admin library invalid parameter
B9062005	CryptoServer admin library invalid key format
B9062006	CryptoServer admin library file open error
B9062007	CryptoServer admin library file read error
B9062008	CryptoServer admin library memory allocation error
B9062009	CryptoServer admin library response error from Cryptoserver
B906200A	CryptoServer admin library Module Name Syntax incorrect
B906200B	CryptoServer admin library Wrong Response Length from CS2
B906200C	CryptoServer admin library file does not exist
B906200D	CryptoServer admin library unable to convert time
B906200E	CryptoServer admin library invalid key size
B9063xxx	CryptoServer admin library Admin Module Command Interface
B9063001	CryptoServer admin library invalid Parameter
B9063002	CryptoServer admin library File Name Syntax incorrect
B9063003	CryptoServer admin library File Open Error
B9063004	CryptoServer admin library File Read Error
B9063005	CryptoServer admin library File Path incorrect
B9063006	CryptoServer admin library Memory Allocation Error
B9063007	CryptoServer admin library wrong response length from CS2
B9063008	CryptoServer admin library file does not exist
B9063009	CryptoServer admin library unknown battery state
B906300A	CryptoServer admin library unable to convert time

Code	Description
B906300B	CryptoServer admin library malformed audit log file
B9064xxx	CryptoServer admin library MMC / MTC tools
B9064001	CryptoServer admin library Memory Allocation Error
B9064002	CryptoServer admin library unable to open file
B9064003	CryptoServer admin library Error reading file
B9064004	CryptoServer admin library Error writing file
B9064005	CryptoServer admin library unknown file type
B9064006	CryptoServer admin library invalid encryption mode
B9064007	CryptoServer admin library Module does not contain mdl_info
B9064008	CryptoServer admin library Error reading mmc-header
B9064009	CryptoServer admin library Error reading mtc-header
B906400A	CryptoServer admin library key length isn't dividable by 8
B906400B	CryptoServer admin library Error executing DES Decryption
B906400C	CryptoServer admin library Error executing DES Encryption
B906400D	CryptoServer admin library Error executing SHA1 Hash
B906400E	CryptoServer admin library invalid Hash algo
B906400F	CryptoServer admin library invalid Signature Key
B9064010	CryptoServer admin library Null Pointer in Parameter
B9064011	CryptoServer admin library Container is without Signature
B9064012	CryptoServer admin library MTC is without Signature Info
B9064013	CryptoServer admin library invalid MMC header
B9064014	CryptoServer admin library invalid MTC header
B9064015	CryptoServer admin library invalid signature header
B9064016	CryptoServer admin library encryption not supported
B9064017	CryptoServer admin library unknown target CPU of Module
B9064018	CryptoServer admin library firmware decryption key required

Code	Description
B9064019	CryptoServer admin library error decrypting firmware module
B906401A	CryptoServer admin library invalid sign type
B9064020	CryptoServer admin library invalid signature algo
B9064021	CryptoServer admin library calculated Hash doesn't match with decrypted Hash
B9064022	CryptoServer admin library invalid RSA Modulus to en-/decrypt signature
B9064023	CryptoServer admin library invalid RSA Public Exponent to decrypt signature
B9064024	CryptoServer admin library invalid RSA Modulus Exponent to encrypt signature
B9064025	CryptoServer admin library Error RSA-decryption signature
B9064026	CryptoServer admin library Error RSA-encrypting signature
B9064027	CryptoServer admin library Error reading header of signature
B9064028	CryptoServer admin library invalid Hash algo for signature
B9064029	CryptoServer admin library invalid Key Length
B906402A	CryptoServer admin library invalid block type
B906402B	CryptoServer admin library invalid pkcs#1 format
B906402C	CryptoServer admin library bad hash value
B906402D	CryptoServer admin library unknown target hardware of Module
B9064040	CryptoServer admin library parse error found in licence file
B9064041	CryptoServer admin library not a licence file
B9064050	CryptoServer admin library package archive contains no files
B9065xxx	CryptoServer admin library CSADMIN SmartCard Tools
B90650xx	CryptoServer admin library Error in function sc_slct_file ()
B9065001	CryptoServer admin library Error in function sc_slct_file () Wrong length of file identifier
B9065002	CryptoServer admin library Error in function sc_slct_file () Error on select (not from Card)
B9065003	CryptoServer admin library Error in function sc_slct_file () Card returned error on select

Code	Description
B9065004	CryptoServer admin library Error in function sc_slct_file () Select-mode not supported
B9065010	CryptoServer admin library Error in function sc_slct_file () Error in function sc_write_key_tcoss ()
B9065011	CryptoServer admin library Error in function sc_slct_file () Member of Parameter rsa_key exceeds allowed length
B9065012	CryptoServer admin library Error in function sc_slct_file () Info data exceeds allowed length
B9065013	CryptoServer admin library Error in function sc_slct_file () Error on set permanent (not from Card)
B9065014	CryptoServer admin library Error in function sc_slct_file () Card returned error on set permanent
B9065020	CryptoServer admin library Error in function sc_slct_file () Error in function sc_backup_key
B9065021	CryptoServer admin library Error in function sc_slct_file () No free handle
B9065022	CryptoServer admin library Error in function sc_slct_file () Unknown Smartcard in SWITCH
B9065023	CryptoServer admin library Error in function sc_slct_file () PinPad dialog aborted by user or timeout
B9065030	CryptoServer admin library Error in function sc_slct_file () Error in function _sc_update_binary ()
B9065031	CryptoServer admin library Error in function sc_slct_file () Error on update binary (not from Card)
B9065032	CryptoServer admin library Error in function sc_slct_file () Card returned error on update binary
B9065040	CryptoServer admin library Error in function sc_slct_file () Error in function sc_read_backup_key
B9065041	CryptoServer admin library Error in function sc_slct_file () No free handle
B9065042	CryptoServer admin library Error in function sc_slct_file () Unknown Smartcard in SWITCH
B9065043	CryptoServer admin library Error in function sc_slct_file () PinPad dialog aborted by user or timeout

Code	Description
B9065044	CryptoServer admin library Error in function sc_slct_file () Unexpected data found on smartcard
B9065045	CryptoServer admin library Error in function sc_slct_file () Hashvalue of rsa key wrong
B9065046	CryptoServer admin library Error in function sc_slct_file () Hashvalue of smartcard-keyfile wrong
B9065047	CryptoServer admin library Error in function sc_slct_file () Keypart not found on card-data
B9065050	CryptoServer admin library Error in function sc_slct_file () Error in function sc_getbckkeyinfo_hdl_tcoss
B9065051	CryptoServer admin library Error in function sc_slct_file () Memory allocation error
B9065060	CryptoServer admin library Error in function sc_slct_file () Error in function _sc_read_binary ()
B9065061	CryptoServer admin library Error in function sc_slct_file () Error on read binary (not from Card)
B9065062	CryptoServer admin library Error in function sc_slct_file () Card returned error on read binary
B90651xx	CryptoServer admin library Error in function sc_login ()
B9065101	CryptoServer admin library Error in function sc_login () Found open connection to reader
B9065102	CryptoServer admin library Error in function sc_login () Memory allocation error
B9065103	CryptoServer admin library Error in function sc_login () mse command failed
B9065104	CryptoServer admin library Error in function sc_login () Handle already opened
B90652xx	CryptoServer admin library Error in function sc_sign ()
B9065201	CryptoServer admin library Error in function sc_sign () Parameter handle out of range
B9065202	CryptoServer admin library Error in function sc_sign () Connection not open
B9065203	CryptoServer admin library Error in function sc_sign () Programm was not initialised with sc_login ()

Code	Description
B9065204	CryptoServer admin library Error in function sc_sign () Memory allocation error
B9065205	CryptoServer admin library Error in function sc_sign () APDU sign failed
B9065206	CryptoServer admin library Error in function sc_sign () mse command failed
B9065207	CryptoServer admin library Error in function sc_sign () Card returned error on select of App
B9065208	CryptoServer admin library Error in function sc_sign () Unknown SmartCard in SWITCH
B90653xx	CryptoServer admin library Error in function sc_change_pswd ()
B9065301	CryptoServer admin library Error in function sc_change_pswd () No free handle
B9065302	CryptoServer admin library Error in function sc_change_pswd () Memory allocation error
B9065303	CryptoServer admin library Error in function sc_change_pswd () No PIN tries left
B9065304	CryptoServer admin library Error in function sc_change_pswd () Error on command verify pin
B9065305	CryptoServer admin library Error in function sc_change_pswd () Error in sc_getkey
B9065306	CryptoServer admin library Error in function sc_change_pswd () Input aborted by user
B9065307	CryptoServer admin library Error in function sc_change_pswd () Unknown SmartCard in SWITCH
B90654xx	CryptoServer admin library Error in function sc_getpubkey ()
B9065401	CryptoServer admin library Error in function sc_getpubkey () No free handle
B9065402	CryptoServer admin library Error in function sc_getpubkey () Memory allocation error
B9065403	CryptoServer admin library Error in function sc_getpubkey () Card returned error on select of App
B9065404	CryptoServer admin library Error in function sc_getpubkey () Error on selecting APPL (not from Card)

Code	Description
B9065405	CryptoServer admin library Error in function sc_getpubkey () Read record command failed (modulus)
B9065406	CryptoServer admin library Error in function sc_getpubkey () Read record command failed (exponent)
B9065407	CryptoServer admin library Error in function sc_getpubkey () Tag of modulus not as expected
B9065408	CryptoServer admin library Error in function sc_getpubkey () Tag of exponent not as expected
B9065409	CryptoServer admin library Error in function sc_getpubkey () Unknown SmartCard in SWITCH
B90656xx	CryptoServer admin library Error in function _sc_get_devices ()
B9065601	CryptoServer admin library Error in function _sc_get_devices () Device string had no leading separator
B9065602	CryptoServer admin library Error in function _sc_get_devices () No Separator ':' found in para device
B9065603	CryptoServer admin library Error in function _sc_get_devices () Memory allocation error in sc_login ()
B90657xx	CryptoServer admin library Error in function _sc_open_get_crd ()
B9065701	CryptoServer admin library Error in function _sc_open_get_crd () Memory allocation error
B9065702	CryptoServer admin library Error in function _sc_open_get_crd () Display struct not valid 16 bytes
B9065703	CryptoServer admin library Error in function _sc_open_get_crd () Input aborted by user
B9065704	CryptoServer admin library Error in function _sc_open_get_crd () Action aborted by user
B9065705	CryptoServer admin library Error in function _sc_open_get_crd () Card returned error on select of App
B9065706	CryptoServer admin library Error in function _sc_open_get_crd () SmartCard not supported
B9065707	CryptoServer admin library Error in function _sc_open_get_crd () Unknown SmartCard in SWITCH
B9065708	CryptoServer admin library Error in function _sc_open_get_crd () Key pressed on PinPad not valid

Code	Description
B90658xx	CryptoServer admin library Error in function <code>_sc_get_pin ()</code>
B9065801	CryptoServer admin library Error in function <code>_sc_get_pin ()</code> PIN input aborted by user
B9065802	CryptoServer admin library Error in function <code>_sc_get_pin ()</code> No PIN entered but VAL key pressed
B90659xx	CryptoServer admin library Error in function <code>_sc_get_verify_pin ()</code>
B9065901	CryptoServer admin library Error in function <code>_sc_get_verify_pin ()</code> Memory allocation error
B9065902	CryptoServer admin library Error in function <code>_sc_get_verify_pin ()</code> No PIN tries left
B9065903	CryptoServer admin library Error in function <code>_sc_get_verify_pin ()</code> Error verifying PIN
B9065904	CryptoServer admin library Error in function <code>_sc_get_verify_pin ()</code> Input aborted by user
B9065905	CryptoServer admin library Error in function <code>_sc_get_verify_pin ()</code> Error while testing for "Nullpin"
B9065906	CryptoServer admin library Error in function <code>_sc_get_verify_pin ()</code> "Nullpin Verfahren" is active
B9065Axx	CryptoServer admin library Error in function <code>_sc_attribute_devices ()</code>
B9065A01	CryptoServer admin library Error in function <code>_sc_attribute_devices ()</code> Reader in device string not supported
B9065A02	CryptoServer admin library Error in function <code>_sc_attribute_devices ()</code> Card in device string not supported
B9065Bxx	CryptoServer admin library Error in function <code>sc_getkeyinfo ()</code>
B9065B01	CryptoServer admin library Error in function <code>sc_getkeyinfo ()</code> Parameter handle out of range
B9065B02	CryptoServer admin library Error in function <code>sc_getkeyinfo ()</code> Connection not open
B9065B03	CryptoServer admin library Error in function <code>sc_getkeyinfo ()</code> Programm was not initialised with <code>sc_login ()</code>
B9065B04	CryptoServer admin library Error in function <code>sc_getkeyinfo ()</code> Memory allocation error
B9065B05	CryptoServer admin library Error in function <code>sc_getkeyinfo ()</code> Error on selecting (not from Card)

Code	Description
B9065B06	CryptoServer admin library Error in function sc_getkeyinfo () Card returned error on select
B9065B07	CryptoServer admin library Error in function sc_getkeyinfo () Read record command failed
B9065B08	CryptoServer admin library Error in function sc_getkeyinfo () Unknown SmartCard in SWITCH
B9065Cxx	CryptoServer admin library Error in function __sc_get_new_pin ()
B9065C01	CryptoServer admin library Error in function __sc_get_new_pin () PIN input aborted by user
B9065C02	CryptoServer admin library Error in function __sc_get_new_pin () No PIN entered but VAL key pressed
B9065C03	CryptoServer admin library Error in function __sc_get_new_pin () Buffer for PIN not big enough
B9065C04	CryptoServer admin library Error in function __sc_get_new_pin () Memory allocation error
B9065C05	CryptoServer admin library Error in function __sc_get_new_pin () Input aborted by user
B9065Dxx	CryptoServer admin library Error in function sc_login_hdl ()
B9065D01	CryptoServer admin library Error in function sc_login_hdl () No free handle
B9065D02	CryptoServer admin library Error in function sc_login_hdl () Unknown SmartCard in SWITCH
B9065Exx	CryptoServer admin library Error in function sc_close_hdl ()
B9065E01	CryptoServer admin library Error in function sc_close_hdl () Parameter handle out of range
B9065E02	CryptoServer admin library Error in function sc_close_hdl () Device to be closed not found in table
B9065Fxx	CryptoServer admin library Error in function sc_put_key_record ()
B9065F01	CryptoServer admin library Error in function sc_put_key_record () Datalength exceeds Card-send-buffer
B9065F02	CryptoServer admin library Error in function sc_put_key_record () Error on update record (not from Card)
B9065F03	CryptoServer admin library Error in function sc_put_key_record () Card returned error on update record

Code	Description
B9065F04	CryptoServer admin library Error in function sc_put_key_record () Error on append record (not from Card)
B9065F05	CryptoServer admin library Error in function sc_put_key_record () Card returned error on append record
B9066xxx	CryptoServer admin library Error in function sc_put_key_record () Authentication / Session layer
B9066001	CryptoServer admin library Error in function sc_put_key_record () Bad user name
B9066002	CryptoServer admin library Error in function sc_put_key_record () malloc failed
B9066003	CryptoServer admin library Error in function sc_put_key_record () bad user list returned from CS2
B9066004	CryptoServer admin library Error in function sc_put_key_record () bad length of answer from CS2
B9066005	CryptoServer admin library Error in function sc_put_key_record () error encrypting session key
B9066006	CryptoServer admin library Error in function sc_put_key_record () specified keysize does not match smartcard
B9066007	CryptoServer admin library Error in function sc_put_key_record () bad keysize given in key specifier
B9066008	CryptoServer admin library Error in function sc_put_key_record () invalid parameter
B9066009	CryptoServer admin library Error in function sc_put_key_record () user already exists
B906600A	CryptoServer admin library Error in function sc_put_key_record () file already exists
B906600B	CryptoServer admin library Error in function sc_put_key_record () file open error
B906600C	CryptoServer admin library Error in function sc_put_key_record () file read error
B906600D	CryptoServer admin library Error in function sc_put_key_record () file write error
B906600E	CryptoServer admin library Error in function sc_put_key_record () bad user backup data

Code	Description
B906600F	CryptoServer admin library Error in function sc_put_key_record () at least one user has been skipped
B9066010	CryptoServer admin library Error in function sc_put_key_record () long username not supported
B9066011	CryptoServer admin library Error in function sc_put_key_record () function not supported
B9066012	CryptoServer admin library Error in function sc_put_key_record () unknown hash algorithm
B9066013	CryptoServer admin library Error in function sc_put_key_record () only CRT sign supported
B9066014	CryptoServer admin library Error in function sc_put_key_record () illegal SM mechanism
B9066015	CryptoServer admin library Error in function sc_put_key_record () error decrypting session key
B9066016	CryptoServer admin library Error in function sc_put_key_record () buffer too small for signature
B9066017	CryptoServer admin library Error in function sc_put_key_record () too many concurrent SC authentications
B9066018	CryptoServer admin library Error in function sc_put_key_record () no public key found on smartcard
B9067xxx	CryptoServer admin library Error in function sc_put_key_record () CSL Command Interface
B9067001	CryptoServer admin library Error in function sc_put_key_record () invalid record length returned
B9067002	CryptoServer admin library Error in function sc_put_key_record () memory allocation error
B9067003	CryptoServer admin library Error in function sc_put_key_record () invalid data length returned
B9067004	CryptoServer admin library Error in function sc_put_key_record () password encryption failed
B9067005	CryptoServer admin library Error in function sc_put_key_record () invalid parameter
B9067006	CryptoServer admin library Error in function sc_put_key_record () buffer size too small

Code	Description
B9068xxx	CryptoServer admin library Error in function sc_put_key_record () PKG Command Interface
B9068001	CryptoServer admin library Error in function sc_put_key_record () accessing directory failed
B9068002	CryptoServer admin library Error in function sc_put_key_record () filename too long
B9068003	CryptoServer admin library Error in function sc_put_key_record () open file failed
B9068004	CryptoServer admin library Error in function sc_put_key_record () read file failed
B9068005	CryptoServer admin library Error in function sc_put_key_record () write file failed/
B9068006	CryptoServer admin library Error in function sc_put_key_record () memory allocation failed
B9068007	CryptoServer admin library Error in function sc_put_key_record () directory contains no files
B9068008	CryptoServer admin library Error in function sc_put_key_record () invalid package file
B9068009	CryptoServer admin library Error in function sc_put_key_record () invalid package name
B906800A	CryptoServer admin library Error in function sc_put_key_record () directory already exist
B906800B	CryptoServer admin library Error in function sc_put_key_record () creating directory failed
B906800C	CryptoServer admin library Error in function sc_put_key_record () Invalid parameter
B906800D	CryptoServer admin library Error in function sc_put_key_record () No key specifier given
B906800E	CryptoServer admin library Error in function sc_put_key_record () Invalid SingedLicenseFile name
B9068010	CryptoServer admin library Error in function sc_put_key_record () Possible loop in state machine detected
B9068011	CryptoServer admin library Error in function sc_put_key_record () Load file failed

Code	Description
B9068012	CryptoServer admin library Error in function sc_put_key_record () different module names with the same id /abbrev - config mismatch
B9068013	CryptoServer admin library Error in function sc_put_key_record () could not start firmware module(s)
B9068014	CryptoServer admin library Error in function sc_put_key_record () CryptoServer firmware module(s) differs from archive content
B9068015	CryptoServer admin library Error in function sc_put_key_record () Given flag forbids to perform a BLClear
B9068016	CryptoServer admin library Error in function sc_put_key_record () base firmware is missing / incomplete
B9068017	CryptoServer admin library Error in function sc_put_key_record () firmware module not contained in archive
B9068018	CryptoServer admin library Error in function sc_put_key_record () firmware module is contained in archive but with different CPU type
B9068019	CryptoServer admin library Error in function sc_put_key_record () CryptoServer in alarm state
B906801A	CryptoServer admin library Error in function sc_put_key_record () cryptoserver remains in an undefined state
B906801B	CryptoServer admin library Error in function sc_put_key_record () creating temporary directory failed
B906801C	CryptoServer admin library Error in function sc_put_key_record () old CryptoServer SDK version not supported
B906801D	CryptoServer admin library Error in function sc_put_key_record () verification of firmware package failed
B9068020	CryptoServer admin library Error in function sc_put_key_record () bad auth/sm parameter
B9068021	CryptoServer admin library Error in function sc_put_key_record () bad session
B9068022	CryptoServer admin library Error in function sc_put_key_record () illegal flag parameter
B9068023	CryptoServer admin library Error in function sc_put_key_record () package loader j-ç CryptoServer model mismatch
B9069xxx	CryptoServer admin library Error in function sc_put_key_record () MBK tools

Code	Description
B9069001	CryptoServer admin library Error in function sc_put_key_record () bad pkcs1 format
B9069002	CryptoServer admin library Error in function sc_put_key_record () buffer size too small
B9069003	CryptoServer admin library Error in function sc_put_key_record () invalid response length
B9069004	CryptoServer admin library Error in function sc_put_key_record () memory allocation failed
B9069005	CryptoServer admin library Error in function sc_put_key_record () unable to open file
B9069006	CryptoServer admin library Error in function sc_put_key_record () invalid file format
B9069007	CryptoServer admin library Error in function sc_put_key_record () invalid parameter
B9069008	CryptoServer admin library Error in function sc_put_key_record () aborted by user
B9069009	CryptoServer admin library Error in function sc_put_key_record () invalid answer data
B906900A	CryptoServer admin library Error in function sc_put_key_record () invalid key length
B906900B	CryptoServer admin library Error in function sc_put_key_record () no password given
B906900C	CryptoServer admin library Error in function sc_put_key_record () no session
B9069010	CryptoServer admin library Error in function sc_put_key_record () smartcard responds error
B9069011	CryptoServer admin library Error in function sc_put_key_record () record not found
B9069012	CryptoServer admin library Error in function sc_put_key_record () file not found
B9069013	CryptoServer admin library Error in function sc_put_key_record () access denied
B9069014	CryptoServer admin library Error in function sc_put_key_record () secure messaging failed

Code	Description
B9069015	CryptoServer admin library Error in function sc_put_key_record () invalid record length
B9069016	CryptoServer admin library Error in function sc_put_key_record () password verification failed
B9069017	CryptoServer admin library Error in function sc_put_key_record () smartcard is locked
B9069018	CryptoServer admin library Error in function sc_put_key_record () bad pin repetition
B9069019	CryptoServer admin library Error in function sc_put_key_record () null pin still active
B906902x	CryptoServer admin library Error in function sc_put_key_record () invalid pin
B906Axxx	CryptoServer admin library Error in function sc_put_key_record () cs2adm smartcard tools
B906A001	CryptoServer admin library Error in function sc_put_key_record () memory allocation failed
B906A002	CryptoServer admin library Error in function sc_put_key_record () bad device name
B906A003	CryptoServer admin library Error in function sc_put_key_record () too many open handles
B906A004	CryptoServer admin library Error in function sc_put_key_record () requested smc_id already in use
B906A005	CryptoServer admin library Error in function sc_put_key_record () channel is not open
B906A006	CryptoServer admin library Error in function sc_put_key_record () invalid data length
B906A007	CryptoServer admin library Error in function sc_put_key_record () buffer size too small
B906A008	CryptoServer admin library Error in function sc_put_key_record () smartcard is locked
B906A009	CryptoServer admin library Error in function sc_put_key_record () bad response from smartcard
B906A00A	CryptoServer admin library Error in function sc_put_key_record () unknown smartcard

Code	Description
B906A00B	CryptoServer admin library Error in function sc_put_key_record () function not supported for given cardtype
B906A00C	CryptoServer admin library Error in function sc_put_key_record () function not supported for given cardtype
B906A00D	CryptoServer admin library Error in function sc_put_key_record () bad parameter given
B906A00E	CryptoServer admin library Error in function sc_put_key_record () login condition for this function not supplied
B906A00F	CryptoServer admin library Error in function sc_put_key_record () keylength not suitable for given card
B906A010	CryptoServer admin library Error in function sc_put_key_record () invalid pin length
B906A011	CryptoServer admin library Error in function sc_put_key_record () Pin file doesn't exist
B906A012	CryptoServer admin library Error in function sc_put_key_record () Null-Pin is still active
B906A01C	CryptoServer admin library Error in function sc_put_key_record () Pin is invalid, no tries left
B906A01D	CryptoServer admin library Error in function sc_put_key_record () Pin is invalid, 1 try left
B906A01E	CryptoServer admin library Error in function sc_put_key_record () Pin is invalid, 2 tries left
B906A01F	CryptoServer admin library Error in function sc_put_key_record () Pin is invalid, 3 or more tries left
B906A020	CryptoServer admin library Error in function sc_put_key_record () bad data from backup card
B906A021	CryptoServer admin library Error in function sc_put_key_record () more keyhalfs given than existing
B906A022	CryptoServer admin library Error in function sc_put_key_record () bad data structure on Siemens CardOS card
B907xxxx	Smartcard API
B9070001	Smartcard API too many open connections
B9070002	Smartcard API bad reader type
B9070003	Smartcard API invalid handle

Code	Description
B9070004	Smartcard API handle not open
B9070005	Smartcard API function not supported
B9070006	Smartcard API no data returned from smartcard
B9070007	Smartcard API protocol error
B9070008	Smartcard API timeout
B9070009	Smartcard API command data too long
B907000A	Smartcard API output buffer too short
B907000B	Smartcard API execution aborted by user
B907000C	Smartcard API invalid value
B907000D	Smartcard API memory allocation error
B9070010	Smartcard API no driver loaded
B9070011	Smartcard API no device found
B9070012	Smartcard API unable to open device
B9070013	Smartcard API error writing to device
B9070014	Smartcard API error reading from device
B9070015	Smartcard API bad command data
B9070016	Smartcard API error during command execution
B9070017	Smartcard API bad device name
B9070099	Smartcard API no smartcard present
B90701xx	Smartcard API PIN-Pad return code != 0
B90702xx	Smartcard API CardMan return code != 0
B90703xx	Smartcard API PCSC section
B908xxxx	LCD Display module
B9080001	LCD Display module string too long
B9080002	LCD Display module Cannot open another display
B9080003	LCD Display module timeout reached

Code	Description
B9080004	LCD Display module memory allocation failed
B9080005	LCD Display module display not open
B9080006	LCD Display module dsp_getexp cancelled
B9080007	LCD Display module parameter out of range
B909xxxx	T1 Stack
B9090001	T1 Stack received block is no I-block
B9090002	T1 Stack T1 error
B9090003	T1 Stack wrong edc byte
B9090004	T1 Stack wrong node address
B9090005	T1 Stack sl error
B9090006	T1 Stack max. number of sl channels reached
B9090007	T1 Stack max. number of t1 handles reached
B9090008	T1 Stack max. number of t1 channels reached
B9090009	T1 Stack invalid handle
B909000A	T1 Stack t1 is not open
B909000B	T1 Stack t1 data error
B909000C	T1 Stack invalid control command
B909000D	T1 Stack block waiting time expired
B909000E	T1 Stack character waiting time expired
B90Axxxx	CSLAN
B90A01xx	CSLAN CSLAN Control Module
B90A0101	CSLAN CSLAN Control Module wrong parameter
B90A0102	CSLAN CSLAN Control Module system call failure
B90A0103	CSLAN CSLAN Control Module wrong permission for file operations
B90A0104	CSLAN CSLAN Control Module no relation between port and cs2000 device

Code	Description
B90A0105	CSLAN CSLAN Control Module no such file
B90A0106	CSLAN CSLAN Control Module length mismatch for vchar parameter
B90A0107	CSLAN CSLAN Control Module operation aborted because cs2000 has been reset
B90A0108	CSLAN CSLAN Control Module authentication failed
B90A0109	CSLAN CSLAN Control Module memory allocation failed
B90A010A	CSLAN CSLAN Control Module no serial number available
B90A010B	CSLAN CSLAN Control Module CryptoServer is locked
B90A010C	CSLAN CSLAN Control Module CryptoServer is already locked
B90A010D	CSLAN CSLAN Control Module CryptoServer lock denied (on loadbalancing ports)
B90A010E	CSLAN CSLAN Control Module No space left on device for this operation
B90A0120	CSLAN CSLAN Control Module ksapi compatibility listener not found
B90A0201	CSLAN CSLAN Control Module illegal configuration file
B90A0301	CSLAN CSLAN Control Module queue full
B90A0302	CSLAN CSLAN Control Module no cryptoserver online
B90A0303	CSLAN CSLAN Control Module mismatch between real packet length and data length
B90A0304	CSLAN CSLAN Control Module connection table full
B90A0305	CSLAN CSLAN Control Module ksapi compatibility mapping not found
B90Bxxxx	csadm Tool

Code	Description
B90B0001	csadm Tool memory allocation failed
B90B0002	csadm Tool NULL passphrase
B90B0003	csadm Tool passphrase repetition wrong
B90B0004	csadm Tool buffer size to small
B90B0010	csadm Tool invalid number of arguments
B90B0011	csadm Tool invalid argument format
B90B0012	csadm Tool aborted by user
B90B0020	csadm Tool invalid number of key parts
B90Cxxxx	CSXAPI
B90C0001	CSXAPI memory allocation failed
B90C0002	CSXAPI invalid data length
B90C0003	CSXAPI invalid response length
B90C0004	CSXAPI buffer size too small
B90C0005	CSXAPI invalid parameter value
B90C1xxx	CSXAPI windows system error
B90Dxxxx	ulog library
B90D0001	ulog library timeout reading socket
B90D1xxx	ulog library socket failed
B90D2xxx	ulog library bind failed
B90D3xxx	ulog library send failed
B90D4xxx	ulog library poll failed
B90D5xxx	ulog library recv failed
B90Exxxx	Simple Database library
B90E0001	Simple Database library memory allocation failed
B90E0002	Simple Database library database file does not exist
B90E0003	Simple Database library record not found
B90E0004	Simple Database library record already exists

Code	Description
B90E0005	Simple Database library corrupted database file
B90E0006	Simple Database library bad database handle
B90E0007	Simple Database library bad info structure
B90E0008	Simple Database library bad data length
B90E0009	Simple Database library locking failed
B90E1xxx	Simple Database library open failed
B90E2xxx	Simple Database library creat failed
B90E3xxx	Simple Database library lseek failed
B90E4xxx	Simple Database library read failed
B90E5xxx	Simple Database library write failed
B90E6xxx	Simple Database library creating mutex failed
B90Fxxxx	P11 admin library
B90F0001	P11 admin library memory allocation error
B90F0002	P11 admin library invalid parameter
B90F0003	P11 admin library insufficient buffer size
B90F0004	P11 admin library invalid key type
B90F0005	P11 admin library unable to open / create file
B90F0006	P11 admin library invalid mechanism
B90F0007	P11 admin library invalid key length
B90F1xxx	P11 admin library OpenSSL section
B90F2xxx	P11 admin library PKCS#11 section
B910xxxx	CryptoServer 2000 keytool
B9101xxx	CryptoServer 2000 keytool Module card
B9101001	CryptoServer 2000 keytool Buffer overrun
B9101002	CryptoServer 2000 keytool Wrong or missing input parameter
B9101003	CryptoServer 2000 keytool Bad PIN repeatitaton
B9101004	CryptoServer 2000 keytool Number of PIN retries expired

Code	Description
B9101005	CryptoServer 2000 keytool Null PIN is active, change the PIN
B9101006	CryptoServer 2000 keytool Record length to big
B9101007	CryptoServer 2000 keytool Tag check of sc file or secret key file member failed
B9101008	CryptoServer 2000 keytool Out of memory
B910100B	CryptoServer 2000 keytool Backupbuffer overflow
B910100D	CryptoServer 2000 keytool Length of file read too short
B910100E	CryptoServer 2000 keytool Hash value of the key file failed
B910100F	CryptoServer 2000 keytool No valid restore device selected
B9101010	CryptoServer 2000 keytool Action canceled
B9101011	CryptoServer 2000 keytool Undefined directory selected
B9101012	CryptoServer 2000 keytool Hash value of the key failed
B9101013	CryptoServer 2000 keytool Record length invalid
B9101014	CryptoServer 2000 keytool No valid PIN, action canceled
B91011xx	CryptoServer 2000 keytool Pinpad function
B9101101	CryptoServer 2000 keytool Pinpad function Pinpad open function failed
B9101102	CryptoServer 2000 keytool Pinpad function Get key function failed
B9101103	CryptoServer 2000 keytool Pinpad function Password verify function failed
B9101104	CryptoServer 2000 keytool Pinpad function Reset function failed
B9101105	CryptoServer 2000 keytool Pinpad function Get num function failed
B9101106	CryptoServer 2000 keytool Pinpad function Change PIN function failed
B9101107	CryptoServer 2000 keytool Pinpad function Set Permanent function failed
B9101108	CryptoServer 2000 keytool Pinpad function Select function failed

Code	Description
B9101109	CryptoServer 2000 keytool Pinpad function Select master RSA function failed
B910110A	CryptoServer 2000 keytool Pinpad function Read record function failed
B910110B	CryptoServer 2000 keytool Pinpad function Append record function failed
B910110C	CryptoServer 2000 keytool Pinpad function Overwrite record function failed
B910110D	CryptoServer 2000 keytool Pinpad function Read binary function failed
B910110E	CryptoServer 2000 keytool Pinpad function Update binary function failed
B91012xx	CryptoServer 2000 keytool Floppy disk function
B9101201	CryptoServer 2000 keytool Floppy disk function Mount of floppy disk failed
B9101202	CryptoServer 2000 keytool Floppy disk function Open backupfile on floppy disk failed
B9101203	CryptoServer 2000 keytool Floppy disk function File open error (restore)
B9101204	CryptoServer 2000 keytool Floppy disk function Backup on floppy disk write error
B9101205	CryptoServer 2000 keytool Floppy disk function Read at floppy disk failed
B911xxxx	CryptoServer API csrkmg
B9110001	CryptoServer API csrkmg memory allocation error
B912xxxx	Host Service Daemon
B9120001	Host Service Daemon memory allocation error
B9120002	Host Service Daemon error on WSASStartup
B9120003	Host Service Daemon error on WSACleanup
B9120004	Host Service Daemon err creating mutex
B9120005	Host Service Daemon error creating socket
B9120006	Host Service Daemon socket creating error

Code	Description
B9120007	Host Service Daemon timeout
B9120008	Host Service Daemon connection was terminated
B9120009	Host Service Daemon invalid cmds data length
B912000A	Host Service Daemon invalid cmds header length
B912000B	Host Service Daemon invalid argument
B912000C	Host Service Daemon binding socket failed
B912000D	Host Service Daemon listen failed
B912000E	Host Service Daemon setsockopt failed
B912000F	Host Service Daemon bad configuration
B9120010	Host Service Daemon protocol error
B9120011	Host Service Daemon unable to load auxiliary library
B9120012	Host Service Daemon unable to create mutex
B9120013	Host Service Daemon unable to lock mutex
B9120014	Host Service Daemon unable to unlock mutex
B9120015	Host Service Daemon timeout while trying to lock mutex
B9120016	Host Service Daemon invalid device state
B9121xxx	Host Service Daemon select error
B9122xxx	Host Service Daemon receive error
B9123xxx	Host Service Daemon send error
B9124xxx	Host Service Daemon control module
B9124001	Host Service Daemon wrong subfunction code
B9124002	Host Service Daemon bad control command
B9124003	Host Service Daemon authentication failed
B9124004	Host Service Daemon bad CryptoServer answer
B9124005	Host Service Daemon invalid parameter
B9125xxx	Host Service Daemon init failed

Code	Description
B913xxxx	CryptoServer API cssl
B9130001	CryptoServer API cssl memory allocation error
B9130002	CryptoServer API cssl input buffer too small for result
B9130003	CryptoServer API cssl too many answer bytes
B9130004	CryptoServer API cssl bad structure of cs answer
B9130005	CryptoServer API cssl bad len of public exponent
B9130006	CryptoServer API cssl asn.1 item not found
B9130007	CryptoServer API cssl asn.1 structure too large
B9130008	CryptoServer API cssl bad parameter
B914xxxx	Mail Library
B9140010	Mail Library invalid version of MailSendData struct
B9140011	Mail Library no bodyfile given
B9140012	Mail Library no subject given
B9140013	Mail Library no from given
B9140014	Mail Library no recipient given
B9140015	Mail Library wrong buffer size
B9140016	Mail Library memory allocation error
B9140017	Mail Library bad server response
B9140018	Mail Library unable to create file
B9140019	Mail Library unable to open file
B914001A	Mail Library no password given
B914001B	Mail Library no username given
B914001C	Mail Library invalid socket
B9141001	Mail Library can't initialize socket
B9141002	Mail Library bad tcp address
B9141003	Mail Library bad hostname
B9141004	Mail Library timeout occurred

Code	Description
B9141005	Mail Library connection terminated by host
B9141006	Mail Library memory allocation error
B9142xxx	Mail Library can't create socket
B9143xxx	Mail Library connect failed
B9144xxx	Mail Library select error
B9145xxx	Mail Library receive error
B9146xxx	Mail Library send error
B918xxxx	Signature Server SC API
B9180001	Signature Server SC API memory allocation error
B9180002	Signature Server SC API invalid parameter
B9180003	Signature Server SC API bad answer length
B9180004	Signature Server SC API bad hash algo
B9180005	Signature Server SC API no user configured
B9180006	Signature Server SC API user not found
B9180007	Signature Server SC API bad hash value
B9180008	Signature Server SC API unable to load library
B9180009	Signature Server SC API missing signer certificate
B918001x	Signature Server SC API PKCS#7 section
B9180010	Signature Server SC API message contains no content
B9180011	Signature Server SC API bad message type
B9180012	Signature Server SC API bad PKCS#7 structure
B9180013	Signature Server SC API unsupported version
B9180014	Signature Server SC API unsupported algorithm
B9180015	Signature Server SC API unsupported certificate structure
B9180016	Signature Server SC API unsupported message type
B9180017	Signature Server SC API unsupported content type

Code	Description
B9180018	Signature Server SC API unsupported signer count
B9180100	Signature Server SC API not yet implemented
B9181xxx	Signature Server SC API SafeGuard Toolkit
B9181001	Signature Server SC API invalid parameter 1
B9181002	Signature Server SC API invalid parameter 2
B9181003	Signature Server SC API invalid parameter 3
B9181004	Signature Server SC API invalid parameter 4
B9181005	Signature Server SC API invalid parameter 5
B9181006	Signature Server SC API invalid parameter 6
B9181007	Signature Server SC API invalid parameter 7
B9181008	Signature Server SC API invalid parameter 8
B9181009	Signature Server SC API invalid parameter 9
B9181018	Signature Server SC API memory allocation error
B919xxxx	GSM library
B9190001	GSM library invalid parameter: port
B9190002	GSM library invalid parameter: pin
B9190003	GSM library invalid parameter: smsc
B9190004	GSM library invalid parameter: phone
B9190005	GSM library invalid parameter: message
B9190006	GSM library invalid command length
B9190008	GSM library GSM device error
B9190009	GSM library unable to set SMSC
B919000A	GSM library unable to set ASCII mode
B919000B	GSM library unknown answer from GSM device
B919000C	GSM library invalid PIN
B919000D	GSM library invalid PUK

Code	Description
B919001x	GSM library registration error
B91Axxxx	database library
B91A0001	database library memory allocation failed
B91A0002	database library DBD version too small
B91A0101	database library creating mutex failed
B91A0102	database library locking mutex failed
B91A0103	database library unlocking mutex failed
B91Bxxxx	Database Daemon
B91B0001	Database Daemon memory allocation error
B91B0002	Database Daemon error on WSAStartup
B91B0003	Database Daemon error on WSACleanup
B91B0004	Database Daemon err creating mutex
B91B0005	Database Daemon error creating socket
B91B0006	Database Daemon socket creating error
B91B0007	Database Daemon timeout
B91B0008	Database Daemon connection was terminated
B91B0009	Database Daemon invalid cmds data length
B91B000A	Database Daemon invalid cmds header length
B91B000B	Database Daemon invalid argument
B91B000C	Database Daemon binding socket failed
B91B000D	Database Daemon listen failed
B91B000E	Database Daemon setsockopt failed
B91B000F	Database Daemon bad configuration
B91B0010	Database Daemon protocol error
B91B0011	Database Daemon unable to load auxiliary library
B91B1xxx	Database Daemon select error
B91B2xxx	Database Daemon receive error

Code	Description
B91B3xxx	Database Daemon send error
B91B4xxx	Database Daemon control module section
B91B4001	Database Daemon wrong subfunction code
B91B4002	Database Daemon bad control command
B91Cxxxx	CryptoServer PKCS11 API
B91C0000	CryptoServer PKCS11 API CryptoServer comand size exceeded
B91C0001	CryptoServer PKCS11 API Unknown authentication method
B91C0002	CryptoServer PKCS11 API Invalid authentication credentials
B91C0003	CryptoServer PKCS11 API Unknown hash algorithm
B91C0004	CryptoServer PKCS11 API Malformed answer of CryptoServer
B91C0005	CryptoServer PKCS11 API Number of login strings ; 2
B91C0006	CryptoServer PKCS11 API Login string too long
B91C0007	CryptoServer PKCS11 API Invalid login string
B91C0008	CryptoServer PKCS11 API CryptoServer handle lost
B91Dxxxx	PinPad API
B91D0001	PinPad API memory allocation failed
B91D0002	PinPad API invalid PinPad type
B91D0003	PinPad API no device found
B91D0004	PinPad API bad device name
B91D0005	PinPad API too may open connections
B91D0006	PinPad API bad handle
B91D0007	PinPad API invalid parameter
B91D0008	PinPad API requested feature is not supported
B91D0009	PinPad API connection is not open
B91D000A	PinPad API timeout occurred
B91D000B	PinPad API action canceled
B91D000C	PinPad API invalid data length

Code	Description
B91D000D	PinPad API bad pin repetition
B91D000E	PinPad API invalid buffer size
B91D000F	PinPad API protocol error
B91D0010	PinPad API bad ICC state
B91D0011	PinPad API bad data length returned from ICC
B91D0012	PinPad API bad response recieved from ICC
B91D0013	PinPad API no smartcard inserted
B91D0020	PinPad API USB driver is not running
B91D0021	PinPad API USB open failed
B91D0022	PinPad API USB write failed
B91D0023	PinPad API USB read failed
B91D0024	PinPad API USB is not available
B91D0030	PinPad API bad input
B91D0031	PinPad API access denied
B91D0032	PinPad API no reader connected
B91D1xxx	PinPad API PC/SC
B91D2xxx	PinPad API MKT
B91D3xxx	PinPad API CP8
B91D4xxx	PinPad API ACR80
B91D5xxx	PinPad API libusb
B91D6xxx	PinPad API CCID
B91D7xxx	PinPad API cyberJack
B91E0xxx	PinPad API copa Config Parser
B91E0000	PinPad API Cant open/access configuration file
B91E0100	PinPad API line from input file to long
B91E0101	PinPad API No matching] found

Code	Description
B91E0102	PinPad API No = after variable found
B91E0103	PinPad API No value for variable after = found
B91E0104	PinPad API No Matching ör' found
B91E0105	PinPad API No valid Hex Number after \$
B91E0106	PinPad API not all hex codes are two byte
B91E0107	PinPad API No Value in List found
B91E0108	PinPad API second char after \$ is no valid hex value
B91E0109	PinPad API One of the list elements it not in the config file
B91E0110	PinPad API One of the config file elements it not in the list
B91E0111	PinPad API Value is not a Boolean value
B91E0112	PinPad API Value is not an Integer number
B91E0113	PinPad API Char in String is non printable
B91Fxxxx	OpenSSL Engine API for cng
B91F0001	OpenSSL Engine API for cng Invalid parameter
B91F0002	OpenSSL Engine API for cng Memory allocation failed
B91F0003	OpenSSL Engine API for cng Invalid key specifier
B91F0004	OpenSSL Engine API for cng Key specifier missing
B91F0005	OpenSSL Engine API for cng Password missing
B91F0006	OpenSSL Engine API for cng No CryptoServer address set
B91F0007	OpenSSL Engine API for cng Input length too short
B91F0008	OpenSSL Engine API for cng Bad structure of CryptoServer answer
B91F0009	OpenSSL Engine API for cng not enough login parameters in INI file
B91F000A	OpenSSL Engine API for cng unknown authentication mechanism
B91F000B	OpenSSL Engine API for cng unknown hash algorithm
B91F000C	OpenSSL Engine API for cng wrong public exponent on rsa generate
B920xxxx	CryptoServer Core API Cxi
B9200001	CryptoServer Core API Cxi memory allocation failed

Code	Description
B9200002	CryptoServer Core API Cxi invalid parameter
B9200003	CryptoServer Core API Cxi invalid parameter length
B9200004	CryptoServer Core API Cxi parameter out of range
B9200005	CryptoServer Core API Cxi buffer size too small
B9200006	CryptoServer Core API Cxi invalid answer length
B9200007	CryptoServer Core API Cxi invalid format of answer data
B9200008	CryptoServer Core API Cxi unterminated string
B9200009	CryptoServer Core API Cxi string conversion failed
B920000A	CryptoServer Core API Cxi object/item not found
B920000B	CryptoServer Core API Cxi compare failed
B920000C	CryptoServer Core API Cxi invalid algorithm
B920000D	CryptoServer Core API Cxi invalid state
B920000E	CryptoServer Core API Cxi file error
B920000F	CryptoServer Core API Cxi user does not exist
B940xxxx	CryptoServer API
B9400001	CryptoServer API overflow of bchar (x) data type
B9400002	CryptoServer API overflow of vchar (x) data type
B9400003	CryptoServer API bad size of answer block
B9400004	CryptoServer API data block too big
B9400005	CryptoServer API can't alloc memory
B9400006	CryptoServer API bad size of vinteger (x) data type
B980xxxx	java CryptoServer API
B9800001	java CryptoServer API Connection terminated by remote host
B9800002	java CryptoServer API Bad block length received
B9800003	java CryptoServer API Bad answer length
B9800004	java CryptoServer API Bad tag of answer block
B9800005	java CryptoServer API Too many authentications

Code	Description
B9800006	java CryptoServer API Bad length of password
B9800007	java CryptoServer API Can't translate user name
B9800008	java CryptoServer API Hash algo not available
B9800009	java CryptoServer API Could not get challenge
B980000A	java CryptoServer API JCE Provider not found
B980000B	java CryptoServer API JCE Key Exception
B980000C	java CryptoServer API JCE Exception
B980000D	java CryptoServer API Secure Messaging failed
B980000E	java CryptoServer API Unknown SM mode
B980000F	java CryptoServer API Bad session key decryption
B9800010	java CryptoServer API JNI Interface Error
B9800011	java CryptoServer API Bad parameter
B9800012	java CryptoServer API Missung authentication
B9800013	java CryptoServer API Unsupported encoding
B9800014	java CryptoServer API Invalid data length
B9800015	java CryptoServer API Can't decrypt key file
B98001xx	java CryptoServer API RSA Key class
B9800101	java CryptoServer API RSA Key class Malformed RSA Key file
B9800102	java CryptoServer API RSA Key class Decryption failed
B981xxxx	Java CryptoServer API CXI
B9810001	Java CryptoServer API CXI bad key name
B9810002	Java CryptoServer API CXI key name required for internal storage
B9810003	Java CryptoServer API CXI internal charset converting error
B9810004	Java CryptoServer API CXI bad key token
B9810005	Java CryptoServer API CXI malformed answer block of CryptoServer

Code	Description
B9810006	Java CryptoServer API CXI bad key attributes from CryptoServer
B9810007	Java CryptoServer API CXI bad algorithm
B9810008	Java CryptoServer API CXI bad user name
B9810009	Java CryptoServer API CXI missing device entry
B981000A	Java CryptoServer API CXI key component not found
B981000B	Java CryptoServer API CXI bad ECC parameter
B981000C	Java CryptoServer API CXI ASN.1 decoding error
B981000D	Java CryptoServer API CXI no EC parameter data available
B981000E	Java CryptoServer API CXI no output IV available
B981000F	Java CryptoServer API CXI firmware version too small