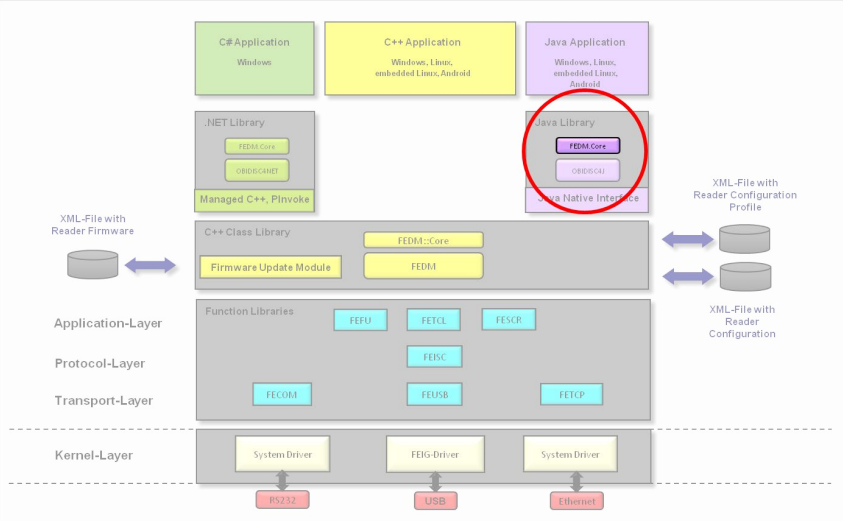
IDENTIFICATION

RELEASE NOTES

ID ISC.SDK.xxx for Java

History of Revisions



Operating System with installed JRE5 or higher	Target 32-Bit	Target 64-Bit	SDK Name	Notes
Windows Vista / 7 / 8 / 10	X	X	ID ISC.SDK.Java	
Linux	X	X	ID ISC.SDK.Java	Other than Intel CPU on request
Raspberry Pi 3 and 4	X	-	ID ISC.SDK.Raspi	Raspbian OS (Stretch and Buster)
Android	X	X	ID ISC.SDK.Android	Android 6.0 (API level 23) or higher

Note

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This manual supercedes all previous editions.
The information contained in this manual is subject to change without notice.

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The installation instructions given in this manual are based on advantageous boundary conditions. FEIG ELECTRONIC GmbH does not give any guarantee promise for perfect function of an *IDENTIFICATION*-system in cross surroundings.

General Information Regarding this Document

- The following figure formats are used:
  0...9: for decimal figures
  0x00...0xFF: for hexadecimal figures,
  b0...1 for binary figures.
- The hexadecimal value in brackets "[ ]" marks a command.

Content

History of Revisions

05.06.00 (2021-05-21)

General

- Support for new reader types ECCO Smart HF-BLE and ECCO Smart 2D-HF-BLE

Features

- Updated Config Parameters for some Readers

Changes

-

Bug fixes

-

Improvements

-

Discontinued Support

05.05.02 (2020-07-15)

General

- Support for Raspberry Pi 3 Stretch and Buster
- Support for Raspberry Pi 4 Buster

Features

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Changes

-

Bug fixes

- Bugfix in library FEISC for of a race condition, when multiple threads are used for controlling multiple readers.
- Bugfix in library FEISC for using the call order **FEISC_BuildSendProtocol**, **FEISC_SendProtocol** and **FEISC_SplitRecProtocol** in combination with protocol encryption.

Improvements

-

Discontinued Support

- Raspberry Pi 2
- Raspberry Pi Jessie operating system

05.05.01 (2020-05-28)

General

Features

Changes

Bug fixes

- bugfix for occational crashes in IBrmTable.getItemByIndex, caused by an uninitialized boolean variable

Improvements

Discontinued Support

05.05.00 (2020-05-11)

General

- Support for new Scanner: **ID HyWEAR compact xT**
- Support for new Reader: **ID SPAD.U**
- Support for new Reader: **ID CPR71**

Features

- Updated Config Parameters for some Readers

Changes

Bug fixes

- bugfix for DAT concerning cascade level

Improvements

- Improved support for ID CPR60

Discontinued Support

05.04.01 (2020-02-04) – Android only

General

-

Features

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Changes

-

Bug fixes

- Fix FEUSB version mismatch

Improvements

-

05.04.00 (2019-11-15)

General

- Support for new Scanner: **ID ECCO+**

Features

- Updated Config Parameters for some Readers

Changes

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Bug fixes

-

Improvements

- After call of Reboot(), the Inventory Table is cleared.
- Extend **TH_ISO15693_STM_ST25DVxxK** class with [0xBF] Transparent Commands for Readers not supporting [0xB1] Custom Commands for ST25DVxxK.
- Prepared for new Windows 10 certified USB Kernel Driver v3.26

Discontinued Support

- End of support for the following Readers:
  ID ISC.MR200
  ID ISC.LR200
  ID ISC.LR2000
  ID ISC.MRU200
  ID ISC.LRU1000
  ID ISC.LRU2000
- End of support for the following Transponder chips:
  IDS SL900A
  IDS SL13A
  KSW
  Maxim MAX66000 series

05.02.00 (2019-03-15)

General

- Support for new Scanner: **ID HyWEAR compact**
- Support for new Readers: **ID LRU500i-PoE**, **ID LRU500i-BD** and **ID MAX.U500i**
- **SDK.Raspi**: support for **Stretch OS**.

Features

- TagHandler class **TH_ISO15693:** New communication methods for ISO 15693-3
  1. readMultipleBlocksEx
  2. writeMultipleBlocksEx
  3. lockMultipleBlocksEx
  4. getSystemInformationEx
  5. getMultipleBlocksSecurityStatusEx
- New static methods in **Const.ReaderType**: isISO15693Reader, isISO14443Reader, isISO180003m3Reader, isEpcC1G2Reader. These methods are also added as non-static to **IInfoGroup.ReaderInfo**.

Changes

- TagHandler class **TH_ISO15693:** GetSystemInformation has new signature.
- TagHandler class **TH_ISO15693_STM_M24LR64R:** the following communication methods are removed and replaced in TH_ISO15693:
  1. ReadMultipleBlocks
  2. WriteMultipleBlocks
  3. LockMultipleBlocks
  4. GetMultipleBlocksSecurityStatus

Bug fixes

- **IBrmTableGroup.BrmTableItem.RssiSector.GetRSSI()**: return now from all antennas

Improvements

-

05.01.03 (2019-02-11)

General

- Release only for Windows

Features

- First support for ID HyWEAR compact

Bug fixes

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Improvements

-

05.01.00 (2018-08-15)

General

- Release only for Android

Features

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Bug fixes

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Improvements

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05.00.00 (2018-07-27)

General

- Release of new API

Features

- TagHandler class **TH_ISO15693:** New communication method TransparentCommand for [0xBF] Transparent Command.
- Class **BrmTableItem:** Support for Tag Statistics for UHF Readers.
- Support for Extended Devices/Function Units.

Changes

- TagHandler class **TH_ISO15693** and **TH_EPC_Class1_Gen2:** Communication methods Authenticate and Challenge modified according the modifications in the Reader firmware.

Bug fixes

-

Improvements

-

05.00.00 (2018-07-06) – Beta-Version for Android

General

- Release of new API
- The USB communication stack for Android is redesigned with Java code and currently not finalized and less tested

Features

- TagHandler class **TH_ISO15693:** New communication method TransparentCommand for [0xBF] Transparent Command.
- Class **BrmTableItem:** Support for Tag Statistics for UHF Readers.
- Support for Extended devices (not applicable with Android).

Changes

- TagHandler class **TH_ISO15693** and **TH_EPC_Class1_Gen2:** Communication methods Authenticate and Challenge modified according the modifications in the Reader firmware.

Bug fixes

- No fixes

Improvements

- No rooted Android targets necessary for USB communication

04.09.02 (2018-03-20) – 4th Beta

Features

- No new features

Changes

- Repeat of DAT commands after a delay, when the call failed with timeout.

Bug fixes

- Linux: Bugfix for USB communication with PR101/MR101/PRH101
- TH_EPC_Class1_Gen2.getEpcOfIDD: Control of length information from PC

Improvements

- Correction of inline documentation for IFwUpdListener.onNewFwUpdMessage

04.09.00 (2017-09-29) – 3rd Beta

Features

- Class **ReaderModule**
  - Add of communication methods Reboot, RfReset, RfOff, RfOn, SetOutput, GetInput, SetSystemClock, GetSystemClock, ReaderLogin.
  - Add of new internal interface IKeyMngGroup.
- Class **IBrmTableGroup**
  - Add of communication methods ReadBuffer, ClearBuffer, InitializeBuffer and GetBufferInfo.
- New class **IKeyMngGroup** with communication methods for setting authentication passwords.
- New **TagHandler** classes for:
  - STM ST25DV04K and STM ST25DV16/64K
  - NXP ICODE DNA
  - NXP ICODE SLIX2
- TagHandler class **TH_EPC_Class1_Gen2**
  - New communication methods Select, Untraceable, Authenticate, Challenge and ReadBuffer accoding EPC class1 gen2 standard v2.0.1 and ISO/IEC 29167-x.
- TagHandler class **TH_ISO15693**
  - New communication methods Authenticate, Challenge and ReadBuffer accoding ISO/IEC 15693-3 Amd4 and ISO/IEC 29167-x.
- New **Utility class** OutputSettings.

Changes

- Updated Reader Configuration namespaces in ReaderConfig.
- For ID ISC.LRU1002: Phase Angel feature for Host-Mode, Buffered-Read-Mode and Notification-Mode.
- Class **ReaderModule**
  - Remove of internal interface IExtDeviceGroup. This interface will come back later.
- Class **BrmTableItem**
  - Table elements moved into sectors. This design is close to the configured data flow from the Reader.
- Adaptions in **TH_ISO14443_4** due to modifications in base library FETCL.
- TagHandler class **TH_EPC_Class1_Gen2**
  - WriteEPC supports EPC length of 0 (zero).

Bug fixes

- TagHandler class **TH_ISO14443_4_MIFARE_Plus_SL3**
  - All Read methods returns data from internal Rx buffer instead of internal Tx buffer.

04.08.01 (2017-06-08) – 2nd Beta

Improvements

- Thread-safeness improved in JNI wrapper.

04.08.00 (2017-05-02) – 1st Beta

Features

- First beta of a new API on top of the old FEDM Java library.