TELIUM SDK

SDK6.6 Release Note

Reference: ICO-ETU-09-0815-PP
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To: All SDK users

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1. PURPOSE OF THE DOCUMENT

This document describes the evolutions since the SDK6.5.3 which is the previous one.

2. TERMINALS COMPATIBILITY

2.1 CGUI

CGUI (Color and Graphic User Interface) is included in this release.

2.2 TELIUM 1

The following terminals are compatible with this SDK release:

- EFT30
- EFT SMART
- TWIN
- UCM
- ML30
- CAD30
- SMART2

2.3 TELIUM 2

The following terminals are compatible with this SDK release:

- ICT220
- ICT250 is managed with extension cards. Only the following are currently managed (only one feature available by option):
  - Card option 1 : SCR2 (=CAM2)
  - Card option 2 : GPRS / µSD / Contactless
  - Card option 5 : µSD / 2nd RS232
- SPM

2.4 HANDHELD TERMINALS

This SDK is compatible with these products:

- EFT930
- EFT930 BL2
  - GPRS,
  - GPRS Contactless,
  - GPRS Color,
  - GPRS Contactless Color;
  - Bluetooth,
  - Bluetooth Contactless,
  - Bluetooth Color;
  - EFT930 BCC (Bluetooth Color Contactless).

3.   HIGHLIGHTED POINTS

3.1   ISC350

The ISC350 is not managed by this package. For this terminal you need to use the SDK 7.0 Preliminary 2 for ISC350.

3.2   DIR SYSTEM VERSION DOWNGRADE

It is not possible to downgrade from a system managing directories (catalogue XXX_DIR.mYY) to a system which not manage directories (catalogue XXX.mYY).

3.3   EFT930BL2 SYSTEM VERSION DOWNGRADE

It is not possible to downgrade from the EFT930 BL2 system version embedded in the SDK 6.4.2 (or newer), to an older one. This downgrade is blocked. It is due to a change of the time base (1 s to 125 ms).

3.4   SERVICE NUMBERS

Service numbers from 1 to 100 and from 7680 à 8191 are reserved for Ingenico internal use.

3.5   DOCUMENTATION

The folders under <Your Install Directory>\Document have changed. Now, most part of the documentation is inside the file SDK_TELIUM.chm.

3.6   EFT930 WHICH EMBED 8MO OF FLASH

It is not possible to use this SDK on EFT930 which have only 8 Mo of flash.

4. TELIUM SYSTEM

New version of Telium System: **08.44**.

Following points are delivered in this release.

4.1 RKI INGETRUST 930 BL2, SMART2/ML30, PP30S AND P30

4784   Possibility added to store a TLS key as pin code.

4.2 ZKA : ICT2XX/SPM, 930 BL2, SMART2/ML30, PP30S AND P30

6005, 6029   Clear PinCode on TimeOut added

6006   OS integrity auto test added

6007,6031,6215   Security improved during the OS update

4.3 ICT2XX

5779   Only keys change of state emitted (as it is done for 930)

5986   Flash access improvement if an IT is raised during the operation

6138   Colour display type added to distinguish ISC350 and ICT250

6140   New version of colour driver integrated

6161   Integration of Motorola V34 modem evolution

4.4 EFT30, SMART AND EFT930

4507   In mock-up mode, possibility added to erase all the secret area excepted the pinpad secret

4.5 EFT930 BL2

6114   Mifare4K contactless cards management added

6189   Contactless detection delay improved

4.6 ML30/SMART2 BOOSTER 2 SYSTEM

5255   Fioctl added to check if a smart card is powered on

5294   Fixed display problem in the mock up header : bitmap was sometimes display in the mockup header

5467   InterUC reiteration is now 200 ms

5735   At start up the terminal was stuck when contactless didn't answer or was not present

6114   Mifare4K contactless cards management added

6152   Only keys change of state emitted (as it is done for 930)

6189   Contactless detection period improved

6272   Possibility added to do an automatic IFS request in ISO7816 mode

4.7 P30 AND PP30S SYSTEMS

4695   USB performance improved

5089   Sesam Vitale card (French healthcare) IGEA 350 reading problem solved

6423   P30 CAM with NCN problems fixed

4.8 THUNDER

4.8.1 USB

5753   Controls signal managed for keyspan

6013   There was sometimes a reset on fclose (COM21)

6243   Return of status() after fopen() was wrong

6274   For keyspan and FTDI data were not returned to the application after fclose() + fopen()

6297   Driver CDC for CAD30-UCI

4.8.2 GPRS

6304   Problem of POK management fixed

4.8.3 VFS

5822   Data writing improved if there is a reset

4.8.4 Thunder system

5212   Back up during a power cut was KO if a garbage collector was in progress

5376   Thunder 3 drivers were accepted by Thunder 2

5640   CTAP system implementation

5820   ML30-WebPOS implementation

5821   Diagnostic added to know the active IT during a power cut

5824   Flash manager improved

5881   Possibility added to define dynamically flash formatting

5995   ISO123 reading improved

6023   On printer, bold string could have been truncated in the middle of character

6082   Correction of RegisterPowerfailure() returns

6120   After an empty battery state, 930G was not able to start when a barcode was connected

6199   It was not possible to load with LLT a 930G connected to an Ethernet base

6218   Ingetrusted locked implemented for Telium

6267   Pinpad IPP2XX managed for Telium1 an 2

6336   SystemFioctl SYS_FIOCTL_WHERE_IS_CLESS added to know if the contactless is implemented in the Booster or in the Thunder

6339   There were sometimes, BC06 GPRS terminals blocked

6361   Large files writing on µSD improved

6452	Bluetooth diagnostic ticket simplified
6156	For CTAP, security application must include a specific scheme to be accepted by Telium System
5991	Possibility to have the backlight if battery is low (configuration file used)
1996	Restart of DCHP negotiation added if the Ethernet link is re-plugged
6415	ISO3 reading for a specific project
6342	IPP3x type detection added
6442	Fixed phase 7 error in the activation application
6429	Orphan files are now removed in the system disk
6430	V29 FC communication problem fixed

4.9   CAD30 UCR - UCM

6432	Some bytes were lost during a diagnostic or configuration printing
6435	Optimisation of the RAM used by the external printer driver

4.10   HANDHELD TERMINALS / INTELLIGENT BASES

6436	Base download problem solved

4.11   BLUETOOTH HANDHELD TERMINALS

5120	When there was no system pack in the base, the version uploaded was 99.99
5203	Fix to avoid conflicts between Bluetooth and MMC on new Bluetooth (BC06) devices.

5.   TELIUM MANAGER

New version of Telium Manager: **55.00**.

Following points are delivered in this release.

6344	CAPS ON/OFF was impossible when calling G_Saisie_Etendue
6157	Unwanted image was printed by pprintf8859 after the printing of a logo with defprinterpattern
6291	Message management didn't work during a remote download
6349	Wrong function used by he Manager to determine if embedded cless is present or not
6444	There was a reset when shortcut F49 was ran
6453	Catalogue CGUI MOCKUP created : they have to be used during development if the Ingedev CGUI Preview tool is used
6076	Message "No TEL FAI (IP/RTC)" display problem fixed
5340	Removed contrast menu on Color Terminals
6109	New payment type in the protocol F, POS protocol
6335	Value added to define if a manager compliant with CGUI
6122	Touch screen management
6160	Manager parameter file for ICT250 and ISC350 have now different names

4534	Simulation of F1 F2 F3 F4 keys for terminal not having physical F1 F2 F3 F4 keys
5308	If CGUI DLL is not in the terminal, the Manager works now like before
5480	It is now possible to manage 10 numbers amount
5721	IDSA added (IDSA is a identifier sent by the bank server)
5743	G_List_Entry() can now manage 99 items
5807	There was a crash when printing big bitmap
5816	A ML30 can now be connected to a webPOS, ML30 can be used in full IP mode
6124	Problem of DLL Crypto re-opening after closing fixed
6143	ZKA activation didn't work on 930 Bluetooth
6145	Colour display improvement
6203	Specific hardware type for ICT GPRS

6. CGUI
New version of CGUI: **01.07**.
CGUI is now provided natively in the SDK.
The Mock-up manager catalogue has to be loaded only to use the Ingedev CGUI Preview tool.

| 5435 | Some files were not found in the TAR archives |
| 6399 | Numbering of the DLLs updated |

7. DLL SECURITY
No evolution: version of DLL Security is: **03.10**.

8. DLL HARDWARE
No evolution: version of DLL Hardware is: **02.32**.

9. SCHEMES
No evolution: version is **03.06**.

10. LINKLAYER
No evolution: version of Link Layer is: **03.10**.

11. PACK IP
No evolution: version of Pack IP is: **03.05**.

12. FTP
No evolution: version of FTP is: **01.17**.

13. SSL
No evolution: version of SSL is: **01.48**.

14. AVL (ADDED VALUE LIBRARIES)
No evolution: version of AVL: **01.07**.

15. SDK

15.1 FONTS

No evolution: version of the fonts is: **01.09**.

15.2 SIMULATOR

New version of the Simulator: **02.06**.

[END OF DOCUMENTATION]