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Approbation de la révision / *Revision Approval* : **A**		
	Nom *Name*	**Fonction** *Function*
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Révision *Issue*	**Date de validité / d'application** *Validity/application date*	**Nb de pages** *Nb of pages*	**Nb de pages annexes** *Nb of appendices*	**Objet et description de la modification** *Object and description of modification*
A	July 2009			Release SDK 6.4

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doit être vérifiée, avant usage, dans le répertoire "Docs Applicables" de PRISMA Programmes.

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1 DESCRIPTION

This document describes the evolutions between the SDK6.4 preliminary version and this SDK6.4 official version.

2 TERMINALS COMPATIBILITY

The following terminals are compatible with this SDK release:

2.1 TELIUM 1

- EFT30
- EFT SMART
- EFT930
- TWIN
- UCM
- ML30
- CAD30
- SMART2
- MR40
- EFT930 BL2
    - GPRS,
    - GPRS Contactless,
    - GPRS Color,
    - GPRS Contactless Color;
    - Bluetooth,
    - Bluetooth Contactless,
    - Bluetooth Color;
    - EFT930 BCC (Bluetooth Color Contactless) is new in this release.

2.2 TELIUM 2

- 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

3 TELIUM SYSTEM

Following points are delivered in this release.

3.1 TELIUM GENERIC

FT4868	Allow to manufacturer application to run VAR-signed scheme
FT4955	Added fioctl SYS_FIOCTL_GET_TERMINAL_TYPE
FT5045	Correction of the Modem Stack overflow en mode V29FC
FT5073	Correction of the access to null pointer NULL in user_api.c
FT5079	Decrease of the delay (10ms instead of 1s) between two readings when USB FIFO is full. **MANDATORY WITH BIO TERMINALS**
FT5199	TMS call failed when RAM used was just below 8 Mo.
FT5204	Number of forkable tasks is now 64 instead of 41.

3.2 TELIUM 1

FT4909	It was not possible to load an unsigned component in mock-up

3.3 TELIUM 2

FT5039	Correction of the problem if contactless is parameterized on serial link
FT5070	Mismanagement of the resizing of an area previously created by RegisterPowerFailure
FT5071	Start of the HILO improved for ICT and EFT930S (IO management modified)

3.4 930 S

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3.5 HANDHELD TERMINALS

FT4465	USB symbol didn't appear when the terminal was connected to a peripheral with a consumption over 100 mA
FT5010	Correction of the problem of unload of battery (printing became slower)

3.6 930 BLUETOOTH

FT5105	ELC930 didn't work very well with a Bluetooth configuration

3.7 EFT930 BL2

FT4612	Display latencies with WGUI
FT5008	Correction of the reset due to the CLess drivers optimisations
FT4966	SHA256 added in Booster 2 systems
FT5088	Booster 2 was blocked after battery pulled out
FT5089	Correction of the problem of Vitale IGEA 340 card
FT5137	Consumption improved
FT5138	Function used to know if a terminal is in mockup mode didn't work on EFT930BL2

3.8 MR40

FT3718 Reset after a EMV APDU command was sent to the BL2 CAM (NACK was only received on InterUc)
FT5005 MR40 was sometimes blocked after a light sleep
FT5009 Light sleep counter added
FT5117 After a deep sleep, the swipe was not read
FT4814 Correction of the problem when the terminal goes into sleep just after a swipe reading

3.9 PINPAD PPS30 AND P30

FT4440 Optimisation of the timings performance for P30 Cless
FT4487 Periodical re-initialisation of the display
FT4506 A secret area added
FT4525 / Information Booster1, 2 or 3/Pinpad or Non/Var Identifer provided to the
FT4526 schemes
FT4966 SHA256 added
FT5041 Robustness of USB pinpad improved

3.10 EFT30

FT5154 Correction of problem when printing on EFT30 with printer older than April 2004

3.11 ICT220

FT5178 NTP_SoftwareActivateRam didn't work on ICT (problem for French healthcare applications)

3.12 ICT250

FT4648 Correction of the lost of data in flash (hterm, key files)
FT5169 Correction of the reset on fioctl CAM

3.13 SPM

FT5202 Printer driver for SPM added

4   TELIUM MANAGER

Following points are delivered in this release.

4.1   NEW FEATURES

FT4922	Association of a non Bluetooth terminal on base 2LS
FT4081	Add the possibility to have a beep when a card is removed
FT4243	Manage FOOTER to ICT250.
FT4421	Manager compatibility with SPM products
FT4535	At startup of M2OS, added display of the security configuration number (only for BOOSTER 2 and upper)
FT4927	API to enable/disable an external PINpad from application
FT5092	Manage flash memory available higher than 64Mo (ISC350)
FT5096	Added sent of PLS event (for French health applications)

4.2   CORRECTIONS

FT5130	"WELCOME" is not displayed correctly on PP30S
FT4942	Contactless logo was displayed on SPM
FT4742	Handset display didn't hang-up when calling in GSM mode Battery display didn't blink correctly when there was no battery into POS.
FT3241	Automatic parameterization of TYPE_TMS if GPRS
FT4867	WGUI display optimisation
FT4882	Start up delay optimisation
FT4986	On SPM, only IP proposed for type of network
FT5069	Update of the field returned by OS_GetIDLecteur for ICT250
FT5053	When card is removed, coupler number dealt
FT5069	ICT250 added to the function OS_GetIdlecteur

5 DLL SECURITY

Version is 03.08.

Following points are delivered in this release.

FT5017	SEC_FreeSecret correction for SDK standard scheme
FT4862	Optimisation of the time when schemes are searched at start-up.
	This is required for UCM
FT5062	Correction of the data size in ADF file (with out that a reset could occur when is presented to the card)
No FT	Adding SEC_DukptKeyVerify

6 SCHEMES

No evolution: version is 03.06.

7 LINKLAYER

No evolution: TCPIP package delivery is the pack 03.05.

8 AVL (ADDED VALUE LIBRARIES)

Version is 1.04.

Following points are delivered in this release.

FT5218	The help for AVL is now only in the CHM file

9 SDK

Following points are delivered in this release.

FT5061	xml_expat.h and xmls.h added to the delivery.
FT4486	File controle.txt containing traps numbers added to the delivery.
FT5059	Correction of the compilation compatibility problem between Telium Pass and AVL
FT4970	Bad version of trace.exe for Telium1 in the SDK
FT4448	Samples available at the Ingedev format
FT2000	Include files provided as read-only

10 TOOLS

10.1 SIMULATOR

Following points are delivered in this release.

FT4806	Version is now 2.03 (corresponding to the version automatically generated by the tool GSIM): no change in the way to use it.

11 MAIN REMAINING POINTS IN THIS RELEASE

Following points are not yet solved in this release.

11.1 930 BCC

FT5203	Access to the memory card causes a lost of the base
FT5205	Sometimes terminal lost the base with out any reason
FT5210	Terminal blocked with out any reason

11.2 ICT250

FT5100	When a pinpad is plugged on an ICT250 contactless the display is all the time "Present only one card"