RELEASE NOTES
for TC35 Version 03.10

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This Release Note introduces TC35 Version 03.10 and briefly describes the benefits over the preceding release 3.00. Referred to as TC35, the software applies to the Siemens GSM engines **TC35, TC37** and **TC35 Terminal.**

1   Related documents

/1/   TC35 TC37 Hardware Interface Description 03.10
/2/   AT Command Set for TC35, TC37 and TC35 Terminal 03.10
/3/   Release Notes: TC35 Version 03.10
/4/   Application Note: Updating TC35 Firmware 03.10
/5/   DSB35 Support Box - Evaluation Kit for Siemens Cellular Engines
/6/   TC3x Multiplexer User's Guide 03.10

2   Improved features

Feature	What's new
Battery pack	A battery pack especially designed to operate with TC35 an dTC37 is now available. Product name: CGP34506 Panasonic" supplied from Shenzhen XWODA electronic Co., Ltd. Technical specifications are provided in /1/. The recommended battery has been optimized to meet the requirements of the charging technique implemented in TC35 and TC37.
Charging	When a discharged battery pack is replaced with a fully charged battery pack, and you query the battery capacity with the AT^SBC command, correct values will be delivered (provided that the battery pack includes an NTC and that the current consumption of the module and the application have been correctly specified with the AT^SBC command).
Data transmission	CSD transmission rate now up to 14400 bps
Data services	When a data call is terminated by the remote party, the module now correctly sends the result code "NO CARRIER" to the application.
ATA / ATD	The problem of undefined or random characters sent during a data call setup has been solved.
Break handling on the serial interface	Problems due to breaks periodically sent from the application to the module are solved.

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Feature	What's new
Handover	Handover between 1800 MHz band and EGSM 900 MHz band has been improved.
AT+CMUX / ATE	Local echo can now be used in Multiplex mode.
AT+CMUX / +++	The escape sequence +++ is now available in Multiplex mode.
AT+CMUX	CSD upload functionality has been improved. DTR/RTS signal routing now implemented in Multiplex mode. Version control is implemented to ensure compatibility with earlier Muxer protocol versions. For instructions of how to handle the version control please refer to /6/.
AT+CALA	The module now enters the Alarm mode exactly at the specified time. This is also true when the specified alarm time follows only a few minutes after the module was switched off with AT^SMSO.
AT&W / AT&F / AT+CRC	The handling of AT+CRC<mode> has been improved. The selected mode will now be stored to the default profile or to the user profile.
AT^SDLD	AT command to delete the "last dial memory". The test command AT^SDLD=? now delivers the correct response: OK
AT^MONI	Output during handover has been corrected.
AT^SNFO	Audio volume control has been stabilized in all audio modes. The volume can be gradually adjusted (except for audio mode 1). The maximum volume can now be used to the full extent without affecting the speech quality.
AT+CFUN	Hardware flow control functions correctly in conjunction with SLEEP mode. When the module wakes up, there is no delay before data can be sent.
AT+COPN	The list of network operators and providers has been modified. "E-AIRTEL" has been renamed to "E-Vodafone"