Delta list: Willtek's Family of Test Automation Products

Revision history 6.01 → 6.10 (August 2009)

Feature / Product	7311 Lector Basic	7312 Lector Enhanced	7315 Scriptor
Troubleshoot button which collects log files for support questions	✓	✓	✓
Option dialog shows missing options when running a test script	✓	✓	✓
2201 ProLock can be shut down when Lector is shut down	✓	✓	✓
Messages can be displayed during update of Lector to provide important information	✓	✓	✓

Changes / Product	7311 Lector Basic	7312 Lector Enhanced	7315 Scriptor
Maximum number of log files and size increased	✓	✓	✓
Status of an expired license is now displayed correctly	✓	✓	✓
TETRA auto-coupling checks if instrument is connected	✓	✓	✓
Fields in CPL wizard do not disappear anymore when Enter is pressed	✓	✓	✓
Files which are marked as read only can be overwritten during updates	✓	✓	✓
Overall test result and timing information is printed out on result file even when test has been stopped	✓	✓	✓

Revision history 6.00 → 6.01; (July 2009)

Changes / Product	7311 Lector Basic	7312 Lector Enhanced	7315 Scriptor
WCDMA changes for 4400 with old PC	✓	✓	✓
Ensuring backwards compatibility with older firmware versions of 4400	✓	✓	✓

Revision history 5.02 → 6.00 (June 2009)

Product / Feature	7311 Lector Basic	7312 Lector Enhanced	7315 Scriptor
Support of 2303 Stabilock for automatic TETRA handset testing		✓	✓
Support of 3110 Mobile Service Tester	✓	✓	✓
EDGE support for 2201 ProLock	✓	✓	✓
4914 Antenna Coupler supported (frequency range: 350 – 495 MHz)	✓	✓	✓
Calibration date can be checked and displayed with Lector		✓	✓
Individual channel settings per test setup can be kept during synchronization		✓	✓
Manufacturer and model name are listed in report summary	✓	✓	✓
Call by MS for WCDMA supported. Together with RMC handover, test time can be reduced	✓	✓	✓
New combined position and phone type pop up for all standards with possibility to display additional comments and multiple pictures	✓	✓	✓
Pop-up menu with CDMA phone information disappears either after confirmation by user or through software control	✓	✓	✓
During a file server outage, result files usually stored there are stored locally, and copied to the file server when it has recovered	✓	✓	✓
Values deviating extremely during coupling loss measurements with average calculation are indicated in the coupling factor wizard		✓	✓
Test results can be stored in dedicated folders depending on the script	✓	✓	✓
File name of test results can be defined according to input after test	✓	✓	✓
Username, company name and comments can be defined for txt result files	✓	✓	✓
Coupler position of tested phone is displayed immediately after IMEI scan for TAC2TEST and TECH2TEST	✓	✓	✓

Product / Changes	7311 Lector Basic	7312 Lector Enhanced	7315 Scriptor
Alerting message for expiring 7360 Coupling Factor Update License can be switched off	✓	✓	✓
After synchronization, the configuration menu is updated	✓	✓	✓
Connection settings from older version are adopted when new Lector release is installed	✓	✓	✓
After import of script packages the Limits Editor is refreshed	✓	✓	✓
When synchronization with "Read Manually (Overwrite All)" is performed a separate confirmation is requested	✓	✓	✓
Authentication requests are handled automatically	✓	✓	✓

Revision history 5.01 → 5.02; (January 2009)

Changes \ Product	7311 Lector Basic	7312 Lector Enhanced	7315 Scriptor
Result files are stored locally when network is not available	✓	✓	✓
Increased failure tolerance of position finding for WCDMA		✓	✓
Storage of result files in date subfolders corrected	✓		
Supported phones list is not overwritten with Lector installation anymore	✓	✓	✓
CDMA with old PC in 4400 is working	✓		
Mobile settings for CDMA are not deleted anymore			✓
Direct Bluetooth connection without connected instrument is supported		✓	✓
CDMA auto-coupling handling has been modified			✓
4200 is set to local mode when test is finished	✓	✓	✓
Frequency error limits can be defined for dedicated WCDMA bands	✓	✓	✓

Revision history 5.00 → 5.01; (October 2008)

Changes \ Product	7311 Lector Basic	7312 Lector Enhanced	7315 Scriptor
Configuration blocking fixed	✓	✓	✓
GPRS Go/NoGo handling for 4200 changed	✓	✓	✓
Changes in SRW output file	✓	✓	✓

Revision history 4.20 → 5.00; (October 2008)

Product Feature	7311 Lector Basic	7312 Lector Enhanced	7315 Scriptor
2201 ProLock support	✓	✓	✓
Update of coupling database inside of 2201 ProLock via USB stick		✓	✓
Supports up to 4 timeslots in GPRS and EDGE	✓	✓	✓
Phase Error Peak and RMS on EDGE can be measured	✓	✓	✓
New HSDPA measurements supported - Adjacent Channel Leakage Power Ratio (ACLR) - Error Vector Magnitude RMS and Peak (EVM) - Occupied Bandwidth (OBW) - Maximum Power - Block Error Ratio (BLER) - Throughput measurement	✓	✓	✓
Sensitivity test for WCDMA available: WCDMA_SENSITIVITY	✓	✓	✓
Test result files can be sorted by manufacturer into specific folders		✓	✓
Supports direct Bluetooth connection for Go/NoGo tests for 4100 and 4200 series (additional 7361 Bluetooth Connectivity Test License required)		✓	✓
Offset in attenuation values in GSM and WCDMA	✓	✓	✓

Product Changes	7311 Lector Basic	7312 Lector Enhanced	7315 Scriptor
New WTG design implemented	✓	✓	✓
Error message during offline update does not appear anymore	✓	✓	✓
The "#" sign can be used for messages etc., but not for comments in test scripts anymore	✓	✓	✓
Changes in internal sequence of audio test	✓	✓	✓
TECH2TEST improvements/bug fixes	✓	✓	✓
When pcf files are updated, the screen is automatically refreshed	✓	✓	✓
Waiting time after stopping a running test has been reduced for WCDMA	✓	✓	✓

Revision history 4.10 → 4.20; (August 2008)

Product / Feature	7311 Lector Basic	7312 Lector Enhanced	7315 Scriptor
Averaging of coupling loss measurements for GSM, WCDMA and CDMA2000		✓	✓
Script packages (*.pcf) can be updated over the Internet	✓	✓	✓
BLER in EDGE and WCDMA supported	✓	✓	✓
Script files can be encrypted			✓
Instrument selection for Script Editor available			✓
Picture of phones in user database can be exchanged		✓	✓
Automatic stop after 1st Fail		✓	✓
Test script can be stored after "user break"	✓	✓	✓
Support of AWS band for CDMA2000	✓	✓	✓
New output format for database applications		✓	✓
User information can be received via online update mechanism	✓	✓	✓
New read synchronization mode overwrites files without date/time comparison	✓	✓	✓

Product / Changes	7311 Lector Basic	7312 Lector Enhanced	7315 Scriptor
Search sequence for User Database + Willtek Database setting corrected	✓	✓	✓
Position finding for WCDMA corrected	✓	✓	✓
Read protection dialog implemented for synchronization during write mode	✓	✓	✓
COM port is closed when test aborts	✓	✓	✓
Lector recognizes early when connection is interrupted during coupling factor measurements	✓	✓	✓
More user queries and input commands can be copied to the result file.	✓	✓	✓

Revision history 4.00 → 4.10; (May 2008)

Feature Product	7311 Lector Basic	7312 Lector Enhanced	7315 Scriptor
Channel scan for GSM available		✓	✓
Position finding for CDMA2000 (standard and XY shuttle)			✓
New assign TAC dialog	✓	✓	✓
Script command for user queries supported	✓	✓	✓
SWAP process for IMEI comparison available	✓	✓	✓
Adjustment of BS power level for high attenuation values (4100 and 4200)		✓	✓

Changes Product	7311 Lector Basic	7312 Lector Enhanced	7315 Scriptor
Problem with defining the interface is solved for 4300		✓	✓
Script command CDMA_CALL_BY_MS corrected	✓	✓	✓
Position is not displayed every time by using 4100 or 4200		✓	✓
MAX Power Limits are not missing in result file for a WCDMA + HSDPA test		✓	✓
Corrected coupling loss settings for WCDMA band 5	✓	✓	✓
Configuration files are merged during installation of a new version	✓	✓	✓
Display of query box when read sync is done and Lector is in write mode	✓	✓	✓

Revision history 3.00 → 4.00; (March 2008)

Product / Feature	7311 Lector Basic	7312 Lector Enhanced	7315 Scriptor
4300 support		✓	✓
HSDPA (phase1) for 4400 and 3100 supported	✓	✓	✓
Network dongle supported	✓	✓	✓
Position finding for XY Shuttle for GSM and WCDMA			✓
Sending AT commands via test script through separate RS-232 connection	✓	✓	✓
TECH2TEST supported	✓	✓	✓
For TAC2TEST the scanned IMEI can be checked for validity	✓	✓	✓
Changeable RMC data rates for WCDMA Data Call	✓	✓	✓
Linking of coupling loss values according the name of Group and Subgroup	✓	✓	✓
Content of dedicated pop-up messages can be modified by user	✓	✓	✓
Test channels, coupling database source and limit files are displayed	✓	✓	✓
Naming for multiple result files for the same IMEI can be changed by user	✓	✓	✓
Automatic actualization of coupling factor database when dongle is changed		✓	✓
Sending of SCPI commands within test script	✓	✓	✓

Product / Changes	7311 Lector Basic	7312 Lector Enhanced	7315 Scriptor
4100/4200: High coupling loss values do not cause an error in GSM1900	✓	✓	✓
Scanned IMEI is not clipped in result file	✓	✓	✓
CDMA_CALL_BY_MS is working now	✓	✓	✓
MS Open Loop Power produces proper printout in result file	✓	✓	✓
Calling number (MS call) is displayed correctly in result file	✓	✓	✓
PHASE_MAX produces correct printout	✓	✓	✓
Printer settings are permanently stored	✓	✓	✓
RSCP limits are printed out correctly	✓	✓	✓
Lector does not crash anymore when A-CPL is done without a connected unit	✓	✓	✓
TERM_BY_NB is working also for speech call	✓	✓	✓
Test time is also recorded when TAC2TESt is used	✓	✓	✓
Phone recognition does not pop up twice for tri- and quad band test	✓	✓	✓
Coupling Loss values of new Samsung phones are found in database now	✓	✓	✓

Revision history 2.32 → 3.00; (December 2007)

Product Feature	7311 Lector Basic	7312 Lector Enhanced	7315 Scriptor
Windows Vista Support	✓	✓	✓
Support of the 4100 Mobile Fault Finder Series		✓	✓
Support of the 4200 Mobile Service Tester Series		✓	✓
Support of the new 4916 X-Y-Shuttle	✓	✓	✓
Failure Reason Codes for test data analysis		✓	✓
File synchronization for administration of numerous Lector stations			✓
File synchronization for reading from a central network folder		✓	✓
HTML printout with changeable logo, font size and header and footer text	✓	✓	✓
Channel files can be created and linked to script files			✓
Groups, Subgroups etc. can be exported to PCF files			✓
X2Test Editor for generating database files for barcode reader support			✓
Script check for finding logical error in the script sequence (GSM/WCDMA)			✓
Copy, cut, paste and multiple selection in Script Editor supported			✓
Switch for enabling and disabling the compress view		✓	✓
Measurements can be selected for script commands with multiple output			✓
Report Summary can be stored automatically		✓	✓
Coupler Position in CPL database can be changed	✓	✓	✓

Product Changes	7311 Lector Basic	7312 Lector Enhanced	7315 Scriptor
CPL offset values for CDMA can now be entered with fragmental digits	✓	✓	✓
Mobile and Carrier settings cannot disappear anymore			✓
Connection settings are working when the first connection type is not used	✓	✓	✓
Switching between standard view and compressed view does not lose images		✓	✓
CPL Wizard is now correctly initialized	✓	✓	✓

Revision history 2.31 → 2.32; (July 2007)

The revision 2.32 is not tested with Microsoft Windows Vista. The release 2.40 will be adapted to the Microsoft Windows Vista requirements.

Product / Changes	7311 Lector Basic	7312 Lector Enhanced	7315 Scriptor
New menu item for checking the status of the dongle license		✓	✓
Configuration can be changed without crashing Lector Basic	✓		

Revision history 2.30 → 2.31; (July 2007)

Product / Changes	7311 Lector Basic	7312 Lector Enhanced	7315 Scriptor
Different Power Classes for all WCDMA bands can be handled for all mobiles	✓	✓	✓
Database files for CDMA mobile and carrier settings are now not deleted during installation	✓	✓	✓
Coupling values are displayed correctly for all WCDMA bands in the result files	✓	✓	✓
Behavior of IMEI comparison changed for TAC2TEST	✓	✓	✓
COUPLING_AUTO is now also used for CDMA2000 and EV-DO	✓	✓	✓
Faster coupling loss measurement for CDMA2000			✓
Compressed windows for multiple installations		✓	✓
Model Editor shows all groups instead of only the active ones			✓
Manual and delta list can be opened with in the Help menu item	✓	✓	✓
Handover between different WCDMA bands is possible	✓	✓	✓

Revision history 2.21 → 2.30; (May 2007)

The revision 2.30 is not tested with Microsoft Windows Vista. The release 2.40 will be adapted to the Microsoft Windows Vista requirements.

Product / Feature	7311 Lector Basic	7312 Lector Enhanced	7315 Scriptor
Import and activation of phone configuration packages	✓	✓	✓
Possibility to identify up to 4 Lector installations on one PC by color and ID		✓	✓
Download of actual CPL values possible		✓	✓
Download of product updates via online and offline update	✓	✓	✓
Additional WCDMA bands supported (band 1-10)	✓	✓	✓
XML output format available	✓	✓	✓
New input boxes for all supported standards with short descriptions			✓
New formats for result filenames	✓	✓	✓
Changeable sequence of CPL databases	✓	✓	✓
Run Bluetooth test without pop-up messages	✓	✓	✓
IMEI comparison can be switched on and off in configuration area	✓	✓	✓
CPL tab can be password protected	✓	✓	✓
Phone recognition can be changed	✓	✓	✓
Comments for result summary can be added manually	✓	✓	✓
Multiple TAC2Test files can be linked to group entries with model editor	✓	✓	✓
TAC2Test is also possible for CDMA 2000	✓	✓	✓
Manual entering of coupling factors for CDMA2000			✓
Some pop-Up windows can be disabled in the configuration area	✓	✓	✓

Product / Changes	7311 Lector Basic	7312 Lector Enhanced	7315 Scriptor
New dialog for deleting groups and subgroups			✓
Option checking has been adapted to the new option concept of 4400	✓	✓	✓
IMEI comparison corrected	✓	✓	✓
Corrected the EV-DO limits	✓	✓	✓
Changed some default values for CDMA2000	✓	✓	✓
During a test is running other tabs are blocked	✓	✓	✓
Possibility to run several Lector installations simultaneously on one PC	✓	✓	✓
Pop-up boxes for Script Commands are now correctly initialized			✓

Revision history 2.20 → 2.21 (February 2007)

Changes / Product	7311 Lector Basic	7312 Lector Enhanced	7315 Scriptor
Bigger PASS/FAIL indication	✓	✓	✓
Script filenames are now linked correctly to Subgroup entries	✓	✓	✓
Model Editor: Invalid argument message fixed			✓
Picture adjustment corrected for quadratic pictures	✓	✓	✓
CDMA default limits for FER measurements corrected	✓	✓	✓

Revision history 2.10 → 2.20; (January 2007)

Feature / Product	7311 Lector Basic	7312 Lector Enhanced	7315 Scriptor
CDMA2000, EV-DO, AMPS, MEID support Supported bands: US800, USPCS, KPCS, NMT450	✓	✓	✓
Coupling Factor Calculation Wizard for GSM, WCDMA,	✓	✓	✓
Coupling Factor Calculation Wizard for CDMA2000			✓
Optimal antenna coupler position finding for GSM			✓
Sequence of test scripts can be changed with the Mobile Editor			✓
CDMA2000 carrier management			✓
Additional phone information can be entered with Mobile Editor			✓
Coupling Factor Editor for GSM and WCDMA	✓	✓	✓
Coupling Factor Editor for CDMA2000			✓

Changes / Product	7311 Lector Basic	7312 Lector Enhanced	7315 Scriptor
New dialog for deleting groups and subgroups			✓

Revision history 2.00 → 2.10; (November 2006)

Feature / Product	7311 Lector Basic	7312 Lector Enhanced	7315 Scriptor
By clicking on entry in Result Summary the dedicated test report is displayed	✓	✓	✓
Additional GPRS and EDGE test in standard configuration	✓	✓	✓
New coupling type: "User Connection"	✓	✓	✓
Failed measurements are now indicated by an asterisk *	✓	✓	✓
When checking the connection to the instrument, the serial number and type of instrument are displayed now	✓	✓	✓
Enable/Disable button for test steps in Script Editor			✓
Comment can be added in test script			✓
New labeling for limit file entries			✓
Usage of Willtek's coupling factor database can now be disabled	✓	✓	✓
Support for encrypted files (to prevent unauthorized changes by users)	✓	✓	✓
Now also supports MS test via cable connection	✓	✓	✓

Changes / Product	7311 Lector Basic	7312 Lector Enhanced	7315 Scriptor
Start/Stop button with correct functionality after performing an automatic coupling calculation	✓	✓	✓
System is switched off after a stopped test	✓	✓	✓
Various improvements in the test scripts	✓	✓	✓