

## ***Phone Tool***

**Subject: Release note**

**Revision: 7.1**

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**Last Updated: 28/05/2008 03:23**

**Last Updated By: BaYang**

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**File: N:\dwdtools\Phonetool\document\Phone Tool release document.doc**

**Version history**

| Date       | Revision | Who | Description                    |
|------------|----------|-----|--------------------------------|
| 19.02.2004 | 0.1      | PBO | First version                  |
| 09.03.2004 | 0.2      | PBO | Updated with release 9.7       |
| 10.03.2004 | 0.3      | PBO | Release 9.7.1 added            |
| 15.03.2004 | 0.4      | PBO | Release 9.7.2 added.           |
| 20.04.2004 | 0.5      | PBO | Release 9.8 added.             |
| 04.06.2004 | 1.0      | PBO | Release 9.9 added.             |
| 14.07.2004 | 1.1      | PBO | Release 10.0 added.            |
| 01.09.2004 | 1.2      | PBO | Release 11.0 added.            |
| 21.10.2004 | 1.3      | PBO | Release 12.0 added.            |
| 07.12.2004 | 1.4      | PBO | Release 13.00 added.           |
| 31.01.2005 | 1.5      | PBO | Release 14.00 added            |
| 24.02.2005 | 1.6      | PBO | Release 15.00 added            |
| 22.03.2005 | 1.7      | PBO | Release 16.00 added            |
| 08.04.2005 | 1.8      | PBO | Release 17.00 added            |
| 21.04.2005 | 1.9      | PBO | Release 18.00 added            |
| 13.06.2005 | 2.0      | PBO | Release 19.00 added            |
| 01.07.2005 | 2.1      | PBO | Release 19.01 added            |
| 28.07.2005 | 2.2      | PBO | Release 20.00 added.           |
| 07.10.2005 | 2.3      | PBO | Release 21.00 added.           |
| 11.10.2005 | 2.4      | PBO | Release 21.01 added.           |
| 18.11.2005 | 2.5      | PBO | Release 22.00 added.           |
| 13.12.2005 | 2.6      | PBO | Release 23.00 added.           |
| 20.01.2006 | 2.7      | PBO | Release 24.00 added.           |
| 15.02.2006 | 2.8      | PBO | Release 25.00 added.           |
| 02.03.2006 | 2.9      | PBO | Release 25.10 added.           |
| 14.03.2006 | 3.0      | PBO | Release 26.00 added.           |
| 28.03.2006 | 3.1      | PBO | Release 26.10 added.           |
| 30.03.2006 | 3.2      | PBO | Release 27.00 added.           |
| 20.04.2006 | 3.3      | PBO | Release 28.00 added.           |
| 31.05.2006 | 3.4      | PBO | Release 29.00 added.           |
| 29.06.2006 | 3.5      | PBO | Release 30.00 added.           |
| 08.09.2006 | 3.6      | PBO | Release 31.00 added.           |
| 22.09.2006 | 3.7      | PBO | Release 31.01 added.           |
| 01.11.2006 | 3.8      | PBO | Release 32.00 added.           |
| 20.11.2006 | 3.9      | PBO | Release 32.01 added.           |
| 29.11.2006 | 4.0      | PBO | Release 32.02 added            |
| 12.12.2006 | 4.1      | PBO | Release 33.00 added            |
| 03.01.2007 | 4.2      | PBO | Release 34.00 added.           |
| 10.01.2007 | 4.3      | PBO | Release 32.03 and 32.04 added. |
| 30.01.2007 | 4.4      | PBO | Release 35.00 added.           |
| 22.02.2007 | 4.5      | PBO | Release 36.00 added.           |

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| 13.03.2007 | 4.6 | PBO | Release 37.00 added.   |
| 28.03.2007 | 4.7 | YBA | Release 38.00 added.   |
| 24.04.2007 | 4.8 | YBA | Release 39.00 added.   |
| 24.05.2007 | 4.9 | YBA | Release 40.00 added.   |
| 19.06.2007 | 5.0 | YBA | Release 41.00 added.   |
| 21.06.2007 | 5.1 | YBA | Release 41.01 added.   |
| 13.07.2007 | 5.2 | YBA | Release 42.00 added.   |
| 19.07.2007 | 5.3 | YBA | Release 42.01 added.   |
| 20.07.2007 | 5.4 | PBO | Release 43.00 added.   |
| 12.09.2007 | 5.5 | PBO | Release 44.00 added.   |
| 25.09.2007 | 5.6 | YBA | Release 45.00 added.   |
| 28.09.2007 | 5.7 | YBA | Release 45.01 added.   |
| 05.10.2007 | 5.8 | YBA | Release 45.02 added.   |
| 12.10.2007 | 5.9 | PBO | Release 45.03 added.   |
| 18.10.2007 | 6.0 | YBA | Release 45.04 added.   |
| 23.10.2007 | 6.1 | PBO | Release 46.00 added.   |
| 01.11.2007 | 6.2 | YBA | Release 47.00 added.   |
| 22.11.2007 | 6.3 | YBA | Release 48.00 added.   |
| 03.12.2007 | 6.4 | PBO | Release 48.01 added.   |
| 18.12.2007 | 6.5 | PBO | Release 49.00 added.   |
| 29.02.2008 | 6.7 | PBO | Release 49.00 upgrade  |
| 06.03.2008 | 6.8 | PBO | Release 49.00 upgrade. |
| 11.04.2008 | 6.9 | PBO | Release 49.00 upgrade. |
| 26.05.2008 | 7.0 | PBO | Release 49.00 upgrade. |
| 28.05.2008 | 7.1 | YBA | Release 50.00 added.   |

**Approved/owner**

SW Developer  
Per Bøgebjerg (PBO)

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| <b>VERSION:</b>     | <b>50.00</b>                                                        |
| Release date:       | 28.05.2008                                                          |
| Change description: | New band definition added<br>SMS00748992 fixed<br>SMS00756063 fixed |
| Matching dwdio.dll: | <b>51.00</b>                                                        |

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| <b>VERSION:</b>     | <b>49.00</b>                                                                     |
| Release date:       | 26.05.2008                                                                       |
| Change description: | No change to Phone Tool, but dwdio.dll v50.01 included in the matching dwdio.dll |
| Matching dwdio.dll: | <b>47.0, 47.1, 48.0 &amp; 50.01</b>                                              |

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| <b>VERSION:</b>     | <b>49.00</b>                                                                    |
| Release date:       | 11.04.2008                                                                      |
| Change description: | No change to Phone Tool, but dwdio.dll v48.0 included in the matching dwdio.dll |
| Matching dwdio.dll: | <b>47.0, 47.1 &amp; 48.0</b>                                                    |

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| <b>VERSION:</b>     | <b>49.00</b>                                                                                                                                                                      |
| Release date:       | 06.03.2008                                                                                                                                                                        |
| Change description: | Phone tool v49.0 installation package updated with a new Sgold3Audio.dll v12.2 to solve SMS743239<br><br>Sgold3audio:<br>- Support for scal_I2S1_tx added in the audio scheduler. |
| Matching dwdio.dll: | <b>47.0 or 47.1</b>                                                                                                                                                               |

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| <b>VERSION:</b>     | <b>49.00</b>                                                                                                                                                                                                                                                                                                                                                               |
| Release date:       | 29.02.2008                                                                                                                                                                                                                                                                                                                                                                 |
| Change description: | Phone tool v49.0 installation package updated with a new Sgold3Audio.dll v12.1 to solve SMS740958 and a new signing module to solve SMS740939<br><br>Sgold3audio:<br>- Support for new HF DSP parameter HF_echo_source and HF_add_delay<br><br>Signing Module:<br>- FF padding in PKCS instead of random bytes.<br>- Calling convention added to interface functions call. |
| Matching dwdio.dll: | <b>47.0 or 47.1</b>                                                                                                                                                                                                                                                                                                                                                        |

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| <b>VERSION:</b>     | <b>49.00</b>                                                                                                                                                                                                                                                                                                    |
| Release date:       | 21.02.2008                                                                                                                                                                                                                                                                                                      |
| Change description: | Phone tool v49.0 installation package updated with a new Sgold3Audio.dll v12.0 to solve SMS733435 – SMS736646 – SMS737515 – SMS733650<br><br>- Bluetooth I2S1 updated with mode 25.<br>- Dual band compressor updated to support a new parameter<br>- Handfree parameter updated to support two new parameters. |
| Matching dwdio.dll: | <b>47.0 or 47.1</b>                                                                                                                                                                                                                                                                                             |

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| <b>VERSION:</b>     | <b>49.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Release date:       | 18.12.2007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Change description: | <ul style="list-style-type: none"> <li>- Non-Signalling menu updated to make it possible to set TX I and TX Q.</li> <li>- Memory menu is updated to speed up memory read from target under some conditions ( SMS706350 – SMS715581)</li> <li>- New Sgold3Audio.dll v9.0 (SMS716709) <ul style="list-style-type: none"> <li>o The digital register setting has until now been hardcoded, but in the new version is it possible to adjust the gain (0dB -&gt; +18dB) via drop down boxes.</li> <li>o Enable / disable the digital filter is also possible.</li> </ul> </li> </ul> |
| Matching dwdio.dll: | <b>47.0</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

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| <b>VERSION:</b>     | <b>48.01</b>                                                                                                                                                                                                                                                                                                                                                                                                         |
| Release date:       | 03.12.2007                                                                                                                                                                                                                                                                                                                                                                                                           |
| Change description: | <ul style="list-style-type: none"> <li>- Support for new UMTS band configuration (B1_B2_B8) added.</li> <li>- New Sgold3Audio.dll v8.1 <ul style="list-style-type: none"> <li>o Master/Resource volume updated to show the last used resource instead of show the speech volume each time another resource has been updated.</li> <li>o Fixed a problem to load the DLL has also been solved.</li> </ul> </li> </ul> |
| Matching dwdio.dll: | <b>46.1</b>                                                                                                                                                                                                                                                                                                                                                                                                          |

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| <b>VERSION:</b>     | <b>48.00</b>                                                                                                                                                                                                                                                                                                                                                           |
| Release date:       | 22.11.2007                                                                                                                                                                                                                                                                                                                                                             |
| Change description: | <ul style="list-style-type: none"> <li>- Second added in RTC (SMS00705293)</li> <li>- new Debug Data menu added (SMS00659391)</li> <li>- new SGOLD3Audio.dll v8.0 (display fir filter, TTY negotiation)</li> <li>- new GTI DLL v3.5 (argument window improved)</li> <li>- new GF DLL v1.1 (hex format opcode supported, new dwd_ftd_generic function added)</li> </ul> |
| Matching dwdio.dll: | <b>46.0</b>                                                                                                                                                                                                                                                                                                                                                            |

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| <b>VERSION:</b>     | <b>47.00</b>                                                                                                                                                                                                                                                                                                                                                                               |
| Release date:       | 01.11.2007                                                                                                                                                                                                                                                                                                                                                                                 |
| Change description: | <ul style="list-style-type: none"> <li>- Look for eep.cfg in external folder</li> <li>- Change amount of temp ranges to 6 for RxLev compensation</li> <li>- Remove the range of year check for RTC</li> <li>- Start PTEST Mode added</li> <li>- New SGOLD3Audio.dll v7.0 (new I2SX interface, Mute Resource added)</li> <li>- New Terminal DLL v3.5 (RTS and DTR control added)</li> </ul> |
| Matching dwdio.dll: | <b>44.0</b>                                                                                                                                                                                                                                                                                                                                                                                |

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| <b>VERSION:</b>     | <b>46.00</b>                                                                                                                                                                                                                                                                                                                                                                           |
| Release date:       | 23.10.2007                                                                                                                                                                                                                                                                                                                                                                             |
| Change description: | <ul style="list-style-type: none"> <li>- Support for TX IQ calibration added in Non-signalling test mode.</li> <li>- Corrected a small problem to get a negative temperature in SW charger status.</li> <li>- New SGOLD3Audio.dll v6.1 (Write Audio data to dynamic EEP added).</li> <li>- New Aeneas DLL v3.1(Updated due to an interface changes in DWD_ucal_init_tx_cal)</li> </ul> |
| Matching dwdio.dll: | <b>43.0</b>                                                                                                                                                                                                                                                                                                                                                                            |

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| <b>VERSION:</b>     | <b>45.04</b>                                                     |
| Release date:       | 18.10.2007                                                       |
| Change description: | New SGRPMU.DLL added<br>GTI.DLL v3.4 (argument window bug fixed) |
| Matching dwdio.dll: | <b>42.0</b>                                                      |

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| <b>VERSION:</b>     | <b>45.03</b>                                                                       |
| Release date:       | 12.10.2007                                                                         |
| Change description: | Functionality to generate source file with Audio data added in miscellaneous menu. |
| Matching dwdio.dll: | <b>42.0</b>                                                                        |

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| <b>VERSION:</b>     | <b>45.02</b>                                                                                                                                      |
| Release date:       | 05.10.2007                                                                                                                                        |
| Change description: | <ul style="list-style-type: none"> <li>- SMS00671634 fixed (show ASCII eep value)</li> <li>- Loading GTI.dll without checking baseband</li> </ul> |
| Matching dwdio.dll: | <b>40.0</b>                                                                                                                                       |

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| <b>VERSION:</b>     | <b>45.01</b>             |
| Release date:       | 28.09.2007               |
| Change description: | - Charger menu bug fixed |
| Matching dwdio.dll: | <b>40.0</b>              |

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| <b>VERSION:</b>     | <b>45.00</b>                                                                                                                                                                 |
| Release date:       | 25.09.2007                                                                                                                                                                   |
| Change description: | <ul style="list-style-type: none"> <li>- File System bug fixed</li> <li>- New method to show Charger menu</li> <li>AeneasDll v3.0 (non-signalling control update)</li> </ul> |
| Matching dwdio.dll: | <b>40.0</b>                                                                                                                                                                  |

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| <b>VERSION:</b> | <b>44.00</b> |
| Release date:   | 12.09.2007   |

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| Change description: | <ul style="list-style-type: none"> <li>- Non-signalling test and signalling test menu is updated with a new antenna switch feature</li> <li>- DWD Generic function has been removed from MISC. menu and added to a new menu point called "DWD Generic Function".</li> </ul> |
| Matching dwdio.dll: | <b>39.0</b>                                                                                                                                                                                                                                                                 |

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| <b>VERSION:</b>     | <b>43.00</b>                                                                            |
| Release date:       | 20.07.2007                                                                              |
| Change description: | - Non-signalling test is updated to support the new calibration concept for 2 and 2.5G. |
| Matching dwdio.dll: | <b>36.0</b>                                                                             |

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| <b>VERSION:</b>     | <b>42.01</b>                     |
| Release date:       | 19.07.2007                       |
| Change description: | Fixed loading SGold2AudioDll bug |
| Matching dwdio.dll: | <b>35.0</b>                      |

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| <b>VERSION:</b>     | <b>42.00</b>                                                                                                                                                                                                                                                                                                               |
| Release date:       | 13.07.2007                                                                                                                                                                                                                                                                                                                 |
| Change description: | Miscellaneous <ul style="list-style-type: none"> <li>- DWD Generic Function (dwd_adaptor_generic, dwd_fmd_generic, dwd_sysmon_generic added)</li> </ul><br>General Mode (EEP prefix added)<br><br>GTIDll v3.3 (hide some test buttons)<br>SecurityDll v2.12 (Check for duplicate entries for qualifiers in Code subgroups) |
| Matching dwdio.dll: | <b>35.0</b>                                                                                                                                                                                                                                                                                                                |

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| <b>VERSION:</b>     | <b>41.01</b>                          |
| Release date:       | 19.06.2007                            |
| Change description: | Power Ramp Editor (SMS00629904 fixed) |
| Matching dwdio.dll: | <b>34.0</b>                           |

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| <b>VERSION:</b>     | <b>41.00</b>                                                                                                                                           |
| Release date:       | 19.06.2007                                                                                                                                             |
| Change description: | Signalling test mode <ul style="list-style-type: none"> <li>- Internal Temp Sensor</li> <li>- GMSK PA Pedestal</li> <li>- 8psk bias mode no</li> </ul> |

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|                     | <ul style="list-style-type: none"> <li>- EDGE PA Gainstep Corr</li> </ul> <p>Non-Signalling test mode</p> <ul style="list-style-type: none"> <li>- RX Gain settings for SGoldRadio have been changed to be shown as dB instead of index values and new limits is -20 to 64 with 2 dB steps</li> </ul> <p>SGold2AudioDLL v6.2 (SMS00629298 fixed)<br/> SGold3AudioDLL v5.1 (SMS00629298 fixed)<br/> SecurityDll v2.11</p> <ul style="list-style-type: none"> <li>- Error message when size of SLF file is more than 1024 bytes</li> <li>- Check on Code group size when SLF is generated</li> </ul> <p>TerminalDLL v3.4 ("open/close comport" added)</p> |
| Matching dwdio.dll: | <b>34.0</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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| <b>VERSION:</b>     | <b>40.00</b>                                                                                                                                                                                                                                                                                                                                                           |
| Release date:       | 25.05.2007                                                                                                                                                                                                                                                                                                                                                             |
| Change description: | <p>Editor</p> <ul style="list-style-type: none"> <li>- Serial EEPROM</li> </ul> <p>PhoneTool Bugs fixed:</p> <ul style="list-style-type: none"> <li>- DWD Generic Function</li> <li>- SMPower3/3i</li> </ul> <p>AeneasDll v2.0 (new eep parameters added)<br/> GTIDll v3.2 (bugs fixed)<br/> SecurityDll v2.10 (Support to input unlock key in hexadecimal format)</p> |
| Matching dwdio.dll: | <b>33.0</b>                                                                                                                                                                                                                                                                                                                                                            |

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| <b>VERSION:</b>     | <b>39.00</b>                                                                                                                                                                                                                         |
| Release date:       | 24.04.2007                                                                                                                                                                                                                           |
| Change description: | <p>New SM Power 3/3i interface</p> <p>SecurityDll v2.9 (Support for selective generation of security data, Fixed for "Bad length for Master Control Profile" error)</p> <p>TerminalDll v3.3 (display of unsolicited information)</p> |
| Matching dwdio.dll: | <b>31.0</b>                                                                                                                                                                                                                          |

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| <b>VERSION:</b>     | <b>38.00</b>                                                                                                                                                                                  |
| Release date:       | 28.03.2007                                                                                                                                                                                    |
| Change description: | <p>Miscellaneous</p> <ul style="list-style-type: none"> <li>- DWD Generic Function</li> </ul> <p>GDDAPI3Dll v3.1 (Fixed unwanted pop-up dialog in JPEG quality selection and sizable bug)</p> |
| Matching dwdio.dll: | <b>30.0</b>                                                                                                                                                                                   |



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| <b>VERSION:</b>     | <b>37.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Release date:       | 13.03.2007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Change description: | <p>NON-Signalling</p> <ul style="list-style-type: none"> <li>- ADC measurement updated with new entries.</li> </ul> <p>Main Screen</p> <ul style="list-style-type: none"> <li>- Solved a problem to show some information data.</li> </ul> <p>SGOLD3AudioDll v5.0 (Load audio file from PC to RAM Buffer)<br/> AeneasDll v1.1 (check eep file)<br/> GTIDll v3.1 (fix sizable bug)<br/> TerminalDll v3.2 (fix sizable bug)<br/> GDDAPI3Dll v3.0 (Dump data from target changed to use a new function instead of DWD_gdd_get_data_stream, GUI also updated).<br/> SecurityDll 2.08 (IMEI and IMEI label removed from registry)</p> |
| Matching dwdio.dll: | <b>30.0</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

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| <b>VERSION:</b>     | <b>36.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Release date:       | 22.02.2007                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Change description: | <p>NON-Signalling</p> <ul style="list-style-type: none"> <li>- New power editor added for SMARTI PM2</li> </ul> <p>EEPROM Editor</p> <ul style="list-style-type: none"> <li>- Problem to load the tree view solved.</li> </ul> <p>Main Screen</p> <ul style="list-style-type: none"> <li>- Information regarding UMTS band supported added when using the “Update” button.</li> </ul> <p>SGOLD3AudioDll v4.02 (Recompiled due to updated target interface file).<br/> SGOLD2AudioDll v6.01 (Status for TTY checkbox updated)<br/> PowerRampEditorDll v1.0 (New Power ramp Editor)<br/> GTIDll v3.0 (Added new trace function)<br/> TerminalDll v3.01 (Bug fix release)</p> |
| Matching dwdio.dll: | <b>29.0</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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| <b>VERSION:</b>     | <b>35.00</b>                                                                                                                                                                                                                                                                                                                                                                                   |
| Release date:       | 30.01.2007                                                                                                                                                                                                                                                                                                                                                                                     |
| Change description: | <ul style="list-style-type: none"> <li>- New build environment has been introduced (Turbo C++ 2006)</li> <li>- Minor problem in Bluetooth to show firmware version an data has been solved.</li> <li>- Phone Tool modes menu has been updated.</li> <li>- New user interface to Aeneas has been introduced.</li> <li>- General cleanup where unused functionality has been removed.</li> </ul> |
| Matching dwdio.dll: | <b>28.1</b>                                                                                                                                                                                                                                                                                                                                                                                    |

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| <b>VERSION:</b>     | <b>34.00</b>                                                                                                                     |
| Release date:       | 03.01.2007                                                                                                                       |
| Change description: | General cleanup in Phone tool, where support for EGOLD based project are removed. Support for SGOLD, SGOLD LITE is also removed. |
| Matching dwdio.dll: | <b>28.0</b>                                                                                                                      |

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| <b>VERSION:</b>     | <b>33.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Release date:       | 12.12.2006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Change description: | <p>NON-SIGNALING:</p> <ul style="list-style-type: none"> <li>- PA type information added.</li> <li>- SMARTI PM RF timing editor and SMARTI PM register editor updated to support new RF chip: SMARTI_PM2_v21</li> </ul> <p>QUICKBAR:</p> <ul style="list-style-type: none"> <li>- Problem to enter SMPOWER menu on SMPOWER 3 based system has been solved.</li> </ul> <p>MONITOR SIGNAL:</p> <ul style="list-style-type: none"> <li>- This menu is not supported anymore and has been removed.</li> </ul> <p>FMRADIO:</p> <ul style="list-style-type: none"> <li>- The FM Radio menu has been removed since it not used anymore and the new FM radio interface is a part of the audio menu.</li> </ul> <p>FILESYSTEM:</p> <ul style="list-style-type: none"> <li>- Fixed a problem to load file into device "F" and "E" has been solved, with set default device after it has been mounted.</li> </ul> <p>BATTERY:</p> <ul style="list-style-type: none"> <li>- Gas gauge support has been removed, since it not used any more.</li> <li>- Support for new charger concept for SMPOWER3 added.</li> </ul> <p>General support for baseband chip: EGOLD_v1_v2, EGOLD3, EGOLDLITE, SGOLD have been removed.</p> <p>General support for RF chip: SMARTI_PLUS_B1, SMARTI_PLUS_C1, SMARTI_PLUS_C2, SMARTI_DC, SMARTI_DC_PLUS_V1 and SMARTI_DC_PLUS_C2 have been removed.</p> |
| Matching dwdio.dll: | <b>26.2</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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| <b>VERSION:</b> | <b>32.04</b> |
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| Release date:       | 10.01.2007                                                                                                               |
| Change description: | - Get RX calibration data in One Second calibration changed back to use dwdio.dll function DWD_osc_get_rx_afc_calib_data |
| Matching dwdio.dll: | <b>26.1</b>                                                                                                              |

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| <b>VERSION:</b>     | <b>32.03</b>                                                                                                                                                                                                                                                                                                                 |
| Release date:       | 08.01.2007                                                                                                                                                                                                                                                                                                                   |
| Change description: | <p>- Bug fix: Problem to show some file type in the file type drop down has been solved after the numbers of sectors has increased.</p> <p>#FFS_FILES_TYPES_START<br/>           GENERIC<br/>           APOXI_SETTING<br/>           AVI<br/>           ...<br/> <b>TXT;55021568</b><br/>           #FFS_FILES_TYPES_END</p> |
| Matching dwdio.dll: | <b>26.1</b>                                                                                                                                                                                                                                                                                                                  |

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| <b>VERSION:</b>     | <b>32.02</b>                                                                                                                                                                                                               |
| Release date:       | 29.11.2006                                                                                                                                                                                                                 |
| Change description: | <p>NON-SIGNALING:</p> <ul style="list-style-type: none"> <li>- Problem to get correct AFC value if UMTS and SGOLD3 are present has been solved.</li> </ul> <p>Support for SGOLDRADIO added, but not fully implemented.</p> |
| Matching dwdio.dll: | <b>26.1</b>                                                                                                                                                                                                                |

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| <b>VERSION:</b>     | <b>32.01</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Release date:       | 20.11.2006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Change description: | <p><u>FFS:</u></p> <ul style="list-style-type: none"> <li>- The MMC &amp; NAND flash part has been updated, since the data received from target after getting the registered devices has increased.</li> <li>- Some FFS functions are not called if the target system is NAND only.</li> </ul> <p><u>EEPROM EDITOR:</u></p> <ul style="list-style-type: none"> <li>- Freeze calibration data functionality is added, by a new tool button and new menu point FILE-&gt;FREEZE CALIB DATA</li> </ul> |
| Matching dwdio.dll: | <b>26.1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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| <b>VERSION:</b>     | <b>32.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Release date:       | 01.11.2006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Change description: | <p><u>FFS:</u></p> <ul style="list-style-type: none"> <li>- The FFS menu has been updated so the original filename is shown if this filename not follow the rules for FFS filename e.g. 176x144.h263.3gp_3GP.FFS. You will either not be prompted any more if you want save more than one file and you have selected "No" to be prompt for each file. By default will these file with no type information be saved as GENERIC type.</li> </ul> <p><u>RTC:</u></p> <ul style="list-style-type: none"> <li>- Support for Get, Set and Clear event has now been implemented for Sgold2 and sgold3 platform also. The source code was already in, but not available for these two platforms.</li> </ul> <p><u>MISC:</u></p> <ul style="list-style-type: none"> <li>- Tab sheet "Additional NV parameters" has been updated. You can now load an eep.cfg and the entries are added to a combo box where you are able to select between.</li> <li>- Support for DWD_get_parm_xx_from_nv and DWD_store_parm_xx_to_nv has been added. You must select "Static NV new" in the group box of EEP type, to use these new functions.</li> </ul> <p><u>SGOLD2Audio.dll v5.0</u></p> <ul style="list-style-type: none"> <li>- Fixed a problem in I2S2, where PCM direction not was updated correct, when reading the status.</li> <li>- Fixed a problem in with DSP parameter "AFE_TONE". It was not updated correct on the screen.</li> <li>- Help file added.</li> </ul> <p><u>SGOLD3Audio.dll v3.0</u></p> <ul style="list-style-type: none"> <li>- Fixed a problem in I2S2, where PCM direction not was updated correct, when reading the status.</li> </ul> <p><u>Security.dll v2.03</u></p> <ul style="list-style-type: none"> <li>- Change the default IMEI value to a valid one [06/09/2006]</li> <li>- Update SIM lock data information in GUI, after programming [26/09/2006]</li> <li>- Call "Read Status" while shifting b/w advanced and simple [27/09/2006]</li> <li>- SM DLL v02.02 added [12/10/2006]</li> <li>- Help file added.</li> </ul> <p><u>AT Terminal v2.0</u></p> <ul style="list-style-type: none"> <li>- Help file added.</li> </ul> |

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|                     | <u>DMA v2.0</u><br>- Help file added.<br><br><u>SMPower3 v1.0</u><br>- First official release.<br><br><u>GTI v1.0</u><br>- First official release<br><br><u>SIM v4.0</u><br>- Help file added.<br><br><u>SD card v3.0</u><br>- Help file added.<br><br><u>GDDAPI3x v1.0</u><br>- First release |
| Matching dwdio.dll: | <b>26.0</b>                                                                                                                                                                                                                                                                                    |

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| <b>VERSION:</b>     | <b>32.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Release date:       | 01.11.2006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Change description: | <u>FFS:</u><br>- The FFS menu has been updated so the original filename is shown if this filename not follow the rules for FFS filename e.g. 176x144.h263.3gp_3GP.FFS. You will either not be prompted any more if you want save more than one file and you have selected "No" to be prompt for each file. By default will these file with no type information be saved as GENERIC type.<br><br><u>RTC:</u><br>- Support for Get, Set and Clear event has now been implemented for Sgold2 and sgold3 platform also. The source code was already in, but not available for these two platforms.<br><br>MISC:<br><br>- Tab sheet "Additional NV parameters" has been updated. You can now load an eep.cfg and the entries are added to a combo box where you are able to select between.<br>- Support for DWD_get_parm_xx_from_nv and DWD_store_parm_xx_to_nv has been added. You must select "Static NV new" in the group box of EEP type, to use these new functions.<br><br><u>SGOLD2Audio.dll v5.0</u><br>- Fixed a problem in I2S2, where PCM direction not was updated correct, when reading the status.<br>- Fixed a problem in with DSP parameter "AFE_TONE". It was not updated correct on the screen. |

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|                     | <ul style="list-style-type: none"> <li>- Help file added.</li> </ul> <p><u>SGOLD3Audio.dll v2.1</u></p> <ul style="list-style-type: none"> <li>- Fixed a problem in I2S2, where PCM direction not was updated correct, when reading the status.</li> </ul> <p><u>Security.dll v2.03</u></p> <ul style="list-style-type: none"> <li>- Change the default IMEI value to a valid one [06/09/2006]</li> <li>- Update SIM lock data information in GUI, after programming [26/09/2006]</li> <li>- Call "Read Status" while shifting b/w advanced and simple [27/09/2006]</li> <li>- SM DLL v02.02 added [12/10/2006]</li> <li>- Help file added.</li> </ul> <p><u>AT Terminal v2.0</u></p> <ul style="list-style-type: none"> <li>- Help file added.</li> </ul> <p><u>DMA v2.0</u></p> <ul style="list-style-type: none"> <li>- Help file added.</li> </ul> <p><u>SMPower3 v1.0</u></p> <ul style="list-style-type: none"> <li>- First official release.</li> </ul> <p><u>GTI v1.0</u></p> <ul style="list-style-type: none"> <li>- First official release</li> </ul> <p><u>SIM v4.0</u></p> <ul style="list-style-type: none"> <li>- Help file added.</li> </ul> <p><u>SD card v3.0</u></p> <ul style="list-style-type: none"> <li>- Help file added.</li> </ul> <p><u>GDDAPI3x v1.0</u></p> <ul style="list-style-type: none"> <li>- First release</li> </ul> |
| Matching dwdio.dll: | <b>26.0</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

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| <b>VERSION:</b>     | <b>31.01</b>                                    |
| Release date:       | 22.09.2006                                      |
| Change description: | Support for Generic Test interface (GTI) added. |
| Matching dwdio.dll: | <b>25.0</b>                                     |

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| <b>VERSION:</b> | <b>31.00</b> |
| Release date:   | 08.09.2006   |

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| Change description: | <p><u>General changes:</u></p> <ul style="list-style-type: none"> <li>- Scroll problem when a GUI DLL is loaded has been solved.</li> <li>- A fix not to show duplicated comport has been made.</li> <li>- Problem to show trace files has been solved.</li> </ul> <p><u>About:</u></p> <ul style="list-style-type: none"> <li>- This is updated to show more information about version number etc for the available DLL used by Phone Tool.</li> </ul> <p><u>Battery:</u></p> <ul style="list-style-type: none"> <li>- Functionality to lock or unlock the charger has been implemented.</li> </ul> <p><u>FFS:</u></p> <ul style="list-style-type: none"> <li>- FFS info updated to show some more entries.</li> </ul> <p><u>OneSecond Calibration:</u></p> <ul style="list-style-type: none"> <li>- Functionality to select between Agilent and CMU200 tester type has been added.</li> </ul> <p>New Sgold2Audio.dll v4.1</p> <ul style="list-style-type: none"> <li>- Poll mechanism added.</li> <li>- Scrollbars added.</li> </ul> <p>New Sgold3Audio.dll v2.0</p> <ul style="list-style-type: none"> <li>- Scrollbars added</li> <li>- Resource overview added.</li> <li>- Poly ringer updated to get the available melody automatically and list them into a combo box.</li> <li>-</li> </ul> <p>SecurityDll.dll v2.01</p> <ul style="list-style-type: none"> <li>- No auto close support added.</li> </ul> |
| Matching dwdio.dll: | <b>25.0</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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| <b>VERSION:</b>     | <b>30.00</b>                                                                                                                                                                                                                                                                                                          |
| Release date:       | 29.06.2006                                                                                                                                                                                                                                                                                                            |
| Change description: | <p><u>Bluetooth:</u></p> <ul style="list-style-type: none"> <li>- Extended RF test mode added.</li> <li>- Check PCM interface with FFT analyse added.</li> </ul> <p><u>General:</u></p> <ul style="list-style-type: none"> <li>- Information window updated to show which EE patch concept there are used.</li> </ul> |

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|                     | <p><u>Battery:</u></p> <ul style="list-style-type: none"> <li>- New button for “Pulse charging” and logging facility for pulse charging added.</li> </ul> <p><u>EEP:</u></p> <ul style="list-style-type: none"> <li>- When enter this menu, will the EEP configuration file be loaded automatically.</li> <li>- An update to filter Fixed and Calibration parameter when perform an delta update is added.</li> </ul> <p>Audio support for SGOLD3 added.<br/> Audio updated for EGOLDRADIO.<br/> DMA monitor added ( Used by SGOLD3)<br/> SecurityDll.dll updated.<br/> Terminal.dll updated with trace facilities.<br/> SpinnerPhoneTool.dll menu updated with support for DCDC and APC.</p> |
| Matching dwdio.dll: | <b>24.0</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

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| <b>VERSION:</b>     | <b>29.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Release date:       | 31.05.2006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Change description: | <p><u>Bluetooth:</u></p> <ul style="list-style-type: none"> <li>- The 48bits Bluetooth device address can now be shown in Hex or decimal value.</li> </ul> <p><u>Exceptions log:</u></p> <ul style="list-style-type: none"> <li>- Read exception log from non memory mapped interfaces has been added for EGOLD based project also.</li> </ul> <p><u>File system:</u></p> <ul style="list-style-type: none"> <li>- Last FS error has been added.</li> </ul> <p><u>General:</u></p> <ul style="list-style-type: none"> <li>- Check for EEP CFG file has been added and displayed in the memo window.</li> <li>- Support for SMARTI PM2 added.</li> <li>- Feature support for PCM player added.</li> </ul> <p><u>Non-Signalling mode:</u></p> <ul style="list-style-type: none"> <li>- Support for SMARTI PM2 added.</li> <li>- Register Editor for SMARTI PM2 added.</li> <li>- Timing Editor for SMARTI PM2 added.</li> </ul> <p>In this menu is it also possible now to have the e.g. the Power Ramp Editor open the same time as the menu there normally are shown when enter this menu. If e.g. Power Ramp Editor is loaded can you select between the windows by using CRTL+TAB it will scroll between the windows.</p> <p><u>IRDA:</u></p> |



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|                     | <p>- Support for sending IRDA data continuously has been added.</p> <p>Audio menu for SGOLD2 based project is updated with support for MMC / SD Card in Voice Memo and PCM player. MMF support is also added to the PCM player.</p> <p>The translation of mail trace has now been updated to support Online mode also.</p> |
| Matching dwdio.dll: | <b>22.0</b>                                                                                                                                                                                                                                                                                                                |

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| <b>VERSION:</b>     | <b>28.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Release date:       | 20.04.2006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Change description: | <p>Problem to open spinner phone tool menu when SGOLD3 board is connected has been solved.</p> <p>Quick bar:</p> <ul style="list-style-type: none"> <li>- It is not possible to enter the SD card and SIM menu if these DLL's not are present.</li> </ul> <p><u>One Second Calibration:</u></p> <ul style="list-style-type: none"> <li>- Get RX calibration data updated so EGOLD Radio platform still use the old function.</li> </ul> <p><u>Graphics device:</u></p> <ul style="list-style-type: none"> <li>- Major update to this menu has been made to support sub camera and the new GDD 2.x API interface. The changes have been made in a separate DLL called GDDdll.dll, but not all phone tool installation has this DLL included. Phone Tool will use the old interface if the DLL not are present.</li> </ul> <p><u>File System:</u></p> <ul style="list-style-type: none"> <li>- An update to the MMC and NAND support has been made to support more devices. Phone Tool will ask target for supported device and show them in a combo box where you can select between these devices.</li> </ul> <p>Modified E-GoldRadio Audio DLL in order to save audio parameters on file.</p> |
| Matching dwdio.dll: | <b>21.0</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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| <b>VERSION:</b>     | <b>27.00</b>                                                                                                                                                                |
| Release date:       | 30.03.2006                                                                                                                                                                  |
| Change description: | <p>The com port setting in Phone Tool is updated, so it read the available comport from the registry database and show them in a combo box you then can select between.</p> |

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|                     | <p>General support for SGOLD3 added, but there are still some menu there need to be updated for supporting this baseband type.</p> <p><u>One Second Calibration:</u></p> <ul style="list-style-type: none"> <li>- Get RX calibration data updated.</li> </ul> <p><u>Charger:</u></p> <ul style="list-style-type: none"> <li>- Get battery info updated to support new parameter for pulse charging.</li> </ul> <p><u>Graphics Device:</u></p> <ul style="list-style-type: none"> <li>- HexStrToInt function updated to support 32bit instead of only 24bit.</li> </ul> <p><u>Bluetooth:</u></p> <ul style="list-style-type: none"> <li>- Support for extended TX CW mode added.</li> <li>- Support for checking SleepX signal added.</li> </ul> <p><u>Exception:</u></p> <ul style="list-style-type: none"> <li>- Support for reading exceptions log from Sibley flash added.</li> </ul> <p><u>Non-signalling:</u></p> <ul style="list-style-type: none"> <li>- Support for extended AFC added.</li> </ul> <p>SGOLD2Audio.dll v3.0:</p> <ul style="list-style-type: none"> <li>- TTY Enable / disable support added.</li> <li>- DAI mode support added.</li> <li>- I2S1 and I2S2 support added.</li> <li>- Voice Memo support for record and playback added.</li> <li>- PCM Player support for record and playback added.</li> </ul> |
| Matching dwdio.dll: | <b>20.0</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

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| <b>VERSION:</b>     | <b>26.10</b>                             |
| Release date:       | 28.03.2006                               |
| Change description: | - Support for EGOLDRadioAudio.dll added. |
| Matching dwdio.dll: | <b>19.1</b>                              |

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| <b>VERSION:</b>     | <b>26.00</b>                                                                                                                                                                                                                                                                                                                                                                                    |
| Release date:       | 14.03.2006                                                                                                                                                                                                                                                                                                                                                                                      |
| Change description: | <ul style="list-style-type: none"> <li>- Support for new tri-band model 850_1800_1900 added.</li> <li>- Bluetooth updated to support Bluetooth initialization, hopping, whitening.</li> <li>- Support for Power down frames added in Non-signalling mode.</li> </ul> <p>SIMDll.dll v3.0:</p> <ul style="list-style-type: none"> <li>- Functionality for Clock stop control is added.</li> </ul> |

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|                     | SGOLD2Audio.dll v2.1:<br>- Minor bug fix to AFE RXCTRL1 added.<br>- Problem with a Message Box solved. |
| Matching dwdio.dll: | <b>19.0</b>                                                                                            |

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| <b>VERSION:</b>     | <b>25.10</b>                                                                                                                                                                                                                                                                        |
| Release date:       | 02.03.2006                                                                                                                                                                                                                                                                          |
| Change description: | <p>The new security menu made in a DLL called securityDll.dll will now be loaded when you enter the security menu and the security DLL are available. Otherwise the old security menu will be shown.</p> <p>New SIMDll.dll v3.0: Functionality for Clock stop control is added.</p> |
| Matching dwdio.dll: | <b>18.0</b>                                                                                                                                                                                                                                                                         |

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| <b>VERSION:</b>     | <b>25.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Release date:       | 15.02.2006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Change description: | <p>Phone Tool is now compiled with runtime package and dynamic RTL, it means some Borland files are added in the installation, so it also can run on a PC without Borland installed.</p> <p><u>MMI TEST:</u></p> <ul style="list-style-type: none"> <li>- Vibrator is now available for BP30 platform.</li> <li>- New functionality added to get attached charger type (AC or USB). Only supported on SGOLD2 based project.</li> </ul> <p><u>Signalling test mode:</u></p> <ul style="list-style-type: none"> <li>- Set EDGE PA timing offset added.</li> </ul> <p><u>NON-Signalling mode:</u></p> <ul style="list-style-type: none"> <li>- Fixed a problem when setting mobile in non-signalling mode. Set RF mode was some times sent twice to the mobile.</li> </ul> <p>New SDCard.dll v2.1: Compiled with runtime package and dynamic RTL.</p> <p>New SIM.dll v2.2: Compiled with runtime package and dynamic RTL.</p> <p>New SGOLD2Audio.dll v2.0.</p> <ul style="list-style-type: none"> <li>- Read All now run automatically when you open Audio scheduler tab sheet.</li> <li>- Read All also run automatically when open the tone generator.</li> </ul> |

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|                     | <ul style="list-style-type: none"> <li>- AFE TX is changes to a drop down box.</li> <li>- Problem with TX gain for 30dB has been solved.</li> <li>- The order of BIQUAD filter is changed.</li> <li>- Support for internal and external ringer added.</li> <li>- A clean up in the way to load dwdio.dll has changed.</li> <li>- The DLL is now compiler with runtime package and dynamic RTL.</li> </ul> |
| Matching dwdio.dll: | <b>18.0</b>                                                                                                                                                                                                                                                                                                                                                                                               |

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| <b>VERSION:</b>     | <b>24.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Release date:       | 20.01.2006                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Change description: | <u>Bluetooth:</u> <ul style="list-style-type: none"> <li>• Problem to store TX power offset for Blue moon universal solved.</li> <li>• BMU_DATA store are now reset to zero before getting the Blue moon universal firmware version.</li> <li>• Check host interface is now enabled for both serial interface (USIF &amp; UART)</li> </ul> <u>FFS:</u> <ul style="list-style-type: none"> <li>• Problem with “Advance FFS info” corrected, when using the MPE platform.</li> <li>• Problem to list files via MMC interface corrected.</li> </ul> <u>Non-Signalling:</u> <ul style="list-style-type: none"> <li>• Correction to RX and MON channel 128 added. The showing frequency has been changed from 869 to 869.2</li> </ul> <p>New SDCard.dll v2.0 added where default value for read / write is changed and the error cause handling. Bug fix to handle free library are also added.</p> <p>New SIM.dll v2.1 added where handling of free library is corrected.</p> |
| Matching dwdio.dll: | <b>17.1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

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| <b>VERSION:</b>     | <b>23.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Release date:       | 13.12.2005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Change description: | <ul style="list-style-type: none"> <li>• Bluetooth updated to get correct EEP parameters for Blue moon universal.</li> <li>• General mode is updated to make it possible to show base band revision 2.0.</li> <li>• Capture a picture on the MPE platform would cause an error since, the picture received from target are in raw data format. Phone Tool expects a jpeg picture to show. This has now been solved.</li> <li>• Non-signalling mode is updated to support SMARTI PM in the same way as SMARTI SD2 for AFC handling.</li> <li>• Support for SD Card added.</li> <li>• RXLEV_GAIN_OFFSET is updated to support the new structure used on</li> </ul> |

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|                     | MPE platform. |
| Matching dwdio.dll: | <b>17.0</b>   |

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| <b>VERSION:</b>     | <b>22.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Release date:       | 18.11.2005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Change description: | <ul style="list-style-type: none"> <li>• Reduced signalling test functionality: Get PTM data is changed to support the changed in the structure "dwd_equ_data" which is available in dwdptest.h</li> <li>• Some problem to show SM power v1.6 when using Quick Bar corrected.</li> <li>• DSP menu is removed from Phone Tool itself and added in a separate DLL called DspDll.dll. You are still able to use the menu if the DLL are available</li> <li>• New SIM menu added. This menu is also created in a separate DLL called SimDll.dll</li> <li>• The new FM radio (SI4700) has been removed from the FM radio menu and added as a part in the new audio menu for SGOLD2. Support for RDS is added. This new SGOLD audio menu is also added in a separate DLL called Sgold2Audio.dll.</li> <li>• Bluetooth updated in the firmware information and the serial interface mode. TX interval is changed for Blue-moon universal.</li> <li>• About box is updated to get more detail information regarding dwdio.dll and Phone tool itself.</li> </ul> |
| Matching dwdio.dll: | <b>16.0</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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| <b>VERSION:</b>     | <b>21.01</b>                                                                                                                    |
| Release date:       | 11.10.2005                                                                                                                      |
| Change description: | Bug fix release: SGOLD2 and fm_present variable was default set to true, and these two should of course have been set to false. |
| Matching dwdio.dll: | <b>14.0</b>                                                                                                                     |

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| <b>VERSION:</b>     | <b>21.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Release date:       | 07.10.2005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Change description: | <p><u>Workbench:</u></p> <ul style="list-style-type: none"> <li>- Audio enable check is now enabled when CH type in TCH is set to OAHS.</li> <li>- Default setting added to the TCH sub menu.</li> <li>- Byte alignment problem solved for the function to start TCH.</li> </ul> <p><u>Audio:</u></p> <ul style="list-style-type: none"> <li>- Sub. menu "MISC" updated with 3D audio feature.</li> <li>- 100 Milliseconds delay inserted between resource and master volume.</li> </ul> <p><u>OSC:</u></p> <ul style="list-style-type: none"> <li>- OSC for RX updated.</li> <li>- One Second Calibration updated with new feature to get the XOCAL value in RX mode.</li> </ul> |

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|                     | <p><u>Graphics device:</u></p> <ul style="list-style-type: none"> <li>- Functionality to get LCD HW ID for EGOLDRADIO platform added.</li> </ul> <p><u>RTC:</u></p> <ul style="list-style-type: none"> <li>- Get, Set and Clear event added for EGOLDRADIO platform.</li> </ul> <p><u>FM Radio:</u></p> <ul style="list-style-type: none"> <li>- Support added for new FM radio chip (Si4700)</li> </ul> <p><u>Non-Signalling:</u></p> <ul style="list-style-type: none"> <li>- 4 TX slot added for SMARTI PM.</li> <li>- There was a problem to get / store the AFC parameter more than one times. This has now been solved.</li> <li>- EGOLDLITE is also using the extended ADC structures there also are used on SGOLD.</li> </ul> <p><u>IRDA:</u></p> <ul style="list-style-type: none"> <li>- The new v2 IRDA function is only available for SGOLDLITE project.</li> </ul> <p><u>QUICKBAR:</u></p> <ul style="list-style-type: none"> <li>- Problem to open the new LED menu corrected.</li> </ul> <p><u>LED:</u></p> <ul style="list-style-type: none"> <li>- The Photo light is updated so the user can insert different value as input parameter, instead of hard coded value.</li> </ul> |
| Matching dwdio.dll: | <b>14.0</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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| <b>VERSION:</b>     | <b>20.00</b>                                                                                                                                                                                                                                                                                                                                                   |
| Release date:       | 28.07.2005                                                                                                                                                                                                                                                                                                                                                     |
| Change description: | <p><u>BlueTooth:</u></p> <ul style="list-style-type: none"> <li>- Minor bug fix regarding RX cw mode where pattern selection data also was send. It should only be the RX channel.</li> <li>- The Blue tooth menu is now using DWD_btd_set_tx_burst_mode, DWD_btd_set_tx_cw_mode, DWD_btd_set_rx_cw_mode and DWD_btd_get_bluemoon_firmware_version.</li> </ul> |

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|                     | <p><u>REDUCE SIGNALING TEST:</u></p> <ul style="list-style-type: none"> <li>- OAHS added to TCH</li> <li>- OAHS added to the channel type list</li> </ul> <p><u>GRAPHICS DEVICE:</u></p> <ul style="list-style-type: none"> <li>- Wrong picture size was shown if the picture was bigger than 65535 (unsigned short int). This is now solved by using a unsigned int instead.</li> <li>- dwdio timeout delay has been increased when capturing picture in big size's</li> </ul> <p><u>AUDIO:</u></p> <ul style="list-style-type: none"> <li>- New function added to set the tone generator.</li> </ul> <p><u>ONE SECOND CALIBRATION:</u></p> <ul style="list-style-type: none"> <li>- Support for EDGE TX added.</li> </ul> |
| Matching dwdio.dll: | <b>12.0</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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| <b>VERSION:</b>     | <b>19.01</b>                                                                                                                                                                                             |
| Release date:       | 13.06.2005                                                                                                                                                                                               |
| Change description: | <p><u>FILESYSTEM:</u></p> <p>A problem to list stored files in FFS with an ID no. as filename and a specified file type has been solved.</p> <p>New icon is added to the executable file (Phone.exe)</p> |
| Matching dwdio.dll: | <b>11.1</b>                                                                                                                                                                                              |

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| <b>VERSION:</b>     | <b>19.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Release date:       | 13.06.2005                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Change description: | <p><u>BLUETOOTH:</u></p> <ul style="list-style-type: none"> <li>- Store dynamic NV parameter (Device name and mode) is changed, so these parameter now are written "on the fly"</li> </ul> <p><u>EXCEPTION:</u></p> <ul style="list-style-type: none"> <li>- Problem to read exception without any time / date and filename solved.</li> </ul> <p><u>GRAPHICS DEVICE:</u></p> <ul style="list-style-type: none"> <li>- Show GDD api version added.</li> </ul> |

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|                     | <ul style="list-style-type: none"> <li>- Structure with hw_cid_names corrected.</li> <li>- Support for controller ID MT9D111 added.</li> </ul> <p><u>NON-SIGNALING:</u></p> <ul style="list-style-type: none"> <li>- Some few bugs regarding RF chip SD3 corrected.</li> </ul> <p><u>LED:</u></p> <ul style="list-style-type: none"> <li>- Some few problems to enable the right color corrected.</li> <li>- Support for Photo light added.</li> </ul> <p><u>AUDIO:</u></p> <ul style="list-style-type: none"> <li>- AFE_VTXCTRL register updated to support SGOLD2.</li> </ul> |
| Matching dwdio.dll: | <b>11.0</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

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| <b>VERSION:</b>     | <b>18.00</b>                                                                                                                                                                                                                                                                                                                                                                                                            |
| Release date:       | 21.04.2005                                                                                                                                                                                                                                                                                                                                                                                                              |
| Change description: | <p><u>FFS:</u></p> <ul style="list-style-type: none"> <li>- The advanced info is updated with information about “Wear levelling” and Block statistic info.</li> </ul> <p><u>GRAPHICS DEVICE:</u></p> <ul style="list-style-type: none"> <li>- Support for reading picture from target in a faster way added.</li> </ul> <p><b>The Phone tool is not fully updated to support GDD driver API v2.0 at the moment.</b></p> |
| Matching dwdio.dll: | <b>10.0</b>                                                                                                                                                                                                                                                                                                                                                                                                             |

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| <b>VERSION:</b>     | <b>17.00</b>                                                                                                                                                                                                                                                                                    |
| Release date:       | 08.04.2005                                                                                                                                                                                                                                                                                      |
| Change description: | <p>Minor bug fix has been made to the IrDA and Audio menu. (Text length of edit field and range of CSPIN button corrected.</p> <p><u>BLUETOOTH:</u></p> <ul style="list-style-type: none"> <li>- Support for checking PCM interface.</li> <li>- Support for checking host interface.</li> </ul> |



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|                     | <ul style="list-style-type: none"> <li>- Support for GET/STORE Bluetooth mode</li> <li>- Support for enable / disable PCM loop back mode.</li> </ul> <p><u>SMPOWER:</u></p> <ul style="list-style-type: none"> <li>- SM-Power version 0.5 updated so it work on the same way as SM-Power menu version 1.5</li> </ul> <p><u>GRAPHICS DEVICE:</u></p> <ul style="list-style-type: none"> <li>- Support for new picture format added.</li> </ul> <p><b>The Phone tool is not fully updated to support GDD driver API v2.0 at the moment.</b></p> |
| Matching dwdio.dll: | <b>9.9</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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| <b>VERSION:</b>     | <b>16.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Release date:       | 22.03.2005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Change description: | <p><u>SIGNALING TEST:</u></p> <ul style="list-style-type: none"> <li>- Bug fix regarding store GSMK PA CH COMP &amp; EDGE PA CH COMP parameter solved.</li> <li>- Bug fix regarding store GSMK PA TEMP COMP &amp; EDGE PA TEMP COMP parameter solved. (this problem are also solved in the PowerRamp Editor</li> </ul> <p><u>FILESYSTEM:</u></p> <ul style="list-style-type: none"> <li>- New button added to make it possible, to restore default factory FFS files.</li> <li>- UTF8 support added for file and directory names.</li> </ul> <p><u>LED:</u></p> <ul style="list-style-type: none"> <li>- The LED menu is separated from the backlight menu, so the Phone Tool can distinguish between the new and old LED interface.</li> </ul> <p><u>BACKLIGHT:</u></p> <ul style="list-style-type: none"> <li>- The backlight menu has been split from LED interface.</li> </ul> <p><u>BLUETOOTH:</u></p> <ul style="list-style-type: none"> <li>- New menu to support Bluetooth test functionality.</li> </ul> <p><u>QUICKBAR:</u></p> |

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|                     | <ul style="list-style-type: none"> <li>- LED &amp; BACKLIGHT buttons have been split up in two buttons.</li> <li>- Bluetooth button added.</li> </ul> <p><u>MMI TEST:</u></p> <ul style="list-style-type: none"> <li>- Keyboard test for 64bit has been implemented.</li> </ul> <p><u>EXCEPTION:</u></p> <ul style="list-style-type: none"> <li>- Filename is shown now in Extended SW TRAP data for SGOLD family based project.</li> </ul> <p><u>MISC:</u></p> <ul style="list-style-type: none"> <li>- DWD_get_dynamic_parm_xx and DWD_store_dynamic_parm_xx implemented in the Miscellaneous menu under tab sheet "Additional NV parameters"</li> </ul> <p><u>GENERAL:</u></p> <p>The information about connected target is updated.</p> |
| Matching dwdio.dll: | <b>9.8</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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| <b>VERSION:</b>     | <b>15.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Release date:       | 24.02.2005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Change description: | <p>Load Meter, Monitor SIG., and Spinner menu only available if Target support the feature. This can be seen in the feature list, when connecting a target. Some old target software will tell you these features are supported even this is not true. The reason for this is the variable there are used by the feature present function are changed from an int16 type to int32</p> <p><u>MEMORY:</u></p> <ul style="list-style-type: none"> <li>- Memory dump updated so it possible to put all the data into a file *.txt.</li> <li>- The data you received is now displayed in a new way, where the address memory address is available for each line.</li> <li>- Dumping up to 256Kbyte data are now possible, but it depend on target software.</li> </ul> <p><u>EXCEPTIONS:</u></p> <ul style="list-style-type: none"> <li>- A problem to read more than 230 bytes exception data has been resolved.</li> </ul> <p><u>FILE SYSTEM:</u></p> <ul style="list-style-type: none"> <li>- The path where the Phone Tool should load FFS configuration file are now saved</li> </ul> |

in the phonetoo.ini file, so next time Phone Tool will load this file will start from the saved path.

- Bug fix has been made to solve a problem concerning error code. "Illegal DIR. Operation" was not written when the error code value read from target was 26.
- Bug fix concerning problems with listing files with File ID as filename has been made.
- The "FFS" name has been removed from the MKDIR dialog if you try to make a directory in MMC or NAND flash.

#### NON-SIGNALING:

- Gain & AFC settings are updated for SMARTI PM, SMARTI SD3 A0 and SMARTI SD3 v1. **# Remark (SMARTI SD3 A0 and SMARTI SD3 has not been verified yet together with a target board).**

#### QUICKBAR:

- SM power button updated to support SM power 1.6

#### SM-POWER

- Support for SM-power v1.6 added.
- SM-power menu for v1.5 and v1.6 is updated to get the actual register settings from target instead of showing default value from the SM-power specification.
- It is not possible to use the SM-power menu for v1.5 or v1.6, if Phone Tool can't read the register setting from target.

#### AUDIO:

- The number of uplink and downlink path in audio MISC. tab sheet is now unlimited in from Phone Tool point of view.
- Start MP3 playing is updated with one new parameter "NOF. Repeats".
- Playing voice memo is updated with three input parameter (Buffer size, NOF repeats and offset).
- Recording voice memo is updated with two new parameter ( Buffer size and offset).

**# Remark: The changes made for MP3 and Voice memo is not backward compatible.**

#### GENERAL:

- Detection of SM-power v1.6 added.
- Detection for new RF chipset added.
- Detection for new features such as "UMTS" and "Load Meter" added.

#### GRAPHICS DEVICE:

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|                     | <ul style="list-style-type: none"> <li>- New HW Id added.</li> <li>- New camera format added.</li> <li>- Function to shutdown LCD is added.</li> </ul> <p><u>SECURITY:</u></p> <ul style="list-style-type: none"> <li>- Parse of SGOLD PSC response data fixed.</li> </ul> |
| Matching dwdio.dll: | <b>9.7</b>                                                                                                                                                                                                                                                                 |

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| <b>VERSION:</b>     | <b>14.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Release date:       | 31.01.2005                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Change description: | <p>Support for EGOLDRADIO platform added.<br/>Support for Smarti PM added in Non-signalling test mode (Not fully completed).</p> <p><u>EEP Editor:</u></p> <ul style="list-style-type: none"> <li>- EEP start address removed from EEP information messages box in the EEP editor.</li> <li>- A Bug concerning EEP update for old project using the old delta file is solved.</li> </ul> <p><u>Signalling test mode:</u></p> <ul style="list-style-type: none"> <li>- GMSK PA CH MODE &amp; GMSK PA TEMP COMP functionality is only available now, if the target platform is a SGOLD family.</li> </ul> <p><u>File System:</u></p> <ul style="list-style-type: none"> <li>- The buttons "Save file(s) on PC" and "delete file(s) is now enable when the ffs configuration files is loaded.</li> <li>- The making new directory</li> </ul> <p><u>Quick Bar:</u></p> <ul style="list-style-type: none"> <li>- "FFS" button changed to "File System"</li> </ul> <p><u>Exception:</u></p> <ul style="list-style-type: none"> <li>- The menu has been updated to support extended trap format for the SGOLD family based project. The logging the log field in the bottom of Phone Tool has been removed and will always be logged to the Memo Field instead.</li> </ul> <p><u>Power Ramp editor:</u></p> <ul style="list-style-type: none"> <li>- Advance options are added.</li> </ul> <p><u>LoadMeter:</u></p> <ul style="list-style-type: none"> <li>- Only available for SGOLD and SGOLD2 projects.</li> </ul> |

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| Matching dwdio.dll: | <b>9.6</b> |
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| <b>VERSION:</b>     | <b>13.00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Release date:       | 07.12.2004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Change description: | <p><b><u>Graphic device:</u></b></p> <p>Frame rate for video playback is updated so it possible to select example 7.5 as fps (Frames pr second).</p> <p><b><u>OneSecond Calibration:</u></b></p> <p>This menu is also available for SGOLD based project.</p> <p>- ADC calibration added.</p> <p><b><u>MMI:</u></b></p> <p>- Long key press simulation added.</p> <p><b><u>Audio:</u></b></p> <p>- Support for new audio volume concept added.<br/>- New tab sheet "Audio Misc." added.</p> <p><b><u>Graphics Device:</u></b></p> <p>- support for new image size added (SXGA, 1_2MPIX, XGA, UXGA)</p> <p><b><u>MISC:</u></b></p> <p>- New test functionality added.</p> <p><b><u>FFS:</u></b></p> <p>- This menu has been renamed to File System.</p> <p><b><u>FILESYSTEM:</u></b></p> <p>- DIR support for Flash File System added.<br/>- Support for Multi Media Card and NAND flash added.</p> <p><b><u>SpinnerPhoneTool:</u></b></p> <p>The SpinnerPhoneTool.dll v3.05 is released together with this Phone Tool version. (Remember the SpinnerPhoneTool.dll now can be released in depended of the Phone Tool release, since the DLL now are loaded dynamic.</p> |

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|                     | <b><u>Others:</u></b><br><br>There was found a problem with trace after pressing V24AT#on of V24AT#off, this is now corrected. |
| Matching dwdio.dll: | <b>9.5</b>                                                                                                                     |

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| <b>VERSION:</b>     | <b>12.0</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Release date:       | 21.10.2004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Change description: | <b><u>AUDIO:</u></b><br>- An error regarding setting new hands-free parameters in SGOLD has been fixed.<br>- Voice recording updated to support new target interface.<br>- MP3 updated to support new target interface.<br>- Intern and Extern poly ringer updated.<br><br><b>The changes made for MP3 and Voice Recording is <u>NOT</u> backward compatible.</b><br><br><b><u>OneSecond Calibration:</u></b><br><br>- RX calibration functionality is added.<br><br><b><u>MISC:</u></b><br><br>- MMC Card hardware check added.<br><br><b><u>Spinner Tool:</u></b><br><br>The update is a major update. The zyrayphonetool.dll is now loaded dynamic instead of static, which means it should be more easier in the future to release a new DLL without recompile Phone Tool first.<br><br>- Zyrayphonetool.dll is also updated to version 3.0.1, which means you need a Spinner NVRAM structure major version 2. If you use an older are Spinner NVRAM structure can't you use this version of Phone Tool and need to switch back to version 11.<br><br><b>There is a known bug if you start up the Spinner menu for the second time without having closed down the Phone Tool first.</b><br><br><b><u>Non-Signalling:</u></b><br><br>- The number of TX timeslot is added to 4, for SGOLD based project.<br>- Set calib Parmes in GPRS testing is now enabled for EGOLD project.<br><br><b>You must be sure the target has implemented support for 4 TX slot if you want to use this functionality else a crash in the target software will occurred.</b> |

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|                     | <b><u>PowerRamp editor:</u></b><br>- Updated to EGOLD-LITE also. |
| Matching dwdio.dll: | <b>9.4</b>                                                       |

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| <b>VERSION:</b>     | <b>11.0</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Release date:       | 01.09.2004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Change description: | <b><u>OneSecondCalibration:</u></b><br>- New menu in Phone Tool for supporting One Second Calibration.<br><br><b><u>Non-Signaling:</u></b><br>- Power ramp editor modified.<br><br><b><u>MMI TEST MODE:</u></b><br>- A problem to display all digits from matrix value, for external key press is corrected.<br><br><b><u>AUDIO:</u></b><br>- Support for intern poly ringer added.<br>- Overwrite problem corrected.<br><br><b><u>Spinner:</u></b><br>- Spinner tool updated with version 2.2.0 delivery from Zyray. |
| Matching dwdio.dll: | <b>9.3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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| <b>VERSION:</b>     | <b>10.0</b>                                                                                                                                                                                                                                                                            |
| Release date:       | 14.07.2004                                                                                                                                                                                                                                                                             |
| Change description: | <b><u>NON-SIGNALING:</u></b><br>- SGOLD2 support added.<br><br><b><u>SIGNALLING TEST:</u></b><br>- An error to insert negative number in Max. PA CH COMP OFFSET for CH no. 801->885 have been corrected.<br><br><b><u>SPINNER MODE:</u></b><br>- Updated to spinner menu version 2.0.2 |

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|                     | <p><u>MON-SIGNALING TEST:</u></p> <ul style="list-style-type: none"> <li>- Corrected a bug in the OnShowMonSig function. It was not possible to see something in the menu, since the tabbed note-book visible property was set to false every time.</li> </ul> <p><u>ABOUT BOX:</u></p> <p>Updated.</p> <p><u>AUDIO:</u></p> <ul style="list-style-type: none"> <li>- Voice Memo updated to support MMF.</li> </ul> <p><u>DSP:</u></p> <ul style="list-style-type: none"> <li>- New time out value has been added in order to make it possible to increase the dwdio.dll time out value, when RAM1-&gt;FSS is selected.</li> </ul> <p><u>SETTING:</u></p> <ul style="list-style-type: none"> <li>- New check box added to enable or disable using of EEP archive file.</li> </ul> <p><u>FM RADIO:</u></p> <ul style="list-style-type: none"> <li>- Updated with some cosmetic updates.</li> </ul> |
| Matching dwdio.dll: | <b>9.2</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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| <b>VERSION:</b>     | <b>9.9</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Release date:       | 04.06.2004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Change description: | <p><u>GENERAL MODE:</u></p> <ul style="list-style-type: none"> <li>- Updated to show dwdio.dll variant as standalone number.</li> <li>- Support for SGOLD2 added.</li> </ul> <p><u>GRAPHIC DEVICE:</u></p> <ul style="list-style-type: none"> <li>- Updated to support new display types ("S44203A01", "L2F50032", "OM6206").</li> <li>- The GUI to get information about hardware ID is changed to Hardware type instead.</li> </ul> <p><u>QUICKBAR:</u></p> <ul style="list-style-type: none"> <li>- Updated with a new button to select "AT Terminal"</li> </ul> <p><u>LOAD METER:</u></p> <ul style="list-style-type: none"> <li>- Support for SGOLD2 added.</li> </ul> |



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|                     | <p><u>NON-SIGNALING:</u></p> <ul style="list-style-type: none"> <li>- Functionality to use or not use calibration parms added to GPRS testing.</li> </ul> <p><u>SIGNALLING TEST:</u></p> <ul style="list-style-type: none"> <li>- Two new buttons added to GPRS testing.</li> <li>- The PA Temp Comp limit is changed for SGOLD.</li> </ul> <p><u>MMI TEST:</u></p> <ul style="list-style-type: none"> <li>- The button to get the "on key status" is only available if the connected DUT is a SGOLD platform.</li> <li>- Buttons in tab sheet "Accessory" and "Vibrator" are only available if the connected base band belongs to the SGOLD family.</li> </ul> <p><u>FM RADIO:</u></p> <ul style="list-style-type: none"> <li>- Updated to send test handle (AUD_FM_RADIO_TEST_HANDLE 0xFA) as the first parameter in all function to the DUT. This changes are necessary for the SGOLD.</li> </ul> <p><u>MON-SIG:</u></p> <ul style="list-style-type: none"> <li>- Updated to support SGOLD2.</li> </ul> |
| Matching dwdio.dll: | <b>9.1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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| <b>VERSION:</b>     | <b>9.8</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Release date:       | 20.04.2004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Change description: | <p><u>LED &amp; BACKLIGHT:</u></p> <ul style="list-style-type: none"> <li>- Problem with Intensity drop down box corrected.</li> </ul> <p><u>AUDIO:</u></p> <ul style="list-style-type: none"> <li>- MP3 backward and Forward updated also to get.</li> <li>- Correction to getting mute status in the SGOLD menu is added.</li> <li>- Enabling and disabling PCM direction corrected. Checkboxes has been replaced with Radio buttons.</li> <li>- Wrong Test handle value for tone generator has been corrected.</li> <li>- New default value (39) added to the ringer melody.</li> <li>- New functionality for DWD_start_melody_tune_hp() added (This option can only be used if MA2 or MA3 are present in the DUT)</li> </ul> <p><u>EEPROM EDITOR:</u></p> <ul style="list-style-type: none"> <li>- Support for new project added.</li> </ul> <p><u>DSP COMMAND:</u></p> <ul style="list-style-type: none"> <li>- Send DSP command failed because the DWD_send_dsp_command was omitted for test purpose.</li> </ul> <p><u>MMI TEST:</u></p> |

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|                     | <ul style="list-style-type: none"> <li>- Bug in Vibrator test corrected.</li> <li>- Get accessories updated to show more than one accessories at the same time.</li> <li>- Start continues vibrator added under tab sheet "Misc".</li> </ul> <p><u>SIGNALING TEST MODE:</u></p> <ul style="list-style-type: none"> <li>- GMSK PA CH COMP &amp; EDGE PA CH COMP updated so the boundaries now are taken from EEP instead of hard coded values. It's only possible to see the high boundary.</li> <li>- GSM 900 limits is changed in RX level CH COMP (0-&gt;25 changed to 1-&gt;25) and (975-&gt;1023 changed to 975-&gt;0).</li> </ul> <p><u>AT TERMINAL:</u></p> <ul style="list-style-type: none"> <li>- It's a new menu, used to send normal AT command via serial communication. The menu need a <u>TERMINALDLL.DLL</u></li> </ul> <p><u>FFS:</u></p> <ul style="list-style-type: none"> <li>- Warning message will now be shown when you try to delete file in FFS.</li> <li>- Warning message will also be shown if you tried to save a file on PC there already exists.</li> </ul> <p><u>MISC:</u></p> <ul style="list-style-type: none"> <li>- Terminal tab sheet removed since a new AT terminal menu has been added instead.</li> </ul> <p><u>GRAPHIC DEVICE:</u></p> <ul style="list-style-type: none"> <li>- New warning label added to show that the DUT must have been started up in production test mode before you can read out the HW ID. Its not all project it is possible to read out HW ID.</li> </ul> <p><u>NON-SIGNALING:</u></p> <ul style="list-style-type: none"> <li>- Corrected a bug where wrong Freq and LO is shown if TX channel is set to 811.</li> </ul> <p><u>SIGNALING:</u></p> <ul style="list-style-type: none"> <li>- EGOLDLITE #define added.</li> </ul> |
| Matching dwdio.dll: | <b>8.9</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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| <b>VERSION:</b>     | <b>9.7.2</b>                                                                                                       |
| Release date:       | 15.03.2004                                                                                                         |
| Change description: | <p><u>DSP Command mode:</u></p> <p>The function to send the DSP command was commented out for test purpose and</p> |

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|                     | this is an error. Therefore, in this release is the function commented in again. |
| Matching dwdio.dll: | <b>8.8</b>                                                                       |

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| <b>VERSION:</b>     | <b>9.7.1</b>                                                                                                      |
| Release date:       | 10.03.2004                                                                                                        |
| Change description: | <u>NON-SIGNALLING TEST MODE:</u><br><br>Small correction in ADC Measurement added if the DUT is a SGOLD platform. |
| Matching dwdio.dll: | <b>8.8</b>                                                                                                        |

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| <b>VERSION:</b>     | <b>9.7</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Release date:       | 09.03.2004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Change description: | <u>SIGNALLING TEST MODE:</u><br><br>- Max PA CH COMP OFFSET not possible to set, get or store if target is SGOLD or SGOLD-LITE.<br><br><u>GRAPHIC DEVICE:</u><br><br>- Twilight mode changed so enable is index 0 and disable is index 1.<br>- Scaling rate now goes from 1-> 32 and the default value is now set to 1 instead of zero.<br>- The Group box "JPEG Compression" changed to "JPEG Picture Quality".<br>- Updated to support new LCD type (HD66766R and HD66772).<br><br><u>MMI TEST:</u><br><br>- New functionality to get the status for on key is added. (SGOLD functionality).<br><br><u>AUDIO:</u><br><br>- EGOLD LITE platform included.<br>- Volume set for SGOLD updated with test handle.<br>- Few problems to get the status of PCM direction and Mute status corrected.<br><br><u>GENERAL:</u><br>- Support for SMARTI SD B1 added. Support for SMARTI SD8 removed.<br><br><u>NON-SIGNALLING TEST MODE:</u><br>- Support for SMARTI SD B1 added. Support for SMARTI SD8 removed.<br>- Get ADC Adjusted parms updated so it depend on base band. (Current Gain, Current Offset & ACCID gain, ACCID Offset not used in E-GOLD projects).<br>- ADC measurement also updated so it depend on base band (CURR and ACCID not used in E-GOLD project). |

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|                     | <p><u>LOADMETER:</u></p> <ul style="list-style-type: none"> <li>- New functionality (SGOLD). It needs also some integration on target side.</li> </ul> <p><u>DSP:</u></p> <ul style="list-style-type: none"> <li>- Corrected a problem where old data parameters are shown if the next input not contains input data.</li> </ul> <p><b>Help file updated.</b></p> |
| Matching dwdio.dll: | <b>8.8</b>                                                                                                                                                                                                                                                                                                                                                        |

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| <b>VERSION:</b>     | <b>9.6</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Release date:       | 03.02.2004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Change description: | <p><u>AUDIO:</u></p> <ul style="list-style-type: none"> <li>- MP3 support added.</li> <li>- SGOLD audio updated with Mute function</li> <li>- Volume setting for S-Gold audio updated to support volume step 9,10,11</li> <li>- Voice Memo menu updated.</li> <li>- Uplink &amp; downlink path in SGOLD audio updated with "TTY/CTM"</li> <li>- TTY/CTM enable and disable added.</li> </ul> <p><u>NON-SIGNALLING:</u></p> <ul style="list-style-type: none"> <li>- Limits for gain setting for SMARTI DC+ v1 and SMARTI DC+ v2 is changed to -6 -&gt; 81 dB.</li> </ul> <p><u>EEPROM EDITOR:</u></p> <ul style="list-style-type: none"> <li>- Bug fix for reading parameter added.</li> </ul> <p><u>GRAPHIC DEVICE:</u></p> <ul style="list-style-type: none"> <li>- New menu added to support hardware capabilities for LCD, Camera and Video.</li> </ul> <p><u>TRACE:</u></p> <ul style="list-style-type: none"> <li>- This menu is removed from Phone Tool since it is Comneon tool called "Mobile Analyzer" there should be used instead to make Low Level trace.</li> </ul> <p><u>CAMERA:</u></p> <ul style="list-style-type: none"> <li>- This menu is removed. The functionality from this is moved to the new menu "Graphic Device"</li> </ul> <p><u>REDUCED SIGNALING TEST:</u></p> <ul style="list-style-type: none"> <li>- The drop down box for loop back mode under the tab sheet "PTM" is updated. There are added to more entry point "ASYM burst" and "TX Mixed" and one is renamed (burst -&gt; Sym burst).</li> </ul> |

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|                     | <p>- Two new drop down boxes added to start PTM. "CS1 on timeslot" and "On all other TS".</p> <p><u>MMI TEST:</u></p> <p>- Tab sheet called "Accessory" added.</p> <p>- Contrast setting removed. Its now implemented in "Graphic Device" under "LCD Interface"</p> <p><b>Help file updated.</b></p> |
| Matching dwdio.dll: | <b>8.7</b>                                                                                                                                                                                                                                                                                           |

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| <b>VERSION:</b>     | <b>9.5</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Release date:       | 11.12.2003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Change description: | <p>NON-SIGNALLING: Corrected a minor bug for showing the RF type. Problem to show correct Gain value in the combo-box after sending a value to the mobile has been corrected.</p> <p>REDUCED SIGNALLING TEST:</p> <ul style="list-style-type: none"> <li>- RACH is updated with new values (SW module and Bsic).</li> <li>- PTM updated with loop back mode.</li> <li>- FCB &amp; SB / CI updated with a new chekcbbutton where you can disable / enable Freq and Time adjustment.</li> </ul> <p>EEPROM EDITOR</p> <ul style="list-style-type: none"> <li>- The actual version and revision number will now be shown.</li> <li>- EEP info is also updated with this information.</li> </ul> <p>MISCELLANEOUS:</p> <ul style="list-style-type: none"> <li>- New TAB Sheet added.</li> </ul> <p>MMI TEST:</p> <ul style="list-style-type: none"> <li>- The limits for intensity for vibrator increased to 12.</li> </ul> <p>SM POWER: New merged from Infineon by the menu is not activated yet.</p> <p>MONITOR SIG: New merged from infineon.</p> <p>BATTERY: Get battery info updated to get a new value called "Number of TX per frame".</p> <p>QUICKBAR: The quick bar is updated so it now should be possible to enable "Monitor Signal" and "SM Power" if the connected target has support for this.</p> |

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|                     | <p>TOOLBAR: Two new speed button added "AT On" &amp; "AT Off".</p> <p>AUDIO: Audio to S-Gold updated with new stuff.</p> <p>FFS: "Update" button renamed to "Get", "Delete file(s) in phone" button renamed to "Delete file(s) in target", "Save file(s) in phone" button renamed to "Save file(s) in target". A new popup menu added if you right-click on file in the view.</p> <p>Help file updated.</p> |
| Matching dwdio.dll: | <b>8.6</b>                                                                                                                                                                                                                                                                                                                                                                                                  |

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| <b>VERSION:</b>     | <b>9.4</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Release date:       | 21.10.2003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Change description: | <p><u>NON-SIGNALLING:</u></p> <ul style="list-style-type: none"> <li>- Gain setting value now depends on the RF type.</li> <li>- Power Ramp editor updated to support EDGE Power Ramp.</li> </ul> <p><u>AUDIO:</u></p> <ul style="list-style-type: none"> <li>- Voice-Memo updated.</li> <li>- Corrected a bug in S-Gold audio ex. If you enable MIC 1 and then pres "Read All", then mic2 will be shown as selected.</li> <li>- Initialization problem solved. The structure there hold all values from "Read All" was not initialized. Its means if you reset the target and press the "Read All" button again, then will the result not be the right one, since the structure still have the old data.</li> </ul> <p><u>LED &amp; BACKLIGHT:</u></p> <ul style="list-style-type: none"> <li>- Color stream updated to send on_time and total_time for each color.</li> </ul> <p><u>TRACE:</u></p> <ul style="list-style-type: none"> <li>- It's not possible to start Low-level trace without first load a trace file.</li> </ul> <p><u>SIGNALING:</u></p> <ul style="list-style-type: none"> <li>- Problem solved to select power level 0-4, if the target is a dual band and the selected band is set to 1800.</li> </ul> <p><u>MMI TEST:</u></p> <p>New tab sheet has been made, where you can select the following</p> <ul style="list-style-type: none"> <li>- Contrast setting.</li> <li>- Keyboard</li> <li>- Vibrator</li> <li>- Misc. (Used by platform P2000)</li> </ul> |
| Matching dwdio.dll: | <b>8.5</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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| <b>VERSION:</b>     | <b>9.3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Release date:       | 03.10.2004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Change description: | <p><u>MMI</u>: Costumer specific thing added to read out MMI version.</p> <p><u>REDUCED SIGNALLING TEST</u>: TCH &amp; PTM is now split up in two tab sheets. AMR handling added in TCH</p> <p><u>MON SIGNAL</u>: Monitor signal menu added but nothing added to the form yet.</p> <p><u>RTC</u>: Updated the limits of input in date and time.</p> <p><u>SETTINGS</u>: Set PC and MS baud rate updated with 230400 bps and 460800 bps. FFS.CFG file prefix added.</p> <p>New EEP variant added (EDGY)</p> <p><u>NON-SIGNALING MODE</u>: PA Editor updated so VHOME offset and PA offset not is called when you get &amp; set power ramps for SGOLD project, since this parameter not are used. ADC meas. updated with a new value called CURR.</p> <p><u>SIGNALLING MODE</u>: SET, GET and STORE buttons will not enable if its a SGOLD, SGOLD LITE or SGOLD LITE V1.1 platform, since these parameter not are used by these platforms.</p> <p><u>EXCEPTION</u>: Updated to read exception code from SGOLD and SGOLD LITE platform.</p> <p><u>LED &amp; BACKLIGHT</u>: Photo light added. Color stream updated to its possible to add a pause in the color stream, and pressing the “No color” button does this.</p> <p><u>DSP</u>: Reprogramming of DSP patch added (POAK &amp; SOAK).</p> <p><u>WAP</u>: This menu has been removed, since it only support platform 2000.</p> <p><u>QUICKBAR</u>: updated</p> <p><u>GENERAL</u>: updated so its should be easier to see the dwdio.dll version</p> <p><u>FFS</u>: The presentation of which files there are in the FFS system is updated. Its support also filename know, when you download files into FFS and you can download any files know ex “test.jpg”.</p> <p>Help files is updated</p> |
| Matching dwdio.dll: | 8.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

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| <b>VERSION:</b>     | <b>9.2</b>                                                                                                                                          |
| Release date:       | 21.07.2003                                                                                                                                          |
| Change description: | <u>DSP</u> : Generic Test Bench updated.<br><br><u>MISC</u> : Added possibility to store to NV with checksum calculation. Get hasp id button added. |
| Matching dwdio.dll: | 8.2                                                                                                                                                 |

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| <b>VERSION:</b>     | <b>9.1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Release date:       | 07.07.203                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Change description: | <p><u>CAM</u>: Problem with reading or writing on address 0 is solved.</p> <p><u>AUDIO</u>: Start tune changed so its possible to set a value &gt; 255, Bug fix in Voice Memo recording to FFS.</p> <p><u>BATTERY</u>: New button "Get Control status" added. This button is getting some control status depend on which main, charger, measurement or capacity there is selected.</p> <p><u>DSP</u>: updated with new "Generic Test Bench". Sending DSP command updated if the DSP value are in decimal and not in hex.</p> <p><u>TRACE</u>: Corrected a bug in setup trace to Phone, It was not possible to set more than 16 types in extended mode. Problem with unknown types is also corrected in Extended mode.</p> <p><u>REDUCED SIG. TEST</u>: Loop mode was not activated after start TCH was OK. This problem is solved now. The different loop mode is also updated with new points. The points to select between is now the following</p> <p>0: Open-Loop<br/> 1: Signaling-FER<br/> 2: No Signaling-FER<br/> 3: Signaling erased and unreliable frames (Half rate-Speech only)<br/> 4: Signaling erased SID frames (Half rate-Speech only)<br/> 5: Signaling erased valid SID frames (Half rate-Speech only)<br/> 6: Burst-by-Burst-Loop</p> <p>And no.6 is set to default.</p> <p>Time slot no. Is now set default to 3, when Channel Description is enabled.</p> <p><u>IRDA</u>: Corrected a bug when enable this menu. Enter, Exit &amp; Send IRDA commands updated, so you now will see the result, when calling one of these three functions.</p> |



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|                     | <p><u>GENERAL</u>: Problem with V24AT#off corrected.<br/>The update button is updated to show info about base band and RF the target is using.</p> <p><u>SETTINGS</u>: Text to RTS check changed to "RTS enable (electrical high)".</p> <p>Pr. default is the PC baud rate 115200, "read static parm only" is enabled, "Copy status line to log window" is enabled and the quick bar will not be shown. When I mean pr. default is it when the phone tool starts up without any phonetool.ini file.</p> <p><u>LED &amp; BACKLIGHT</u>: The "Off" &amp; "All off" button are all time enabled.</p> <p><u>FFS</u>: Filename will now be shown in the file information field if it exists. The problem with "Year" in time stamp is also corrected.</p> <p>Problem with shortcut solved.</p> |
| Matching dwdio.dll: | 8.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

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| <b>VERSION:</b>     | <b>9.0</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Release date:       | 11.06.2004                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Change description: | <p><b>INLINE</b>: This menu has been renamed to "Non signaling test".</p> <p><b>TEST &amp; CALIB</b>: This menu has been renamed to "Signaling test".</p> <p><b>L1 WORKBENCH</b>: This menu has been renamed to "Reduced signaling test".</p> <p><b>SIGNALING TEST</b>: Updated with EDGE button, Audio loop removed, RX level acquisition removed.</p> <p>EDGE_PA_CH_COMP, GMSK_PA_CH_COMP, EDGE_PA_TEMP_COMP &amp; GMSK_PA_TEMP_COMP added.</p> <p>Corrected a bug when trying to set negative value.</p> <p><b>CAM</b>: Error handling updated when Read or Write JPEG picture. New Button added to read or write picture from target.</p> <p><b>AUDIO</b>: Audio mode updated so it possible to select between 0-&gt;3. Voice recording updated to stream voice memo into or from FFS.</p> <p><b>LED &amp; BACKLIGHT</b>: Color stream and Color intensity added.</p> <p><b>DSP</b>: New menu added to send DSP command to target from a DSP command file.</p> <p>Help file is updated.</p> |
| Matching dwdio.dll: | 7.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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| <b>VERSION:</b>     | <b>8.9.1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Release date:       | 09.05.2003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Change description: | <p><b>Audio:</b> Audio mode changed to 0,1,2 instead of “Normal”, “Headset” and “Hands free”.</p> <p><b>Camera:</b> Camera test group changed to “Viewfinder“. Viewfinder button changed to “Start”. “Transparent” button changed to “Stop”.</p> <p><b>Security:</b> Updated to program new binary files to test security, it only made for testing purpose and its not all target and DLL, there can use this function with success.</p> <p><b>Test &amp; Calib:</b> Default control channel is now set to channel 31 instead of channel 20.</p> <p><b>MMI:</b> “Store” button added to PN number.</p> <p>Help file is updated.</p> |
| Matching dwdio.dll: | 7.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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| <b>VERSION:</b>     | <b>8.9</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Release date:       | 08.05.2003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Change description: | <p><b>Audio:</b> Audio mode changed to 0,1,2 instead of “Normal”, “Headset” and “Hands free”.</p> <p><b>Camera:</b> Camera test group changed to “Viewfinder“. Viewfinder button changed to “Start”. “Transparent” button changed to “Stop”.</p> <p><b>Security:</b> Updated to program new binary files to test security, it only made for testing purpose and its not all target and DLL, there can use this function with success.</p> <p><b>Test &amp; Calib:</b> Default control channel is now set to channel 31 instead of channel 20.</p> <p>Help file is updated.</p> |
| Matching dwdio.dll: | 7.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

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| <b>VERSION:</b>     | <b>8.8</b>                                           |
| Release date:       | 15.04.2003                                           |
| Change description: | MMI Menu updated with some costumer specific points. |

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| Matching dwdio.dll: | 7.7 |
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| <b>VERSION:</b>     | <b>8.7</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Release date:       | 11.04.2003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Change description: | <p>Test &amp; CALIB mode changes:</p> <ul style="list-style-type: none"> <li>Set,Get and Store max. PA CH Comp changed to use 4 value now instead of two.</li> </ul> <p>MMI Test mode changes:</p> <ul style="list-style-type: none"> <li>Send external key press added.</li> <li>Get current key matrix added.</li> <li>Get key flip status added.</li> </ul> <p>Workbench mode changes:</p> <ul style="list-style-type: none"> <li>TCH/PTM updated with new Get function in Packet loop back.</li> </ul> <p>LED &amp; Backlight mode:</p> <ul style="list-style-type: none"> <li>Problem to turn on green light only corrected.</li> </ul> <p>CAM mode:</p> <ul style="list-style-type: none"> <li>Get and Put JPEG picture added</li> </ul> <p>IrDa mode:</p> <ul style="list-style-type: none"> <li>New menu.</li> </ul> <p>Audio mode:</p> <ul style="list-style-type: none"> <li>Ringer melody added.</li> </ul> |
| Matching dwdio.dll: | 7.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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| <b>VERSION:</b>     | <b>8.6</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Release date:       | 21.03.2003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Change description: | <p>Inline mode changes:</p> <ul style="list-style-type: none"> <li>PA offset value can also be shown in Power Ramp Editor.</li> <li>EDGE in setting GMSK mode is now depended on feature present.</li> </ul> <p>Test &amp; CALIB mode changes:</p> <ul style="list-style-type: none"> <li>Set, Get and Store RX Level CH Comp added.</li> <li>Show RX Level gain offset added.</li> <li>An error in getting max. pa comp offset corrected for band GSM900, parameter 2 and 3 was shifted.</li> <li>Some error for handling Quad band corrected.</li> <li>Get DAC value removed. Use DAC16 range instead.</li> </ul> <p>MMI Test mode changes:</p> <ul style="list-style-type: none"> <li>Green Button to start test image is now removed and replaced by a new button.</li> <li>Get from phone, Store to phone, load and save greeting is now removed.</li> <li>In keyboard test will the actual key matrix value now be shown, when the</li> </ul> |

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|                     | <p>keyboard test are running.</p> <ul style="list-style-type: none"> <li>New functionality for LCD test is added.</li> </ul> <p>Miscellaneous mode changes:</p> <ul style="list-style-type: none"> <li>New User Command example added.</li> </ul> <p>Workbench mode changes:</p> <ul style="list-style-type: none"> <li>New tab sheet added (RACH).</li> <li>Cosmetic changes are made</li> </ul> <p>LED &amp; Backlight and Camera menu added.</p> |
| Matching dwdio.dll: | 7.6                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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| <b>VERSION:</b>     | <b>8.5</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Release date:       | 30.01.2003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Change description: | <ul style="list-style-type: none"> <li>Support for delta files with version and revision number added.</li> <li>New button in toolbar to open and close comport added.</li> <li>If you get the PC time in RTC, will the time now be converted to 24 Hours format.</li> <li>Load and save extended trace files fixed. MoveUp and MoveDown fixed so there is no problem to change the location of the different group.</li> <li>New timer added in inline mode to stop continues TX mode after 30 minutes. This is made to save the PA module to burn off.</li> </ul> |
| Matching dwdio.dll: | 7.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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| <b>VERSION:</b>     | <b>8.4</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Release date:       | 09.01.2003                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Change description: | <ul style="list-style-type: none"> <li>Low Level Trace updated to support extended mode. Extended mode is used by the S-Gold today.</li> <li>EEP editor updated to show “Updating EEP parameter tree “to tell the communication to target is finish after reading parameters from target.</li> <li>L1 Workbench functionality implemented. It’s only possible to see the menu if the target SW support it.</li> <li>MMI menu updated by the greeting “Get from phone”, “store to Phone”, ”load picture”, ”save picture” only is showed when use some DLL variants.</li> </ul> |
| Matching dwdio.dll: | 7.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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| <b>VERSION:</b>     | <b>8.3</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Release date:       | 26.11.2002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Change description: | <ol style="list-style-type: none"> <li>1. FM radio support implemented.</li> <li>2. Voice recording support implemented</li> <li>3. Quick-bar changed to only include minimum numbers of menu.</li> <li>4. Exceptions log updated.</li> <li>5. Memory read changed.</li> <li>6. Phone tool is changed to always startup in general mode</li> <li>7. EEPROM support for new project added.</li> <li>8. PA-editor updated to also send PA-level when setting a new ramp. The V-Home parameter is also possible to get and set for a given power ramp.</li> <li>9. EEP info changed to show only the version number. Using the menu, when EE-Editor is added can show static and dynamic size.</li> <li>10. Problem with concatenated EEP names when EEP prefix is used are corrected.</li> </ol> <p>Check-button for CTS added in general mode. This is used to enable V24 if the software supports CTS.</p> |
| Matching dwdio.dll: | 7.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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| <b>VERSION:</b>     | <b>8.2</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Release date:       | 11.10.2002                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Change description: | <ol style="list-style-type: none"> <li>1. PA editor updated to support tri-band mobiles.</li> <li>2. Max PA CH Comp offset corrected for PCS 1900 tri-band.</li> <li>3. DAC16 range corrected also to get DAC value from high power levels on DCS 1800 band.</li> <li>4. Information about PC Baud rate, Comport no. And DLL version added in the status bar line.</li> <li>5. EEP prefix also set when starting the phone tool, if the prefix is set to something.</li> <li>6. Help file updated.</li> </ol> |
| Matching dwdio.dll: | 7.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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| <b>VERSION:</b>     | <b>8.1</b>         |
| Release date:       | 06.09.2002         |
| Change description: | FFS support added. |
| Matching dwdio.dll: | 7.1                |

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| <b>VERSION:</b>     | <b>8.0</b>                                                                                                                                                                                                                                                                           |
| Release date:       | 01.08.2002                                                                                                                                                                                                                                                                           |
| Change description: | <ul style="list-style-type: none"><li>• Multiband support added for Tri and Quad band</li><li>• PhoneTool.ini now saved in the same directory as the executable file instead of default windows directory.</li><li>• Support for setting different eep.cfg filename added.</li></ul> |
| Matching dwdio.dll: | 7.0                                                                                                                                                                                                                                                                                  |