

## Issues

| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee   | Updated             | Related issues                    |
|------|---------------------------------|---------|--------|----------|--|------------|---------------------|-----------------------------------|
| 4265 | libosmocore                     | Bug     | New    | Normal   | --enable-embedded doesn't work as expected   |            | 11/12/2019 11:18 AM |                                   |
| 4264 | OsmoBSC                         | Bug     | New    | Normal   | BSC_Tests.TC_ho_neighbor_config_1 test failures  | neels      | 11/12/2019 10:48 AM |                                   |
| 4251 | SIMtrace 2                      | Bug     | New    | Urgent   | simtrace2 firmware can get OOM / talloc unable to allocate buffer for APDU   | tsaitgaist | 11/07/2019 02:34 PM |                                   |
| 4250 | osmo-remsim                     | Bug     | New    | Normal   | osmo-resmsim-bankd requires unreleased libosmocore patch   | laforge    | 11/07/2019 02:23 PM |                                   |
| 4246 | Cellular Network Infrastructure | Bug     | New    | Low      | Debian testing/unstable fails to build osmocom due to python-nwdiag -> python3-nwdiag transitio                                  | osmith     | 11/05/2019 02:01 AM |                                   |
| 4243 | Osmocom.org Servers             | Bug     | New    | Normal   | master-simtrace2 failed to build from October 19 onwards: \$WORKSPACE environment missing  | osmith     | 10/30/2019 08:29 AM |                                   |
| 4240 | OsmoMSC                         | Bug     | New    | Normal   | test: incoming call when already Paging  |            | 10/21/2019 05:13 PM |                                   |
| 4239 | OsmoSTP                         | Bug     | New    | Low      | osmo-stp allows RKM de-registration of routing key that never was registered via RKM   | laforge    | 10/21/2019 12:55 PM |                                   |
| 4222 | OsmoSGSN                        | Bug     | New    | High     | Implement PS Paging for the Routing Areas  |            | 10/08/2019 04:30 PM |                                   |
| 4221 | OsmoSGSN                        | Bug     | New    | Normal   | create ttcn testcase for T3350 in combination with a PDP context   |            | 10/08/2019 04:21 PM | Related to #4221                  |
| 4207 | OsmoTRX                         | Bug     | New    | Normal   | multi-arfcn not working properly   | pespin     | 09/16/2019 05:27 PM |                                   |
| 4205 | osmo-remsim                     | Bug     | New    | Normal   | ttcn3-remsim-test only shows results for bankd   | laforge    | 09/13/2019 12:04 PM |                                   |
| 4203 | Core testing infrastructure     | Bug     | New    | Normal   | Make ttcn3-bts-test(-latest) artifacts smaller   | sysmocom   | 09/13/2019 11:18 AM |                                   |
| 4199 | OsmoBSC                         | Bug     | New    | Normal   | osmo-bsc.cfg: if 'amr tch-[fh] modes' are not in order, the config is ignored and osmo-bsc still starts                          |            | 09/12/2019 12:52 AM |                                   |
| 4193 | OsmoBSC                         | Bug     | New    | Normal   | osmux reference pdf has auto-generated plot not displayed in pdf   | pespin     | 10/16/2019 01:05 PM |                                   |
| 4179 | OsmoBTS                         | Bug     | New    | Normal   | Race condition: OsmoBTS sends empty INFO_ind to PCU socket, if not all SI arrived from BSC via RSL                               | osmith     | 09/04/2019 09:29 AM | Related to #4179,Related to #4179 |
| 4174 | osmo-fl2k                       | Bug     | New    | Normal   | After the latest commits, the fl2k tools do not exit on first SIGINT   |            | 08/25/2019 04:57 PM |                                   |
| 4172 | OsmoGGSN (former OpenGGSN)      | Bug     | New    | Normal   | osmoggsn crashes when stopping   |            | 08/29/2019 11:35 AM |                                   |
| 4166 | OsmoBSC                         | Bug     | New    | Normal   | BORKEN Error / broken lchan / WAIT_ACTIV_ACK: Timeout  |            | 08/22/2019 11:30 AM |                                   |
| 4163 | OsmoHLR                         | Bug     | New    | Normal   | Subscriber on demand: "Error while deleting subscriber data for IMSI" after changing network access mode from cs+ps back to none | osmith     | 08/22/2019 01:41 PM |                                   |
| 4162 | OsmoHNBGW                       | Bug     | New    | Normal   | when hnb with duplicate CID show up, rejected hnbap requests build up in the hnb list  |            | 08/21/2019 12:34 AM | Related to #4162                  |
| 4161 | OsmoGGSN (former OpenGGSN)      | Bug     | New    | Normal   | Implement pdp idle timer   | pespin     | 08/20/2019 06:30 PM | Related to #4161                  |
| 4158 | OsmoHNBGW                       | Bug     | New    | Normal   | segfault when paging, in a situation with duplicate CID in hnb register requests   |            | 08/21/2019 12:38 AM | Related to #4162                  |

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| 4153 | OsmoMGW                         | Bug     | New    | Normal   | 3G voice broken with ALu 9361 femto  |            | 08/16/2019 10:45 AM |  |
| 4149 | libosmocore                     | Bug     | New    | Normal   | osmo_fsm allows event names to have spaces in them                                     | laforge    | 08/24/2019 12:31 PM |  |
| 4141 | Cellular Network Infrastructure | Bug     | New    | Normal   | No osmux specific code in place during codec negotiation                               | sysmocom   | 08/05/2019 03:57 PM |  |
| 4139 | Cellular Network Infrastructure | Bug     | New    | Normal   | "make pdf" target exists, but does nothing   | osmith     | 08/02/2019 08:42 AM |  |
| 4130 | OP25                            | Bug     | New    | Normal   | OP25 User Interface  |            | 07/26/2019 02:36 AM |  |
| 4118 | SIMtrace 2                      | Bug     | New    | Normal   | VCC_PHONE strong pull on SIMtrace board  | tsaitgaist | 07/18/2019 11:54 AM |  |
| 4117 | OsmoMSC                         | Bug     | New    | Normal   | osmo-msc crash when paging SGs after MME disconnects                                   | dexter     | 08/01/2019 09:27 AM |  |
| 4116 | OsmoSGSN                        | Bug     | New    | Normal   | osmo-sgsn fails to compile on openSUSE Tumbleweed (gcc 9.1 with LTO enabled)           | Hoernchen  | 07/18/2019 05:25 AM | Related to #4116,Related to #4123  |
| 4115 | OsmoMSC                         | Bug     | New    | Normal   | osmo-msc fails to compile on openSUSE Tumbleweed (gcc 9.1 with LTO enabled)            | Hoernchen  | 07/18/2019 05:25 AM | Related to #4115,Related to #4123  |
| 4114 | OsmoGGSN (former OpenGGSN)      | Bug     | New    | Normal   | osmo-ggsn fails to compile on openSUSE Tumbleweed (gcc 9.1 with LTO enabled)           | Hoernchen  | 07/18/2019 05:24 AM | Related to #4114,Related to #4123  |
| 4113 | OsmoBSC                         | Bug     | New    | High     | osmo-bsc fails to compile on openSUSE Tumbleweed (gcc 9.1 with LTO enabled)            | Hoernchen  | 07/19/2019 09:36 PM | Related to #4114,Related to #4115,Related to #4113,Related to #4116,Related to #4123 |
| 4112 | OpenBSC                         | Bug     | New    | Normal   | OpenBSC fails to compile on openSUSE Tumbleweed (gcc 9.1 with LTO enabled)             | Hoernchen  | 07/18/2019 05:25 AM | Related to #4113,Related to #4123  |
| 4108 | Cellular Network Infrastructure | Bug     | New    | Low      | osmo-ctrl2cgi, osmo-trap2cgi: missing default configs                                  |            | 07/16/2019 12:30 PM | Related to #4108   |
| 4104 | libosmocore                     | Bug     | New    | Normal   | support for KASME generation   | laforge    | 07/12/2019 10:15 AM | Related to #4105   |
| 4101 | rtl-sdr                         | Bug     | New    | Normal   | Memory leak in the rtlcdr_open routine of librtlsdr                                    | perceval62 | 07/11/2019 05:39 PM |  |
| 4098 | gr-osmosdr                      | Bug     | New    | Normal   | [BladeRF micro] Arguments set in osmocore Sink and Source are not passed to libbladerf | horiz0n    | 07/18/2019 05:35 AM |  |
| 4095 | libosmocore                     | Bug     | New    | High     | osmo_get_rand_id() can fail under debian jessie  | osmith     | 07/18/2019 05:50 AM |  |
| 4094 | OpenBSC                         | Bug     | New    | Normal   | multiple crashes due to connection failures / drops                                    |            | 07/09/2019 07:41 PM | Related to #4094   |
| 4087 | SIMtrace 2                      | Bug     | New    | Normal   | remove bogus targets from build process and ftp dir                                    | tsaitgaist | 07/04/2019 08:56 AM |  |
| 4083 | Osmocom.org Servers             | Bug     | New    | Normal   | git.osmocom.org: error: garbage at end of loose object                                 | sysmocom   | 10/21/2019 12:15 PM |  |
| 4082 | OsmoBTS                         | Bug     | New    | Normal   | OML: Unknown/unhandled PCHAN type: 0 NONE  |            | 07/01/2019 07:14 AM |  |

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| 4074 | libosmocore                     | Bug     | New    | Normal   | LAPD timers completely broken   | Osmocom CNI Developers | 06/21/2019 04:12 PM | Related to #4074                  |
| 4072 | libosmo-sccp + libosmo-sigtran  | Bug     | New    | Normal   | Implement IPA PING/PONG mechanism in libosmo-sigtran +                        | Hoernchen              | 06/21/2019 02:51 PM | Related to #4072                  |
| 4070 | OsmoBSC                         | Bug     | New    | Normal   | Implement IPA PING/PONG mechanism on RSL and OML                              | Hoernchen              | 06/21/2019 02:47 PM |                                   |
| 4069 | Cellular Network Infrastructure | Bug     | New    | Normal   | Implement IPA PING/PONG mechanism everywhere                                  | Hoernchen              | 06/21/2019 02:44 PM | Related to #4072                  |
| 4041 | SIMtrace 2                      | Bug     | New    | Normal   | implement SIMTRACE_CMD_BD_BOARD_INFO  | tsaitgaist             | 08/06/2019 02:12 PM | Related to #4041                  |
| 4034 | OsmoMGW                         | Bug     | New    | Normal   | Bad default value for number of endpoints                                     |                        | 05/31/2019 02:52 PM |                                   |
| 4031 | OsmoBTS                         | Bug     | New    | Normal   | OML part of BTS has no TTCN-3 tests   |                        | 09/04/2019 09:04 AM | Related to #4031,Related to #4031 |
| 4028 | libosmocore                     | Bug     | New    | Normal   | libosmocore build job hangs indefinitely / port 42000 already used            | osmith                 | 07/18/2019 05:50 AM |                                   |
| 4019 | OsmoPCU                         | Bug     | New    | Normal   | implement a command to show all informations from the bts                     |                        | 05/23/2019 03:08 PM |                                   |
| 4018 | OsmoPCU                         | Bug     | New    | Normal   | investigate ordering of includes paths  |                        | 05/23/2019 10:59 AM |                                   |
| 4017 | OsmoMSC                         | Bug     | New    | Normal   | MSC fails to handle calls   |                        | 05/29/2019 04:56 PM |                                   |
| 4009 | OsmoBTS                         | Bug     | New    | Normal   | Channel Activation starts SACCH too early in Synchronous Handover             |                        | 07/18/2019 05:15 AM | Related to #4009,Related to #4010 |
| 4008 | OsmoBTS                         | Bug     | New    | Normal   | Channel Activation starts SACCH too early in Asynchronous Handover            |                        | 07/18/2019 05:15 AM | Related to #4008,Related to #4010 |
| 4005 | OsmoMGW                         | Bug     | New    | Normal   | TTCN3 crashes when receiving an RTP MGCP_DUMMY_LOAD from osmo-mgw during CRCX | sysmocom               | 05/16/2019 02:45 PM | Related to #4005                  |
| 4004 | OsmoMSC                         | Bug     | New    | Low      | lu_fsm_priv.rej_cause is never used   | neels                  | 05/16/2019 08:33 AM |                                   |
| 3992 | OsmoMSC                         | Bug     | New    | Normal   | inter-MSC handover for signalling-only?                                       |                        | 05/09/2019 11:39 AM |                                   |
| 3983 | libosmocore                     | Bug     | New    | Normal   | osmo_fsm_inst_change_parent() forgets to talloc reparent                      |                        | 05/08/2019 08:00 AM |                                   |
| 3981 | OsmoTRX                         | Bug     | New    | Normal   | osmo-trx-lms: Overruns appear from time to time                               | pespin                 | 07/30/2019 04:17 PM | Related to #3981                  |
| 3980 | OsmoMGW                         | Bug     | New    | Normal   | Clear Command before CRCX OK may leak MGW endpoint                            |                        | 05/06/2019 10:11 PM |                                   |
| 3976 | OsmoBSC                         | Bug     | New    | Normal   | osmo-bsc: heap-use-after-free upon MGW CRCX failure response                  | neels                  | 05/06/2019 11:03 AM |                                   |
| 3975 | OsmoBSC                         | Bug     | New    | Normal   | osmo-bsc crash during startup with nokia insite                               | laforge                | 07/18/2019 06:00 AM | Related to #3975                  |
| 3970 | OsmoTRX                         | Bug     | New    | Low      | libusrp fails to compile 1/4 of times in jenkins with PARALLEL_MAKE set       | sysmocom               | 08/09/2019 12:27 PM | Is duplicate of #3970             |
| 3964 | OsmoSGSN                        | Bug     | New    | Normal   | SIGSEGV in sndcp_sm_deactivate_ind()  |                        | 10/10/2019 07:11 PM | Related to #3964,Related to #4221 |
| 3958 | testproject                     | Bug     | New    | Normal   | ./mobile select ARFCN   |                        | 04/25/2019 09:49 AM |                                   |
| 3949 | OsmoTRX                         | Bug     | New    | Normal   | osmo-trx-lms: improve runtime gain setting (missing calibration)              |                        | 04/23/2019 08:32 AM |                                   |

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| 3940 | OsmoSGSN                       | Bug     | New    | Normal   | TTCN-3: lu: test UMTS Auth  |          | 04/24/2019 08:24 AM |  |
| 3939 | OsmoSGSN                       | Bug     | New    | Normal   | TTCN: do a GMM Attach Request when in GMM Connected and have a PDP Request  |          | 04/24/2019 08:25 AM |  |
| 3936 | OsmoSGSN                       | Bug     | New    | Normal   | lu: first GMM Service Request does not find a MM ctx  |          | 05/07/2019 01:37 PM | Related to #3936                                   |
| 3929 | OsmoPCU                        | Bug     | New    | Normal   | Missing PCU_Tests.ttcn link adaptation tests  | lynxis   | 10/04/2019 08:15 PM | Related to #3929                                   |
| 3926 | OsmoPCU                        | Bug     | New    | High     | Missing PCU_Tests.ttcn DL TBF tests   | lynxis   | 04/15/2019 07:55 AM |  |
| 3925 | OsmoPCU                        | Bug     | New    | High     | Missing PCU_Tests.ttcn UL TBF tests   | osmith   | 09/05/2019 05:08 PM | Related to #3925,Related to #4180                  |
| 3923 | OsmoSGSN                       | Bug     | New    | Normal   | lu: Respond to SecurityCommandReject messages   |          | 04/24/2019 08:26 AM | Related to #3923                                   |
| 3921 | libosmo-sccp + libosmo-sigtran | Bug     | New    | Normal   | high local reference numbers get cut off  |          | 04/12/2019 01:23 PM |  |
| 3917 | OsmoGSMTester                  | Bug     | New    | Normal   | update debian packages to match our dependencies  | lynxis   | 04/11/2019 04:12 PM |  |
| 3909 | libosmocore                    | Bug     | New    | Normal   | osmo_get_rand_id() fails in containerised environment   |          | 04/07/2019 04:05 PM | Related to #3909                                   |
| 3883 | osmo-remsim                    | Bug     | New    | Urgent   | osmo-remsim user manual lacks examples  | laforge  | 07/16/2019 02:43 PM |  |
| 3882 | gr-osmosdr                     | Bug     | New    | Normal   | Cannot compile gr-osmosdr!  | horizon  | 07/18/2019 05:35 AM |  |
| 3880 | OsmoMSC                        | Bug     | New    | Normal   | GSUP MT-ForwardSM Message Reference - wrong value in a response   |          | 04/01/2019 07:47 AM |  |
| 3879 | OsmoPCU                        | Bug     | New    | Normal   | TC_sns_1c1u_so_bvc_reset has never passed on jenkins  | laforge  | 03/30/2019 11:13 AM |  |
| 3867 | libosmocore                    | Bug     | New    | Normal   | Some older Osmocom program releases don't build against current master libosmo*   | osmith   | 03/28/2019 04:30 PM | Related to #3867                                   |
| 3865 | OsmoBSC                        | Bug     | New    | Normal   | nanoBTS: GPRS not working anymore, modems unable to attach in osmo-gsm-tester   | osmith   | 07/18/2019 05:03 AM | Is duplicate of #3865                              |
| 3855 | gr-osmosdr                     | Bug     | New    | Normal   | Cannot build gr-osmosdr with Gnuradio 3.8   | horizon  | 09/28/2019 06:49 AM |  |
| 3849 | OsmoMGW                        | Bug     | New    | Normal   | race condition problem in rtp flow tests of the ttcn3 testsuite   |          | 09/04/2019 09:26 AM |  |
| 3841 | OsmoBSC                        | Bug     | New    | Low      | cosmetic: tearing down the old lchan after inter-BSC handover always goes through RELEASE_AFTER_ERROR (instead of normal release) | neels    | 05/08/2019 05:43 PM |  |
| 3834 | OsmoPCU                        | Bug     | New    | Normal   | MS set_mode()/set_current_cs_*) inconsistent results  | lynxis   | 04/15/2019 07:48 AM | Related to #3834,Related to #3834,Related to #3834 |
| 3829 | OsmoMSC                        | Bug     | New    | Normal   | osmo-msc expects aoip TLV in Assignement Complete messages from BSC   |          | 03/07/2019 08:30 PM |  |
| 3822 | OsmoMGW                        | Bug     | New    | Low      | conn mode "sendonly" behaves identically to "sendrecv"  |          | 03/04/2019 09:34 PM |  |
| 3820 | OsmoHNBGW                      | Bug     | New    | Normal   | osmo-hnbgw does not properly do RANAP RESET and RESET ACK on the link towards MSC and SGSN  |          | 03/04/2019 07:59 PM | Related to #3944                                   |

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|------|---------------------------------|---------|--------|----------|---|------------|---------------------|---|
| 3817 | SDR (Software Defined Radio)    | Bug     | New    | Normal   | Unable to use fospor display on Ubuntu 18.10  |            | 02/26/2019 06:56 PM |   |
| 3815 | SIMtrace 2                      | Bug     | New    | Normal   | simtrace2 fails USB-IF CH9 test   | tsaitgaist | 02/23/2019 03:10 PM |   |
| 3814 | OsmoBSC                         | Bug     | New    | Normal   | MS Power Control Problem with Osmo-BSC and nanoBTS  |            | 02/24/2019 01:15 AM |   |
| 3797 | rtl-sdr                         | Bug     | New    | Normal   | Exits with "Bus error"  |            | 02/12/2019 02:28 PM |   |
| 3796 | OsmoBTS                         | Bug     | New    | Low      | OsmoBTS doesn't send proper cause values in NACK  |            | 07/18/2019 06:04 AM | Related to #3796  |
| 3792 | OsmoBTS                         | Bug     | New    | Normal   | OsmoBTS doesn't include the "Starting Time" attribute in "Set BTS Attributes ACK"           | osmith     | 07/18/2019 06:05 AM |   |
| 3791 | OsmoBTS                         | Bug     | New    | Low      | OsmoBTS doesn't include the "IPA Destination IP Address" attribute in "IPA RSL Connect ACK" | laforge    | 02/07/2019 07:46 PM | Related to #3791  |
| 3787 | OsmoBSC                         | Bug     | New    | Low      | Assignment Request modifies conn->codec_list before the Assignment is successful            | dexter     | 05/08/2019 03:38 PM |   |
| 3786 | OsmoBSC                         | Bug     | New    | Low      | Assignment Request modifies conn->lcls state before the Assignment is successful            | dexter     | 05/08/2019 03:37 PM |   |
| 3782 | OsmoBTS                         | Bug     | New    | Normal   | OML bringup fails for osmo-bts-oc2g on high latency links                                   | dexter     | 03/26/2019 08:26 AM | Related to #3782,Related to #3782,Related to #3789,Related to #4031 |
| 3780 | OsmoBTS                         | Bug     | New    | Normal   | existing test suite doesn't catch wrong measurement processing                              | Hoernchen  | 07/12/2019 04:27 PM |   |
| 3776 | OP25                            | Bug     | New    | Normal   | Build fail using gcc version 7.3.0 Ubuntu 18.04.1 LTS                                       |            | 07/05/2019 07:12 PM |   |
| 3763 | osmo-sip-connector              | Bug     | New    | Normal   | Implement correct handling for call answered elsewhere                                      |            | 01/22/2019 01:03 PM |   |
| 3753 | Cellular Network Infrastructure | Bug     | New    | Low      | Update .deb to use dh_missing   | sysmocom   | 07/18/2019 05:22 AM | Related to #3753  |
| 3744 | OsmoBSC                         | Bug     | New    | Normal   | include/osmocom/bsc/gsm_data.h: OSMO_ASSERT(conn->lchan); failed in conn_get_bts()          |            | 12/30/2018 10:39 AM |   |
| 3741 | osmo-sip-connector              | Bug     | New    | Normal   | Unknow call parameters shown in vty   |            | 12/28/2018 02:01 PM |   |
| 3740 | OsmoGSMTester                   | Bug     | New    | Normal   | Figure out best fix for iperf3m4.py where some MS fails to register                         | pespin     | 12/20/2018 05:50 PM |   |
| 3737 | OsmoBSC                         | Bug     | New    | Low      | abort because unused lchan has non-null conn pointer, after AMR config error                |            | 05/08/2019 03:35 PM |   |
| 3734 | gr-osmosdr                      | Bug     | New    | High     | Cannot compile gr-osmocom   |            | 12/16/2018 12:22 AM |   |
| 3731 | OsmoMGW                         | Bug     | New    | Normal   | TTCN3 TC_rtpem_selftest randomly fails  | daniel     | 12/13/2018 12:37 PM |   |
| 3724 | osmo-sip-connector              | Bug     | New    | Normal   | Wrong media format used in SIP INVITE causes one-way audio                                  |            | 12/11/2018 02:57 PM | Related to #3724  |
| 3723 | SIMtrace 2                      | Bug     | New    | Low      | better error message when starting second remsim  | tsaitgaist | 12/09/2018 04:16 PM |   |
| 3715 | OsmoGSMTester                   | Bug     | New    | Low      | osmo-gsm-tester: Mainloop.wait() hangs forever in Mainloop.poll()                           | pespin     | 12/03/2018 09:53 AM |   |
| 3712 | SIMtrace 2                      | Bug     | New    | Low      | TRACE_FATAL not printing  | tsaitgaist | 11/27/2018 10:57 AM |   |
| 3703 | OsmoBTS                         | Bug     | New    | Normal   | sporadic failures of TC_tch_sign_l2_fill_frame test case                                    |            | 11/22/2018 02:58 PM |   |

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| 3696 | OsmoSGSN                        | Bug     | New    | Normal   | Intermittent Connection Drop  | lynxis          | 05/08/2019 12:14 PM |                  |
| 3694 | Cellular Network Infrastructure | Bug     | New    | Low      | Fix lintian warnings in .deb packages                               |                 | 07/18/2019 05:20 AM | Related to #3699 |
| 3689 | OsmoSGSN                        | Bug     | New    | Normal   | Support Cisco GGSN (Cisco 7200 with IOS 12.4.x)                     |                 | 04/09/2019 11:21 AM |                  |
| 3683 | SIMtrace 2                      | Bug     | New    | Low      | no reset after DFU flash  | tsaitgaist      | 11/06/2018 04:37 PM |                  |
| 3676 | OsmoGSMTester                   | Bug     | New    | Normal   | ofono: org.ofono.ConnectionManager property Bearer returning "none" | osmo-gsm-tester | 10/29/2018 01:11 PM |                  |
| 3669 | OsmocomBB                       | Bug     | New    | Normal   | empty IMSI in vty   |                 | 10/24/2018 04:15 PM |                  |
| 3663 | gr-osmosdr                      | Bug     | New    | Normal   | Can't compile gr-osmosdr on macOS Mojave                            |                 | 10/19/2018 02:37 PM |                  |
| 3662 | gr-gsm                          | Bug     | New    | Normal   | not building on OSX 10.13.4   |                 | 10/29/2018 08:52 AM |                  |
| 3660 | Cellular Network Infrastructure | Bug     | New    | Normal   | TTCN3 Jenkins jobs leave Docker containers running when stopped     | osmith          | 10/11/2019 01:04 PM |                  |
| 3653 | OsmocomBB                       | Bug     | New    | Normal   | FACCH/H sometimes not received by BTS with osmocomBB+motorolaCXX    |                 | 10/22/2018 02:37 PM |                  |
| 3652 | OsmocomBB                       | Bug     | New    | Normal   | Incorrect IMEISV setting in mobile application                      |                 | 10/12/2018 08:20 PM |                  |
| 3642 | OsmoBSC                         | Bug     | New    | Low      | logging filter imsi leaks bsc_subscr references                     |                 | 10/09/2018 10:04 PM |                  |
| 3629 | OsmocomBB                       | Bug     | New    | Normal   | mobile aborting after 'test re-selection 1' on vty                  |                 | 10/04/2018 02:58 PM |                  |
| 3626 | libosmocore                     | Bug     | New    | Low      | LAPDm code pulls both 'l1h' and 'l2h' of msgb                       | fixeria         | 11/27/2018 09:43 PM |                  |
| 3622 | libosmo-abis                    | Bug     | New    | Normal   | Clear API mess in sign_link_up callback                             | pespin          | 10/02/2018 07:34 PM |                  |
| 3593 | gr-osmosdr                      | Bug     | New    | Low      | rtl: 'len' argument ignored in librtlsdr callback                   | horiz0n         | 07/18/2019 05:35 AM |                  |
| 3592 | gr-osmosdr                      | Bug     | New    | Normal   | rtl: Race Conditions  | horiz0n         | 07/18/2019 05:35 AM |                  |
| 3591 | rtl-sdr                         | Bug     | New    | Normal   | No Way To Detect Occasional Failed Bulk Transfers                   |                 | 09/25/2018 01:29 PM |                  |
| 3590 | rtl-sdr                         | Bug     | New    | Normal   | Key Functions Missing Documentation                                 |                 | 09/25/2018 01:04 PM |                  |
| 3589 | rtl-sdr                         | Bug     | New    | Normal   | ZeroCopy Buffers Unusable Outside Callback Without memcpy()         |                 | 09/25/2018 12:58 PM |                  |
| 3588 | rtl-sdr                         | Bug     | New    | Normal   | Error Values Inconsistent   |                 | 09/25/2018 12:47 PM |                  |
| 3572 | OsmoBTS                         | Bug     | New    | Normal   | Incorrect TDMA frame number calculation on TCH channels             | sysmocom        | 05/08/2019 06:08 PM | Related to #3803 |
| 3567 | Cellular Network Infrastructure | Bug     | New    | Low      | coverity: move the secret token out of \$HOME/osmo-ci/.../          | lynxis          | 07/18/2019 05:22 AM |                  |
| 3557 | OsmocomBB                       | Bug     | New    | Normal   | trxcon: decoding errors after applying a new TCH mode               | fixeria         | 06/21/2019 11:56 AM |                  |
| 3554 | OsmocomBB                       | Bug     | New    | Normal   | trxcon/scheduler: misaligned burst reception                        | fixeria         | 06/21/2019 11:56 AM |                  |
| 3541 | Cellular Network Infrastructure | Bug     | New    | Normal   | Conflicting Debian packages: python3-osmopy-utils and osmocom-nitb  | osmith          | 09/30/2018 11:53 AM | Related to #3541 |
| 3531 | OP25                            | Bug     | New    | Normal   | Unknown status of the p25 wireshark plugin                          |                 | 09/07/2018 02:46 PM |                  |
| 3510 | OsmoBTS                         | Bug     | New    | Normal   | Make sure the ECU (Error Concealment Unit) is working correctly     | tnt             | 05/15/2019 03:48 PM |                  |

| #    | Project                         | Tracker | Status | Priority | Subject   | Assignee  | Updated             | Related issues                    |
|------|---------------------------------|---------|--------|----------|---|-----------|---------------------|-----------------------------------|
| 3499 | OsmoPCU                         | Bug     | New    | Normal   | pcu is logging "Allocating DL TBF: MS_CLASS=0/0" ; TLV parsing code commented?  | lynxis    | 04/15/2019 07:48 AM | Related to #3499                  |
| 3478 | OsmoBTS                         | Bug     | New    | Normal   | struct member lchan->meas.bts_tx_pwr is never set   | dexter    | 08/20/2018 09:51 AM |                                   |
| 3474 | OsmoBSC                         | Bug     | New    | Normal   | SDCCH not released if Radio Link Failure / Sending Connection Failure: cause = 0x001 Experienced in osmo-bsc and osmo-bts-trx |           | 08/20/2018 01:02 AM |                                   |
| 3472 | OsmoPCU                         | Bug     | New    | Low      | GPRS connection is in a state where pdp-context is active, but data TX cannot initiate from Network side.                     | lynxis    | 04/15/2019 07:52 AM | Related to #3472                  |
| 3471 | Osmocom.org Servers             | Bug     | New    | Normal   | host2.osmocom.org not starting all services on reboot.  | laforge   | 08/18/2018 01:50 PM |                                   |
| 3462 | gr-osmosdr                      | Bug     | New    | Normal   | gr-osmosdr installation bladerf conversion errors   | horiz0n   | 07/18/2019 05:35 AM |                                   |
| 3459 | gr-gsm                          | Bug     | New    | High     | apps/grgsm_trx: AssertionError: packe t_info.packet_count == (seq_to_ack & 0xffff)  | ptrkrysik | 08/10/2018 07:58 AM |                                   |
| 3443 | OsmoMGW                         | Bug     | New    | Normal   | Check audio-payload options in osmo-mgw VTy   |           | 08/02/2018 03:59 PM |                                   |
| 3442 | OsmoMGW                         | Bug     | New    | Normal   | fix int mgcp_codec_decide() in mgcp_codec.c   |           | 09/04/2019 09:26 AM |                                   |
| 3425 | gr-gsm                          | Bug     | New    | Normal   | Receiver: missing AGC (Automatic Gain Control)  |           | 07/26/2018 08:25 PM |                                   |
| 3422 | gr-gsm                          | Bug     | New    | Normal   | Receiver: sample / burst buffering problem  | ptrkrysik | 07/27/2018 07:56 PM |                                   |
| 3417 | Cellular Network Infrastructure | Bug     | New    | Normal   | show asciidoc counters does not show all the counters available   |           | 09/04/2019 09:21 AM | Related to #3417                  |
| 3403 | OsmoSGSN                        | Bug     | New    | Normal   | osmo-sgsn doesn not connect properly with via SCCP when restarted   | lynxis    | 04/15/2019 07:29 AM | Related to #3403                  |
| 3401 | OsmocomBB                       | Bug     | New    | Normal   | target/firmware/l1ctl: both chan_nr and link_id are not set for L1CTL_DATA_CONF   |           | 07/16/2018 11:56 PM |                                   |
| 3398 | GSM Audio Pocket Knife          | Bug     | New    | Normal   | build: configure fails if (optional) libalsa wasn't found   | fixeria   | 07/16/2018 08:45 PM |                                   |
| 3388 | libosmocore                     | Bug     | New    | Normal   | NS-RESET / NS-UNBLOCK / NS-BLOCK are not specified over IP/UDP  | laforge   | 02/23/2019 02:37 PM | Related to #3388                  |
| 3382 | Cellular Network Infrastructure | Bug     | New    | Normal   | Investigate and fix lintian issues listed by Debian Lintian Report  | osmith    | 09/01/2018 08:40 PM |                                   |
| 3357 | OsmoBSC                         | Bug     | New    | Normal   | osmo-bsc doesn't perform RSL MODE MODIFY on ASSIGNMENT if channel is compatible.  | dexter    | 10/02/2018 02:54 PM | Related to #3357                  |
| 3354 | Osmocom.org Servers             | Bug     | New    | Normal   | Gerrit: wrong redirect URL after signing in   |           | 06/18/2018 09:20 PM |                                   |
| 3324 | OsmoGSMTester                   | Bug     | New    | Normal   | production setup: EC20 fails to enumerate   | lynxis    | 06/23/2018 06:55 PM |                                   |
| 3320 | OsmoGSMTester                   | Bug     | New    | Normal   | add a README about the python dependencies  | pespin    | 06/06/2018 08:38 AM |                                   |
| 3308 | Osmocom.org Servers             | Bug     | New    | Normal   | jenkins: master-asn1c build: "error: 'param' undeclared"  |           | 08/20/2018 04:09 PM |                                   |
| 3284 | OsmoPCU                         | Bug     | New    | Normal   | GPRS cell re-selection appears sticky in packet transfer / packet idle mode   | lynxis    | 04/15/2019 07:49 AM | Related to #2400,Related to #3284 |
| 3278 | OsmoNITB                        | Bug     | New    | Normal   | Disconnected ESME socket leaves esme entry in smsc->esme_list   |           | 05/18/2018 12:04 AM |                                   |
| 3276 | Osmocom.org Servers             | Bug     | New    | Low      | 502 during cgit rendering of large repo / increase proxy timeout  | laforge   | 05/17/2018 12:28 PM |                                   |

| #    | Project                                    | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|--|---------|--------|----------|---|----------|---------------------|-----------------------------------|
| 3260 | E1/T1 Hardware Interface                   | Bug     | New    | High     | Implement libosmo-abis input for new E1 interface   | laforge  | 07/18/2019 05:34 AM | Related to #3965,Related to #3260 |
| 3243 | OsmoBSC                                    | Bug     | New    | Normal   | there is MGW config for each separate 'msc', but the MGW settings are stored only once globally |          | 05/07/2018 03:10 PM |                                   |
| 3240 | gr-osmosdr                                 | Bug     | New    | Normal   | Expose airspy gain setting in gr-osmosdr block  |          | 06/03/2018 12:08 PM |                                   |
| 3224 | OsmoSGSN                                   | Bug     | New    | Normal   | verify ciphering after UMTS AKA   | lynxis   | 04/15/2019 07:30 AM | Related to #3193,Related to #3224 |
| 3201 | Osmocom Conferences (OsmoDevCon + OsmoCon) | Bug     | New    | Normal   | OsmoDevCon: Add one more rectangular table  |          | 04/23/2018 07:00 PM |                                   |
| 3200 | Osmocom Conferences (OsmoDevCon + OsmoCon) | Bug     | New    | Normal   | OsmoDevCon: Use loudspeakers even at IN-Berlin  |          | 04/23/2018 06:53 PM |                                   |
| 3192 | Cellular Network Infrastructure            | Bug     | New    | Normal   | meas_vis: use the lchan identity as primary key, not the IMSI                                   | laforge  | 05/08/2019 02:37 PM | Related to #3192,Related to #3192 |
| 3190 | OsmoBSC                                    | Bug     | New    | Normal   | RSL DELETE INDication not implemented   | osmith   | 07/18/2019 05:42 AM |                                   |
| 3177 | OsmoSGSN                                   | Bug     | New    | Low      | gbproxy: gprs_gb_parse_dtap doesn't handle AUTH & CIPHER REQUEST messages                       | pespin   | 05/27/2019 09:18 AM | Related to #1959                  |
| 3169 | OsmoMSC                                    | Bug     | New    | Low      | OsmoMSC rejects SMPP messages with empty SMS  | sysmocom | 04/14/2018 06:43 PM |                                   |
| 3167 | Cellular Network Infrastructure            | Bug     | New    | Low      | Build osmo-* -master docker containers with address sanitizer                                   | osmith   | 07/18/2019 05:22 AM | Related to #3167                  |
| 3163 | OsmoMSC                                    | Bug     | New    | Low      | RANAP: reject Level 3 Complete from cells with invalid LAI                                      | osmith   | 07/18/2019 05:47 AM | Related to #3162,Related to #3163 |
| 3141 | OsmoTRX                                    | Bug     | New    | Normal   | Refactor / clean up TRX CTRL / DATA interfaces implementation                                   |          | 04/05/2018 05:46 PM |                                   |
| 3127 | Cellular Network Infrastructure            | Bug     | New    | High     | update the [[Osmocom Network In The Box]] wiki page   | daniel   | 05/08/2019 02:37 PM |                                   |
| 3126 | SDR (Software Defined Radio)               | Bug     | New    | Low      | Windows 10 Pro 1709: crash of rtl_test.exe  |          | 03/30/2018 02:16 PM |                                   |
| 3125 | OsmoMSC                                    | Bug     | New    | Low      | testcase for fixed "osmo-msc crashes while handling a call"                                     | neels    | 06/23/2018 07:26 PM | Related to #3122,Related to #2880 |
| 3110 | OsmoMSC                                    | Bug     | New    | Normal   | Test and possibly fix ID Request after Auth failure   | neels    | 09/30/2018 11:36 AM |                                   |
| 3071 | Osmocom.org Servers                        | Bug     | New    | Normal   | docker-in-lxc setup results in high lxcfs CPU load  | laforge  | 03/17/2018 12:24 PM |                                   |
| 3068 | OsmoGSMTester                              | Bug     | New    | Normal   | resource objects leaked or destroyed too late   | pespin   | 03/15/2018 06:36 PM |                                   |
| 3067 | OsmoTRX                                    | Bug     | New    | Normal   | osmo-trx usrp b100 time out and packet loss between host and device                             | ttsou    | 03/15/2018 06:36 PM |                                   |



| #    | Project       | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                                     |
|------|---------------|---------|--------|----------|--|----------|---------------------|--|
| 3061 | OsmoTRX       | Bug     | New    | Normal   | OsmoTRX ARM chroot build jobs failing due to proot bug                         | pespin   | 03/13/2018 11:50 AM | Related to #3766                                   |
| 3058 | OsmoBTS       | Bug     | New    | Low      | RSL SACCH FILLING are per TRX, not BTS scope                                   |          | 03/11/2018 08:55 PM |  |
| 3056 | OsmoBTS       | Bug     | New    | Low      | OsmoBTS doesn't implement SACCH Repetition Order (SRO)                         |          | 07/18/2019 06:08 AM |  |
| 3046 | OsmoGSMTester | Bug     | New    | Normal   | ofono: SierraW modem fails to power on   | lynxis   | 03/09/2018 10:58 AM |  |
| 3032 | OsmoBTS       | Bug     | New    | High     | (Wrong?) measurement of both RSSI and ToA on TCH channels                      | tnt      | 11/26/2018 02:32 PM | Related to #2977,Related to #3032                  |
| 3020 | OsmoBSC       | Bug     | New    | Normal   | OsmoBSC PCU socket interface not yet tested by BSC_Tests.ttcn                  | laforge  | 05/21/2019 06:29 PM |  |
| 3006 | libosmo-netif | Bug     | New    | Low      | Osmux: improvements on lost/dropped RTP packets                                |          | 09/30/2018 08:34 AM |  |
| 3002 | OsmoBSC       | Bug     | New    | Normal   | HO2: handover decision for dynamic timeslots                                   | neels    | 10/16/2018 01:15 PM | Related to #1606,Related to #1608,Blocks #3002     |
| 3000 | OsmoBSC       | Bug     | New    | Normal   | OsmoBSC issues "RSL Connect" command too early -> race conditions              |          | 02/25/2018 12:32 PM | Related to #2470,Related to #4179                  |
| 2995 | OsmocomBB     | Bug     | New    | Normal   | Wrong parsing of PAGING TYPE 3   |          | 02/24/2018 11:03 PM | Related to #2994                                   |
| 2981 | OsmoMGW       | Bug     | New    | Normal   | make check: mgcp test failed   |          | 02/22/2018 10:14 AM | Related to #2981,Related to #2982,Related to #2981 |
| 2974 | OsmoBTS       | Bug     | New    | Low      | OsmoBTS doesn't use the "Diagnostics" part of the RSL Cause IE                 |          | 07/18/2019 05:48 AM |  |
| 2962 | OsmoSGSN      | Bug     | New    | Normal   | Missing TTCN-3 test cases  | lynxis   | 05/30/2018 02:19 PM |  |
| 2960 | OsmoSGSN      | Bug     | New    | Normal   | OsmoSGSN confirms PDP CTX ACT to MS/Gb despite missing conditional IEs on GTP  | lynxis   | 04/15/2019 07:37 AM |  |
| 2959 | OsmoSGSN      | Bug     | New    | Low      | OsmoSGSN puts bogus LAC/RAC in GTP Create PDP CTX ACT REQ                      | osmith   | 09/30/2018 11:41 AM |  |
| 2957 | OsmoSGSN      | Bug     | New    | Normal   | No timeout during GSUP PURGE MS to HLR   | lynxis   | 04/15/2019 07:36 AM |  |
| 2955 | OsmoSGSN      | Bug     | New    | High     | No GMM ATTACH REJECT on GSUP UpdateLocation Error                              | lynxis   | 09/10/2019 07:39 PM |  |
| 2953 | OsmoSGSN      | Bug     | New    | Normal   | No timeout waiting for UpdateLocation Response on GSUP                         | lynxis   | 05/17/2018 01:57 PM | Related to #2952                                   |
| 2943 | OsmoMSC       | Bug     | New    | Normal   | Errors in MGCP do not propagate back to MNCC gsm_subscriber_conn state machine |          | 09/04/2019 09:21 AM |  |
| 2942 | OsmoBTS       | Bug     | New    | Low      | osmo-bts-virtual+virtphy+mobile paging for SMS delivery fails                  |          | 02/13/2018 05:05 PM |  |
| 2941 | OsmoGSMTester | Bug     | New    | Normal   | ofono: SierraW sometimes crashing while deactivating a context.                | lynxis   | 02/13/2018 04:16 PM |  |
| 2938 | OsmoNITB      | Bug     | New    | Low      | osmo-nitb version 1.0.0 in 'latest' constantly logs LIBDBI error               |          | 02/13/2018 11:00 AM |  |
| 2933 | OsmoMSC       | Bug     | New    | Low      | change of trans->bearer_cap (e.g. via MNCC) will not trigger BSSMAP ASSIGNMENT | sysmocom | 02/12/2018 11:36 AM | Related to #2854                                   |
| 2928 | OsmoMSC       | Bug     | New    | Normal   | OsmoMSC doesn't do BSSMAP ASSIGNMENT if no MNCC_RTP_CREATE is received         | sysmocom | 02/11/2018 05:38 PM |  |

| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|---------------------------------|---------|--------|----------|--|----------|---------------------|------------------|
| 2916 | OsmoMSC                         | Bug     | New    | Normal   | asan failure on debian unstable in msc_vlr_test_gsm_ciph   |          | 02/09/2018 04:20 PM |                  |
| 2906 | OsmoBTS                         | Bug     | New    | Normal   | gsm_pchan2chan_nr asserts GSM_PCHAN_CCCH: lchan_nr == 0  | pespin   | 04/04/2018 08:43 AM |                  |
| 2899 | OsmoBSC                         | Bug     | New    | Low      | channel attributes are sent to BTS even for NONE channels  | osmith   | 09/30/2018 10:42 AM |                  |
| 2895 | OsmoMSC                         | Bug     | New    | Normal   | OsmoMSC excessively uses LU Reject Cause 22 (congestion)   | osmith   | 07/18/2019 05:41 AM |                  |
| 2888 | OsmoSTP                         | Bug     | New    | Normal   | OsmoSTP has no TTCN-3 testsuite  | laforge  | 11/12/2019 11:59 AM |                  |
| 2884 | OsmoMSC                         | Bug     | New    | Low      | Call Control timers are very long and not configurable   | sysmocom | 01/27/2018 08:50 AM |                  |
| 2883 | OsmoMSC                         | Bug     | New    | Normal   | GSUP encoding of MSISDN is wrong   | sysmocom | 08/08/2018 11:03 AM |                  |
| 2877 | OsmoMSC                         | Bug     | New    | Normal   | OsmoMSC fails on bearer capability without octet 3a  | osmith   | 07/18/2019 05:45 AM |                  |
| 2858 | OsmoHNBGW                       | Bug     | New    | Low      | No automatic testing of luh interface  |          | 05/30/2018 03:00 PM | Precedes #2858   |
| 2846 | OsmoMSC                         | Bug     | New    | Normal   | MSC doesn't close SCCP/BSSAP connection on CM SERV REQ tht cannot be parsed  | osmith   | 07/18/2019 05:44 AM |                  |
| 2839 | Cellular Network Infrastructure | Bug     | New    | Low      | statistics split between 2G and 3G   |          | 07/18/2019 05:22 AM |                  |
| 2824 | gr-osmosdr                      | Bug     | New    | High     | Corrupted double-linked for Raspbian Stretch when running osmoccom_fft (and any other program using osmosdr.source |          | 06/03/2018 12:08 PM |                  |
| 2809 | Z-Netz                          | Bug     | New    | Normal   | Build ZConnect <-> UseNet gateway  |          | 01/01/2018 01:33 PM |                  |
| 2808 | Z-Netz                          | Bug     | New    | Normal   | Create + Document VM/emulation setup for running ZERBERUS  |          | 01/01/2018 01:09 PM |                  |
| 2807 | Z-Netz                          | Bug     | New    | Normal   | Obtain ZERBERUS software build[s] and manual[s]  | laforge  | 01/01/2018 01:08 PM |                  |
| 2805 | FidoNet                         | Bug     | New    | Low      | Create reproducible / semi-automatic way to create FidoNet node on Linux   |          | 07/18/2019 05:34 AM |                  |
| 2803 | linmodem                        | Bug     | New    | Low      | return ERROR for unsupported AT commands   |          | 01/01/2018 12:19 PM |                  |
| 2797 | linmodem                        | Bug     | New    | Normal   | X11 support is 16bit plane only  |          | 01/01/2018 02:48 PM |                  |
| 2791 | Cellular Network Infrastructure | Bug     | New    | Normal   | osmo-python-tests: osmo_ctrl.py: there is no argument to get the list of avaiaable stats                           | lynxis   | 05/08/2019 02:43 PM |                  |
| 2767 | OsmoBSC                         | Bug     | New    | High     | OsmoBSC user manual doesn't specify how to configure M3UA link (asp/as)  | daniel   | 03/16/2018 07:52 PM |                  |
| 2717 | libosmo-abis                    | Bug     | New    | Low      | libosmo-abis doesn't use ipa_ccm_make_id_resp()  |          | 12/06/2017 05:47 PM |                  |
| 2713 | OsmoGSMTester                   | Bug     | New    | Normal   | ofono: chosen pdp type (v4, v6, dual) not strictly followed in ofono qmi   | lynxis   | 12/07/2017 01:25 PM | Related to #2713 |
| 2705 | OsmocomBB                       | Bug     | New    | Normal   | GSM48_MMR_NREG_REQ followed by GSM48_MMR_REG_REQ don't attach to the network                                       |          | 12/03/2017 09:50 PM |                  |
| 2698 | OsmoMSC                         | Bug     | New    | High     | Add more tests to jenkins job testing osmo-msc against NG40tester  | daniel   | 08/02/2018 09:38 AM | Related to #2477 |
| 2694 | OsmocomBB                       | Bug     | New    | Normal   | SIGSEGV in lapdm code  |          | 11/30/2017 08:45 AM |                  |
| 2692 | OsmoSGSN                        | Bug     | New    | Low      | HLR string in CDR and VTY is empty   | pespin   | 09/30/2018 11:39 AM |                  |
| 2690 | OsmocomBB                       | Bug     | New    | Normal   | ASAN issue on shutdown/no shutdown SYSINFO access  |          | 11/29/2017 09:33 AM |                  |
| 2688 | libosmocore                     | Bug     | New    | Normal   | CTRL iface: make rate_ctr request parser more strict   |          | 11/29/2017 01:40 PM |                  |

| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee        | Updated             | Related issues                                     |
|------|---------------------------------|---------|--------|----------|--|-----------------|---------------------|--|
| 2681 | Osmocom.org Servers             | Bug     | New    | Normal   | bogus user accounts + spam   |                 | 11/23/2017 06:59 PM |  |
| 2675 | OsmoBTS                         | Bug     | New    | Low      | /usr/bin/lc15bts-mgr can't find GPS 3D fix to for calibration  | pespin          | 02/13/2018 03:34 PM |  |
| 2674 | OsmoBTS                         | Bug     | New    | Low      | osmo-bts-sysmo GPRS failing if running without "-M"  | pespin          | 07/18/2019 06:08 AM |  |
| 2669 | OsmoMSC                         | Bug     | New    | Low      | osm-msc doesn't clean up BSC state   | osmith          | 09/30/2018 11:37 AM |  |
| 2662 | OsmoGSMTester                   | Bug     | New    | Normal   | osmo-gsm-tester: Test voice:trx-sysmocell5000 sometimes fails since update to use osmo-mgw                 | osmo-gsm-tester | 01/22/2018 10:42 AM |  |
| 2650 | OsmoMGW                         | Bug     | New    | Normal   | how can osmo-mgw send a dummy RTP packet before CRCX ACK?  | dexter          | 05/16/2019 02:39 PM | Related to #4005                                   |
| 2621 | OsmoGSMTester                   | Bug     | New    | Normal   | Gobi2000: might stopped working because all CID got assigned   | lynxis          | 11/15/2017 11:07 AM |  |
| 2620 | Cellular Network Infrastructure | Bug     | New    | Urgent   | Testing NITB Migration Guide   | roh             | 05/08/2019 02:40 PM | Related to #2620                                   |
| 2615 | OsmoGSMTester                   | Bug     | New    | Normal   | Add API to check GPS lock in BTS   | osmo-gsm-tester | 11/03/2017 05:00 PM |  |
| 2614 | SIMtrace                        | Bug     | New    | Normal   | simtrace_hdr randomly appears in APDU payload  | lukash          | 11/03/2017 08:54 AM |  |
| 2607 | rtl-sdr                         | Bug     | New    | Normal   | rtl-sdr gnuradio cfile is outdated   |                 | 06/03/2018 12:23 PM |  |
| 2603 | OsmoPCU                         | Bug     | New    | Normal   | Review the various incomplete and never merged changes in radisys branch                                   | lynxis          | 09/04/2019 09:15 AM | Related to #1775                                   |
| 2595 | OsmoNITB                        | Bug     | New    | Low      | db: find the best way to allocate unused random extension and avoid infinite loop                          |                 | 03/05/2018 07:35 PM |  |
| 2588 | OsmoHNBGW                       | Bug     | New    | Normal   | OsmoHNBGW has no user manual   | daniel          | 03/16/2018 07:54 PM | Related to #2588                                   |
| 2577 | OsmoSGSN                        | Bug     | New    | Normal   | Ensure meaningful default loglevels.   | lynxis          | 04/15/2019 07:34 AM |  |
| 2571 | libosmo-abis                    | Bug     | New    | Low      | libosmo-abis API documentation missing (doxygen)   | daniel          | 08/08/2018 11:20 AM |  |
| 2511 | OsmoGSMTester                   | Bug     | New    | Normal   | ofono: check all services for simple use before register race condition                                    | lynxis          | 10/10/2017 09:15 AM | Related to #2456,Related to #2458                  |
| 2463 | OsmoGSMTester                   | Bug     | New    | Normal   | Add doc on dependencies needed for the jenkins slave running osmo-gsm-tester-gerrit job                    | pespin          | 04/10/2018 02:08 PM | Related to #2463,Related to #2463                  |
| 2455 | OsmoPCU                         | Bug     | New    | Normal   | MS will not be able to use data service if we let the MS idle about 30 seconds after PDP context activated | lynxis          | 04/15/2019 07:49 AM | Related to #3678                                   |
| 2452 | OsmoGSMTester                   | Bug     | New    | Low      | osmo-gsm-tester: ESME should send submit_sm as a response to deliver_sm                                    | pespin          | 10/29/2017 06:33 PM | Related to #2429                                   |
| 2440 | libosmo-netif                   | Bug     | New    | Normal   | Osmux: Improve lost packet recreation mechanism  | pespin          | 08/14/2017 05:27 PM | Blocks #2439                                       |
| 2439 | libosmo-netif                   | Bug     | New    | Normal   | Osmux: overwrite duplicated RTP packets instead of dropping them   | pespin          | 08/17/2017 07:10 AM | Blocks #2439                                       |
| 2438 | OsmoNITB                        | Bug     | New    | Normal   | MS not registered from osmocom PoV, but registered from ofono PoV  |                 | 08/14/2017 09:36 AM |  |
| 2437 | OsmoHNBGW                       | Bug     | New    | Low      | synchronize different asn1c APER forks   | sysmocom        | 07/18/2019 06:11 AM | Related to #2435,Related to #2436,Related to #3862 |

| #    | Project                                    | Tracker | Status | Priority | Subject  | Assignee        | Updated             | Related issues                                     |
|------|--|---------|--------|----------|--|-----------------|---------------------|--|
| 2435 | OsmoHNBGW                                  | Bug     | New    | Low      | Osmocom asn1c/libasn1c is based on old fork  | sysmocom        | 07/18/2019 06:10 AM | Related to #2435,Related to #2435,Related to #3862 |
| 2433 | OsmoNITB                                   | Bug     | New    | Low      | Drop MGCP_DUMMY_LOAD frames and use proper Osmux Dummy frames                                      | pespin          | 08/21/2017 02:23 PM |  |
| 2431 | OsmoGSMTester                              | Bug     | New    | Normal   | osmo-gsm-tester: add test case: MS sends SMS to ESME   | osmo-gsm-tester | 08/10/2017 03:47 PM |  |
| 2414 | OsmoNITB                                   | Bug     | New    | Normal   | SMSC: deliverSM message with no user_message_reference   |                 | 08/15/2017 05:53 PM | Related to #2413,Related to #2414                  |
| 2403 | OsmoPCU                                    | Bug     | New    | Low      | PS-PAGING and CS-PAGING not implemented on PTP-BVCI  | osmith          | 09/10/2019 11:56 AM |  |
| 2384 | OsmoPCU                                    | Bug     | New    | Low      | NSVCI=0 seems to cause problems  | laforge         | 07/25/2017 05:50 PM | Related to #2384,Related to #4111                  |
| 2383 | OsmoPCU                                    | Bug     | New    | Normal   | incompatibility with some SGSNs during P-TMSI allocation   | laforge         | 07/04/2018 12:50 PM |  |
| 2382 | OsmoBSC                                    | Bug     | New    | Normal   | T3105 not consistently communicated to all BTS models  |                 | 03/05/2018 07:02 PM |  |
| 2373 | OsmoMSC                                    | Bug     | New    | Low      | SMS sent to old Nokia 1100: "message 0x332/1" causes CP-ERROR, and SMS is received 5 or more times |                 | 08/03/2018 05:22 PM |  |
| 2364 | OsmoBTS                                    | Bug     | New    | Low      | OsmoBTS sends SI1 even if it is not specified/needed   |                 | 07/15/2017 10:06 AM |  |
| 2355 | OsmoBTS                                    | Bug     | New    | Low      | optimize log output of phy specific code   |                 | 09/04/2019 09:26 AM | Related to #2355                                   |
| 2305 | OsmoSGSN                                   | Bug     | New    | Normal   | review 'laforge/santos' branch and check if there are pending fixes                                | sysmocom        | 05/29/2017 04:37 PM |  |
| 2292 | Osmocom Conferences (OsmoDevCon + OsmoCon) | Bug     | New    | Normal   | Time with community users during OsmoCon   |                 | 05/25/2017 03:03 PM |  |
| 2259 | libosmo-sccp + libosmo-sigtran             | Bug     | New    | Normal   | problem with local reference   | laforge         | 07/19/2017 04:25 PM |  |
| 2245 | OsmoGSMTester                              | Bug     | New    | Low      | osmo-bts cfg: fix band string  | osmo-gsm-tester | 05/15/2017 12:58 PM | Related to #2230                                   |
| 2236 | OsmoGSMTester                              | Bug     | New    | Low      | ofono: Fix valgrind issues   | lynxis          | 10/17/2017 12:15 PM |  |
| 2216 | gr-osmosdr                                 | Bug     | New    | Normal   | uhd: LO offset doesn't seem to work properly   |                 | 06/03/2018 12:08 PM |  |
| 2189 | OsmoGSMTester                              | Bug     | New    | Normal   | ofono: EC20: cannot send SMS   | lynxis          | 11/28/2017 04:21 PM |  |
| 2179 | Osmocom Conferences (OsmoDevCon + OsmoCon) | Bug     | New    | Normal   | no sign about OsmoCon outside of venue   |                 | 04/24/2017 07:10 PM |  |
| 2172 | OP25                                       | Bug     | New    | High     | HDU often missing in captures  |                 | 04/22/2017 04:14 PM |  |
| 2170 | OP25                                       | Bug     | New    | High     | Implement forward error-correction code, remove IT++ dependency                                    |                 | 04/22/2017 04:14 PM |  |
| 2169 | OP25                                       | Bug     | New    | High     | First-cut of trunking support  |                 | 04/22/2017 04:15 PM |  |
| 2168 | OP25                                       | Bug     | New    | High     | Implement Forward error correction for LDU1/2  |                 | 04/22/2017 04:15 PM |  |
| 2162 | OP25                                       | Bug     | New    | High     | Fix bit-ordering in output for VC55.   |                 | 04/22/2017 04:15 PM |  |

| #    | Project                               | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                                     |
|------|---------------------------------------|---------|--------|----------|---|----------|---------------------|--|
| 2013 | libosmo-sccp + libosmo-sigtran        | Bug     | New    | Low      | OAP (Osmo Auth Protocol) missing from IPA support in libosmo-sigtran          | neels    | 09/16/2018 10:35 AM | Related to #1843,Related to #2013,Related to #2554 |
| 1982 | libosmocore                           | Bug     | New    | High     | LAPD: segfault in lapd_est_req function                                       |          | 07/18/2019 05:49 AM | Related to #1982                                   |
| 1979 | OsmoBTS                               | Bug     | New    | Normal   | Priority of SAPI=0/SAPI=3 on SABM   | sysmocom | 05/08/2019 06:12 PM |  |
| 1967 | Cellular Network Infrastructure       | Bug     | New    | Low      | osmo-sim-auth: NoneType exception with AUTN generated from OP                 | dexter   | 01/23/2019 02:57 PM |  |
| 1955 | OsmoNITB                              | Bug     | New    | Normal   | Investigate "Bad signalling message" error                                    |          | 03/05/2018 07:33 PM |  |
| 1953 | Linux Kernel GTP-U                    | Bug     | New    | Normal   | IPv6 support for outer (transport) IP layer missing                           |          | 02/19/2017 04:45 PM |  |
| 1952 | Linux Kernel GTP-U                    | Bug     | New    | Normal   | IPv6 support for inner (user) IP layer missing                                |          | 02/18/2017 12:29 PM |  |
| 1947 | OsmoSGSN                              | Bug     | New    | Normal   | GPRS Attach reject for Apple/Android mobile                                   | laforge  | 04/13/2019 11:21 AM |  |
| 1938 | libosmocore                           | Bug     | New    | Low      | lapd_core human readable connection IDs in debug log                          | dexter   | 05/17/2018 02:02 PM |  |
| 1925 | OsmoPCU                               | Bug     | New    | High     | Fix padding for MCS8 transition   | lynxis   | 04/15/2019 07:45 AM |  |
| 1921 | Cellular Network Infrastructure       | Bug     | New    | Normal   | osmo-gsm-manuals: Purge-MS operation doc error?                               | daniel   | 03/16/2018 07:55 PM |  |
| 1919 | pySim                                 | Bug     | New    | Low      | issue with grcardsim from Greencard (grcard.cn)                               |          | 08/17/2017 06:45 AM |  |
| 1916 | OsmocomBB                             | Bug     | New    | Normal   | building GNU ARM toolchain with gcc-4.8 fails on modern texinfo               |          | 10/16/2017 02:14 PM |  |
| 1907 | osmo-qcdiag                           | Bug     | New    | Normal   | osmo-qcdiag detects CRC errors relatively often                               |          | 01/23/2017 01:47 AM |  |
| 1906 | osmo-qcdiag                           | Bug     | New    | Normal   | wireshark: fix decoding of (E)GPRS RLC/MAC frames                             | laforge  | 05/19/2019 07:48 AM |  |
| 1904 | OsmoNITB                              | Bug     | New    | Normal   | get rid of deprecated functions   |          | 03/05/2018 07:33 PM |  |
| 1899 | osmo-qcdiag                           | Bug     | New    | Normal   | osmo-qcdiag: DIAG based pcap tracing (DPL) not working                        |          | 01/11/2017 12:15 PM |  |
| 1897 | OsmocomTETRA                          | Bug     | New    | Low      | Inefficient sequence search in tetra_find_train_seq                           |          | 04/10/2017 01:04 AM |  |
| 1896 | OsmoGGSN (former OpenGGSN)            | Bug     | New    | Normal   | ggsn unable to set tun interface on FreeBSD v11                               |          | 12/23/2016 03:36 AM |  |
| 1829 | OsmoNITB                              | Bug     | New    | Normal   | Fix warnings introduced by ctrl constify                                      |          | 03/05/2018 07:34 PM |  |
| 1818 | OsmoSGSN                              | Bug     | New    | Normal   | luPS: CN should lu Release in certain situations                              | lynxis   | 05/03/2019 12:00 AM | Related to #1818,Related to #3302,Related to #3908 |
| 1813 | Qualcomm Linux Modems by Quectel & Co | Bug     | New    | Normal   | cat /dev/snd/* causes kernel oops   |          | 09/30/2016 04:00 PM |  |
| 1762 | libosmocore                           | Bug     | New    | Normal   | Review LAPD code for race conditions regarding state, particularly in RELEASE |          | 07/03/2016 08:44 PM | Related to #1760,Related to #1761,Related to #1982 |

| #    | Project                         | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues  |
|------|---------------------------------|---------|--------|----------|---|----------|---------------------|---|
| 1761 | libosmocore                     | Bug     | New    | Normal   | LAPD: segfault when bootstrapping Nokia InSite                              | laforge  | 05/08/2019 03:07 PM | Related to #1760,Related to #1761,Related to #3975                  |
| 1756 | OsmoPCU                         | Bug     | New    | Low      | regression: "tbf: Add state WAIT_ASSIGN"                                    | sysmocom | 03/03/2018 09:45 PM | Related to #1756  |
| 1751 | OsmoBTS                         | Bug     | New    | Low      | incompatibility between LCR and DTX   |          | 06/14/2016 04:39 PM |   |
| 1744 | OsmoBTS                         | Bug     | New    | Low      | 1-way voice between sysmobts and nanobts if DTX is enabled                  |          | 07/18/2019 06:08 AM | Related to #1562  |
| 1742 | OsmoPCU                         | Bug     | New    | High     | Regression in egprs patch series  | lynxis   | 04/15/2019 07:47 AM | Related to #1756,Related to #2820,Related to #2890                  |
| 1690 | OsmoSMSC                        | Bug     | New    | Normal   | Insert: Generate message ID (e.g. UUID)                                     | zecke    | 04/06/2016 12:26 PM |   |
| 1678 | SDR (Software Defined Radio)    | Bug     | New    | Normal   | Use -undefined dynamic_lookup when using Python and building on Mac OS X    |          | 03/30/2016 11:25 PM |   |
| 1674 | OsmoBTS                         | Bug     | New    | Low      | Kill duplication between l1_if.c and sysmbots_ctrl.c                        |          | 07/18/2019 06:08 AM |   |
| 1664 | cellmgr-ng                      | Bug     | New    | Normal   | m3ua connection should make non-blocking connect                            | zecke    | 03/17/2016 10:37 AM |   |
| 1652 | Cellular Network Infrastructure | Bug     | New    | Normal   | Expose statistics / KPIs programmatically                                   |          | 03/10/2017 09:35 PM | Related to #1652,Related to #1652,Related to #1652,Related to #1766 |
| 1624 | OsmoPCU                         | Bug     | New    | Normal   | add CRBB support to write_packet_ack_nack_desc_egprs                        | sysmocom | 07/04/2018 12:49 PM |   |
| 1622 | OsmoBTS                         | Bug     | New    | Normal   | OsmoBTS power control noncompliant to TS 05.08 and TS 08.58                 | pespin   | 10/28/2019 08:56 PM | Related to #1851,Related to #3750                                   |
| 1618 | OsmoBTS                         | Bug     | New    | Low      | AMR adaption loop doesn't use C/I thresholds, only BER                      |          | 07/18/2019 06:08 AM | Related to #4006  |
| 1612 | Cellular Network Infrastructure | Bug     | New    | Low      | more configuration consistency checking                                     | sysmocom | 09/30/2018 11:48 AM |   |
| 1578 | OsmoBTS                         | Bug     | New    | Low      | RSL MODE MODIFY can change multi-rate config, but not encryption parameters | osmith   | 09/30/2018 11:14 AM |   |
| 1577 | OsmoBTS                         | Bug     | New    | Normal   | mph_send_config_logchpar doesn't update encryption config                   |          | 02/23/2016 03:39 PM |   |
| 1550 | OsmoPCU                         | Bug     | New    | Normal   | Cell reselection under network control                                      |          | 02/23/2016 03:06 PM |   |
| 1542 | OsmoPCU                         | Bug     | New    | High     | Post gsmmap/EGPRS patch to the wireshark project                            |          | 07/18/2019 03:59 PM |   |
| 1532 | OsmoPCU                         | Bug     | New    | Low      | Increased number of poll timeouts on shared PDCHs                           | sysmocom | 03/03/2018 09:45 PM | Related to #1524  |
| 1528 | OsmoPCU                         | Bug     | New    | Low      | Find a real fix for EGPRS_AckNack_w_len_t decoding                          | sysmocom | 03/03/2018 09:45 PM |   |
| 1505 | UmTRX                           | Bug     | New    | High     | OHM4 footprint incorrect  |          | 02/19/2016 10:52 PM |   |
| 1483 | Mobile (in)Security             | Bug     | New    | High     | USSD state is not reset when switching cells                                |          | 02/21/2016 04:34 PM |   |
| 1482 | Mobile (in)Security             | Bug     | New    | Normal   | Sending the TMSI of the old/previous network                                |          | 02/21/2016 04:35 PM |   |

| #    | Project                        | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|--------------------------------|---------|--------|----------|---|----------|---------------------|------------------|
| 1481 | Mobile (in)Security            | Bug     | New    | High     | Random LAPDm MAC-block padding is not deployed yet  |          | 02/21/2016 04:34 PM |                  |
| 1480 | Mobile (in)Security            | Bug     | New    | High     | A5/3 is not deployed in GSM networks  |          | 02/21/2016 04:34 PM |                  |
| 1479 | Mobile (in)Security            | Bug     | New    | Normal   | MTK stack unable to send MO-SMS on TCH/F  |          | 04/03/2019 09:01 AM |                  |
| 1478 | Mobile (in)Security            | Bug     | New    | High     | IMSI DETACH DoS   |          | 09/02/2019 09:00 AM |                  |
| 1477 | Mobile (in)Security            | Bug     | New    | High     | RACH flood DoS  |          | 02/21/2016 04:34 PM |                  |
| 1474 | SDR (Software Defined Radio)   | Bug     | New    | High     | USB Claim Interface Error   | steve-m  | 02/20/2016 08:23 PM |                  |
| 1462 | OsmocomBB                      | Bug     | New    | High     | ../src/utlis.c:182:7: error: only weak aliases are supported in this configuration                      |          | 02/21/2016 04:48 PM |                  |
| 1459 | SIMtrace                       | Bug     | New    | Low      | send a flag tagging the ATR from the card   | laforge  | 05/09/2016 07:48 PM |                  |
| 1458 | OsmocomBB                      | Bug     | New    | High     | AGC broken (strong cell cannot be synced)   | tnt      | 07/18/2019 06:10 AM | Related to #3582 |
| 73   | OsmoBSC                        | Bug     | New    | Low      | Kill the paging_init_if_needed method in paging.c   |          | 12/10/2017 07:53 PM |                  |
| 72   | OsmoNITB                       | Bug     | New    | Low      | struct gsm_call can leak..  |          | 05/09/2016 07:37 PM |                  |
| 70   | OsmoNITB                       | Bug     | New    | Low      | nitb crashes in the rtp_proxy when a phone on a MT-call sends a 'CONNECT' before the CRCX ACK came back |          | 05/09/2016 07:37 PM |                  |
| 69   | OsmoBSC                        | Bug     | New    | Low      | No timers for various calls   |          | 12/10/2017 07:53 PM |                  |
| 68   | OsmoBSC                        | Bug     | New    | Low      | ipaccess-config should work with -u ID -o IP -r BTS_IP  |          | 12/10/2017 07:52 PM |                  |
| 67   | OsmoSGSN                       | Bug     | New    | Low      | gb_proxy keeps stale PTP-BVCI <-> NSVCI mappings  | laforge  | 12/10/2017 08:09 PM |                  |
| 65   | OpenBSC                        | Bug     | New    | Low      | MIC29301-5.0 is a TO220-5 footprint part  | mschramm | 05/08/2019 03:10 PM |                  |
| 64   | Miscellaneous Projects         | Bug     | New    | Normal   | osmo-bts-amp: 2.2uF capacitors next to PA need to be 0603, not 0805                                     | tnt      | 02/21/2016 04:48 PM |                  |
| 57   | OsmoBTS                        | Bug     | New    | Low      | sysmobts L1 is not properly closed, DSP firmware reload is required                                     |          | 03/01/2018 11:16 PM | Related to #57   |
| 54   | OsmoNITB                       | Bug     | New    | Normal   | osmo-nitb keeps rtp-proxy socket open in case no DLCX_IND is sent                                       |          | 03/05/2018 07:34 PM |                  |
| 48   | OsmoNITB                       | Bug     | New    | Normal   | Periodic timer and paging   |          | 03/05/2018 07:34 PM |                  |
| 44   | OsmoSGSN                       | Bug     | New    | Normal   | TLLI clash possible   | sysmocom | 08/17/2017 06:55 AM |                  |
| 41   | OsmoMSC                        | Bug     | New    | Normal   | Numbering Plan in OsmoMSC   |          | 06/23/2018 07:37 PM |                  |
| 38   | OsmoNITB                       | Bug     | New    | Normal   | subscr_update should sync database before dispatching the signal  |          | 03/05/2018 07:34 PM |                  |
| 37   | OsmoNITB                       | Bug     | New    | Normal   | RTP Proxy dealing with SSRC change and sequence numbers   |          | 03/05/2018 07:34 PM |                  |
| 34   | OsmoBSC                        | Bug     | New    | Normal   | ipaccess init code needs proper state machines  |          | 12/10/2017 08:16 PM | Related to #34   |
| 28   | OsmoNITB                       | Bug     | New    | Low      | Old siemens phones cannot make voice calls (04.08 channel mode)   |          | 03/05/2018 07:36 PM |                  |
| 21   | OsmoNITB                       | Bug     | New    | Low      | we don't see CHANnel ReQireD from motorola EZX phones at call setup                                     |          | 03/05/2018 07:36 PM |                  |
| 4249 | osmo-remsim                    | Feature | New    | Normal   | ability to explicitly provision an "empty SIM card slot" to a modem                                     | laforge  | 11/07/2019 02:21 PM |                  |
| 4242 | Retro-Networking / BBS-Revival | Feature | New    | Low      | offer CCC event schedule (Fahrplan) as gopher service   |          | 10/28/2019 09:22 AM |                  |

| #    | Project                         | Tracker | Status | Priority | Subject   | Assignee  | Updated             | Related issues   |
|------|---------------------------------|---------|--------|----------|---|-----------|---------------------|------------------|
| 4226 | Retro-Networking / BBS-Revival  | Feature | New    | Low      | STM-1 / USB interface?  |           | 10/14/2019 08:19 PM |                  |
| 4212 | Core testing infrastructure     | Feature | New    | Normal   | TTCN3 docker containers: tell glibc to print segfault output to stderr                          | sysmocom  | 11/07/2019 03:27 PM |                  |
| 4196 | OsmoMSC                         | Feature | New    | Normal   | CC Setup, Call Confirmed: decode and use the Supported Codec List IE                            |           | 09/25/2019 05:27 PM |                  |
| 4189 | OsmoBSC                         | Feature | New    | Low      | TTCN-3 tests for load-based hand-over in BSC  |           | 09/04/2019 09:10 AM | Related to #4189 |
| 4150 | OsmoMGW                         | Feature | New    | Low      | dead code / If an MDCX omits SDP, all codec config might be cleared                             |           | 08/13/2019 11:01 PM |                  |
| 4143 | libosmo-ranap                   | Feature | New    | Normal   | Security Mode Command needs distinct UEA1 and UEA2 options                                      |           | 08/06/2019 12:58 PM | Blocks #4144     |
| 4132 | Cellular Network Infrastructure | Feature | New    | Low      | idea: osmo-gsm-manuals: use asciidoctor-pdf instead of a2x                                      | osmith    | 07/29/2019 07:38 AM |                  |
| 4128 | OsmoHNBGW                       | Feature | New    | Low      | Add support of Huawei hNodeB protocol   |           | 07/24/2019 03:39 PM |                  |
| 4124 | OsmoBSCNAT                      | Feature | New    | Normal   | OsmoBSCNAT : Write user manual  | sysmocom  | 07/22/2019 09:02 AM | Related to #4124 |
| 4109 | Cellular Network Infrastructure | Feature | New    | Low      | debian-repo-install-test: start a virtual MS and perform a LU                                   | osmith    | 07/16/2019 12:36 PM | Related to #4109 |
| 4107 | Cellular Network Infrastructure | Feature | New    | Normal   | Start systemd services as non-root user   | osmith    | 07/15/2019 06:56 AM | Related to #4107 |
| 4105 | libosmocore                     | Feature | New    | Normal   | Support for LTE key derivation functions  | laforge   | 07/13/2019 02:07 AM | Related to #4105 |
| 4103 | libosmocore                     | Feature | New    | Low      | TUAK support as per 3GPP TS 35.231  |           | 07/12/2019 09:55 AM |                  |
| 4092 | OsmoMGW                         | Feature | New    | Normal   | Osmux: Support dynamic allocation of osmux sockets  | pespin    | 07/05/2019 05:15 PM | Related to #4092 |
| 4091 | Cellular Network Infrastructure | Feature | New    | Normal   | Osmux: Make sure all handover types work fine if a call leg is using Osmux between BSC and MSC. | pespin    | 07/05/2019 02:10 PM |                  |
| 4073 | Cellular Network Infrastructure | Feature | New    | Normal   | try to get counter and vty reference information at compile time                                | Hoernchen | 07/03/2019 12:20 AM | Related to #4073 |
| 4068 | gr-gsm                          | Feature | New    | Normal   | Implement a GNU Radio block for frequency hopping   | ptrkrysik | 06/21/2019 11:40 AM |                  |
| 4065 | OsmoMSC                         | Feature | New    | Normal   | osmo-msc: Support instructing MSC_MGW to use Osmux between 2 endp/call-leg of same voice call   | pespin    | 06/19/2019 04:54 PM | Related to #4065 |
| 4063 | Cellular Network Infrastructure | Feature | New    | Normal   | Add current version information to the VTY reference manuals                                    |           | 06/19/2019 09:51 AM |                  |
| 4053 | libosmocore                     | Feature | New    | Normal   | CTRL: Add CTRL cmd introspection to print documentation   | Hoernchen | 06/14/2019 08:23 PM | Related to #4053 |
| 4042 | SIMtrace 2                      | Feature | New    | Normal   | provide command line interface on CDC-ACM device  |           | 06/04/2019 04:07 PM |                  |
| 4040 | Cellular Network Infrastructure | Feature | New    | Low      | Use "COPY --from" in Dockerfiles to avoid cloning from scratch again and again                  | sysmocom  | 06/04/2019 09:49 AM |                  |
| 4038 | OsmoMSC                         | Feature | New    | Normal   | MSC_Tests_lu: BSC_ConnectionHandler.ttcn missing handling of RAB-AssignmentRequest              | sysmocom  | 06/03/2019 02:54 PM |                  |
| 4033 | OsmoGGSN (former OpenGGSN)      | Feature | New    | Normal   | ttcn3-ggsn-test: Add tests to verify secondary pdp context management                           |           | 05/30/2019 03:19 PM |                  |



| #    | Project                         | Tracker | Status | Priority | Subject   | Assignee   | Updated             | Related issues                    |
|------|---------------------------------|---------|--------|----------|---|------------|---------------------|-----------------------------------|
| 4014 | OsmoBTS                         | Feature | New    | Low      | Allow multiple [virtual] BTS instances on same [SDR] hardware that supports multiple TRX                |            | 05/21/2019 12:07 PM |                                   |
| 4010 | OsmoBSC                         | Feature | New    | Low      | Test RSL CHAN ACT related details for different scenarios   | laforge    | 05/21/2019 09:02 PM | Related to #4010,Related to #4010 |
| 3988 | OsmoMSC                         | Feature | New    | Low      | change the remaining DEBUGP() statements to LOG_MSC_A() / LOG_MSC_A_CAT()                               |            | 05/08/2019 03:26 PM |                                   |
| 3987 | libosmocore                     | Feature | New    | Low      | introduce libosmocore_init() to replace individual initialization calls                                 |            | 05/08/2019 03:03 PM | Related to #3987                  |
| 3982 | Cellular Network Infrastructure | Feature | New    | Low      | osmo-depcheck.py: set dependency hashes on command line   | osmith     | 05/08/2019 11:51 AM |                                   |
| 3977 | OsmoCBC                         | Feature | New    | High     | SABP stream delineation routines  | laforge    | 09/23/2019 04:49 AM | Related to #3979                  |
| 3968 | E1/T1 Hardware Interface        | Feature | New    | Normal   | find enclosure for ICE40 E1 board   |            | 04/30/2019 09:41 AM |                                   |
| 3967 | E1/T1 Hardware Interface        | Feature | New    | Normal   | design a custom board for the ICE40 E1 adapter  |            | 04/30/2019 09:34 AM | Related to #3967                  |
| 3962 | OsmoTRX                         | Feature | New    | Low      | osmo-trx: Use gcc attribute no_sanitize to run fine with ASan enabled                                   |            | 08/26/2019 02:04 PM |                                   |
| 3919 | osmo-remsim                     | Feature | New    | Normal   | remsim-client ifd_handler for PC/SC integration   | laforge    | 05/08/2019 03:30 PM |                                   |
| 3887 | osmo-remsim                     | Feature | New    | Low      | remsim-client: allow for local handling of APDUs  | laforge    | 05/08/2019 03:30 PM |                                   |
| 3886 | osmo-remsim                     | Feature | New    | Normal   | expose ICCID or even IMSI of all cards on remsim-server   | laforge    | 05/08/2019 03:31 PM | Precedes #3886                    |
| 3885 | osmo-remsim                     | Feature | New    | Normal   | remsim-server should expose status information  | laforge    | 04/01/2019 07:23 PM | Precedes #3885                    |
| 3884 | osmo-remsim                     | Feature | New    | Normal   | redesign bankd thread architecture  | laforge    | 05/08/2019 03:31 PM | Precedes #3885,Precedes #3886     |
| 3872 | OsmoBSC                         | Feature | New    | Normal   | osmo_scu_prim.conn_id should be picked from a distinct number space for outgoing and incoming N-CONNECT | osmith     | 03/28/2019 08:06 PM | Blocks #3872                      |
| 3847 | Miscellaneous Projects          | Feature | New    | Normal   | Osmocom logo with/for black background  | tsaitgaist | 03/18/2019 08:54 AM | Blocks #3848                      |
| 3845 | libosmocore                     | Feature | New    | Low      | Unified logging in Gb NS / BSSGP code   |            | 03/16/2019 02:33 PM |                                   |
| 3831 | OsmoBSC                         | Feature | New    | Low      | BSC support for "network sharing"   |            | 03/08/2019 10:27 PM |                                   |
| 3830 | OsmoHLR                         | Feature | New    | Low      | make downward compatible db-schema updates automatic  |            | 07/18/2019 06:15 AM |                                   |
| 3802 | gr-osmosdr                      | Feature | New    | Normal   | New release   | horiz0n    | 02/15/2019 07:22 AM |                                   |
| 3779 | Cellular Network Infrastructure | Feature | New    | Low      | explore providing a VM image with all of osmocom CNI and related tools installed                        |            | 02/04/2019 09:52 AM |                                   |
| 3761 | OsmocomBB                       | Feature | New    | Normal   | Separate TDMA scheduler into a library (libtdmasched)   | fixeria    | 06/21/2019 11:56 AM |                                   |
| 3755 | OsmoMSC                         | Feature | New    | Low      | make retrieval of IMEISV configurable   |            | 05/07/2019 12:28 PM | Related to #3755                  |
| 3747 | UmTRX                           | Feature | New    | Normal   | LMS6002D RX Gain Control  | ipse       | 01/08/2019 09:46 AM |                                   |
| 3739 | OsmoBSC                         | Feature | New    | Normal   | on osmo-bsc startup, sanity check codec-, pchan-types and AMR rates configuration                       |            | 12/20/2018 01:31 AM |                                   |

| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee  | Updated             | Related issues                                     |
|------|---------------------------------|---------|--------|----------|--|-----------|---------------------|--|
| 3738 | OsmoMSC                         | Feature | New    | Normal   | Clarify PS-part of struct vlr_subscr   |           | 12/19/2018 12:34 PM |  |
| 3732 | OsmoHLR                         | Feature | New    | Low      | Support tacdb query in HLR   |           | 07/18/2019 06:12 AM | Related to #3732                                   |
| 3714 | Cellular Network Infrastructure | Feature | New    | Low      | implement Internal Handover With MSC Support   |           | 05/08/2019 11:57 AM | Related to #3714                                   |
| 3711 | SIMtrace 2                      | Feature | New    | Normal   | Add screw holes for permanent installations  |           | 11/27/2018 02:04 AM |  |
| 3699 | Cellular Network Infrastructure | Feature | New    | Normal   | merge Debian patches   | Hoernchen | 07/16/2019 08:00 PM | Related to #3699,Related to #3753                  |
| 3688 | OsmoSGSN                        | Feature | New    | Low      | move generic gtpub code to libosmocore   |           | 04/15/2019 07:29 AM |  |
| 3687 | OsmoMSC                         | Feature | New    | Normal   | Expand "show bsc" command  |           | 11/11/2018 09:50 PM |  |
| 3682 | OsmoBSC                         | Feature | New    | Normal   | Intra-domain connection of OsmoBSC to multiple MSCs  |           | 09/04/2019 09:01 AM |  |
| 3672 | Osmocom Analog                  | Feature | New    | Normal   | Custom announcement and tones  |           | 10/25/2018 05:10 PM |  |
| 3670 | Cellular Network Infrastructure | Feature | New    | Low      | TTCN-3 tests for statsd exporter code  |           | 09/04/2019 09:03 AM |  |
| 3666 | OsmocomBB                       | Feature | New    | Normal   | Introduce VTY interface  | fixeria   | 06/21/2019 11:56 AM | Related to #3667                                   |
| 3658 | Cellular Modem Information      | Feature | New    | Normal   | Create a "osmocom-bb-host-latest" docker container   |           | 10/16/2018 02:11 PM | Related to #3658                                   |
| 3656 | OsmoBSC                         | Feature | New    | Normal   | inter-BSC handover outgoing: compose Cell Identifier List from several ARFCN+BSIC                | neels     | 06/10/2019 10:07 PM | Related to #3656                                   |
| 3649 | OsmoHLR                         | Feature | New    | Low      | Investigate LMDB as HLR data storage   |           | 10/12/2018 11:35 AM | Related to #3649                                   |
| 3648 | OsmoMSC                         | Feature | New    | Low      | persistent VLR (across re-starts of osmo-msc / across power outage)                              |           | 07/18/2019 06:15 AM | Related to #3649                                   |
| 3644 | OsmoHLR                         | Feature | New    | Normal   | allow arbitrary bytes in Global Title (GT), a.k.a. the VLR,SGSN's identification towards the HLR |           | 10/11/2018 11:54 AM | Related to #3644,Related to #3644                  |
| 3638 | OsmoBSC                         | Feature | New    | Low      | handover decision 2: load balancing across BSS   |           | 10/16/2018 01:16 PM | Related to #3638,Related to #3638,Related to #3638 |
| 3636 | OsmoMSC                         | Feature | New    | Normal   | detailed call statistics (with rate counters)  | osmith    | 10/08/2018 11:14 AM | Related to #3636                                   |
| 3628 | Cellular Network Infrastructure | Feature | New    | Low      | document nanoBTS calibration procedure using ipaccess-config tool                                | laforge   | 01/14/2019 03:36 PM | Related to #3628                                   |
| 3621 | OsmoMSC                         | Feature | New    | Normal   | TTCN-3 test suite for inter-BSC handover   | neels     | 07/18/2019 05:04 AM | Related to #3621                                   |
| 3609 | OsmoSTP                         | Feature | New    | Low      | Support for C-Link   |           | 10/03/2018 08:58 AM |  |
| 3607 | OsmoSTP                         | Feature | New    | Normal   | Support for capability point codes   |           | 10/03/2018 08:58 AM |  |
| 3606 | OsmoSTP                         | Feature | New    | Normal   | Support for multiple NI (network indicator)  |           | 10/03/2018 08:58 AM |  |
| 3605 | OsmoSTP                         | Feature | New    | Normal   | Global Title Translation   |           | 07/18/2019 05:15 AM |  |
| 3604 | OsmoSTP                         | Feature | New    | Normal   | Global Title Routing   |           | 07/18/2019 05:15 AM |  |

| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee               | Updated             | Related issues                    |
|------|---------------------------------|---------|--------|----------|--|------------------------|---------------------|-----------------------------------|
| 3603 | OsmoSTP                         | Feature | New    | Low      | M2PA support   |                        | 10/03/2018 08:58 AM |                                   |
| 3602 | OsmoSTP                         | Feature | New    | Low      | M2UA support   |                        | 09/30/2018 08:00 AM |                                   |
| 3597 | gr-osmosdr                      | Feature | New    | Low      | rtl: send final samples when device is lost  | horiz0n                | 07/18/2019 05:35 AM |                                   |
| 3596 | gr-osmosdr                      | Feature | New    | Normal   | TX Tags  |                        | 09/25/2018 04:01 PM |                                   |
| 3595 | gr-osmosdr                      | Feature | New    | Normal   | RX Tags  |                        | 09/25/2018 04:01 PM |                                   |
| 3594 | gr-osmosdr                      | Feature | New    | Normal   | Message Commands   |                        | 09/25/2018 03:59 PM |                                   |
| 3586 | OsmoBSC                         | Feature | New    | Normal   | support LCLS for inter-BSC handover  | neels                  | 01/17/2019 04:18 PM | Related to #3586,Related to #3659 |
| 3564 | OsmoGSMTester                   | Feature | New    | Normal   | Investigate ofono and modems Cell Broadcast support  | lynxis                 | 09/29/2018 08:57 AM | Related to #3564                  |
| 3522 | libosmocore                     | Feature | New    | Low      | libosmocoding: move TCH ordering functions to libosmocodec and share them  | fixeria                | 09/04/2018 08:49 PM |                                   |
| 3521 | libosmocore                     | Feature | New    | Normal   | core/utills: engineering notation helpers  | fixeria                | 09/04/2018 08:32 PM |                                   |
| 3505 | OsmoBSC                         | Feature | New    | Normal   | ttn3: test inter-BSC HO with encryption enabled  | neels                  | 08/28/2018 06:38 PM | Related to #3505                  |
| 3501 | SIMtrace 2                      | Feature | New    | Low      | Multi-sim addon board idea   | sysmocom hardware team | 08/28/2018 03:00 PM |                                   |
| 3490 | OsmoMGW                         | Feature | New    | Normal   | Add config option to allow arbitrary domain names in endpoints   |                        | 08/20/2018 10:08 PM | Related to #3490                  |
| 3486 | OsmoBSC                         | Feature | New    | Low      | handover decision: congestion: figure out the tradeoff: re-assign within same cell vs. handover to another cell                            |                        | 10/16/2018 01:16 PM | Related to #3486,Related to #3638 |
| 3485 | OsmoBSC                         | Feature | New    | Low      | handover to make room for a less capable subscriber  |                        | 10/16/2018 01:16 PM | Related to #3485                  |
| 3484 | OsmoBSC                         | Feature | New    | Low      | handover decision: if rxlev is ok but rxqual is bad, move to different timeslot with same TCH kind to avoid interference                   |                        | 10/16/2018 01:30 PM |                                   |
| 3483 | OsmoBSC                         | Feature | New    | Normal   | handover decision: if rxlev is ok but rxqual is bad, move from TCH/H to TCH/F  | neels                  | 10/16/2018 01:53 PM | Related to #3483                  |
| 3482 | OsmoBSC                         | Feature | New    | Low      | handover decision: if a new call causes congestion that would trigger immediate re-assignment, assigning the other TCH kind from the start |                        | 10/16/2018 01:15 PM | Related to #3482                  |
| 3481 | OsmoBSC                         | Feature | New    | Normal   | handover from TCH/H to TCH/F to reduce load  |                        | 10/16/2018 01:15 PM | Related to #3481,Related to #3481 |
| 3480 | OsmoBSC                         | Feature | New    | Normal   | handover from TCH/F to TCH/H to reduce load  |                        | 10/16/2018 01:15 PM | Related to #3480,Related to #3481 |
| 3479 | OsmoBSC                         | Feature | New    | Normal   | test "every single failure" in osmo-bsc FSMs   |                        | 08/20/2018 11:15 AM | Related to #3479                  |
| 3477 | Cellular Network Infrastructure | Feature | New    | Normal   | add a wiki page explaining interconnection between components across several machines  |                        | 09/04/2019 09:21 AM |                                   |
| 3470 | OsmoMSC                         | Feature | New    | Low      | Allow sending "Emergency Number List IE" in LU ACCEPT  |                        | 09/01/2018 08:18 PM | Related to #3470                  |
| 3469 | OsmoMSC                         | Feature | New    | Low      | Support for "service category" in emergency calls  |                        | 08/24/2018 12:48 PM | Related to #3470                  |

| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee   | Updated             | Related issues                                       |
|------|---------------------------------|---------|--------|----------|--|------------|---------------------|--|
| 3460 | gr-gsm                          | Feature | New    | Low      | python/trx/radio_if.py: (re)implement 'dict_toggle_sign' block in C++                              |            | 08/09/2018 08:18 PM |  |
| 3454 | OsmoBSC                         | Feature | New    | Low      | disable/constrain/hide "multiple msc" concept  | sysmocom   | 08/08/2018 02:22 PM |  |
| 3424 | gr-gsm                          | Feature | New    | Normal   | Transceiver: implement automatic TX delay measurement  | ptrkrysik  | 07/26/2018 08:22 PM |  |
| 3414 | gr-osmosdr                      | Feature | New    | Normal   | Include Airspy serial number in connection string.   | horiz0n    | 07/24/2018 04:52 AM |  |
| 3397 | OsmocomBB                       | Feature | New    | Normal   | target/firmware: get rid of libosmocore dependency   | fixeria    | 07/16/2018 08:22 PM |  |
| 3387 | OsmocomBB                       | Feature | New    | Low      | osmocon: Use libosmocore logging system  |            | 10/05/2018 04:21 PM |  |
| 3386 | Cellular Network Infrastructure | Feature | New    | Normal   | Generate man pages at build time from adoc files   | osmith     | 11/15/2018 09:42 AM | Precedes #3386                                       |
| 3371 | SIMtrace 2                      | Feature | New    | Normal   | migrate to use arm-none-eabi build of libosmocore.git  | laforge    | 08/09/2018 12:14 PM |  |
| 3352 | OsmoMGW                         | Feature | New    | Low      | osmo-mgw does not allow multiple codecs in LCO   | dexter     | 06/23/2018 06:18 PM |  |
| 3345 | OsmoTRX                         | Feature | New    | Low      | merge ms branch  |            | 06/13/2018 07:16 PM |  |
| 3344 | OsmoTRX                         | Feature | New    | Normal   | merge ttsou/siggen   |            | 06/13/2018 07:26 PM |  |
| 3330 | OsmoBSC                         | Feature | New    | Normal   | osmo-bsc: Implement IMMEDIATE ASSIGNMENT EXTENDED  | sysmocom   | 06/08/2018 12:14 PM | Related to #3330                                     |
| 3329 | OsmoBTS                         | Feature | New    | Normal   | osmo-bts: Implement IMMEDIATE ASSIGNMENT EXTENDED  | sysmocom   | 06/08/2018 12:02 PM | Related to #3330                                     |
| 3322 | Osmocom.org Servers             | Feature | New    | Normal   | Header image needed for our OpenCollective site  | tsaitgaist | 06/06/2018 08:30 PM |  |
| 3315 | rtl-sdr                         | Feature | New    | Normal   | review and possibly apply patches from debian package  | steve-m    | 06/03/2018 01:17 PM |  |
| 3309 | libosmocore                     | Feature | New    | Normal   | osmo_timer_* should use monotonic clock  |            | 05/31/2018 03:59 PM | Related to #3309                                     |
| 3303 | Osmocom.org Servers             | Feature | New    | High     | migrate openmoko.org into "archive mode" and remove dedicated server for it                        | laforge    | 10/07/2018 03:27 PM | Related to #3303                                     |
| 3291 | Osmocom.org Servers             | Feature | New    | Low      | gerrit - redmine integration   |            | 05/25/2018 04:34 PM |  |
| 3285 | OsmoPCU                         | Feature | New    | Normal   | design + implement tools to analyze inter-PCU cell changes   | laforge    | 08/01/2018 11:04 AM | Related to #3284                                     |
| 3280 | OsmocomBB                       | Feature | New    | Low      | Multiparty SS support in OsmocomBB   |            | 05/22/2018 07:40 AM |  |
| 3277 | OsmoBSC                         | Feature | New    | Low      | handover: for intra-cell HO, use RR Assignment Command, not RR Handover Command                    | neels      | 11/19/2018 04:27 PM | Is duplicate of #3277                                |
| 3272 | E1/T1 Hardware Interface        | Feature | New    | Normal   | next-generation osmo-e1-xcvr board   | vogelchr   | 09/10/2018 11:22 AM | Related to #3272                                     |
| 3257 | Osmocom.org Servers             | Feature | New    | Low      | migrate ftp to new server  | laforge    | 05/10/2018 09:34 PM |  |
| 3237 | E1/T1 Hardware Interface        | Feature | New    | Normal   | Come up with GPS-DO design for E1 Interface  | vogelchr   | 06/01/2018 09:50 PM | Related to #3237, Related to #3272, Related to #3967 |
| 3234 | OsmoGSMTester                   | Feature | New    | Normal   | osmo-gsm-tester: poll the python-smplib socket using non-busy approach                             | pespin     | 05/04/2018 12:22 PM | Related to #2512                                     |
| 3229 | Cellular Network Infrastructure | Feature | New    | Low      | build-system: jenkins.sh: Improve debian package generation test coverage during gerrit submission | sysmocom   | 05/08/2019 02:36 PM | Related to #3228                                     |

| #    | Project                         | Tracker | Status | Priority | Subject   | Assignee               | Updated             | Related issues        |
|------|---------------------------------|---------|--------|----------|---|------------------------|---------------------|-----------------------|
| 3227 | Cellular Network Infrastructure | Feature | New    | Normal   | general idea: separate GSUP spec document                                   | roh                    | 07/17/2019 07:50 PM | Is duplicate of #3227 |
| 3210 | osmo-fl2k                       | Feature | New    | Low      | man pages   | steve-m                | 04/24/2018 08:55 PM |                       |
| 3207 | OsmoMGW                         | Feature | New    | Low      | Support for RTP Payload Format according to "ETSI TS 101 318"               |                        | 04/24/2018 03:53 PM |                       |
| 3203 | osmo-fl2k                       | Feature | New    | Normal   | have jenkins build verification job   | osmith                 | 07/24/2019 09:09 AM |                       |
| 3202 | osmo-fl2k                       | Feature | New    | Low      | create debian packaging for osmo-fl2k (and make it part of nightly builds?) | osmith                 | 09/30/2018 08:40 AM |                       |
| 3165 | OsmoMSC                         | Feature | New    | Low      | Verify LU Request's LAI   | osmith                 | 07/18/2019 05:48 AM | Related to #3164      |
| 3156 | OsmoMSC                         | Feature | New    | Normal   | make sure we handle N overlapping CM Service Requests properly              |                        | 04/11/2018 11:50 AM | Is duplicate of #3069 |
| 3142 | Cellular Network Infrastructure | Feature | New    | Low      | Further simplification of "NITB like" setups                                | Osmocom CNI Developers | 04/05/2018 08:09 PM |                       |
| 3123 | Osmocom.org Servers             | Feature | New    | Low      | have dns zone in git.osmocom.org  | laforge                | 03/28/2018 05:11 PM | Related to #3123      |
| 3097 | OsmoBSC                         | Feature | New    | Normal   | ramping of "rxlev access min"   |                        | 03/22/2018 11:51 AM | Related to #3097      |
| 3087 | Osmocom.org Servers             | Feature | New    | Low      | migrate dect.osmocom.org to new server                                      | laforge                | 10/07/2018 01:52 PM | Related to #3087      |

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