

## Issues

| #    | Project                      | Tracker | Status      | Priority | Subject  | Assignee               | Updated             | Related issues                                     |
|------|------------------------------|---------|-------------|----------|--|------------------------|---------------------|--|
| 4098 | gr-osmosdr                   | Bug     | New         | Normal   | [BladeRF micro] Arguments set in osmocom Sink and Source are not passed to libbladerf          | horiz0n                | 07/18/2019 05:35 AM |  |
| 3589 | rtl-sdr                      | Bug     | New         | Normal   | Zerocopy Buffers Unusable Outside Callback Without memcpy()                                    |                        | 09/25/2018 12:58 PM |  |
| 2475 | libosmocore                  | Feature | Feedback    | Low      | XOR authentication not implemented   |                        | 11/07/2019 02:40 PM | Related to #2475                                   |
| 2797 | linmodem                     | Bug     | New         | Normal   | X11 support is 16bit plane only  |                        | 01/01/2018 02:48 PM |  |
| 2995 | OsmocomBB                    | Bug     | New         | Normal   | Wrong parsing of PAGING TYPE 3   |                        | 02/24/2018 11:03 PM | Related to #2994                                   |
| 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                                   |
| 1898 | OsmoBTS                      | Bug     | Feedback    | Low      | Wrong handover detection with l1sap on wrong ss=0/ts=0   |                        | 11/07/2017 09:54 PM |  |
| 1759 | OsmoPCU                      | Bug     | Stalled     | High     | Wrong calculation of DL window size for DL assignment  | lynxis                 | 04/15/2019 07:46 AM | Related to #1533,Related to #1524                  |
| 2827 | OsmoBTS                      | Feature | New         | Low      | would be nice if logging of the BTS number in osmo-bts matched the BTS number used in osmo-bsc |                        | 06/23/2018 06:48 PM |  |
| 4200 | OsmoMSC                      | Feature | In Progress | Normal   | Work around nano3G-S16 requiring RAB ID to be below 16   | efistokl               | 09/14/2019 09:48 AM |  |
| 1906 | osmo-qcdiag                  | Bug     | New         | Normal   | wireshark: fix decoding of (E)GPRS RLC/MAC frames  | laforge                | 05/19/2019 07:48 AM |  |
| 3126 | SDR (Software Defined Radio) | Bug     | New         | Low      | Windows 10 Pro 1709: crash of rtl_test.exe   |                        | 03/30/2018 02:16 PM |  |
| 3085 | Osmocom.org Servers          | Feature | In Progress | Low      | where to migrate openmoko-backup?  | laforge                | 08/08/2018 10:38 AM | Related to #3303,Related to #3304,Related to #3305 |
| 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                                   |
| 21   | OsmoNITB                     | Bug     | New         | Low      | we don't see CHANnel ReQireD from motorola EZX phones at call setup                            |                        | 03/05/2018 07:36 PM |  |
| 1768 | OsmoSGSN                     | Bug     | Stalled     | Low      | VTY show llc displays State TLLI Unassigned permanently  | lynxis                 | 04/15/2019 07:32 AM |  |
| 1601 | OsmoBSC                      | Feature | In Progress | Normal   | VTY parameters become active when?   |                        | 12/10/2017 08:04 PM | Related to #1601                                   |
| 1974 | OsmoMSC                      | Feature | New         | Low      | VLR: high water mark on subscriber storage   | Osmocom CNI Developers | 07/18/2019 06:15 AM | Related to #1973                                   |
| 1973 | OsmoMSC                      | Feature | New         | Low      | VLR: efficient subscriber lookup   | Osmocom CNI Developers | 07/18/2019 06:15 AM | Related to #1973                                   |
| 4191 | OsmoMSC                      | Bug     | Stalled     | Normal   | vlr.c:762 Trying to dispatch event 1 to non-existent FSM instance!                             | neels                  | 10/01/2019 05:22 AM |  |
| 2966 | OsmocomBB                    | Feature | New         | Low      | virtphy should have a localhost-only mode  |                        | 07/18/2019 05:48 AM |  |
| 3165 | OsmoMSC                      | Feature | New         | Low      | Verify LU Request's LAI  | osmith                 | 07/18/2019 05:48 AM | Related to #3164                                   |

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|------|---------------------------------|---------|-------------|----------|--|------------|---------------------|--|
| 3224 | OsmoSGSN                        | Bug     | New         | Normal   | verify ciphering after UMTS AKA  | lynxis     | 04/15/2019 07:30 AM | Related to #3193,Related to #3224      |
| 4118 | SIMtrace 2                      | Bug     | New         | Normal   | VCC_PHONE strong pull on SIMtrace board  | tsaitgaist | 07/18/2019 11:54 AM |  |
| 2385 | Cellular Network Infrastructure | Feature | New         | Low      | validate debian rules/control as part of jenkins build testing                   | osmith     | 09/30/2018 08:16 AM |  |
| 2801 | linmodem                        | Feature | New         | Normal   | V.90 completion  |            | 01/01/2018 12:18 PM |  |
| 1517 | UmTRX                           | Feature | New         | Normal   | U_FL (UMC) connectors are not reliable after few connections                     | Andrey     | 02/19/2016 10:52 PM |  |
| 2931 | OsmoMSC                         | Feature | Stalled     | Low      | USSD test cases in TTCN-3  | fixeria    | 08/14/2019 10:14 AM | Related to #1597                       |
| 1483 | Mobile (in)Security             | Bug     | New         | High     | USSD state is not reset when switching cells                                     |            | 02/21/2016 04:34 PM |  |
| 1525 | OsmoPCU                         | Feature | New         | Low      | Use the Radio Access Capabilites that are being transferred via BSSGP (downlink) | lynxis     | 04/15/2019 07:52 AM | Related to #3499                       |
| 3716 | OsmoBSC                         | Bug     | Stalled     | Low      | Use SACCH for MO/MT SMS signalling during a voice call                           | fixeria    | 05/08/2019 03:35 PM |  |
| 2949 | OsmoBSC                         | Feature | New         | Normal   | use RR Assignment for Handover within a cell                                     |            | 02/16/2018 02:52 PM | Related to #3357,Is duplicate of #3277 |
| 2709 | OsmoPCU                         | Feature | New         | Low      | use osmo_fsm for TBF   |            | 03/03/2018 09:41 PM | Related to #2407,Related to #2709      |
| 2000 | libosmo-sccp + libosmo-sigtran  | Feature | New         | Low      | use m3ua-testtool for the ASP-side verification                                  |            | 07/18/2019 05:42 AM |  |
| 2171 | OP25                            | Feature | New         | High     | Use libfftw3 for IFFT/FFT functions.   |            | 04/22/2017 04:14 PM |  |
| 1579 | OsmoBTS                         | Feature | New         | Low      | Use epoll  |            | 02/23/2016 03:41 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 |  |
| 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 |  |
| 2945 | Osmocom.org Servers             | Feature | New         | Normal   | Use "--config-cache" configure option to speed up builds                         | zecke      | 02/14/2018 09:50 PM |  |
| 1474 | SDR (Software Defined Radio)    | Bug     | New         | High     | USB Claim Interface Error  | steve-m    | 02/20/2016 08:23 PM |  |
| 1518 | UmTRX                           | Feature | New         | Normal   | Upper limit of the clock is too low  | Andrey     | 02/19/2016 10:52 PM |  |
| 2282 | OsmoPCU                         | Feature | In Progress | High     | uplink multi-slot allocations  | lynxis     | 07/11/2019 05:11 PM | Related to #1775                       |
| 1833 | OsmoPCU                         | Bug     | Feedback    | High     | UPLINK MCS gets reduced from MCS9->MCS6 when good radio condition exists         | lynxis     | 09/27/2019 04:10 AM | Related to #3395                       |

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|------|---------------------------------------|---------|----------|----------|---|----------|---------------------|---|
| 3395 | OsmoPCU                               | Bug     | Feedback | Urgent   | Uplink CS/MCS control is broken osmo-pcu is used with osmo-bts-trx/osmo-trx     | lynxis   | 10/04/2019 08:35 PM | Related to #3395,Related to #3395,Related to #3395,Related to #3834,Related to #3395,Related to #3929 |
| 3036 | OsmoBTS                               | Feature | New      | Normal   | update vty reference -- and make it so that it can be done without manual edits | neels    | 03/19/2018 12:11 AM |   |
| 3127 | Cellular Network Infrastructure       | Bug     | New      | High     | update the [[Osmocom Network In The Box]] wiki page                             | daniel   | 05/08/2019 02:37 PM |   |
| 3917 | OsmoGSMTester                         | Bug     | New      | Normal   | update debian packages to match our dependencies                                | lynxis   | 04/11/2019 04:12 PM |   |
| 2175 | OP25                                  | Feature | New      | High     | Update code for GNURadio 3.6 and later  | stevie   | 04/22/2017 04:14 PM |   |
| 3753 | Cellular Network Infrastructure       | Bug     | New      | Low      | Update .deb to use dh_missing   | sysmocom | 07/18/2019 05:22 AM | Related to #3753  |
| 3531 | OP25                                  | Bug     | New      | Normal   | Unknown status of the p25 wireshark plugin                                      |          | 09/07/2018 02:46 PM |   |
| 3741 | osmo-sip-connector                    | Bug     | New      | Normal   | Unknow call parameters shown in vty   |          | 12/28/2018 02:01 PM |   |
| 1902 | OsmoBTS                               | Feature | New      | Low      | unify/refactor dynamic timeslot code  | sysmocom | 07/18/2019 06:08 AM | Related to #1902,Related to #3099   |
| 1926 | OsmoBTS                               | Feature | New      | Low      | unify *_mgr code  |          | 07/18/2019 06:08 AM |   |
| 3845 | libosmocore                           | Feature | New      | Low      | Unified logging in Gb NS / BSSGP code   |          | 03/16/2019 02:33 PM |   |
| 4206 | Qualcomm Linux Modems by Quectel & Co | Support | New      | Urgent   | Unbrick cpe router without web ui interface and terminal                        |          | 09/16/2019 10:41 AM |   |
| 1555 | OsmoPCU                               | Feature | New      | Low      | Unacknowledged RLC Mode   |          | 02/23/2016 03:12 PM |   |
| 3817 | SDR (Software Defined Radio)          | Bug     | New      | Normal   | Unable to use fosphor display on Ubuntu 18.10                                   |          | 02/26/2019 06:56 PM |   |
| 2216 | gr-osmosdr                            | Bug     | New      | Normal   | uhd: LO offset doesn't seem to work properly                                    |          | 06/03/2018 12:08 PM |   |
| 3596 | gr-osmosdr                            | Feature | New      | Normal   | TX Tags   |          | 09/25/2018 04:01 PM |   |
| 2531 | Cellular Network Infrastructure       | Feature | New      | Low      | tweak TODO-RELEASE and LIBVERSION comments to match latest osmo-mgw edits       | pespin   | 05/04/2018 12:05 PM | Related to #2531  |
| 4103 | libosmocore                           | Feature | New      | Low      | TUAK support as per 3GPP TS 35.231  |          | 07/12/2019 09:55 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 |   |
| 3505 | OsmoBSC                               | Feature | New      | Normal   | ttn3: test inter-BSC HO with encryption enabled                                 | neels    | 08/28/2018 06:38 PM | Related to #3505  |
| 4176 | Core testing infrastructure           | Bug     | Feedback | Normal   | ttn3-sgsn: Sporadic failures since lu support introduced                        | laforge  | 08/27/2019 05:32 PM |   |
| 4205 | osmo-remsim                           | Bug     | New      | Normal   | ttn3-remsim-test only shows results for bankd                                   | laforge  | 09/13/2019 12:04 PM |   |

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| 4033 | OsmoGGSN (former OpenGGSN)      | Feature | New         | Normal   | ttn3-ggsn-test: Add tests to verify secondary pdp context management                       |            | 05/30/2019 03:19 PM |  |
| 3731 | OsmoMGW                         | Bug     | New         | Normal   | TTCN3 TC_rtpem_selftest randomly fails   | daniel     | 12/13/2018 12:37 PM |  |
| 3979 | OsmoCBC                         | Bug     | In Progress | High     | TTCN3 SABP support   | laforge    | 09/23/2019 04:45 AM | Related to #3979,Related to #3979  |
| 3660 | Cellular Network Infrastructure | Bug     | New         | Normal   | TTCN3 Jenkins jobs leave Docker containers running when stopped                            | osmith     | 10/11/2019 01:04 PM |  |
| 4212 | Core testing infrastructure     | Feature | Feedback    | Normal   | TTCN3 docker containers: tell glibc to print segfault output to stderr                     | sysmocom   | 11/13/2019 04:09 PM |  |
| 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   |
| 3665 | OsmoBTS                         | Bug     | Stalled     | Normal   | TTCN3 BTS_Tests last SACCH burst received too late -> wrong fake uplink measurement report | pespin     | 10/25/2018 09:35 AM | Related to #3665,Related to #3665,Related to #3665                               |
| 3940 | OsmoSGSN                        | Bug     | New         | Normal   | TTCN-3: lu: test UMTS Auth   |            | 04/24/2019 08:24 AM |  |
| 3670 | Cellular Network Infrastructure | Feature | New         | Low      | TTCN-3 tests for statsd exporter code  |            | 09/04/2019 09:03 AM |  |
| 4189 | OsmoBSC                         | Feature | New         | Low      | TTCN-3 tests for load-based hand-over in BSC   |            | 09/04/2019 09:10 AM | Related to #4189   |
| 3621 | OsmoMSC                         | Feature | New         | Normal   | TTCN-3 test suite for inter-BSC handover   | neels      | 07/18/2019 05:04 AM | Related to #3621   |
| 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   |
| 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 |  |
| 4006 | Cellular Network Infrastructure | Feature | Feedback    | Urgent   | TRX protocol: wind of change   | fixeria    | 08/06/2019 11:49 AM | Related to #4006,Related to #4006,Related to #4006,Related to #4081,Blocks #3428 |
| 2400 | OsmoPCU                         | Bug     | Stalled     | High     | transmit SI13 on PACCH during long TBFs  | osmith     | 10/04/2019 10:39 PM | Related to #2400   |
| 4169 | OsmoMSC                         | Bug     | In Progress | Normal   | transition to state MSC_A_ST_RELEASING not permitted!                                      |            | 09/03/2019 12:23 AM |  |
| 2523 | OsmoMGW                         | Feature | New         | Normal   | transcoding: remove "not yet implemented" from MNCC manual once transcoding is in place    | daniel     | 03/16/2018 07:54 PM |  |
| 3424 | gr-gsm                          | Feature | New         | Normal   | Transceiver: implement automatic TX delay measurement                                      | ptrkrysik  | 07/26/2018 08:22 PM |  |
| 3294 | OsmoMSC                         | Bug     | Stalled     | High     | transaction: refactor callref allocation   | neels      | 09/26/2019 06:50 PM | Related to #3294,Related to #3294  |
| 3712 | SIMtrace 2                      | Bug     | New         | Low      | TRACE_FATAL not printing   | tsaitgaist | 11/27/2018 10:57 AM |  |

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|------|--|---------|-------------|----------|---|-----------------|---------------------|--|
| 1815 | Qualcomm Linux Modems by Quectel & Co      | Feature | New         | Normal   | tool for building binary ipk from .list/.control  |                 | 10/02/2016 05:06 AM |  |
| 44   | OsmoSGSN                                   | Bug     | New         | Normal   | TLLI clash possible   | sysmocom        | 08/17/2017 06:55 AM |  |
| 2292 | Osmocom Conferences (OsmoDevCon + OsmoCon) | Bug     | New         | Normal   | Time with community users during OsmoCon  |                 | 05/25/2017 03:03 PM |  |
| 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 |  |
| 1516 | UmTRX                                      | Feature | New         | Normal   | There are no port to control external equipment like PA   | Andrey          | 02/19/2016 10:52 PM |  |
| 4086 | Cellular Network Infrastructure            | Support | New         | Normal   | Testing the 3G Osmocom Network without a Femto Cell   |                 | 07/10/2019 09:15 PM |  |
| 2318 | OsmoGSMTester                              | Feature | New         | Normal   | testing sysmobts: skip copying of binaries when the same are already installed                  | osmo-gsm-tester | 06/07/2017 03:55 PM |  |
| 2620 | Cellular Network Infrastructure            | Bug     | New         | Urgent   | Testing NITB Migration Guide  | roh             | 05/08/2019 02:40 PM | Related to #2620                                   |
| 2225 | OsmoGSMTester                              | Feature | New         | Low      | tester nitb: connect ctrl interface only once   | osmo-gsm-tester | 05/15/2017 12:58 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                  |
| 4240 | OsmoMSC                                    | Bug     | New         | Normal   | test: incoming call when already Paging   |                 | 10/21/2019 05:13 PM |  |
| 1704 | SIMtrace 2                                 | Bug     | In Progress | Normal   | test/port card emulation firmware for SAM3S based SIMtrace2                                     | tsaitgaist      | 10/25/2018 09:14 AM | Related to #1705                                   |
| 1943 | Linux Kernel GTP-U                         | Feature | New         | High     | test setup for Linux kernel GTP-U tunneling module  | laforge         | 05/30/2018 02:56 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                  |
| 2436 | OsmoHNBGW                                  | Feature | New         | Low      | Test cases for asn1c APER encoding  | sysmocom        | 07/18/2019 06:11 AM | Related to #2435,Related to #2436,Related to #3862 |
| 3110 | OsmoMSC                                    | Bug     | New         | Normal   | Test and possibly fix ID Request after Auth failure   | neels           | 09/30/2018 11:36 AM |  |
| 3479 | OsmoBSC                                    | Feature | New         | Normal   | test "every single failure" in osmo-bsc FSMs  |                 | 08/20/2018 11:15 AM | Related to #3479                                   |
| 2567 | OsmoHLR                                    | Feature | New         | Low      | tell the MSC(s) when subscriber data has changed  |                 | 10/11/2017 01:50 AM |  |
| 3879 | OsmoPCU                                    | Bug     | New         | Normal   | TC_sns_1c1u_so_bvc_reset has never passed on jenkins  | laforge         | 03/30/2019 11:13 AM |  |
| 3397 | OsmocomBB                                  | Feature | New         | Normal   | target/firmware: get rid of libosmocore dependency  | fixeria         | 07/16/2018 08:22 PM |  |
| 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 |  |

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| 4244 | OsmoBSC     | Bug     | Feedback    | Normal   | Take MS power class into account to calculate appropriate MS Power level | pespin   | 11/12/2019 04:59 PM | Related to #4244,Related to #4244  |
| 2382 | OsmoBSC     | Bug     | New         | Normal   | T3105 not consistently communicated to all BTS models                    |          | 03/05/2018 07:02 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   |
| 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                           |
| 2501 | OsmoSGSN    | Bug     | In Progress | Normal   | suspected problem with unanswered neighbor solicitation                  | osmith   | 09/11/2019 12:58 PM |  |
| 3732 | OsmoHLR     | Feature | New         | Low      | Support tacdb query in HLR   |          | 07/18/2019 06:12 AM | Related to #3732   |
| 1571 | OsmoBTS     | Feature | New         | Low      | Support RTP multiplexing instead of per-call RTP streams                 |          | 02/23/2016 03:32 PM |  |
| 1794 | OsmoSGSN    | Bug     | Stalled     | Normal   | support random IV for GEA (via XID)                                      |          | 03/01/2018 11:17 PM | Related to #1910,Related to #1672,Related to #2843,Blocks #1794,Blocks #1582 |
| 2546 | OsmoMGW     | Feature | New         | Low      | support play-out/announcement endpoint type                              |          | 10/06/2017 12:30 PM |  |
| 2651 | OsmoMGW     | Feature | New         | Low      | Support MGCP Piggybacking  |          | 11/18/2017 05:44 PM |  |
| 1529 | OsmoPCU     | Feature | New         | Low      | Support MCS 5-9 in uplink  | sysmocom | 03/03/2018 09:45 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  |
| 3373 | OsmoSGSN    | Feature | Stalled     | Normal   | Support for SNS auto-configuration (SIZE / SNS-CONFIG procedure)         | laforge  | 08/14/2018 07:59 PM | Related to #3373,Related to #3388,Related to #3617                           |
| 3207 | OsmoMGW     | Feature | New         | Low      | Support for RTP Payload Format according to "ETSI TS 101 318"            |          | 04/24/2018 03:53 PM |  |
| 3606 | OsmoSTP     | Feature | New         | Normal   | Support for multiple NI (network indicator)                              |          | 10/03/2018 08:58 AM |  |
| 4105 | libosmocore | Feature | New         | Normal   | Support for LTE key derivation functions                                 | laforge  | 07/13/2019 02:07 AM | Related to #4105   |
| 4104 | libosmocore | Bug     | New         | Normal   | support for KASME generation   | laforge  | 07/12/2019 10:15 AM | Related to #4105   |
| 3607 | OsmoSTP     | Feature | New         | Normal   | Support for capability point codes                                       |          | 10/03/2018 08:58 AM |  |
| 3609 | OsmoSTP     | Feature | New         | Low      | Support for C-Link   |          | 10/03/2018 08:58 AM |  |
| 3469 | OsmoMSC     | Feature | New         | Low      | Support for "service category" in emergency calls                        |          | 08/24/2018 12:48 PM | Related to #3470   |
| 3689 | OsmoSGSN    | Bug     | New         | Normal   | Support Cisco GGSN (Cisco 7200 with IOS 12.4.x)                          |          | 04/09/2019 11:21 AM |  |
| 38   | OsmoNITB    | Bug     | New         | Normal   | subscr_update should sync database before dispatching the signal         |          | 03/05/2018 07:34 PM |  |
| 3743 | OsmoMSC     | Bug     | In Progress | Normal   | subscriber re-assoc crashes osmo-msc                                     |          | 12/29/2018 01:14 AM | Is duplicate of #3742  |

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| 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 |                                   |
| 1688 | libosmo-sccp + libosmo-sigtran  | Feature | New         | Low      | SUA: support N-STATE indication primitives for connect and disconnect events   |            | 04/08/2018 07:59 AM |                                   |
| 3478 | OsmoBTS                         | Bug     | New         | Normal   | struct member lchan->meas.bts_tx_pwr is never set  | dexter     | 08/20/2018 09:51 AM |                                   |
| 72   | OsmoNITB                        | Bug     | New         | Low      | struct gsm_call can leak..   |            | 05/09/2016 07:37 PM |                                   |
| 3812 | libosmo-netif                   | Bug     | Stalled     | Normal   | stream_test fails depending on where it is run   |            | 03/13/2019 04:15 PM |                                   |
| 18   | OsmoNITB                        | Feature | New         | Low      | store last location identity to database   |            | 05/24/2018 01:15 PM |                                   |
| 1509 | UmTRX                           | Feature | New         | Normal   | Store calibration values in EEPROM   | ipse       | 02/21/2016 04:47 PM |                                   |
| 4226 | Retro-Networking / BBS-Revival  | Feature | New         | Low      | STM-1 / USB interface?   |            | 10/14/2019 08:19 PM |                                   |
| 2839 | Cellular Network Infrastructure | Bug     | New         | Low      | statistics split between 2G and 3G   |            | 07/18/2019 05:22 AM |                                   |
| 4107 | Cellular Network Infrastructure | Feature | New         | Normal   | Start systemd services as non-root user  | osmith     | 07/15/2019 06:56 AM | Related to #4107                  |
| 3717 | OsmoHLR                         | Bug     | Stalled     | High     | SS/USSD: fix SS session inactivity timeout   | fixeria    | 12/05/2018 08:45 PM |                                   |
| 3445 | OsmoMSC                         | Feature | Stalled     | Normal   | SS/USSD: clean up the local GSM 04.80 API  |            | 12/14/2018 01:57 PM |                                   |
| 3736 | Osmocom.org Servers             | Bug     | In Progress | Normal   | sporadic segmentation faults on jenkins build slave  |            | 12/16/2018 04:08 PM |                                   |
| 3703 | OsmoBTS                         | Bug     | New         | Normal   | sporadic failures of TC_tch_sign_l2_fill_frame test case   |            | 11/22/2018 02:58 PM |                                   |
| 3033 | OsmoTRX                         | Feature | New         | Low      | Split wiki page into multiple smaller pages  |            | 03/05/2018 11:28 AM |                                   |
| 2186 | libosmocore                     | Feature | New         | Low      | split libosmocrypto  |            | 10/05/2017 06:25 AM |                                   |
| 1457 | SIMtrace 2                      | Feature | New         | Low      | Spacing between JTAG and JP1/JP2   | mschramm   | 09/13/2018 07:07 PM |                                   |
| 3569 | OsmoBTS                         | Bug     | Stalled     | Normal   | Some phones don't receive SMSCB  | laforge    | 01/14/2019 03:32 PM |                                   |
| 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                  |
| 1511 | UmTRX                           | Feature | New         | Normal   | Solve Tx and Rx I/Q imbalance for wideband signals   |            | 02/19/2016 10:52 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 |
| 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 |                                   |
| 1587 | OsmoSGSN                        | Feature | Stalled     | Normal   | SMS over GPRS support  |            | 11/25/2018 08:14 PM | Related to #3587                  |
| 2799 | linmodem                        | Feature | New         | Normal   | SIP client support   |            | 01/01/2018 12:04 PM |                                   |
| 2614 | SIMtrace                        | Bug     | New         | Normal   | simtrace_hdr randomly appears in APDU payload  | lukash     | 11/03/2017 08:54 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 |                                   |

| #    | Project                         | Tracker | Status      | Priority | Subject   | Assignee   | Updated             | Related issues   |
|------|---------------------------------|---------|-------------|----------|---|------------|---------------------|--|
| 3815 | SIMtrace 2                      | Bug     | New         | Normal   | simtrace2 fails USB-IF CH9 test   | tsaitgaist | 02/23/2019 03:10 PM |  |
| 3964 | OsmoSGSN                        | Bug     | New         | Normal   | SIGSEGV in sndcp_sm_deactivate_ind()  |            | 10/10/2019 07:11 PM | Related to #3964,Related to #4221  |
| 2694 | OsmocomBB                       | Bug     | New         | Normal   | SIGSEGV in lapdm code   |            | 11/30/2017 08:45 AM |  |
| 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   |
| 3727 | OsmoSGSN                        | Bug     | In Progress | High     | SGSN segfaults on network type change   | lynxis     | 09/15/2019 11:18 PM | Related to #3995,Related to #3727  |
| 3863 | OsmoBTS                         | Support | In Progress | Urgent   | setup testing of osmo-bts-oc2g on real hardware with ttcn3 and osmocon/osmocom-bb   | dexter     | 07/18/2019 06:04 AM |  |
| 2497 | OsmoGSMTester                   | Support | Stalled     | Normal   | Set up SIM cards with auth algo other than comp128v1  | daniel     | 10/15/2019 11:44 AM | Related to #2475   |
| 2704 | OsmocomBB                       | Support | Feedback    | Normal   | set up FCDEV1B board so it can be remotely accessed remotely  | roh        | 10/22/2019 02:58 PM | Related to #3581,Related to #3582  |
| 1527 | OsmoPCU                         | Feature | New         | Low      | Set correct values of the puncturing scheme and the retransmission flag   | sysmocom   | 03/03/2018 09:45 PM |  |
| 1533 | OsmoPCU                         | Feature | Feedback    | Low      | Separate the window handling from the TBF more clearly  | zecke      | 07/21/2017 02:46 PM | Related to #1533   |
| 3761 | OsmocomBB                       | Feature | New         | Normal   | Separate TDMA scheduler into a library (libtdmasched)   | fixeria    | 06/21/2019 11:56 AM |  |
| 1482 | Mobile (in)Security             | Bug     | New         | Normal   | Sending the TMSI of the old/previous network  |            | 02/21/2016 04:35 PM |  |
| 1459 | SIMtrace                        | Bug     | New         | Low      | send a flag tagging the ATR from the card   | laforge    | 05/09/2016 07:48 PM |  |
| 1570 | OsmoBTS                         | Feature | New         | Low      | Select RTP payload identifier based on requested speech mode  |            | 02/23/2016 03:31 PM |  |
| 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   |
| 4143 | libosmo-ranap                   | Feature | New         | Normal   | Security Mode Command needs distinct UEA1 and UEA2 options  |            | 08/06/2019 12:58 PM | Blocks #4144   |
| 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 |  |
| 2558 | Cellular Network Infrastructure | Feature | Stalled     | Normal   | Scripts to manage thousands of "mobile" and hundreds of osmo-bts-virtual instances  |            | 09/04/2019 09:22 AM | Related to #2557,Related to #2556,Related to #2555,Related to #2558,Blocks #2893 |
| 1598 | Cellular Network Infrastructure | Feature | New         | Low      | Scripting language interface  |            | 12/10/2017 08:04 PM |  |
| 2555 | OsmocomBB                       | Feature | Stalled     | Normal   | script interface to OsmocomBB "mobile"  |            | 09/04/2019 02:54 PM | Related to #2555,Related to #2555,Blocks #2893                                   |



| #    | Project                         | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues  |
|------|---------------------------------|---------|-------------|----------|---|----------|---------------------|---|
| 2623 | Cellular Network Infrastructure | Feature | New         | Urgent   | SCCP/M3UA: detect restart of osmo-msc and osmo-sgsn                           | laforge  | 07/18/2019 05:18 AM | Related to #3403  |
| 3977 | OsmoCBC                         | Feature | New         | High     | SABP stream delineation routines  | laforge  | 09/23/2019 04:49 AM | Related to #3979  |
| 3978 | OsmoCBC                         | Bug     | In Progress | High     | SABP encoding/decoding routines   | laforge  | 09/23/2019 04:46 AM |   |
| 3595 | gr-osmosdr                      | Feature | New         | Normal   | RX Tags   |          | 09/25/2018 04:01 PM |   |
| 37   | OsmoNITB                        | Bug     | New         | Normal   | RTP Proxy dealing with SSRC change and sequence numbers                       |          | 03/05/2018 07:34 PM |   |
| 3597 | gr-osmosdr                      | Feature | New         | Low      | rtl: send final samples when device is lost                                   | horiz0n  | 07/18/2019 05:35 AM |   |
| 3592 | gr-osmosdr                      | Bug     | New         | Normal   | rtl: Race Conditions  | horiz0n  | 07/18/2019 05:35 AM |   |
| 3593 | gr-osmosdr                      | Bug     | New         | Low      | rtl: 'len' argument ignored in librtlsdr callback                             | horiz0n  | 07/18/2019 05:35 AM |   |
| 2607 | rtl-sdr                         | Bug     | New         | Normal   | rtl-sdr gnuradio cfile is outdated  |          | 06/03/2018 12:23 PM |   |
| 3058 | OsmoBTS                         | Bug     | New         | Low      | RSL SACCH FILLING are per TRX, not BTS scope                                  |          | 03/11/2018 08:55 PM |   |
| 1578 | OsmoBTS                         | Bug     | New         | Low      | RSL MODE MODIFY can change multi-rate config, but not encryption parameters   | osmith   | 09/30/2018 11:14 AM |   |
| 3190 | OsmoBSC                         | Bug     | New         | Normal   | RSL DELETE INDication not implemented   | osmith   | 07/18/2019 05:42 AM |   |
| 2405 | OsmoPCU                         | Feature | New         | Low      | RLC/MAC encoding routines don't use bitvec L/H                                |          | 07/29/2017 09:01 AM |   |
| 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  |
| 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                  |
| 1719 | Cellular Network Infrastructure | Support | Stalled     | High     | review different 'getting started' guides in the wiki and unify/update them   | daniel   | 03/27/2018 01:40 PM | Related to #1719  |
| 3315 | rtl-sdr                         | Feature | New         | Normal   | review and possibly apply patches from debian package                         | steve-m  | 06/03/2018 01:17 PM |   |
| 2305 | OsmoSGSN                        | Bug     | New         | Normal   | review 'laforge/santos' branch and check if there are pending fixes           | sysmocom | 05/29/2017 04:37 PM |   |
| 2803 | linmodem                        | Bug     | New         | Low      | return ERROR for unsupported AT commands                                      |          | 01/01/2018 12:19 PM |   |
| 3068 | OsmoGSMTester                   | Bug     | New         | Normal   | resource objects leaked or destroyed too late                                 | pespin   | 03/15/2018 06:36 PM |   |
| 2802 | linmodem                        | Feature | New         | Low      | report the connected speed in "CONNECT" message                               |          | 01/01/2018 12:18 PM |   |
| 1569 | OsmoBTS                         | Feature | New         | Low      | Report RF interference levels as part of RF RESOURCE INDICATION               |          | 09/04/2019 09:26 AM | Related to #1569,Related to #2735,Related to #3750,Related to #4006 |
| 1812 | OsmoNITB                        | Feature | New         | Normal   | Report gsm0408_dispatch() failures to MS / UE                                 | sysmocom | 03/05/2018 07:34 PM |   |
| 2682 | libosmocore                     | Feature | New         | Normal   | replace legacy counters with rate_ctr   |          | 09/04/2019 09:21 AM |   |
| 2155 | OP25                            | Feature | New         | High     | Replace FSK4 demodulation with IQ demodulator stage.                          |          | 04/22/2017 04:16 PM |   |
| 3885 | osmo-remsim                     | Feature | New         | Normal   | remsim-server should expose status information                                | laforge  | 04/01/2019 07:23 PM | Precedes #3885  |

| #    | Project                         | Tracker | Status   | Priority | Subject   | Assignee   | Updated             | Related issues  |
|------|---------------------------------|---------|----------|----------|---|------------|---------------------|---|
| 3887 | osmo-remsim                     | Feature | New      | Low      | remsim-client: allow for local handling of APDUs                              | laforge    | 05/08/2019 03:30 PM |   |
| 3919 | osmo-remsim                     | Feature | New      | Normal   | remsim-client ifd_handler for PC/SC integration                               | laforge    | 05/08/2019 03:30 PM |   |
| 2459 | OsmoMGW                         | Feature | New      | Normal   | remove nano3G luUP "Initialization ACK" hack when luUP proxy is in place      |            | 05/30/2018 02:59 PM | Related to #3411,Precedes #2459                                     |
| 1539 | OsmoPCU                         | Feature | Stalled  | Low      | Remove knowledge of the TBF from the PDCH object inside PCU                   |            | 03/01/2018 11:17 PM |   |
| 2173 | OP25                            | Feature | New      | High     | Remove dependency on ET++   |            | 04/22/2017 04:14 PM |   |
| 2378 | OsmocomBB                       | Feature | New      | Normal   | Remove copy-pasted libosmocore ("git subtree") from osmocom-bb.git            |            | 10/24/2018 02:13 PM |   |
| 4087 | SIMtrace 2                      | Bug     | New      | Normal   | remove bogus targets from build process and ftp dir                           | tsaitgaist | 07/04/2019 08:56 AM |   |
| 1756 | OsmoPCU                         | Bug     | New      | Low      | regression: "tbf: Add state WAIT_ASSIGN"                                      | sysmocom   | 03/03/2018 09:45 PM | Related to #1756  |
| 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                  |
| 4044 | Cellular Network Infrastructure | Feature | Stalled  | Normal   | regenerate vty reference during release process                               | osmith     | 07/16/2019 01:52 PM | Related to #4044,Related to #4053,Related to #4073                  |
| 2554 | Cellular Network Infrastructure | Feature | New      | Low      | Reference/Demo setup + documentation for use of OsmoBSC+OsmoBSCNAT with OSMUX | pespin     | 07/18/2019 05:22 AM | Related to #2553,Related to #2552,Related to #2551,Related to #2554 |
| 1538 | OsmoPCU                         | Bug     | Feedback | Low      | Refactor and remove the global BTS singleton                                  | zecke      | 07/21/2017 02:46 PM | Related to #1538,Blocks #1538                                       |
| 3141 | OsmoTRX                         | Bug     | New      | Normal   | Refactor / clean up TRX CTRL / DATA interfaces implementation                 |            | 04/05/2018 05:46 PM |   |
| 2015 | Osmocom.org Servers             | Bug     | Stalled  | Normal   | redmine/gerrit authentication expires too often/frequently                    | zecke      | 03/27/2018 01:44 PM |   |
| 1975 | Cellular Network Infrastructure | Feature | New      | Low      | Redesigned configuration management / MIB                                     | laforge    | 09/17/2019 05:51 PM |   |
| 3884 | osmo-remsim                     | Feature | New      | Normal   | redesign bankd thread architecture  | laforge    | 05/08/2019 03:31 PM | Precedes #3885,Precedes #3886                                       |
| 4080 | rtl-sdr                         | Support | New      | Normal   | Receiving UTAs on 978 Mhz   |            | 07/02/2019 12:08 PM |   |
| 3422 | gr-gsm                          | Bug     | New      | Normal   | Receiver: sample / burst buffering problem                                    | ptrkrysik  | 07/27/2018 07:56 PM |   |
| 3425 | gr-gsm                          | Bug     | New      | Normal   | Receiver: missing AGC (Automatic Gain Control)                                |            | 07/26/2018 08:25 PM |   |
| 3423 | gr-gsm                          | Feature | Stalled  | Normal   | Receiver: hard-coded GSM 05.02 channel configuration                          | ptrkrysik  | 02/06/2019 10:00 AM |   |
| 33   | OsmoSGSN                        | Feature | New      | Low      | real LLC implementation with fragmentation and re-transmissions               |            | 11/09/2016 09:45 AM |   |

| #    | Project             | Tracker | Status      | Priority | Subject  | Assignee   | Updated             | Related issues                                   |
|------|---------------------|---------|-------------|----------|--|------------|---------------------|--|
| 1705 | SIMtrace 2          | Bug     | Stalled     | High     | re-integrate tracing + card reader modes into SIMtrace2 firmware (SAM3S)                           | tsaitgaist | 08/13/2018 04:54 PM | Related to #1705                                 |
| 2389 | OsmoBSC             | Feature | New         | Normal   | re-add siemens MRPCI message, dropped during MSCSPLIT  | laforge    | 05/08/2019 05:45 PM | Related to #2257,Related to #2548                |
| 2390 | OsmoMSC             | Feature | New         | Normal   | re-add osmocom specific TLVs to SMPP messages  |            | 12/23/2017 05:48 PM |  |
| 2191 | OsmoMSC             | Feature | New         | Normal   | raw PDU mode for SMPP  |            | 12/23/2017 05:48 PM |  |
| 3518 | osmo-sip-connector  | Bug     | In Progress | Normal   | Rapid SETUP followed DISC results in lingering B-leg   | keith      | 04/24/2019 08:39 AM |  |
| 1481 | Mobile (in)Security | Bug     | New         | High     | Random LAPDm MAC-block padding is not deployed yet   |            | 02/21/2016 04:34 PM |  |
| 3420 | libosmo-ranap       | Bug     | Stalled     | Normal   | ranap_transp_assoc_decode() decodes X.213 NSAP address headers as IP address                       | osmith     | 10/29/2018 02:28 PM |  |
| 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                |
| 4168 | OsmoMSC             | Bug     | In Progress | Normal   | RAN decode: BSSMAP: BSSMAP data truncated, discarding message                                      | neels      | 09/02/2019 11:42 PM |  |
| 3097 | OsmoBSC             | Feature | New         | Normal   | ramping of "rxlev access min"  |            | 03/22/2018 11:51 AM | Related to #3097                                 |
| 1477 | Mobile (in)Security | Bug     | New         | High     | RACH flood DoS   |            | 02/21/2016 04:34 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                |
| 3849 | OsmoMGW             | Bug     | New         | Normal   | race condition problem in rtp flow tests of the ttcn3 testsuite                                    |            | 09/04/2019 09:26 AM |  |
| 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 |  |
| 2636 | Osmocom.org Servers | Feature | New         | Low      | publish HTML versions of osmo-gsm-manuals  |            | 09/04/2019 09:21 AM |  |
| 2403 | OsmoPCU             | Bug     | New         | Low      | PS-PAGING and CS-PAGING not implemented on PTP-BVCI  | osmith     | 09/10/2019 11:56 AM |  |
| 4144 | OsmoMSC             | Feature | Stalled     | Normal   | provide config to enable/disable UTRAN encryption  |            | 08/13/2019 02:57 PM | Blocks #4144                                     |
| 4042 | SIMtrace 2          | Feature | New         | Normal   | provide command line interface on CDC-ACM device   |            | 06/04/2019 04:07 PM |  |
| 3775 | OsmoTRX             | Bug     | In Progress | Normal   | properly debug limesdr usb and limesdr mini clocking requirements and osmo-trx support             | roh        | 06/27/2019 05:37 PM | Blocks #3341,Blocks #3342,Blocks #3775           |
| 2470 | OsmoBSC             | Feature | New         | Normal   | Proper OML MO (managed object) using osmo_fsm  |            | 12/10/2017 08:16 PM | Related to #34,Related to #2470,Related to #3782 |

| #    | Project                         | Tracker | Status      | Priority | Subject  | Assignee        | Updated             | Related issues  |
|------|---------------------------------|---------|-------------|----------|--|-----------------|---------------------|---|
| 2469 | OsmoBTS                         | Feature | New         | Low      | Proper OML MO (managed object) using osmo_fsm  |                 | 07/18/2019 06:08 AM | Related to #3782,Related to #3789,Related to #3788,Related to #3785,Related to #3790,Related to #3791,Related to #3795,Related to #3796 |
| 1643 | OsmoHLR                         | Feature | New         | Low      | programmatic access to new asynchronous external HLR   |                 | 12/10/2017 08:06 PM | Related to #1643,Blocks #1643   |
| 3324 | OsmoGSMTester                   | Bug     | New         | Normal   | production setup: EC20 fails to enumerate  | lynxis          | 06/23/2018 06:55 PM |   |
| 2287 | OsmoGSMTester                   | Feature | New         | Low      | processes launched by gsmtester: store command lines called next to stdout and stderr                | osmo-gsm-tester | 05/23/2017 12:11 PM |   |
| 2259 | libosmo-sccp + libosmo-sigtran  | Bug     | New         | Normal   | problem with local reference   | laforge         | 07/19/2017 04:25 PM |   |
| 2659 | OsmoMGW                         | Feature | New         | High     | prepare osmo-mgw architecture for other endpoint types   | laforge         | 09/04/2019 09:06 AM | Related to #3260,Related to #2659   |
| 2622 | OsmoBSC                         | Support | Stalled     | High     | Prepare automatic interop testing of OmsoBSC against NG40 core simulator + osmo-bts-virtual + mobile |                 | 09/04/2019 09:18 AM | Related to #2478,Related to #2558,Related to #2555  |
| 1542 | OsmoPCU                         | Bug     | New         | High     | Post gsmtap/EGPRS patch to the wireshark project   |                 | 07/18/2019 03:59 PM |   |
| 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  |
| 48   | OsmoNITB                        | Bug     | New         | Normal   | Periodic timer and paging  |                 | 03/05/2018 07:34 PM |   |
| 1554 | OsmoPCU                         | Feature | New         | Normal   | per-MS BSSGP flow control  |                 | 02/23/2016 03:12 PM | Related to #1554  |
| 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  |
| 3920 | OsmoSGSN                        | Support | In Progress | Normal   | PCAPs files of 3G PS for Osmocom network and Commercial one  |                 | 04/18/2019 02:03 PM | Related to #3920,Related to #3936,Related to #3923,Related to #3937,Related to #3922  |
| 2404 | OsmoPCU                         | Bug     | Feedback    | Low      | PAGING-PS doesn't use QoS parameters from BSSGP  | osmith          | 09/10/2019 11:54 AM |   |
| 2537 | Cellular Network Infrastructure | Feature | Stalled     | Normal   | package wireshark with osmocom patches   | pespin          | 08/17/2018 09:15 AM |   |
| 2379 | OsmocomBB                       | Feature | New         | Normal   | package as .deb  | fixeria         | 07/18/2019 05:43 AM |   |

| #    | Project                         | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|---------------------------------|---------|-------------|----------|--|----------|---------------------|--|
| 1524 | OsmoPCU                         | Bug     | Stalled     | Normal   | PACCH on the wrong timeslot  | lynxis   | 09/04/2019 09:15 AM | Related to #1524,Related to #1524,Related to #1524,Related to #2709,Related to #1524,Related to #1524,Related to #3014 |
| 2439 | libosmo-netif                   | Bug     | New         | Normal   | Osmux: overwrite duplicated RTP packets instead of dropping them   | pespin   | 08/17/2017 07:10 AM | Blocks #2439   |
| 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 |  |
| 3006 | libosmo-netif                   | Bug     | New         | Low      | Osmux: improvements on lost/dropped RTP packets  |          | 09/30/2018 08:34 AM |  |
| 2440 | libosmo-netif                   | Bug     | New         | Normal   | Osmux: Improve lost packet recreation mechanism  | pespin   | 08/14/2017 05:27 PM | Blocks #2439   |
| 4092 | OsmoMGW                         | Feature | New         | Normal   | Osmux: Support dynamic allocation of osmux sockets   | pespin   | 07/05/2019 05:15 PM | Related to #4092   |
| 4193 | OsmoBSC                         | Bug     | New         | Normal   | osmux reference pdf has auto-generated plot not displayed in pdf   | pespin   | 10/16/2019 01:05 PM |  |
| 3309 | libosmocore                     | Feature | New         | Normal   | osmo_timer_* should use monotonic clock  |          | 05/31/2018 03:59 PM | Related to #3309   |
| 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   |
| 3871 | libosmo-sccp + libosmo-sigtran  | Bug     | Stalled     | High     | osmo_scu_prim conn_id should be scoped per-user and direction, and should not correlate with the local-reference spoken on the SCCP wire | osmith   | 07/18/2019 09:33 AM | Related to #3871,Related to #3871,Blocks #3872   |
| 3299 | OsmoBTS                         | Bug     | Stalled     | Normal   | osmo_ortp: scheduler is not started  | dexter   | 06/25/2018 08:02 PM |  |
| 3909 | libosmocore                     | Bug     | New         | Normal   | osmo_get_rand_id() fails in containerised environment  |          | 04/07/2019 04:05 PM | Related to #3909   |
| 4095 | libosmocore                     | Bug     | New         | High     | osmo_get_rand_id() can fail under debian jessie  | osmith   | 07/18/2019 05:50 AM |  |
| 3983 | libosmocore                     | Bug     | New         | Normal   | osmo_fsm_inst_change_parent() forgets to talloc reparent   |          | 05/08/2019 08:00 AM |  |
| 4149 | libosmocore                     | Bug     | New         | Normal   | osmo_fsm allows event names to have spaces in them   | laforge  | 08/24/2019 12:31 PM |  |
| 3722 | libosmocore                     | Bug     | Feedback    | Normal   | osmo_clock_gettime broke build on MacOS  | pespin   | 09/20/2019 10:38 AM |  |
| 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   |
| 2888 | OsmoSTP                         | Bug     | New         | Normal   | OsmoSTP has no TTCN-3 testsuite  | laforge  | 11/12/2019 11:59 AM |  |
| 3954 | OsmoSGSN                        | Bug     | In Progress | Normal   | OsmoSGSN XID code uses hard-coded N201-I / N201-U instead of per-SAPI defaults as per spec   | laforge  | 04/24/2019 08:18 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 |  |
| 3356 | OsmoSGSN                        | Bug     | In Progress | Normal   | OsmoSGSN doesn't provide unique IDTAG_SERNR in IPA CCM   | osmith   | 04/09/2019 11:22 AM | Related to #3356,Related to #3356,Related to #3644   |

| #    | Project                                    | Tracker | Status      | Priority | Subject  | Assignee   | Updated             | Related issues  |
|------|--|---------|-------------|----------|--|------------|---------------------|---|
| 2958 | OsmoSGSN                                   | Bug     | Stalled     | Normal   | OsmoSGSN doesn't authenticate on second/further ATTACH REQUEST                     | lynxis     | 07/18/2019 05:11 AM | Related to #2958  |
| 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 |   |
| 2951 | OsmoSGSN                                   | Bug     | Feedback    | Normal   | OsmoSGSN Accepts two MO L3 Messages with N(U) set to zero                          | osmith     | 09/11/2019 12:24 PM |   |
| 2878 | OsmoMSC                                    | Feature | New         | Low      | OsmoMSC support for "Follow-on request/proceed"                                    |            | 01/26/2018 09:11 PM |   |
| 2788 | OsmoMSC                                    | Feature | New         | Normal   | OsmoMSC should handle CM Service Abort message                                     | neels      | 01/04/2018 10:37 AM |   |
| 3169 | OsmoMSC                                    | Bug     | New         | Low      | OsmoMSC rejects SMPP messages with empty SMS                                       | sysmocom   | 04/14/2018 06:43 PM |   |
| 2877 | OsmoMSC                                    | Bug     | New         | Normal   | OsmoMSC fails on bearer capability without octet 3a                                | osmith     | 07/18/2019 05:45 AM |   |
| 2895 | OsmoMSC                                    | Bug     | New         | Normal   | OsmoMSC excessively uses LU Reject Cause 22 (congestion)                           | osmith     | 07/18/2019 05:41 AM |   |
| 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 |   |
| 2872 | OsmoMSC                                    | Bug     | Feedback    | Normal   | OsmoMSC doesn't check if CIPHER MODE COMPLETE contains cipher that matches REQUEST | neels      | 07/29/2019 01:15 PM |   |
| 2588 | OsmoHNBGW                                  | Bug     | New         | Normal   | OsmoHNBGW has no user manual   | daniel     | 03/16/2018 07:54 PM | Related to #2588  |
| 2796 | OsmoHLR                                    | Bug     | In Progress | Normal   | OsmoHLR doesn't update VLR during UpdateLocation                                   | neels      | 10/08/2018 10:15 PM | Related to #3154,Related to #3355,Related to #3356,Related to #3601 |
| 4172 | OsmoGGSN (former OpenGGSN)                 | Bug     | New         | Normal   | osmoggsn crashes when stopping   |            | 08/29/2019 11:35 AM |   |
| 3200 | Osmocom Conferences (OsmoDevCon + OsmoCon) | Bug     | New         | Normal   | OsmoDevCon: Use loudspeakers even at IN-Berlin                                     |            | 04/23/2018 06:53 PM |   |
| 3201 | Osmocom Conferences (OsmoDevCon + OsmoCon) | Bug     | New         | Normal   | OsmoDevCon: Add one more rectangular table   |            | 04/23/2018 07:00 PM |   |
| 3387 | OsmocomBB                                  | Feature | New         | Low      | osmocon: Use libosmocore logging system  |            | 10/05/2018 04:21 PM |   |
| 2764 | SDR (Software Defined Radio)               | Support | New         | Normal   | osmocom_fft & siggen can't access the X display                                    |            | 12/15/2017 06:09 PM |   |
| 3848 | Miscellaneous Projects                     | Feature | In Progress | Normal   | Osmocom stickers wih black background / non-rectangular outline                    | maike      | 09/04/2019 09:28 AM | Blocks #3848  |
| 3847 | Miscellaneous Projects                     | Feature | New         | Normal   | Osmocom logo with/for black background   | tsaitgaist | 03/18/2019 08:54 AM | Blocks #3848  |
| 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                  |
| 2364 | OsmoBTS                                    | Bug     | New         | Low      | OsmoBTS sends SI1 even if it is not specified/needed                               |            | 07/15/2017 10:06 AM |   |

| #    | Project    | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|------------|---------|-------------|----------|---|----------|---------------------|--|
| 2987 | OsmoBTS    | Bug     | Stalled     | High     | OsmoBTS RxQual/RxLev averaging broken if bursts are missign                                 | dexter   | 11/05/2018 12:57 PM | Related to #2975,Related to #2978,Related to #2987,Related to #3665  |
| 2977 | OsmoBTS    | Feature | In Progress | Normal   | OsmoBTS measurment processing at L1SAP too complex / pass measurements along with data      | dexter   | 11/11/2019 01:27 PM | Related to #2977,Related to #2977,Related to #3530,Related to #3428,Related to #3395,Related to #2977,Related to #3803 |
| 2366 | OsmoBTS    | Feature | New         | Low      | OsmoBTS lacks EXTENDED BCCH support   |          | 07/15/2017 10:42 AM | Related to #1575,Related to #2014  |
| 2974 | OsmoBTS    | Bug     | New         | Low      | OsmoBTS doesn't use the "Diagnostics" part of the RSL Cause IE                              |          | 07/18/2019 05:48 AM |  |
| 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   |
| 3056 | OsmoBTS    | Bug     | New         | Low      | OsmoBTS doesn't implement SACCH Repetition Order (SRO)                                      |          | 07/18/2019 06:08 AM |  |
| 2975 | OsmoBTS    | Bug     | Stalled     | Normal   | OsmoBTS doesn't generate measurement indications in absence of uplink bursts                | dexter   | 11/17/2019 03:41 PM | Related to #2965,Related to #2975,Related to #2975,Related to #2977,Related to #3665,Blocks #2975                      |
| 2978 | OsmoBTS    | Bug     | Stalled     | High     | OsmoBTS rxlev/rxqual SUB computation completely broken [AMR DTX]                            | dexter   | 09/03/2018 07:44 AM | Related to #2978   |
| 2545 | OsmoBSCNAT | Feature | New         | Low      | OsmoBSCNAT misses 3GPP AoIP   |          | 05/30/2018 02:14 PM |  |
| 4124 | OsmoBSCNAT | Feature | New         | Normal   | OsmoBSCNAT : Write user manual  | sysmocom | 07/22/2019 09:02 AM | Related to #4124   |
| 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 |  |
| 3020 | OsmoBSC    | Bug     | New         | Normal   | OsmoBSC PCU socket interface not yet tested by BSC_Tests.ttcn                               | laforge  | 05/21/2019 06:29 PM |  |
| 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  |
| 3806 | OsmoBSC    | Bug     | In Progress | Normal   | OsmoBSC accepts BSSAP with wrong length field   |          | 09/04/2019 09:26 AM | Related to #3806   |

| #    | Project                         | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues  |
|------|---------------------------------|---------|-------------|----------|--|----------|---------------------|---|
| 3962 | OsmoTRX                         | Feature | New         | Low      | osmo-trx: Use gcc attribute no_sanitize to run fine with ASan enabled                |          | 08/26/2019 02:04 PM |   |
| 3981 | OsmoTRX                         | Bug     | New         | Normal   | osmo-trx-lms: Overruns appear from time to time                                      | pespin   | 07/30/2019 04:17 PM | Related to #3981  |
| 3346 | OsmoTRX                         | Bug     | In Progress | Normal   | osmo-trx-lms: Multi channel support: "R_CTL_LPF range limit reached"                 | pespin   | 08/14/2019 10:38 AM | Related to #3346,Related to #4151                                   |
| 4136 | OsmoTRX                         | Bug     | Feedback    | Normal   | osmo-trx-lms: makes kernel eat all system memory when run under realtime priority    | pespin   | 08/26/2019 08:57 AM |   |
| 3342 | OsmoTRX                         | Bug     | In Progress | Normal   | osmo-trx-lms: low tx output power level  | roh      | 10/01/2019 04:04 PM | Related to #3342,Blocks #3342                                       |
| 3949 | OsmoTRX                         | Bug     | New         | Normal   | osmo-trx-lms: improve runtime gain setting (missing calibration)                     |          | 04/23/2019 08:32 AM |   |
| 3341 | OsmoTRX                         | Bug     | In Progress | High     | osmo-trx-lms RF Envelope FAIL on LimeSDR, but not on LimeSDR-mini                    | roh      | 10/04/2019 04:40 PM | Related to #3341,Related to #3861,Blocks #3341                      |
| 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 |   |
| 2430 | OsmoTRX                         | Feature | New         | Low      | osmo-trx support bladerf   |          | 02/23/2018 05:14 PM |   |
| 4182 | OsmoTRX                         | Bug     | Feedback    | High     | osmo-trx build failures on obs   | pespin   | 10/01/2019 02:19 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 |   |
| 4238 | OsmoSTP                         | Bug     | In Progress | Low      | osmo-stp allows RKM de-registration for active ASP                                   | laforge  | 11/05/2019 04:26 PM |   |
| 1685 | osmo-sip-connector              | Feature | In Progress | Normal   | osmo-sip-connector: Review and define log statements and which info to include       | osmith   | 09/04/2019 09:31 AM |   |
| 1683 | osmo-sip-connector              | Bug     | In Progress | Urgent   | osmo-sip-connector: Implement codec selection / move codec selection to osmo-msc     | neels    | 11/07/2019 11:56 PM | Related to #1683,Related to #1683,Related to #1683,Related to #3650 |
| 1686 | osmo-sip-connector              | Feature | New         | Normal   | osmo-sip-connector: Implement call holding on SIP                                    | sysmocom | 09/04/2019 09:31 AM |   |
| 1687 | osmo-sip-connector              | Feature | New         | Low      | osmo-sip-connector: Explore 3-way conference call                                    | sysmocom | 09/04/2019 09:31 AM |   |
| 1679 | osmo-sip-connector              | Feature | Stalled     | High     | osmo-sip-connector: Add stats for call handling                                      | osmith   | 09/04/2019 09:32 AM | Related to #3636  |
| 1967 | Cellular Network Infrastructure | Bug     | New         | Low      | osmo-sim-auth: NoneType exception with AUTN generated from OP                        | dexter   | 01/23/2019 02:57 PM |   |
| 4245 | OsmoSGSN                        | Bug     | Feedback    | High     | osmo-sgsn hitting assert during osmo-gsm-tester ping.py test                         | pespin   | 11/08/2019 06:31 PM | Related to #4245,Related to #4245                                   |



| #    | Project                         | Tracker | Status      | Priority | Subject   | Assignee        | Updated             | Related issues                         |
|------|---------------------------------|---------|-------------|----------|---|-----------------|---------------------|--|
| 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      |
| 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                       |
| 4250 | osmo-remsim                     | Bug     | New         | Normal   | osmo-resmsim-bankd requires unreleased libosmocore patch                                      | laforge         | 11/07/2019 02:23 PM |  |
| 4119 | osmo-remsim                     | Bug     | Feedback    | Normal   | osmo-remsim-client-st2 leaking memory   | roh             | 09/18/2019 06:24 PM | Related to #4119                       |
| 4097 | osmo-remsim                     | Bug     | Feedback    | Urgent   | osmo-remsim-bankd leaking memory  | roh             | 09/18/2019 06:25 PM | Related to #4097,Related to #4119      |
| 3883 | osmo-remsim                     | Bug     | New         | Urgent   | osmo-remsim user manual lacks examples  | laforge         | 07/16/2019 02:43 PM |  |
| 1899 | osmo-qcdiag                     | Bug     | New         | Normal   | osmo-qcdiag: DIAG based pcap tracing (DPL) not working  |                 | 01/11/2017 12:15 PM |  |
| 1900 | osmo-qcdiag                     | Feature | New         | Normal   | osmo-qcdiag: Add FUSE based access for EFS  |                 | 01/11/2017 12:15 PM |  |
| 1901 | osmo-qcdiag                     | Feature | New         | Normal   | osmo-qcdiag: Ability to read/write NV data  |                 | 01/11/2017 12:15 PM |  |
| 1907 | osmo-qcdiag                     | Bug     | New         | Normal   | osmo-qcdiag detects CRC errors relatively often   |                 | 01/23/2017 01:47 AM |  |
| 2791 | Cellular Network Infrastructure | Bug     | New         | Normal   | osmo-python-tests: osmo_ctrl.py: there is no argument to get the list of avaiable stats       | lynxis          | 05/08/2019 02:43 PM |  |
| 2938 | OsmoNITB                        | Bug     | New         | Low      | osmo-nitb version 1.0.0 in 'latest' constantly logs LIBDBI error                              |                 | 02/13/2018 11:00 AM |  |
| 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 |  |
| 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                       |
| 2601 | libosmo-sccp + libosmo-sigtran  | Feature | New         | Low      | osmo-msc still needs libosmo-sccp-dev for SCCP CAUSE definitions                              | laforge         | 10/28/2017 09:49 PM |  |
| 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      |
| 3829 | OsmoMSC                         | Bug     | New         | Normal   | osmo-msc expects aoip TLV in Assignment Complete messages from BSC                            |                 | 03/07/2019 08:30 PM |  |
| 4117 | OsmoMSC                         | Bug     | New         | Normal   | osmo-msc crash when paging SGs after MME disconnects  | dexter          | 08/01/2019 09:27 AM |  |
| 3511 | OsmoMGW                         | Bug     | In Progress | Normal   | osmo-mgw does not forward RTP packets anymore   |                 | 08/29/2018 04:33 PM |  |
| 3352 | OsmoMGW                         | Feature | New         | Low      | osmo-mgw does not allow multiple codecs in LCO  | dexter          | 06/23/2018 06:18 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                       |
| 2197 | OsmoGSMTester                   | Feature | Stalled     | Normal   | osmo-gsm-tester: use MNCC interface   | osmo-gsm-tester | 11/30/2017 10:41 AM | Related to #2194,Is duplicate of #2197 |
| 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 |  |

| #    | Project                         | Tracker | Status      | Priority | Subject  | Assignee        | Updated             | Related issues                     |
|------|---------------------------------|---------|-------------|----------|--|-----------------|---------------------|------------------------------------|
| 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                   |
| 4151 | OsmoGSMTester                   | Bug     | Stalled     | Normal   | osmo-gsm-tester: osmo-trx-lms process sometimes kept forever in zombie-alike state after killing it                            | pespin          | 09/17/2019 11:22 AM | Related to #4151                   |
| 3715 | OsmoGSMTester                   | Bug     | New         | Low      | osmo-gsm-tester: Mainloop.wait() hangs forever in Mainloop.poll()  | pespin          | 12/03/2018 09:53 AM |                                    |
| 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                   |
| 2230 | OsmoGSMTester                   | Feature | New         | Normal   | osmo-gsm-tester: arfcn as resource   | osmo-gsm-tester | 12/14/2017 04:08 PM | Related to #2230                   |
| 2208 | OsmoGSMTester                   | Feature | New         | Low      | osmo-gsm-tester: allow running binaries for a whole suite, or only for a single test   | osmo-gsm-tester | 05/30/2017 01:07 PM | Related to #2208                   |
| 2200 | OsmoGSMTester                   | Feature | New         | Low      | osmo-gsm-tester: allow collecting statistics / KPI of a test case  | osmo-gsm-tester | 05/15/2017 12:58 PM | Related to #2201                   |
| 2374 | OsmoGSMTester                   | Feature | New         | Normal   | osmo-gsm-tester: add test case: sms between MS with delivery report  | osmo-gsm-tester | 08/10/2017 04:37 PM |                                    |
| 2311 | OsmoGSMTester                   | Feature | New         | Normal   | osmo-gsm-tester: add test case: smpp: smpp_first feature   | osmo-gsm-tester | 05/31/2017 04:21 PM |                                    |
| 2313 | OsmoGSMTester                   | Feature | New         | Normal   | osmo-gsm-tester: add test case: smpp: imsi extension   | osmo-gsm-tester | 05/31/2017 04:27 PM |                                    |
| 2314 | OsmoGSMTester                   | Feature | New         | Normal   | osmo-gsm-tester: add test case: smpp: correct ESME routing   | osmo-gsm-tester | 05/31/2017 04:29 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 |                                    |
| 2209 | OsmoGSMTester                   | Feature | New         | Low      | osmo-gsm-tester: add test API to explicitly free a resource  | osmo-gsm-tester | 05/19/2017 11:01 AM | Related to #2208                   |
| 2646 | OsmoGSMTester                   | Feature | New         | Normal   | osmo-gsm-tester: Add osmo-sip-connector support  | osmo-gsm-tester | 04/23/2018 10:40 AM |                                    |
| 2860 | OsmoGSMTester                   | Feature | New         | Normal   | osmo-gsm-tester: Add 3g support with nano3G board  | pespin          | 09/20/2019 11:41 AM | Related to #2860                   |
| 2861 | OsmoGSMTester                   | Feature | New         | Normal   | osmo-gsm-tester: Add 3g support for sysmocell-5k   | osmo-gsm-tester | 05/30/2018 02:58 PM | Related to #2860                   |
| 2207 | OsmoGSMTester                   | Feature | New         | Low      | osmo-gsm-tester trial run-dir: improve structure   | osmo-gsm-tester | 05/24/2017 01:04 PM |                                    |
| 4131 | Cellular Network Infrastructure | Bug     | In Progress | Low      | osmo-gsm-manuals: Use leveloffset attribute on common documents  | osmith          | 08/02/2019 09:54 AM | Related to #4140                   |
| 1921 | Cellular Network Infrastructure | Bug     | New         | Normal   | osmo-gsm-manuals: Purge-MS operation doc error?  | daniel          | 03/16/2018 07:55 PM |                                    |
| 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 |
| 3982 | Cellular Network Infrastructure | Feature | New         | Low      | osmo-depcheck.py: set dependency hashes on command line  | osmith          | 05/08/2019 11:51 AM |                                    |
| 4108 | Cellular Network Infrastructure | Bug     | New         | Low      | osmo-ctrl2cgi, osmo-trap2cgi: missing default configs  |                 | 07/16/2019 12:30 PM | Related to #4108                   |
| 3902 | OsmoGSMTester                   | Support | New         | Normal   | osmo-ci: ansible: gsm-tster: Drop local copy of osmo-gsm-tester shell helpers and install them from osmo-gsm-tester.git master | lynxis          | 04/04/2019 02:59 PM |                                    |
| 61   | OsmoBTS                         | Feature | New         | Low      | osmo-bts: split TRAU/RTP frame handling into separate process  |                 | 06/13/2016 01:16 PM |                                    |
| 3329 | OsmoBTS                         | Feature | New         | Normal   | osmo-bts: Implement IMMEDIATE ASSIGNMENT EXTENDED  | sysmocom        | 06/08/2018 12:02 PM | Related to #3330                   |

| #    | Project                | Tracker | Status      | Priority | Subject   | Assignee               | Updated             | Related issues   |
|------|------------------------|---------|-------------|----------|---|------------------------|---------------------|--|
| 2942 | OsmoBTS                | Bug     | New         | Low      | osmo-bts-virtual+virtphy+mobile paging for SMS delivery fails   |                        | 02/13/2018 05:05 PM |  |
| 2979 | OsmoBTS                | Bug     | Stalled     | Low      | osmo-bts-virtual reports bogus measurement values   | laforge                | 07/18/2019 06:06 AM |  |
| 3612 | OsmoBTS                | Bug     | Stalled     | Normal   | osmo-bts-trx: heap-use-after-free in e1inp_sign_link_destroy  | pespin                 | 10/03/2018 12:54 PM | Related to #4094   |
| 1771 | OsmoBTS                | Feature | New         | Low      | osmo-bts-trx: clarify check_transceiver_availability()  |                        | 03/01/2018 11:17 PM | Related to #1770   |
| 2560 | OsmoBTS                | Bug     | Stalled     | Low      | osmo-bts-trx crash with sigabrt   | lynxis                 | 05/17/2018 11:33 AM |  |
| 1804 | OsmoBTS                | Bug     | Stalled     | Low      | osmo-bts-sysmo, osmo-bts-litecell15: L1 phy unusable after PCU disconnects  | sysmocom               | 05/30/2017 03:35 PM | Related to #57   |
| 1755 | OsmoBTS                | Feature | New         | Low      | osmo-bts-sysmo L1: unify hLayer3 handling   | Osmocom CNI Developers | 02/02/2017 04:00 PM | Related to #1755   |
| 2674 | OsmoBTS                | Bug     | New         | Low      | osmo-bts-sysmo GPRS failing if running without "-M"   | pespin                 | 07/18/2019 06:08 AM |  |
| 3052 | OsmoBTS                | Bug     | Stalled     | Normal   | osmo-bts-sysmo fails to detect RACH bursts from osmocom-bb  | laforge                | 03/14/2018 05:42 AM |  |
| 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 |  |
| 2245 | OsmoGSMTester          | Bug     | New         | Low      | osmo-bts cfg: fix band string   | osmo-gsm-tester        | 05/15/2017 12:58 PM | Related to #2230   |
| 3370 | OsmoBTS                | Bug     | Feedback    | Low      | osmo-bts "substituting all-zero burst" and osmo-pcu "Link quality (0dB) left window [5, 8], modifying uplink CS levels: CS-2 -> CS-1" | lynxis                 | 10/03/2019 05:34 PM | Related to #3428   |
| 3708 | OsmoBSC                | Bug     | Feedback    | Normal   | osmo-bsc: Wrong handling of PDCH DEACT NACK   | pespin                 | 12/05/2018 04:19 PM | Related to #3708, Related to #3708   |
| 4078 | OsmoBSC                | Bug     | In Progress | Normal   | osmo-bsc: Sends duplicated BSSMAP Clear Request upon HO failure (TC_ho_out_fail_no_ho_detect)   | neels                  | 07/08/2019 04:53 PM |  |
| 3330 | OsmoBSC                | Feature | New         | Normal   | osmo-bsc: Implement IMMEDIATE ASSIGNMENT EXTENDED   | sysmocom               | 06/08/2018 12:14 PM | Related to #3330   |
| 3976 | OsmoBSC                | Bug     | New         | Normal   | osmo-bsc: heap-use-after-free upon MGW CRCX failure response  | neels                  | 05/06/2019 11:03 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 |  |
| 3476 | OsmoBSC                | Support | New         | High     | osmo-bsc manual needs to explain the AoIP config 'cs7 instance'   |                        | 08/20/2018 09:06 AM |  |
| 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 |
| 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   |
| 3975 | OsmoBSC                | Bug     | New         | Normal   | osmo-bsc crash during startup with nokia insite   | laforge                | 07/18/2019 06:00 AM | Related to #3975   |
| 3819 | gr-osmosdr             | Support | New         | Urgent   | OSMO SDR blocks for GNUradio  |                        | 02/28/2019 06:00 PM |  |
| 2669 | OsmoMSC                | Bug     | New         | Low      | osm-msc doesn't clean up BSC state  | osmith                 | 09/30/2018 11:37 AM |  |
| 2355 | OsmoBTS                | Bug     | New         | Low      | optimize log output of phy specific code  |                        | 09/04/2019 09:26 AM | Related to #2355   |

| #    | Project            | Tracker | Status      | Priority | Subject   | Assignee        | Updated             | Related issues  |
|------|--------------------|---------|-------------|----------|---|-----------------|---------------------|---|
| 2610 | libosmocore        | Feature | New         | Low      | optimize GnuTLS fallback  |                 | 05/01/2018 04:07 PM | Related to #2610,Related to #3909                                   |
| 1832 | Linux Kernel GTP-U | Feature | New         | Normal   | OpenvSwitch GTP-u patch for 2.5   |                 | 10/27/2016 08:56 AM |   |
| 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                                   |
| 4130 | OP25               | Bug     | New         | Normal   | OP25 User Interface   |                 | 07/26/2019 02:36 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 |   |
| 4082 | OsmoBTS            | Bug     | New         | Normal   | OML: Unknown/unhandled PCHAN type: 0 NONE   |                 | 11/17/2019 09:18 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                                   |
| 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 |
| 2691 | OsmoNITB           | Bug     | Feedback    | Normal   | Old TMSI paged after LU   |                 | 05/17/2018 11:47 AM |   |
| 28   | OsmoNITB           | Bug     | New         | Low      | Old siemens phones cannot make voice calls (04.08 channel mode)                   |                 | 03/05/2018 07:36 PM |   |
| 1505 | UmTRX              | Bug     | New         | High     | OHM4 footprint incorrect  |                 | 02/19/2016 10:52 PM |   |
| 2941 | OsmoGSMTester      | Bug     | New         | Normal   | ofono: SierraW sometimes crashing while deactivating a context.                   | lynxis          | 02/13/2018 04:16 PM |   |
| 3046 | OsmoGSMTester      | Bug     | New         | Normal   | ofono: SierraW modem fails to power on  | lynxis          | 03/09/2018 10:58 AM |   |
| 3676 | OsmoGSMTester      | Bug     | New         | Normal   | ofono: org.ofono.ConnectionManager property Bearer returning "none"               | osmo-gsm-tester | 10/29/2018 01:11 PM |   |
| 2237 | OsmoGSMTester      | Bug     | Feedback    | Normal   | ofono: Gobi modem: successful SMS delivery is evaluated as not successful         | lynxis          | 06/07/2018 02:08 PM | Related to #2237,Related to #2237,Blocks #2237                      |
| 2238 | OsmoGSMTester      | Bug     | In Progress | Normal   | ofono: Gobi modem: cannot receive SMS   | lynxis          | 01/04/2018 11:07 AM | Related to #2238  |
| 2468 | OsmoGSMTester      | Feature | New         | Low      | ofono: gobi modem doesn't support ofono SupplementaryServices interface           | lynxis          | 10/17/2017 11:55 AM |   |
| 2236 | OsmoGSMTester      | Bug     | New         | Low      | ofono: Fix valgrind issues  | lynxis          | 10/17/2017 12:15 PM |   |
| 2432 | OsmoGSMTester      | Feature | New         | Low      | ofono: Find out how to receive Status / Delivery report                           | lynxis          | 02/18/2019 03:43 PM |   |
| 2189 | OsmoGSMTester      | Bug     | New         | Normal   | ofono: EC20: cannot send SMS  | lynxis          | 11/28/2017 04:21 PM |   |
| 2683 | OsmoGSMTester      | Bug     | In Progress | Normal   | ofono: EC20 failing to create ipv6 or dual contexts                               | lynxis          | 12/15/2017 11:41 AM | Related to #2713,Blocks #2683                                       |

| #    | Project                                    | Tracker | Status  | Priority | Subject  | Assignee   | Updated             | Related issues                                     |
|------|--|---------|---------|----------|--|------------|---------------------|--|
| 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                  |
| 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                                   |
| 4242 | Retro-Networking / BBS-Revival             | Feature | New     | Low      | offer CCC event schedule (Fahrplan) as gopher service  |            | 10/28/2019 09:22 AM |  |
| 2807 | Z-Netz                                     | Bug     | New     | Normal   | Obtain ZERBERUS software build[s] and manual[s]  | laforge    | 01/01/2018 01:08 PM |  |
| 2969 | OsmoBSC                                    | Feature | New     | Low      | obtain and store subscriber identity   | neels      | 01/03/2019 06:03 PM | Related to #2969                                   |
| 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 |
| 41   | OsmoMSC                                    | Bug     | New     | Normal   | Numbering Plan in OsmoMSC  |            | 06/23/2018 07:37 PM |  |
| 2384 | OsmoPCU                                    | Bug     | New     | Low      | NSVCI=0 seems to cause problems  | laforge    | 07/25/2017 05:50 PM | Related to #2384,Related to #4111                  |
| 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                                   |
| 3662 | gr-gsm                                     | Bug     | New     | Normal   | not building on OSX 10.13.4  |            | 10/29/2018 08:52 AM |  |
| 1838 | OsmoPCU                                    | Bug     | Stalled | Normal   | Nokia E52 doest reply to PUAN message properly   |            | 10/29/2017 06:47 PM |  |
| 3591 | rtl-sdr                                    | Bug     | New     | Normal   | No Way To Detect Occasional Failed Bulk Transfers  |            | 09/25/2018 01:29 PM |  |
| 69   | OsmoBSC                                    | Bug     | New     | Low      | No timers for various calls  |            | 12/10/2017 07:53 PM |  |
| 2953 | OsmoSGSN                                   | Bug     | New     | Normal   | No timeout waiting for UpdateLocation Response on GSUP   | lynxis     | 05/17/2018 01:57 PM | Related to #2952                                   |
| 2957 | OsmoSGSN                                   | Bug     | New     | Normal   | No timeout during GSUP PURGE MS to HLR   | lynxis     | 04/15/2019 07:36 AM |  |
| 2411 | OsmoMGW                                    | Feature | New     | Low      | No support for RTP dynamic payload types - AMR/HR/EFR payload types are hardcoded                              |            | 03/05/2018 07:04 PM |  |
| 2179 | Osmocom Conferences (OsmoDevCon + OsmoCon) | Bug     | New     | Normal   | no sign about OsmoCon outside of venue   |            | 04/24/2017 07:10 PM |  |
| 3683 | SIMtrace 2                                 | Bug     | New     | Low      | no reset after DFU flash   | tsaitgaist | 11/06/2018 04:37 PM |  |
| 4141 | Cellular Network Infrastructure            | Bug     | New     | Normal   | No osmux specific code in place during codec negotiation   | sysmocom   | 08/05/2019 03:57 PM |  |
| 1831 | OsmoPCU                                    | Bug     | Stalled | Normal   | No handling for padding octets(LI 127) for EGPRS. row 3rd of Table 10.4.14a.1 TS 44.060 version 7.27.0 Release | sysmocom   | 04/15/2019 07:46 AM |  |
| 2955 | OsmoSGSN                                   | Bug     | New     | High     | No GMM ATTACH REJECT on GSUP UpdateLocation Error  | lynxis     | 09/10/2019 07:39 PM |  |
| 3209 | OsmoGGSN (former OpenGGSN)                 | Bug     | Stalled | Urgent   | no example config file + documentation about kernel GTP with OsmoGGSN  | laforge    | 07/04/2018 12:45 PM |  |

| #    | Project                         | Tracker | Status      | Priority | Subject  | Assignee               | Updated             | Related issues   |
|------|---------------------------------|---------|-------------|----------|--|------------------------|---------------------|--|
| 2858 | OsmoHNBGW                       | Bug     | New         | Low      | No automatic testing of luh interface  |                        | 05/30/2018 03:00 PM | Precedes #2858   |
| 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 |  |
| 3272 | E1/T1 Hardware Interface        | Feature | New         | Normal   | next-generation osmo-e1-xcvr board   | vogelchr               | 09/10/2018 11:22 AM | Related to #3272   |
| 3802 | gr-osmosdr                      | Feature | New         | Normal   | New release  | horiz0n                | 02/15/2019 07:22 AM |  |
| 2224 | SDR (Software Defined Radio)    | Feature | New         | Normal   | New Fosphor Benchmark Performance  |                        | 05/04/2017 01:23 PM |  |
| 3772 | Cellular Network Infrastructure | Bug     | In Progress | Normal   | new build host tcc-deb9build: failure to push manuals  | laforge                | 02/01/2019 09:21 AM | Related to #3772   |
| 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  |
| 3560 | OsmoGSMTester                   | Bug     | Stalled     | Normal   | nanoBTS multiTRX tests in osmo-gsm-tester Prod setup failing   | pespin                 | 09/04/2019 09:16 AM | Related to #3560,Related to #3560,Related to #3628,Is duplicate of #3475             |
| 4094 | OpenBSC                         | Bug     | New         | Normal   | multiple crashes due to connection failures / drops  |                        | 07/09/2019 07:41 PM | Related to #4094   |
| 3280 | OsmocomBB                       | Feature | New         | Low      | Multiparty SS support in OsmocomBB   |                        | 05/22/2018 07:40 AM |  |
| 1561 | OsmoBTS                         | Feature | New         | Low      | Multi-TRX support (one osmo-bts process per TRX)   |                        | 02/23/2016 03:18 PM |  |
| 3501 | SIMtrace 2                      | Feature | New         | Low      | Multi-sim addon board idea   | sysmocom hardware team | 08/28/2018 03:00 PM |  |
| 4207 | OsmoTRX                         | Bug     | New         | Normal   | multi-arfcn not working properly   | pespin                 | 09/16/2019 05:27 PM |  |
| 1479 | Mobile (in)Security             | Bug     | New         | Normal   | MTK stack unable to send MO-SMS on TCH/F   |                        | 04/03/2019 09:01 AM |  |
| 4038 | OsmoMSC                         | Feature | New         | Normal   | MSC_Tests_lu: BSC_ConnectionHandler.ttcn missing handling of RAB-AssignmentRequest                         | sysmocom               | 06/03/2019 02:54 PM |  |
| 2487 | OsmoMSC                         | Feature | Stalled     | Normal   | MSC side of LCLS (local call local switching) as per the 3GPP specs  |                        | 09/04/2019 09:05 AM | Related to #1602,Related to #3659,Related to #3691,Related to #3618,Related to #3294 |
| 4017 | OsmoMSC                         | Bug     | New         | Normal   | MSC fails to handle calls  |                        | 05/29/2019 04:56 PM |  |
| 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 |  |
| 4213 | OsmoBTS                         | Support | Feedback    | High     | ms-power-control   | pespin                 | 11/05/2019 01:42 PM | Related to #4213,Related to #4244  |
| 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   |

| #    | Project                         | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                                     |
|------|---------------------------------|---------|-------------|----------|--|----------|---------------------|--|
| 3834 | OsmoPCU                         | Bug     | New         | Normal   | MS set_mode()/set_current_cs_*(<br>inconsistent results                            | lynxis   | 04/15/2019 07:48 AM | Related to #3834,Related to #3834,Related to #3834 |
| 3814 | OsmoBSC                         | Bug     | New         | Normal   | MS Power Control Problem with Osmo-BSC and nanoBTS                                 |          | 02/24/2019 01:15 AM |  |
| 2438 | OsmoNITB                        | Bug     | New         | Normal   | MS not registered from osmocom PoV, but registered from ofono PoV                  |          | 08/14/2017 09:36 AM |  |
| 1577 | OsmoBTS                         | Bug     | New         | Normal   | mph_send_config_logchpar doesn't update encryption config                          |          | 02/23/2016 03:39 PM |  |
| 4122 | OsmoMSC                         | Support | New         | Normal   | Moving to the smpp-config node and getting SMPP messages working                   |          | 07/22/2019 02:07 PM |  |
| 1568 | OsmoBTS                         | Feature | New         | Low      | Move various code bits to libosmocore  | fixeria  | 07/18/2019 06:08 AM |  |
| 1506 | UmTRX                           | Feature | New         | Normal   | Move to the latest stable UHD  | ipse     | 02/21/2016 04:47 PM |  |
| 1537 | OsmoPCU                         | Feature | New         | Low      | Move the BSSGP handling to libosmocore   |          | 03/01/2018 11:17 PM | Related to #1537,Related to #2388                  |
| 3688 | OsmoSGSN                        | Feature | New         | Low      | move generic gtpub code to libosmocore   |          | 04/15/2019 07:29 AM |  |
| 1954 | OsmocomBB                       | Bug     | In Progress | Normal   | Motorola C188 with Osmocombb firmwre(RAM version) can't scan out any base stations |          | 07/10/2017 10:24 PM |  |
| 1612 | Cellular Network Infrastructure | Bug     | New         | Low      | more configuration consistency checking  | sysmocom | 09/30/2018 11:48 AM |  |
| 2815 | linmodem                        | Feature | New         | Normal   | modern ptmx / pty handling (UNIX 98)   |          | 01/01/2018 02:48 PM |  |
| 3399 | OsmocomBB                       | Feature | Stalled     | High     | mobile: refactor / finish external MNCC handler implementation                     | fixeria  | 10/04/2018 09:07 PM |  |
| 3400 | OsmocomBB                       | Feature | Stalled     | Normal   | mobile: implement GAPK based audio capture / playback (via ALSA)                   | fixeria  | 10/04/2018 09:11 PM | Blocks #3400                                       |
| 3629 | OsmocomBB                       | Bug     | New         | Normal   | mobile aborting after 'test re-selection 1' on vty                                 |          | 10/04/2018 02:58 PM |  |
| 2832 | OsmoMSC                         | Feature | New         | Low      | MNCC doesn't include field for "supported codecs"                                  |          | 01/16/2018 07:00 AM | Related to #2832,Related to #1683                  |
| 2962 | OsmoSGSN                        | Bug     | New         | Normal   | Missing TTCN-3 test cases  | lynxis   | 05/30/2018 02:19 PM |  |
| 4225 | OP25                            | Support | New         | Normal   | Missing rules in cmake lists?  | 2CS350   | 10/12/2019 02:49 PM |  |
| 1640 | OsmoPCU                         | Bug     | Stalled     | High     | Missing release field/length in MS RA capability container                         | lynxis   | 04/15/2019 07:47 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                  |
| 3927 | OsmoPCU                         | Bug     | Stalled     | High     | Missing PCU_Tests.ttcn Paging tests  | osmith   | 10/14/2019 07:11 AM |  |
| 3929 | OsmoPCU                         | Bug     | New         | Normal   | Missing PCU_Tests.ttcn link adaptation tests                                       | lynxis   | 10/04/2019 08:15 PM | Related to #3929                                   |
| 3928 | OsmoPCU                         | Bug     | In Progress | High     | Missing PCU_Tests.ttcn for various timers / time-outs                              | pespin   | 10/07/2019 09:47 AM |  |
| 3926 | OsmoPCU                         | Bug     | New         | High     | Missing PCU_Tests.ttcn DL TBF tests  | lynxis   | 04/15/2019 07:55 AM |  |

| #    | Project                         | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|---------------------------------|---------|-------------|----------|---|----------|---------------------|------------------|
| 4023 | OsmoBTS                         | Bug     | Stalled     | Normal   | Missing coverage of PCU interface in osmo-bts           |          | 11/16/2019 08:04 PM | Related to #4023 |
| 3631 | Osmocom.org Servers             | Feature | In Progress | Normal   | migrate/upgrade openmoko.org mediawiki to osmocom-host2 | laforge  | 10/07/2018 09:29 AM |                  |
| 3083 | Osmocom.org Servers             | Feature | New         | Normal   | migrate trac to new server?                             | laforge  | 06/13/2018 09:55 AM |                  |
| 3371 | SIMtrace 2                      | Feature | New         | Normal   | migrate to use arm-none-eabi build of libosmocore.git   | laforge  | 08/09/2018 12:14 PM |                  |
| 2819 | Cellular Network Infrastructure | Feature | New         | Low      | migrate to python3                                      |          | 07/18/2019 05:22 AM |                  |

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