

## Issues

| #    | Project                         | Tracker | Status | Priority | Subject   | Assignee        | Updated             | Related issues                    |
|------|---------------------------------|---------|--------|----------|---|-----------------|---------------------|-----------------------------------|
| 1982 | libosmocore                     | Bug     | New    | Normal   | LAPD: segfault in lapd_est_req function   |                 | 03/15/2017 09:15 AM | Related to #1982                  |
| 1979 | OsmoBTS                         | Bug     | New    | Normal   | Priority of SAPI=0/SAPI=3 on SABM   |                 | 03/10/2017 09:07 PM |                                   |
| 3794 | Cellular Network Infrastructure | Bug     | New    | High     | 'make install' overwrites \$prefix/etc/osmocom/*.cfg                                    |                 | 02/12/2019 12:26 PM |                                   |
| 3032 | OsmoBTS                         | Bug     | New    | High     | (Wrong?) measurement of both RSSI and ToA on TCH channels                               | tnt             | 11/26/2018 02:32 PM | Related to #2977,Related to #3032 |
| 1462 | OsmocomBB                       | Bug     | New    | High     | ../../src/utlis.c:182:7: error: only weak aliases are supported in this configuration   |                 | 02/21/2016 04:48 PM |                                   |
| 2675 | OsmoBTS                         | Bug     | New    | Low      | /usr/bin/lc15bts-mgr can't find GPS 3D fix to for calibration                           | pespin          | 02/13/2018 03:34 PM |                                   |
| 1744 | OsmoBTS                         | Bug     | New    | Normal   | 1-way voice between sysmobts and nanobts if DTX is enabled                              |                 | 06/13/2016 12:54 PM | Related to #1562                  |
| 1977 | OsmoSGSN                        | Bug     | New    | Normal   | 3G LuPS is unreliable   | sysmocom        | 05/30/2018 03:01 PM | Related to #1818                  |
| 3276 | Osmocom.org Servers             | Bug     | New    | Low      | 502 during cgjit rendering of large repo / increase proxy timeout                       | laforge         | 05/17/2018 12:28 PM |                                   |
| 1480 | Mobile (in)Security             | Bug     | New    | High     | A5/3 is not deployed in GSM networks  |                 | 02/21/2016 04:34 PM |                                   |
| 3737 | OsmoBSC                         | Bug     | New    | Urgent   | abort because unused lchan has non-null conn pointer, after AMR config error            |                 | 12/18/2018 02:27 AM |                                   |
| 2160 | OP25                            | Feature | New    | High     | Add "datascope" to usrp_p25_rx.py   |                 | 04/22/2017 04:16 PM |                                   |
| 3320 | OsmoGSMTester                   | Bug     | New    | Normal   | add a README about the python dependencies  | pespin          | 06/06/2018 08:38 AM |                                   |
| 2913 | OsmocomBB                       | Feature | New    | Low      | Add a tool that decodes Cell Broadcasts (SMSCB)   |                 | 09/29/2018 09:31 AM | Related to #3564                  |
| 3477 | Cellular Network Infrastructure | Feature | New    | Normal   | add a wiki page explaining interconnection between components across several machines   | daniel          | 10/17/2018 07:56 AM |                                   |
| 2615 | OsmoGSMTester                   | Bug     | New    | Normal   | Add API to check GPS lock in BTS  | osmo-gsm-tester | 11/03/2017 05:00 PM |                                   |
| 1946 | OsmoBSC                         | Feature | New    | Normal   | Add checks to the BSC VTY to prevent configurations known to not work                   | sysmocom        | 08/17/2017 06:51 AM | Related to #1614                  |
| 3019 | OsmoHLR                         | Feature | New    | Low      | add config for number of auth tuples returned   |                 | 06/23/2018 06:58 PM |                                   |
| 3490 | OsmoMGW                         | Feature | New    | Normal   | Add config option to allow arbitrary domain names in endpoints                          |                 | 08/20/2018 10:08 PM | Related to #3490                  |
| 1624 | OsmoPCU                         | Bug     | New    | Normal   | add CRBB support to write_packet_ack_nack_desc_egprs                                    | sysmocom        | 07/04/2018 12:49 PM |                                   |
| 2463 | OsmoGSMTester                   | Bug     | New    | Normal   | Add doc on dependencies needed for the jenkins slave running osmo-gsm-tester-gerrit job | pespin          | 04/10/2018 02:08 PM | Related to #2463,Related to #2463 |
| 2547 | OsmoMGW                         | Feature | New    | High     | Add E1/T1 endpoint type to osmo-mgw   | laforge         | 05/30/2018 02:56 PM | Related to #2547                  |
| 1625 | OsmoPCU                         | Feature | New    | Low      | add loopback ping command to osmopcu  |                 | 10/29/2017 06:43 PM |                                   |
| 2698 | OsmoMSC                         | Bug     | New    | High     | Add more tests to jenkins job testing osmo-msc against NG40tester                       | daniel          | 08/02/2018 09:38 AM | Related to #2477                  |
| 3038 | multi-voltage USB UART          | Feature | New    | Normal   | Add mounting holes?   |                 | 03/07/2018 02:12 AM |                                   |

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| 2391 | OsmoMSC                         | Feature | New    | Low      | add osmocom specific TLVs to A-interface for BTS/TS and subscriber details                       |                 | 10/02/2018 03:40 PM |                                   |
| 3711 | SIMtrace 2                      | Feature | New    | Normal   | Add screw holes for permanent installations  |                 | 11/27/2018 02:04 AM |                                   |
| 2451 | Cellular Network Infrastructure | Feature | New    | Low      | Add static builds to jenkins jobs  | osmith          | 09/30/2018 08:18 AM |                                   |
| 2548 | OsmoBSC                         | Feature | New    | High     | Add support for E1/T1 based BTSs to OsmoBSC  | laforge         | 05/30/2018 02:56 PM | Related to #2547                  |
| 2166 | OP25                            | Feature | New    | High     | Add support for Max's I/Q 455khz downconverter   |                 | 04/22/2017 04:15 PM |                                   |
| 2707 | OsmoGSMTester                   | Feature | New    | Normal   | Add support for verifying content of log files after test is run                                 | osmo-gsm-tester | 12/04/2017 05:05 PM |                                   |
| 2271 | OsmoGSMTester                   | Feature | New    | Low      | add test names to pick to the -s cmdline option  | osmo-gsm-tester | 05/18/2017 12:32 PM |                                   |
| 2946 | OsmoGGSN (former OpenGGSN)      | Feature | New    | Normal   | Add test suite for sgsnemu   | pespin          | 05/30/2018 02:18 PM |                                   |
| 2399 | OsmoGSMTester                   | Feature | New    | Normal   | add tests for graceful restart of individual components  | osmo-gsm-tester | 07/25/2017 12:02 AM |                                   |
| 1740 | OsmoGGSN (former OpenGGSN)      | Bug     | New    | Normal   | add unit tests for queue_seqdel() and callers  |                 | 06/01/2016 11:50 AM |                                   |
| 1463 | SIMtrace 2                      | Feature | New    | Low      | Add VCC current sensing circuit for SPA & DPA attacks  | laforge         | 08/27/2018 07:05 AM | Related to #1706                  |
| 1908 | osmo-qcdiag                     | Feature | New    | Normal   | add VTY interface to osmo-qcdiag   | laforge         | 01/12/2017 01:15 PM |                                   |
| 1983 | rtl-sdr                         | Support | New    | Normal   | Add welle.io and rtl_fm_streamer to rtl-sdr app list   |                 | 06/03/2018 12:24 PM |                                   |
| 1458 | OsmocomBB                       | Bug     | New    | High     | AGC broken (strong cell cannot be synced)  |                 | 02/21/2016 04:48 PM | Related to #3582                  |
| 1857 | OsmoBSC                         | Feature | New    | Normal   | aggregate and report OML ALERT messages received from BTSs                                       |                 | 12/10/2017 08:16 PM | Related to #1615,Related to #1605 |
| 3644 | OsmoHLR                         | Feature | New    | Normal   | allow arbitrary bytes in Global Title (GT), a.k.a. the VLR,SGSN's identification towards the HLR |                 | 10/11/2018 11:54 AM | Related to #3644,Related to #3644 |
| 2408 | OsmoPCU                         | Feature | New    | Low      | allow disabling of "preemptive blind retransmissions"  | sysmocom        | 03/03/2018 09:45 PM |                                   |
| 3470 | OsmoMSC                         | Feature | New    | Low      | Allow sending "Emergency Number List IE" in LU ACCEPT  |                 | 09/01/2018 08:18 PM | Related to #3470                  |
| 2612 | OsmoGSMTester                   | Feature | New    | Low      | Allow skipping pcaps by configuration if access to tcpdump is not wanted                         | osmo-gsm-tester | 11/02/2017 02:55 PM |                                   |
| 2324 | OsmoSTP                         | Feature | New    | Normal   | allow to bind to a configured IP address   |                 | 08/20/2018 03:43 PM |                                   |
| 2798 | linmodem                        | Feature | New    | Normal   | ALSA Soundcard Support   |                 | 01/01/2018 12:02 PM |                                   |
| 3684 | OsmoMSC                         | Bug     | New    | Low      | Always true/false conditions (reported by clang-4.0 with -Wall)                                  |                 | 11/25/2018 07:45 PM |                                   |
| 1618 | OsmoBTS                         | Bug     | New    | Normal   | AMR adaption loop doesn't use C/I thresholds, only BER   |                 | 02/23/2016 04:27 PM |                                   |
| 3459 | gr-gsm                          | Bug     | New    | High     | apps/grgsm_trx: AssertionError: packe t_info.packet_count == (seq_to_ack & 0xffff)               | ptrkrysik       | 08/10/2018 07:58 AM |                                   |
| 2916 | OsmoMSC                         | Bug     | New    | Normal   | asan failure on debian unstable in msc_vlr_test_gsm_ciph   |                 | 02/09/2018 04:20 PM |                                   |
| 2690 | OsmocomBB                       | Bug     | New    | Normal   | ASAN issue on shutdown/no shutdown SYSINFO access  |                 | 11/29/2017 09:33 AM |                                   |

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| 1530 | OsmoPCU                               | Feature | New    | Low      | Assign same TFI number in downlink/uplink  |            | 03/01/2018 11:16 PM |   |
| 3787 | OsmoBSC                               | Bug     | New    | Low      | Assignment Request modifies conn->codec_list before the Assignment is successful                   |            | 02/07/2019 05:50 PM |   |
| 3786 | OsmoBSC                               | Bug     | New    | Normal   | Assignment Request modifies conn->lcls state before the Assignment is successful                   |            | 02/07/2019 05:49 PM |   |
| 3343 | OsmoTRX                               | Feature | New    | Low      | auto-detect list of "antennas"   | pespin     | 07/03/2018 03:22 PM |   |
| 1837 | OsmoBTS                               | Feature | New    | Low      | autogenerate dtx_dl_amr_fsm.*  |            | 03/01/2018 11:17 PM |   |
| 2599 | Cellular Network Infrastructure       | Feature | New    | Low      | automatically determine unit test coverage   |            | 09/30/2018 08:20 AM | Is duplicate of #1987                   |
| 3723 | SIMtrace 2                            | Bug     | New    | Low      | better error message when starting second remsim   | tsaitgaist | 12/09/2018 04:16 PM |   |
| 2681 | Osmocom.org Servers                   | Bug     | New    | Normal   | bogus user accounts + spam   |            | 11/23/2017 06:59 PM |   |
| 3831 | OsmoBSC                               | Feature | New    | Low      | BSC support for "network sharing"  |            | 03/08/2019 10:27 PM |   |
| 3537 | OsmoBSC                               | Feature | New    | Low      | BSC support for CBSP (cell broadcast service protocol)   |            | 09/09/2018 04:33 PM | Related to #3537, is duplicate of #2392 |
| 1600 | OsmoBSC                               | Feature | New    | Low      | BSC: Make SI / rest octests more configurable  |            | 12/10/2017 08:04 PM |   |
| 3536 | OsmoBSC                               | Feature | New    | Normal   | BSC: support for repeated scheduling of SMS CB messages  |            | 09/09/2018 04:33 PM | Related to #3537                        |
| 3512 | gr-osmosdr                            | Support | New    | Normal   | Bug #3462 on Arch Linux; gr-osmosdr install fails  | horiz0n    | 01/26/2019 06:10 PM |   |
| 3776 | OP25                                  | Bug     | New    | Normal   | Build fail using gcc version 7.3.0 Ubuntu 18.04.1 LTS  |            | 02/01/2019 09:12 PM |   |
| 2812 | Retro-BBS / BBS-Revival               | Feature | New    | Normal   | Build mixed ISDN / analog telephone network  |            | 01/01/2018 01:28 PM |   |
| 3167 | Cellular Network Infrastructure       | Bug     | New    | Normal   | Build osmo-* master docker containers with address sanitizer                                       | osmith     | 09/30/2018 08:26 AM | Related to #3167                        |
| 2809 | Z-Netz                                | Bug     | New    | Normal   | Build ZConnect <-> UseNet gateway  |            | 01/01/2018 01:33 PM |   |
| 3229 | Cellular Network Infrastructure       | Feature | New    | Low      | build-system: jenkins.sh: Improve debian package generation test coverage during gerrit submission |            | 09/30/2018 08:26 AM | Related to #3228                        |
| 3398 | GSM Audio Pocket Knife                | Bug     | New    | Normal   | build: configure fails if (optional) libalsa wasn't found  | fixeria    | 07/16/2018 08:45 PM |   |
| 1916 | OsmocomBB                             | Bug     | New    | Normal   | building GNU ARM toolchain with gcc-4.8 fails on modern texinfo                                    |            | 10/16/2017 02:14 PM |   |
| 2884 | OsmoMSC                               | Bug     | New    | Low      | Call Control timers are very long and not configurable   | sysmocom   | 01/27/2018 08:50 AM |   |
| 25   | OsmoMSC                               | Feature | New    | Low      | Call HOLD / RETRIEVE support for internal MNCC   |            | 06/23/2018 07:38 PM |   |
| 3663 | gr-osmosdr                            | Bug     | New    | Normal   | Can't compile gr-osmosdr on macOS Mojave   |            | 10/19/2018 02:37 PM |   |
| 3855 | gr-osmosdr                            | Bug     | New    | Normal   | Cannot build gr-osmosdr with Gnuradio 3.8  | horiz0n    | 03/22/2019 08:56 PM |   |
| 3734 | gr-osmosdr                            | Bug     | New    | High     | Cannot compile gr-osmocom  |            | 12/16/2018 12:22 AM |   |
| 1813 | Qualcomm Linux Modems by Quectel & Co | Bug     | New    | Normal   | cat /dev/snd/* causes kernel oops  |            | 09/30/2016 04:00 PM |   |

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| 1550 | OsmoPCU                               | Bug     | New    | Normal   | Cell reselection under network control   |                 | 02/23/2016 03:06 PM |                                    |
| 2933 | OsmoMSC                               | Bug     | New    | Low      | change of trans->bearer_cap (e.g. via MNCC) will not trigger BSSMAP ASSIGNMENT                     | sysmocom        | 02/12/2018 11:36 AM | Related to #2854                   |
| 2899 | OsmoBSC                               | Bug     | New    | Low      | channel attributes are sent to BTS even for NONE channels  | osmith          | 09/30/2018 10:42 AM |                                    |
| 3443 | OsmoMGW                               | Bug     | New    | Normal   | Check audio-payload options in osmo-mgw VTY  |                 | 08/02/2018 03:59 PM |                                    |
| 1659 | OsmoBSC                               | Feature | New    | Low      | Check encoding of SI at time parameters are entered from VTY, not just at generation time          |                 | 12/10/2017 08:06 PM |                                    |
| 1814 | Qualcomm Linux Modems by Quectel & Co | Feature | New    | Low      | check if qtools work   |                 | 10/02/2016 04:08 AM |                                    |
| 1911 | SIMtrace 2                            | Feature | New    | Normal   | check if we can have an enclosed version of simtrace v2  | tsaitgaist      | 09/13/2018 12:40 PM |                                    |
| 1863 | Cellular Network Infrastructure       | Feature | New    | Low      | check max_power_red vty command  | osmith          | 09/30/2018 11:47 AM |                                    |
| 2504 | OsmoGSMTester                         | Support | New    | Normal   | check whether running osmo-* from docker images is feasible on osmo-gsm-tester                     | osmo-gsm-tester | 09/08/2017 12:44 PM |                                    |
| 1572 | OsmoBTS                               | Feature | New    | Low      | Circuit Switched Data Support  |                 | 02/23/2016 03:34 PM |                                    |
| 2462 | OsmoBSC                               | Feature | New    | Low      | clarify lchan->encr.alg_id   |                 | 08/24/2017 01:27 PM | Related to #2462                   |
| 3738 | OsmoMSC                               | Feature | New    | Normal   | Clarify PS-part of struct vlr_subscr   |                 | 12/19/2018 12:34 PM |                                    |
| 3112 | OsmoBSC                               | Bug     | New    | Low      | Clean up / fix osmo_bsc_filter.c   | dexter          | 05/30/2018 02:13 PM |                                    |
| 2011 | Cellular Network Infrastructure       | Feature | New    | Low      | clean-up / merge IPA (and IPA CCM) code of libosmocore, libosmo-abis, libosmo-netif, openbsc, etc. |                 | 04/15/2017 12:54 PM |                                    |
| 3622 | libosmo-abis                          | Bug     | New    | Normal   | Clear API mess in sign_link_up callback  | pespin          | 10/02/2018 07:34 PM |                                    |
| 1692 | OsmoBTS                               | Feature | New    | Low      | clock source monitoring  |                 | 04/13/2016 09:49 AM |                                    |
| 1546 | OsmoPCU                               | Feature | New    | Normal   | closed loop uplink power control   |                 | 12/13/2018 08:13 AM |                                    |
| 2810 | Retro-BBS / BBS-Revival               | Feature | New    | Normal   | collect analog modems  |                 | 01/01/2018 01:20 PM |                                    |
| 2811 | Retro-BBS / BBS-Revival               | Bug     | New    | Normal   | collect ISDN cards / adapters  |                 | 01/01/2018 01:21 PM |                                    |
| 3237 | E1/T1 Hardware Interface              | Feature | New    | Normal   | Come up with GPS-DO design for E1 Interface  | vogelchr        | 06/01/2018 09:50 PM | Related to #3237, Related to #3272 |
| 1510 | UmTRX                                 | Feature | New    | High     | Complete UHD integration   | ipse            | 02/21/2016 04:47 PM |                                    |
| 1623 | OsmoSMSC                              | Feature | New    | Normal   | Configure delivery report for the SMPP delivery links  | zecke           | 02/24/2016 01:49 PM |                                    |
| 3230 | OsmoGGSN (former OpenGGSN)            | Bug     | New    | Normal   | configure: linux/if.h: present but cannot be compiled  |                 | 08/19/2018 06:06 PM |                                    |
| 3541 | Cellular Network Infrastructure       | Bug     | New    | Normal   | Conflicting Debian packages: python3-osmopy-utils and osmocom-nitb                                 | osmith          | 09/30/2018 11:53 AM | Related to #3541                   |
| 3822 | OsmoMGW                               | Bug     | New    | Low      | conn mode "sendonly" behaves identically to "sendrecv"   |                 | 03/04/2019 09:34 PM |                                    |

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| 1576 | OsmoBTS                         | Feature | New    | Low      | consider using hLayer2 as a pointer storage   | Osmocom Developers | 02/02/2017 04:11 PM | Related to #1755                  |
| 1903 | OsmoPCU                         | Feature | New    | Low      | convert c++ -> c  |                    | 07/10/2017 10:35 PM |                                   |
| 3521 | libosmocore                     | Feature | New    | Normal   | core/utls: engineering notation helpers   | fixeria            | 09/04/2018 08:32 PM |                                   |
| 2824 | gr-osmosdr                      | Bug     | New    | High     | Corrupted double-linked for Raspbian Stretch when running osmocom_fft (and any other program using osmosdr.source                 |                    | 06/03/2018 12:08 PM |                                   |
| 3841 | OsmoBSC                         | Bug     | New    | Low      | cosmetic: tearing down the old lchan after inter-BSC handover always goes through RELEASE_AFTER_ERROR (instead of normal release) |                    | 03/15/2019 01:36 AM |                                   |
| 3567 | Cellular Network Infrastructure | Bug     | New    | Normal   | coverity: move the secret token out of \$HOME/osmo-ci/.../  | lynxis             | 09/18/2018 08:19 PM |                                   |
| 2814 | Z-Netz                          | Feature | New    | Normal   | Create + Document classic CrossPoint setup on DOS (dosemu)  |                    | 01/01/2018 01:41 PM |                                   |
| 2813 | Z-Netz                          | Feature | New    | Normal   | Create + Document OpenXP setup on Linux   |                    | 01/01/2018 01:41 PM |                                   |
| 2808 | Z-Netz                          | Bug     | New    | Normal   | Create + Document VM/emulation setup for running ZERBERUS   |                    | 01/01/2018 01:09 PM |                                   |
| 3658 | Cellular Modem Information      | Feature | New    | Normal   | Create a "osmocom-bb-host-latest" docker container  |                    | 10/16/2018 02:11 PM | Related to #3658                  |
| 2158 | OP25                            | Feature | New    | High     | Create a shared library for decoding for WireShark and the decoder.   |                    | 04/22/2017 04:16 PM |                                   |
| 2697 | osmo-qcdiag                     | Feature | New    | Normal   | Create and add debian packages for osmo-qcdiag to osmocom debian repositories   |                    | 11/30/2017 06:03 PM |                                   |
| 3202 | osmo-fl2k                       | Feature | New    | Low      | create debian packaging for osmo-fl2k (and make it part of nightly builds?)   | osmith             | 09/30/2018 08:40 AM |                                   |
| 2806 | UUCP and UseNet                 | Feature | New    | Low      | Create Dockerfile and/or ansible playbook for UseNet node   |                    | 01/01/2018 01:04 PM |                                   |
| 2805 | FidoNet                         | Bug     | New    | Low      | Create reproducible / semi-automatic way to create FidoNet node on Linux  | laforge            | 01/01/2018 12:30 PM |                                   |
| 2406 | OsmoPCU                         | Bug     | New    | Low      | CS-PAGING not implemented   | msuraev            | 10/17/2018 10:24 AM |                                   |
| 2688 | libosmocore                     | Bug     | New    | Normal   | CTRL iface: make rate_ctr request parser more strict  |                    | 11/29/2017 01:40 PM |                                   |
| 2012 | OsmoBSC                         | Bug     | New    | High     | CTRL interface encapsulation over IPA link is missing when using libosmo-sigtran  | neels              | 09/16/2018 10:36 AM | Related to #1843,Related to #2012 |
| 3672 | Osmocom Analog                  | Feature | New    | Normal   | Custom announcement and tones   |                    | 10/25/2018 05:10 PM |                                   |
| 2804 | linmodem                        | Feature | New    | Low      | DAHDI interface   |                    | 01/01/2018 12:27 PM |                                   |
| 2595 | OsmoNITB                        | Bug     | New    | Low      | db: find the best way to allocate unused random extension and avoid infinite loop   |                    | 03/05/2018 07:35 PM |                                   |
| 2640 | Cellular Network Infrastructure | Bug     | New    | Normal   | Debian nightly packages should conflict with debian latest packages   | osmith             | 09/30/2018 08:23 AM |                                   |
| 3285 | OsmoPCU                         | Feature | New    | Normal   | design + implement tools to analyze inter-PCU cell changes  | laforge            | 08/01/2018 11:04 AM | Related to #3284                  |
| 43   | OsmoSGSN                        | Bug     | New    | Normal   | Destroying LLC-LLE after a GPRS Routing Area Update Reject  | dexter             | 01/12/2017 02:27 PM |                                   |
| 3636 | OsmoMSC                         | Feature | New    | Normal   | detailed call statistics (with rate counters)   | osmith             | 10/08/2018 11:14 AM | Related to #3636                  |

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| 3454 | OsmoBSC                         | Feature | New    | Low      | disable/constrain/hide "multiple msc" concept   | sysmocom | 08/08/2018 02:22 PM |   |
| 3278 | OsmoNITB                        | Bug     | New    | Normal   | Disconnected ESME socket leaves esme entry in smsc->esme_list                                 |          | 05/18/2018 12:04 AM |   |
| 2578 | Osmocom.org Servers             | Feature | New    | Low      | DNSSEC setup for osmocom.org  | laforge  | 10/17/2017 11:59 AM | Related to #2578  |
| 3071 | Osmocom.org Servers             | Bug     | New    | Normal   | docker-in-lxc setup results in high lxcfs CPU load  | laforge  | 03/17/2018 12:24 PM |   |
| 3455 | Cellular Network Infrastructure | Feature | New    | Low      | docker-playground/debian-jessie-build/Dockerfile: specific packages                           |          | 09/26/2018 10:23 AM |   |
| 3628 | Cellular Network Infrastructure | Feature | New    | Low      | document nanoBTS calibration procedure using ipaccess-config tool                             | laforge  | 01/14/2019 03:36 PM | Related to #3628  |
| 2722 | OsmoBSC                         | Feature | New    | High     | document RACH tuning parameters more thoroughly, give explanations                            | daniel   | 08/02/2018 09:46 AM | Related to #2591,Related to #1611,Related to #2592,Related to #2722 |
| 2909 | Cellular Network Infrastructure | Feature | New    | Normal   | Document user plane handling with BSC+MSC co-located OsmoMGW, Osmux, and outlook              | daniel   | 03/18/2018 12:02 AM | Related to #1937,Related to #2629,Related to #2710,Related to #2551 |
| 1547 | OsmoPCU                         | Feature | New    | Normal   | downlink power control on PDTCH   |          | 02/23/2016 03:04 PM |   |
| 2433 | OsmoNITB                        | Bug     | New    | Low      | Drop MGCP_DUMMY_LOAD frames and use proper Osmux Dummy frames                                 | pespin   | 08/21/2017 02:23 PM |   |
| 1549 | OsmoPCU                         | Feature | New    | Normal   | DRX support for GPRS  |          | 02/04/2017 08:11 AM |   |
| 1852 | OsmoBTS                         | Feature | New    | Normal   | DTX support for osmo-bts-trx  |          | 02/08/2017 04:09 PM |   |
| 3801 | OsmocomBB                       | Support | New    | Normal   | dump flash of Sony Ericsson SJ100i  | roh      | 03/06/2019 04:43 AM | Related to #3801  |
| 1604 | OsmoNITB                        | Bug     | New    | Normal   | Easier / more direct SIP integration  | zecke    | 06/26/2018 08:35 AM |   |
| 1560 | OsmoPCU                         | Feature | New    | High     | EDGE benchmarking / performance optimization / tuning   |          | 10/03/2018 10:54 AM |   |
| 1559 | OsmoPCU                         | Feature | New    | Low      | EGPRS/GPRS multiplexing on single PDCH  |          | 02/23/2016 03:16 PM |   |
| 3669 | OsmocomBB                       | Bug     | New    | Normal   | empty IMSI in vty   |          | 10/24/2018 04:15 PM |   |
| 2579 | Osmocom.org Servers             | Feature | New    | Low      | Enable DANE for osmocom.org   | laforge  | 10/17/2017 12:00 PM | Related to #2578  |
| 1716 | libosmocore                     | Feature | New    | Normal   | enhance unit test coverage  |          | 08/17/2016 03:57 PM | Related to #1987,Precedes #1717                                     |
| 1573 | OsmoBTS                         | Feature | New    | Low      | ENHANCED MEASUREMENT REPORT   |          | 02/23/2016 03:36 PM |   |
| 3751 | OsmoBTS                         | Support | New    | Normal   | Ensure BTS Tests.ttcn results of OC-2G resemble what we know/expect from osmo-bts-{sysmo,trx} | pespin   | 01/08/2019 08:00 PM |   |
| 2577 | OsmoSGSN                        | Bug     | New    | Normal   | Ensure meaningful default loglevels.  |          | 10/17/2017 09:52 AM |   |
| 3580 | libosmocore                     | Feature | New    | Normal   | ensure that rate_ctr_init() is called from main application                                   |          | 09/20/2018 04:19 PM | Related to #3580  |
| 3588 | rtl-sdr                         | Bug     | New    | Normal   | Error Values Inconsistent   |          | 09/25/2018 12:47 PM |   |

| #    | Project                         | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|---------------------------------|---------|--------|----------|---|----------|---------------------|--|
| 2943 | OsmoMSC                         | Bug     | New    | Normal   | Errors in MGCP do not propagate back to MNCC<br>gsm_subscriber_conn state machine | daniel   | 06/23/2018 07:27 PM |  |
| 3780 | OsmoBTS                         | Bug     | New    | Normal   | existing test suite doesn't catch wrong measurement processing                    | dexter   | 02/13/2019 02:23 PM |  |
| 3797 | rtl-sdr                         | Bug     | New    | Normal   | Exits with "Bus error"  |          | 02/12/2019 02:28 PM |  |
| 3687 | OsmoMSC                         | Feature | New    | Normal   | Expand "show bsc" command   |          | 11/11/2018 09:50 PM |  |
| 3779 | Cellular Network Infrastructure | Feature | New    | Low      | explore providing a VM image with all of osmocom CNI and related tools installed  |          | 02/04/2019 09:52 AM |  |
| 3240 | gr-osmosdr                      | Bug     | New    | Normal   | Expose airspy gain setting in gr-osmosdr block                                    |          | 06/03/2018 12:08 PM |  |
| 1652 | Cellular Network Infrastructure | Bug     | New    | Normal   | Expose statistics / KPIs programmatically   |          | 03/10/2017 09:35 PM | Related to #1652, Related to #1652, Related to #1652, Related to #1766 |
| 2781 | OsmoBSC                         | Feature | New    | Normal   | Extend OsmBSC TTCN-3 test coverage  |          | 09/30/2018 08:49 AM |  |
| 2557 | OsmoBTS                         | Feature | New    | Normal   | extend osmo-bts-virtual + GSMTAP with voice frame (TCH) support                   | laforge  | 02/26/2018 02:17 PM | Related to #2556, Related to #2557                                     |
| 2556 | OsmocomBB                       | Feature | New    | Low      | Extend virt_phy and "mobile" with support for voice frames                        | laforge  | 05/10/2018 09:14 PM | Related to #2556, Related to #2556                                     |
| 1724 | SIMtrace                        | Feature | New    | Low      | extend wireshark dissector for SIM/USIM traces                                    |          | 08/17/2016 03:57 PM |  |
| 3750 | OsmoBTS                         | Feature | New    | Normal   | Extension of BTS_Tests.ttcn test coverage   | sysmocom | 01/14/2019 03:27 PM |  |
| 1590 | Cellular Network Infrastructure | Feature | New    | Normal   | Extension of Control Interface / external SNMP agent                              |          | 12/10/2017 08:03 PM |  |
| 3851 | OpenBSC                         | Bug     | New    | Normal   | External tests error  |          | 03/21/2019 10:19 AM |  |
| 3506 | OsmoBTS                         | Bug     | New    | Normal   | FACCH LAPDm sequence error (state LAPD_STATE_MF_EST)                              |          | 08/28/2018 10:24 AM |  |
| 3653 | OsmocomBB                       | Bug     | New    | Normal   | FACCH/H sometimes not received by BTS with osmocomBB+motorolaCXX                  |          | 10/22/2018 02:37 PM |  |
| 3740 | OsmoGSMTester                   | Bug     | New    | Normal   | Figure out best fix for iperf3m4.py where some MS fails to register               | pespin   | 12/20/2018 05:50 PM |  |
| 1528 | OsmoPCU                         | Bug     | New    | Low      | Find a real fix for EGPRS_AckNack_w_len_t decoding                                | sysmocom | 03/03/2018 09:45 PM |  |
| 2169 | OP25                            | Bug     | New    | High     | First-cut of trunking support   |          | 04/22/2017 04:15 PM |  |
| 2157 | OP25                            | Feature | New    | High     | Fix "traffic" tab so it displays data for non-HDU data units                      |          | 04/22/2017 04:16 PM |  |
| 3049 | OsmoMSC                         | Bug     | New    | Normal   | fix & revisit silent call feature after the split from osmo-nitb                  |          | 03/09/2018 01:57 PM |  |
| 2162 | OP25                            | Bug     | New    | High     | Fix bit-ordering in output for VC55.  |          | 04/22/2017 04:15 PM |  |
| 3803 | OsmoBTS                         | Bug     | New    | Normal   | fix frame number calculation in scheduler_trx                                     | dexter   | 02/15/2019 07:40 PM | Related to #3803   |
| 3442 | OsmoMGW                         | Bug     | New    | Normal   | fix int mgcp_codec_decide() in mgcp_codec.c                                       | dexter   | 08/02/2018 04:02 PM |  |
| 3694 | Cellular Network Infrastructure | Bug     | New    | Normal   | Fix lintian warnings in .deb packages   |          | 11/14/2018 02:27 PM | Related to #3699   |

| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee           | Updated             | Related issues  |
|------|---------------------------------|---------|--------|----------|--|--------------------|---------------------|---|
| 1925 | OsmoPCU                         | Bug     | New    | High     | Fix padding for MCS8 transition                                  | sysmocom           | 10/02/2018 03:46 PM |   |
| 3833 | OsmoBSC                         | Bug     | New    | Normal   | Fix storage location of AMR S15-S0 bits                          | dexter             | 03/11/2019 05:44 PM |   |
| 1829 | OsmoNITB                        | Bug     | New    | Normal   | Fix warnings introduced by ctrl constify                         |                    | 03/05/2018 07:34 PM |   |
| 3142 | Cellular Network Infrastructure | Feature | New    | Low      | Further simplification of "NITB like" setups                     | Osmocom Developers | 04/05/2018 08:09 PM |   |
| 1941 | OsmoSGSN                        | Bug     | New    | Normal   | Gb: implement MM state ready, idle, standby including T3314      | sysmocom           | 08/17/2017 06:55 AM |   |
| 1942 | OsmoSGSN                        | Bug     | New    | Normal   | Gb: implement paging in case of MM state == STANDBY && rx DL PDU | sysmocom           | 08/17/2017 06:55 AM |   |
| 67   | OsmoSGSN                        | Bug     | New    | Low      | gb_proxy keeps stale PTP-BVCI <-> NSVCI mappings                 | laforge            | 12/10/2017 08:09 PM |   |
| 1987 | libosmocore                     | Feature | New    | Normal   | gcov code coverage test support                                  |                    | 03/17/2017 01:05 PM | Related to #1987,Is duplicate of #1987                              |
| 3227 | Cellular Network Infrastructure | Feature | New    | Low      | general idea: separate GSUP spec document                        | roh                | 08/08/2018 11:16 AM |   |
| 2551 | OsmoMGW                         | Feature | New    | Normal   | generalization of OSMUX support in osmo-mgw                      | sysmocom           | 06/01/2018 01:53 PM | Related to #2551,Related to #2551,Related to #2551,Related to #2551 |
| 1851 | OsmoBTS                         | Feature | New    | Normal   | generalize power control and TA loop code                        | tnt                | 10/20/2018 07:37 PM | Related to #1851,Related to #1851,Related to #1851                  |
| 1558 | OsmoPCU                         | Feature | New    | Low      | Generate BSSGP LLC Discarded messages on TBF/MS free             | sysmocom           | 03/03/2018 09:45 PM |   |
| 3386 | Cellular Network Infrastructure | Feature | New    | Normal   | Generate man pages at build time from adoc files                 | osmith             | 11/15/2018 09:42 AM | Precedes #3386  |
| 3695 | Cellular Network Infrastructure | Feature | New    | Normal   | generate VTY reference manuals from 'make' directly              | osmith             | 12/03/2018 01:20 PM | Precedes #3695  |
| 1596 | Cellular Network Infrastructure | Feature | New    | Low      | Generation of accounting/billing data                            |                    | 12/10/2017 08:03 PM |   |
| 3291 | Osmocom.org Servers             | Feature | New    | Low      | gerrit - redmine integration                                     |                    | 05/25/2018 04:34 PM |   |
| 3354 | Osmocom.org Servers             | Bug     | New    | Normal   | Gerrit: wrong redirect URL after signing in                      |                    | 06/18/2018 09:20 PM |   |
| 1904 | OsmoNITB                        | Bug     | New    | Normal   | get rid of deprecated functions                                  |                    | 03/05/2018 07:33 PM |   |
| 1896 | OsmoGGSN (former OpenGGSN)      | Bug     | New    | Normal   | ggsn unable to set tun interface on FreeBSD v11                  |                    | 12/23/2016 03:36 AM |   |
| 3604 | OsmoSTP                         | Feature | New    | High     | Global Title Routing   |                    | 10/03/2018 08:58 AM |   |
| 3605 | OsmoSTP                         | Feature | New    | High     | Global Title Translation   |                    | 10/03/2018 08:58 AM |   |
| 2956 | OsmoSGSN                        | Bug     | New    | Low      | GMM DETACH REQUEST (power-off) results in LLC XID                |                    | 02/17/2018 02:06 PM |   |
| 1585 | OsmoSGSN                        | Feature | New    | Low      | Gn interface for inter-SGSN MM Context transfer                  |                    | 06/23/2018 07:40 PM |   |



| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                                     |
|------|---------------------------------|---------|--------|----------|--|----------|---------------------|--|
| 2621 | OsmoGSMTester                   | Bug     | New    | Normal   | Gobi2000: might stopped working because all CID got assigned   | lynxis   | 11/15/2017 11:07 AM |  |
| 1947 | OsmoSGSN                        | Bug     | New    | Normal   | GPRS Attach reject for Apple/Android mobile  | laforge  | 07/10/2017 10:33 PM |  |
| 3284 | OsmoPCU                         | Bug     | New    | Normal   | GPRS cell re-selection appears sticky in packet transfer / packet idle mode  | msuraev  | 10/17/2018 10:29 AM | Related to #2400,Related to #3284                  |
| 3472 | OsmoPCU                         | Bug     | New    | Low      | GPRS connection is in a state where pdp-context is active, but data TX cannot initiate from Network side.                                  | keith    | 10/02/2018 03:42 PM | Related to #3472                                   |
| 3466 | OsmoSGSN                        | Bug     | New    | Low      | gprs_gb_parse_dtap does not handle "DEACT PDP ACK"   | sysmocom | 02/23/2019 02:45 PM |  |
| 3177 | OsmoSGSN                        | Bug     | New    | Low      | gprs_gb_parse_dtap doesn't handle AUTH & CIPHER REQUEST messages   | pespin   | 06/23/2018 07:41 PM | Related to #1959                                   |
| 3426 | OsmoSGSN                        | Bug     | New    | Normal   | gprs_llc_process_xid_ind() does not echo L3_PAR, breaks PDP activation for Motorola KRZR   |          | 09/12/2018 08:53 AM |  |
| 3462 | gr-osmosdr                      | Bug     | New    | Normal   | gr-osmosdr installation bladerf conversion errors  |          | 08/10/2018 05:51 PM |  |
| 1583 | OsmoSGSN                        | Feature | New    | Normal   | Gs interface (BSSMAP+) between SGSN and MSC/VLR  |          | 02/23/2016 03:44 PM | Related to #1583,Related to #1583                  |
| 1599 | OsmoMSC                         | Feature | New    | Normal   | Gs interface (BSSMAP+) between SGSN and MSC/VLR  |          | 10/29/2017 09:07 PM | Related to #1583,Related to #1747,Related to #1599 |
| 2705 | OsmocomBB                       | Bug     | New    | Normal   | GSM48_MMR_NREG_REQ followed by GSM48_MMR_REG_REQ don't attach to the network   |          | 12/03/2017 09:50 PM |  |
| 2906 | OsmoBTS                         | Bug     | New    | Normal   | gsm_pchan2chan_nr asserts GSM_PCHAN_CCCH: lchan_nr == 0  | pespin   | 04/04/2018 08:43 AM |  |
| 2883 | OsmoMSC                         | Bug     | New    | Normal   | GSUP encoding of MSISDN is wrong   | sysmocom | 08/08/2018 11:03 AM |  |
| 3619 | OsmoMSC                         | Feature | New    | Normal   | GSUP protocol extension for inter-MSC HO   |          | 10/03/2018 10:58 AM |  |
| 2604 | Cellular Network Infrastructure | Feature | New    | Low      | GSUP-to-DIAMETER converter / IWF   |          | 10/29/2017 11:01 PM |  |
| 1667 | OsmoNITB                        | Feature | New    | Normal   | Handle callref better  |          | 05/17/2018 11:47 AM | Related to #3294                                   |
| 2795 | OsmoMSC                         | Feature | New    | Normal   | Handle UTRAN_CLSM_CHG in MSC   | neels    | 04/30/2018 12:06 PM | Related to #3043                                   |
| 3638 | OsmoBSC                         | Feature | New    | Low      | handover decision 2: load balancing across BSS   |          | 10/16/2018 01:16 PM | Related to #3638,Related to #3638,Related to #3638 |
| 3486 | OsmoBSC                         | Feature | New    | Low      | handover decision: congestion: figure out the tradeoff: re-assign within same cell vs. handover to another cell                            |          | 10/16/2018 01:16 PM | Related to #3486,Related to #3638                  |
| 3482 | OsmoBSC                         | Feature | New    | Low      | handover decision: if a new call causes congestion that would trigger immediate re-assignment, assigning the other TCH kind from the start |          | 10/16/2018 01:15 PM | Related to #3482                                   |
| 3483 | OsmoBSC                         | Feature | New    | Normal   | handover decision: if rxlev is ok but rxqual is bad, move from TCH/H to TCH/F  | neels    | 10/16/2018 01:53 PM | Related to #3483                                   |

| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee   | Updated             | Related issues                                  |
|------|---------------------------------|---------|--------|----------|--|------------|---------------------|---|
| 3484 | OsmoBSC                         | Feature | New    | Low      | handover decision: if rxlev is ok but rxqual is bad, move to different timeslot with same TCH kind to avoid interference |            | 10/16/2018 01:30 PM |   |
| 3480 | OsmoBSC                         | Feature | New    | Normal   | handover from TCH/F to TCH/H to reduce load  |            | 10/16/2018 01:15 PM | Related to #3480,Related to #3481               |
| 3481 | OsmoBSC                         | Feature | New    | Normal   | handover from TCH/H to TCH/F to reduce load  |            | 10/16/2018 01:15 PM | Related to #3481,Related to #3481               |
| 3485 | OsmoBSC                         | Feature | New    | Low      | handover to make room for a less capable subscriber  |            | 10/16/2018 01:16 PM | Related to #3485                                |
| 3277 | OsmoBSC                         | Feature | New    | Low      | handover: for intra-cell HO, use RR Assignment Command, not RR Handover Command  | neels      | 11/19/2018 04:27 PM | Is duplicate of #3277                           |
| 2584 | Cellular Network Infrastructure | Feature | New    | Low      | Have "osmo-network-check" to verify "Network In The Box" setup   | neels      | 10/05/2018 04:20 PM | Related to #2618                                |
| 3123 | Osmocom.org Servers             | Feature | New    | Low      | have dns zone in git.osmocom.org   | laforge    | 03/28/2018 05:11 PM | Related to #3123                                |
| 3203 | osmo-fl2k                       | Feature | New    | Low      | have jenkins build verification job  | osmith     | 09/30/2018 08:40 AM |   |
| 2356 | OsmoBTS                         | Feature | New    | Low      | have per-SAPI logging in OsmoBTS DL1P / DL1C   | osmith     | 11/22/2018 11:03 AM | Related to #2355                                |
| 2172 | OP25                            | Bug     | New    | High     | H DU often missing in captures   |            | 04/22/2017 04:14 PM |   |
| 3322 | Osmocom.org Servers             | Feature | New    | Normal   | Header image needed for our OpenCollective site  | tsaitgaist | 06/06/2018 08:30 PM |   |
| 1515 | UmTRX                           | Feature | New    | Normal   | Heat dissipation and mounting issue  | Andrey     | 02/19/2016 10:52 PM |   |
| 1872 | libosmocore                     | Feature | New    | Low      | high-performance remote logging  |            | 10/05/2017 06:27 AM |   |
| 2840 | OsmoHLR                         | Feature | New    | Low      | HLR should allow 2g-only or 3g-only subscribers  | neels      | 06/23/2018 06:59 PM |   |
| 2692 | OsmoSGSN                        | Bug     | New    | Low      | HLR string in CDR and VTY is empty   | pespin     | 09/30/2018 11:39 AM |   |
| 3002 | OsmoBSC                         | Bug     | New    | Normal   | HO2: handover decision for dynamic timeslots   | neels      | 10/16/2018 01:15 PM | Related to #1606,Related to #1608,Blocks #3002  |
| 3471 | Osmocom.org Servers             | Bug     | New    | Normal   | host2.osmocom.org not starting all services on reboot.   | laforge    | 08/18/2018 01:50 PM |   |
| 2650 | OsmoMGW                         | Bug     | New    | Normal   | how can osmo-mgw send a dummy RTP packet before CRCX ACK?  | dexter     | 01/22/2018 09:07 PM |   |
| 2918 | OsmoBSC                         | Feature | New    | Normal   | Implement a function to properly test connection clearing in MSC_ConnectionHandler.ttcn (BSC-Tests)                      | dexter     | 05/30/2018 02:17 PM |   |
| 1536 | OsmoPCU                         | Feature | New    | Low      | Implement adaptive CS selection  | sysmocom   | 03/03/2018 09:45 PM | Related to #1536,Related to #1543               |
| 3798 | OsmoMGW                         | Feature | New    | Normal   | Implement bandwidth-efficient AMR payload as per RFC 4867 Section 4.3  |            | 02/12/2019 06:16 PM | Related to #3798                                |
| 2393 | Cellular Network Infrastructure | Feature | New    | Low      | Implement Cell Broadcast Centre  |            | 07/24/2017 03:45 PM | Related to #6,Related to #2392,Related to #2393 |
| 3763 | osmo-sip-connector              | Bug     | New    | Normal   | Implement correct handling for call answered elsewhere   |            | 01/22/2019 01:03 PM |   |

| #    | Project                         | Tracker | Status | Priority | Subject   | Assignee           | Updated             | Related issues  |
|------|---------------------------------|---------|--------|----------|---|--------------------|---------------------|---|
| 2167 | OP25                            | Feature | New    | High     | Implement Encryption/Decryption P25 blocks                                    |                    | 04/22/2017 04:15 PM |   |
| 2156 | OP25                            | Feature | New    | High     | Implement forward error correction for HDU.                                   |                    | 04/22/2017 04:16 PM |   |
| 2168 | OP25                            | Bug     | New    | High     | Implement Forward error correction for LDU1/2                                 |                    | 04/22/2017 04:15 PM |   |
| 2170 | OP25                            | Bug     | New    | High     | Implement forward error-correction code, remove IT++ dependency               |                    | 04/22/2017 04:14 PM |   |
| 3691 | Cellular Network Infrastructure | Feature | New    | Normal   | Implement GCR parsing in wireshark  |                    | 11/13/2018 03:56 PM | Related to #3691  |
| 2008 | libosmo-sccp + libosmo-sigtran  | Feature | New    | Low      | Implement Global Title Translation  |                    | 04/10/2017 12:05 PM |   |
| 2007 | libosmo-sccp + libosmo-sigtran  | Feature | New    | Low      | Implement GT based routing  |                    | 04/10/2017 12:04 PM |   |
| 3714 | Cellular Network Infrastructure | Feature | New    | Normal   | implement Internal Handover With MSC Support                                  |                    | 11/28/2018 08:45 AM | Related to #3714  |
| 3260 | E1/T1 Hardware Interface        | Bug     | New    | Normal   | Implement libosmo-abis input for new E1 interface                             | laforge            | 05/30/2018 03:03 PM |   |
| 2006 | libosmo-sccp + libosmo-sigtran  | Feature | New    | Low      | Implement M2PA support  |                    | 04/10/2017 12:04 PM |   |
| 2003 | libosmo-sccp + libosmo-sigtran  | Feature | New    | Low      | Implement M2UA support  |                    | 04/10/2017 12:01 PM |   |
| 1939 | OsmoPCU                         | Bug     | New    | High     | implement packet idle/transfer mode including T3192                           | sysmocom           | 10/02/2018 03:45 PM |   |
| 1586 | OsmoSGSN                        | Feature | New    | Normal   | Implement QoS profile support   |                    | 02/23/2016 03:45 PM |   |
| 2712 | libosmocore                     | Feature | New    | Normal   | implement reproducible talloc context printout, i.e. without memory addresses | Osmocom Developers | 05/09/2018 10:01 AM |   |
| 2394 | OsmoHNBGW                       | Feature | New    | Low      | Implement SABP (Service Area Broadcast Protocol)                              |                    | 09/29/2018 08:56 AM | Related to #2393,Related to #2392                               |
| 2009 | libosmo-sccp + libosmo-sigtran  | Feature | New    | Low      | Implement SCCP connection coupling ("proxy")                                  |                    | 04/10/2017 12:09 PM |   |
| 1940 | OsmoPCU                         | Bug     | New    | High     | implement T3141 - Timeout after Send Immediate assign for TBF                 | sysmocom           | 10/02/2018 03:45 PM |   |
| 2580 | OsmoMGW                         | Feature | New    | Low      | implement timeout/resend mechanism for mgcp_client                            | dexter             | 12/04/2017 08:34 PM |   |
| 3620 | OsmoMSC                         | Feature | New    | Normal   | Implement TTCN-3 testsuite for Inter-MSC HO                                   |                    | 10/03/2018 10:58 AM |   |
| 1508 | UmTRX                           | Feature | New    | High     | Implement UmSEL diversity switch control                                      | ipse               | 02/21/2016 04:47 PM |   |
| 1507 | UmTRX                           | Feature | New    | High     | Implement UmSEL tuner control   | ipse               | 02/21/2016 04:47 PM |   |
| 1937 | OsmoMGW                         | Feature | New    | Normal   | Implement way how to handle luUP on RTP endpoints                             | laforge            | 10/17/2018 10:14 AM | Related to #1937,Related to #3411,Precedes #2459,Precedes #1937 |
| 2002 | libosmo-sccp + libosmo-sigtran  | Feature | New    | Low      | Implement xUA traffic modes for load-balance and broadcast                    |                    | 04/10/2017 12:00 PM |   |

| #    | Project                         | Tracker | Status | Priority | Subject   | Assignee        | Updated             | Related issues   |
|------|---------------------------------|---------|--------|----------|---|-----------------|---------------------|------------------|
| 2724 | OsmoBSC                         | Feature | New    | Normal   | Improve default timers  | laforge         | 01/04/2018 11:06 AM | Related to #2724 |
| 1997 | OsmoHNBGW                       | Feature | New    | Normal   | Improve error check at compilation time   |                 | 04/10/2017 11:12 AM |                  |
| 1722 | pySim                           | Feature | New    | High     | Improve pySim usability   |                 | 08/17/2016 03:57 PM |                  |
| 1478 | Mobile (in)Security             | Bug     | New    | High     | IMSI DETACH DoS   |                 | 02/21/2016 04:34 PM |                  |
| 2266 | OsmoGSMTester                   | Feature | New    | Normal   | in the gsm tester, use ipa.py from openbsc instead of the current CTRL implementation           | osmo-gsm-tester | 10/16/2017 12:36 PM |                  |
| 2303 | OsmoGSMTester                   | Feature | New    | Normal   | in the jenkins builds for osmo-gsm-tester, disable and/or exclude static libraries              | osmo-gsm-tester | 05/30/2017 12:17 PM |                  |
| 3414 | gr-osmosdr                      | Feature | New    | Normal   | Include Airspy serial number in connection string.  | horiz0n         | 07/24/2018 04:52 AM |                  |
| 1460 | SIMtrace 2                      | Feature | New    | Low      | include some version information / negotiation in the USB protocol                              | tsaitgaist      | 08/09/2018 12:14 PM | Related to #1461 |
| 3744 | OsmoBSC                         | Bug     | New    | Normal   | include/osmocom/bsc/gsm_data.h: OSMO_ASSERT(conn->lchan); failed in conn_get_bts()              |                 | 12/30/2018 10:39 AM |                  |
| 1751 | OsmoBTS                         | Bug     | New    | Low      | incompatibility between LCR and DTX   |                 | 06/14/2016 04:39 PM |                  |
| 2383 | OsmoPCU                         | Bug     | New    | Normal   | incompatibility with some SGSNs during P-TMSI allocation  | laforge         | 07/04/2018 12:50 PM |                  |
| 3652 | OsmocomBB                       | Bug     | New    | Normal   | Incorrect IMEISV setting in mobile application  |                 | 10/12/2018 08:20 PM |                  |
| 3572 | OsmoBTS                         | Bug     | New    | Normal   | Incorrect TDMA frame number calculation on TCH channels   |                 | 09/19/2018 11:48 AM |                  |
| 1532 | OsmoPCU                         | Bug     | New    | Low      | Increased number of poll timeouts on shared PDCHs   | sysmocom        | 03/03/2018 09:45 PM | Related to #1524 |
| 1897 | OsmocomTETRA                    | Bug     | New    | Low      | Inefficient sequence search in tetra_find_train_seq   |                 | 04/10/2017 01:04 AM |                  |
| 1689 | OsmoSMSC                        | Feature | New    | Normal   | insert: Change destination number based on criteria similar to route handling on output         | zecke           | 04/06/2016 12:18 PM |                  |
| 1690 | OsmoSMSC                        | Bug     | New    | Normal   | Insert: Generate message ID (e.g. UUID)   | zecke           | 04/06/2016 12:26 PM |                  |
| 3748 | OsmoBTS                         | Feature | New    | Normal   | Integrate existing code and patches for OC-2G hardware and phy from oc2g-next branch of nrw_noa | daniel          | 02/01/2019 09:10 AM | Related to #3823 |
| 3656 | OsmoBSC                         | Feature | New    | Normal   | inter-BSC handover outgoing: compose Cell Identifier List from several ARFCN+BSIC               |                 | 03/07/2019 03:01 PM | Related to #3656 |
| 1556 | OsmoPCU                         | Feature | New    | Normal   | Inter-RAT hand-over   |                 | 02/23/2016 03:13 PM |                  |
| 1588 | OsmoSGSN                        | Feature | New    | Normal   | Inter-RAT hand-over   |                 | 02/23/2016 03:46 PM |                  |
| 2444 | OsmoSGSN                        | Bug     | New    | Low      | Inter-SGSN hand-over not supported yet  |                 | 08/15/2017 04:32 PM |                  |
| 1603 | OsmoMSC                         | Feature | New    | Normal   | Interfacing the MSC with other networks: Roaming interfaces / MAP                               |                 | 12/10/2017 08:05 PM |                  |
| 3696 | Cellular Network Infrastructure | Bug     | New    | Normal   | Intermittent Connection Drop  |                 | 11/19/2018 07:59 AM |                  |
| 2800 | linmodem                        | Feature | New    | Normal   | Interop testing with real modems  |                 | 01/01/2018 12:16 PM |                  |
| 3682 | OsmoBSC                         | Feature | New    | Normal   | Intra-domain connection of OsmoBSC to multiple MSCs   | laforge         | 01/25/2019 12:47 PM |                  |
| 3666 | OsmocomBB                       | Feature | New    | Normal   | Introduce VTY interface   | fixeria         | 01/15/2019 07:58 AM | Related to #3667 |

| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                                     |
|------|---------------------------------|---------|--------|----------|--|----------|---------------------|--|
| 3164 | OsmoMSC                         | Bug     | New    | Low      | invalid LAI in level 3 complete: unify BSSMAP and RANAP verification | stsp     | 04/12/2018 03:13 PM | Related to #3162,Related to #3163,Related to #3164 |
| 1955 | OsmoNITB                        | Bug     | New    | Normal   | Investigate "Bad signalling message" error                           |          | 03/05/2018 07:33 PM |  |
| 3382 | Cellular Network Infrastructure | Bug     | New    | Normal   | Investigate and fix lintian issues listed by Debian Lintian Report   | osmith   | 09/01/2018 08:40 PM |  |
| 3649 | OsmoHLR                         | Feature | New    | Low      | Investigate LMDB as HLR data storage                                 |          | 10/12/2018 11:35 AM | Related to #3649                                   |
| 3069 | OsmoMSC                         | Feature | New    | Normal   | investigate multiple CM Service Request on the same conn             | neels    | 04/04/2018 08:41 AM | Is duplicate of #3069                              |
| 3564 | OsmoGSMTester                   | Feature | New    | Normal   | Investigate ofono and modems Cell Broadcast support                  | lynxis   | 09/29/2018 08:57 AM | Related to #3564                                   |
| 1780 | OsmoPCU                         | Feature | New    | Low      | Investigate requirements for EC-GS-IoT support                       | laforge  | 07/23/2016 06:47 PM |  |
| 34   | OsmoBSC                         | Bug     | New    | Normal   | ipaccess init code needs proper state machines                       |          | 12/10/2017 08:16 PM | Related to #34                                     |
| 68   | OsmoBSC                         | Bug     | New    | Low      | ipaccess-config should work with -u ID -o IP -r BTS_IP               |          | 12/10/2017 07:52 PM |  |
| 1952 | Linux Kernel GTP-U              | Bug     | New    | Normal   | IPv6 support for inner (user) IP layer missing                       |          | 02/18/2017 12:29 PM |  |
| 1953 | Linux Kernel GTP-U              | Bug     | New    | Normal   | IPv6 support for outer (transport) IP layer missing                  |          | 02/19/2017 04:45 PM |  |
| 2494 | OsmoGGSN (former OpenGGSN)      | Feature | New    | Low      | IPv6 support on the outer (transport) layer                          | laforge  | 10/29/2017 06:33 PM |  |
| 1919 | pySim                           | Bug     | New    | Low      | issue with gcardsim from Greencard (grcard.cn)                       |          | 08/17/2017 06:45 AM |  |
| 3473 | testproject                     | Bug     | New    | Normal   | Issue with registering phones to Network                             |          | 08/19/2018 07:46 AM |  |
| 2783 | OsmoMSC                         | Bug     | New    | Low      | it seems like OsmoMSC is forcing lu/UMTS to use encryption. why?     | stsp     | 06/23/2018 07:33 PM |  |
| 1862 | OsmoMSC                         | Feature | New    | Low      | luCS: postpone signalling until after ciphering                      | neels    | 05/30/2018 03:01 PM |  |
| 1818 | OsmoSGSN                        | Bug     | New    | Normal   | luPS: CN should lu Release in certain situations                     | sysmocom | 05/30/2018 03:01 PM | Related to #1818,Related to #3302                  |
| 3726 | Cellular Network Infrastructure | Bug     | New    | Normal   | Jenkins: build all Osmocom projects in docker, not only some         | osmith   | 01/29/2019 10:33 AM | Related to #3726,Related to #3726                  |
| 3308 | Osmocom.org Servers             | Bug     | New    | Normal   | jenkins: master-asn1c build: "error: 'param' undeclared"             |          | 08/20/2018 04:09 PM |  |
| 3590 | rtl-sdr                         | Bug     | New    | Normal   | Key Functions Missing Documentation                                  |          | 09/25/2018 01:04 PM |  |
| 1674 | OsmoBTS                         | Bug     | New    | Normal   | Kill duplication between l1_if.c and sysmbots_ctrl.c                 |          | 05/17/2018 11:47 AM |  |
| 73   | OsmoBSC                         | Bug     | New    | Low      | Kill the paging_init_if_needed method in paging.c                    |          | 12/10/2017 07:53 PM |  |
| 1761 | libosmocore                     | Bug     | New    | Normal   | LAPD: segfault when bootstrapping Nokia InSite                       |          | 10/05/2017 06:27 AM | Related to #1760,Related to #1761                  |
| 3626 | libosmocore                     | Bug     | New    | Low      | LAPDm code pulls both 'l1h' and 'l2h' of msgb                        | fixeria  | 11/27/2018 09:43 PM |  |
| 1938 | libosmocore                     | Bug     | New    | Low      | lapd_core human readable connection IDs in debug log                 | dexter   | 05/17/2018 02:02 PM |  |

| #    | Project                         | Tracker | Status | Priority | Subject   | Assignee        | Updated             | Related issues                                     |
|------|---------------------------------|---------|--------|----------|---|-----------------|---------------------|--|
| 3661 | Cellular Network Infrastructure | Bug     | New    | Normal   | latest stable packages report "UNKNOWN" as version string in --version                | osmith          | 10/17/2018 09:56 AM | Related to #3661,Related to #3661                  |
| 2196 | OsmoGSMTester                   | Feature | New    | Low      | libmsc ctrl interface: add CTRL command to query a single subscriber's attached state | osmo-gsm-tester | 05/15/2017 12:58 PM |  |
| 2571 | libosmo-abis                    | Bug     | New    | Low      | libosmo-abis API documentation missing (doxygen)                                      | daniel          | 08/08/2018 11:20 AM |  |
| 2717 | libosmo-abis                    | Bug     | New    | Low      | libosmo-abis doesn't use ipa_ccm_make_id_resp()                                       |                 | 12/06/2017 05:47 PM |  |
| 2702 | OsmoMGW                         | Feature | New    | Low      | libosmo-mgcp doesn't use osmo_sock_API  |                 | 12/03/2017 09:42 AM |  |
| 3522 | libosmocore                     | Feature | New    | Low      | libosmocoding: move TCH ordering functions to libosmocore and share them              | fixeria         | 09/04/2018 08:49 PM |  |
| 3515 | OsmoTRX                         | Bug     | New    | Low      | license confusion in OsmoTRX  | pespin          | 09/03/2018 04:04 PM |  |
| 1543 | OsmoPCU                         | Feature | New    | Normal   | link/rate adaption as per spec  |                 | 10/02/2018 03:47 PM | Related to #1543,Related to #1543                  |
| 1917 | OsmocomBB                       | Bug     | New    | Normal   | linking OsmocomBB firmware fails on binutils 2.27                                     |                 | 05/19/2018 10:51 PM |  |
| 1504 | UmTRX                           | Feature | New    | Normal   | LMS6002 phase error increases when Rx is enabled and varies with temperature          | ttsou           | 02/19/2016 10:52 PM |  |
| 3747 | UmTRX                           | Feature | New    | Normal   | LMS6002D RX Gain Control  | ipse            | 01/08/2019 09:46 AM |  |
| 1605 | OsmoBSC                         | Feature | New    | Low      | logging / ring buffer for ALERT messages from A-bis OML from the BTS side             | osmith          | 09/30/2018 10:49 AM | Related to #1605                                   |
| 3642 | OsmoBSC                         | Bug     | New    | Low      | logging filter imsi leaks bsc_subscr references                                       |                 | 10/09/2018 10:04 PM |  |
| 39   | OsmoBSC                         | Feature | New    | Low      | Logging filter on bts/trx or such   |                 | 03/01/2018 11:16 PM |  |
| 2288 | OsmoGSMTester                   | Feature | New    | Low      | logging: print in a short way which resource is being reserved and used               | osmo-gsm-tester | 05/23/2017 02:25 PM |  |
| 3492 | OsmocomBB                       | Support | New    | Normal   | luca/gsmmtap/ branch cannot receive gsm packet  |                 | 08/21/2018 06:39 PM |  |
| 3603 | OsmoSTP                         | Feature | New    | Low      | M2PA support  |                 | 10/03/2018 08:58 AM |  |
| 3602 | OsmoSTP                         | Feature | New    | Low      | M2UA support  |                 | 09/30/2018 08:00 AM |  |
| 1664 | cellmgr-ng                      | Bug     | New    | Normal   | m3ua connection should make non-blocking connect                                      | zecke           | 03/17/2016 10:37 AM |  |
| 3698 | OsmoBSC                         | Feature | New    | High     | Make "SGSN Release" in SI3 configurable   | osmith          | 03/13/2019 07:16 AM | Related to #3698                                   |
| 1858 | OsmoBSC                         | Feature | New    | Normal   | make BSC also generate ALERTs   |                 | 12/10/2017 07:59 PM |  |
| 1613 | OsmoBSC                         | Feature | New    | Low      | make BTS/TRX configuration changes without having to drop BTS OML link                |                 | 12/10/2017 08:06 PM |  |
| 2981 | OsmoMGW                         | Bug     | New    | Normal   | make check: mgcp test failed  |                 | 02/22/2018 10:14 AM | Related to #2981,Related to #2982,Related to #2981 |

| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee           | Updated             | Related issues                    |
|------|---------------------------------|---------|--------|----------|--|--------------------|---------------------|-----------------------------------|
| 3783 | OsmoMGW                         | Feature | New    | Normal   | Make conn-timeout compatible with LCLS   | osmith             | 02/06/2019 06:14 PM | Related to #3783,Related to #3783 |
| 3830 | OsmoHLR                         | Feature | New    | Normal   | make downward compatible db-schema updates automatic                           |                    | 03/21/2019 07:27 PM |                                   |
| 1984 | Osmocom.org Servers             | Feature | New    | Normal   | make list archives more readable/accessible                                    |                    | 03/15/2017 11:20 AM |                                   |
| 3858 | osmo-clock-gen                  | Feature | New    | Normal   | Make more GPIOs available for future use                                       |                    | 03/24/2019 03:47 PM |                                   |
| 3755 | OsmoMSC                         | Feature | New    | Low      | make retrieval of IMEISV configurable  |                    | 01/10/2019 03:43 PM | Related to #3755                  |
| 2677 | libosmocore                     | Support | New    | Normal   | Make stat_item available over ctrl interface                                   | stsp               | 05/09/2018 10:03 AM | Related to #2676                  |
| 3510 | OsmoBTS                         | Bug     | New    | Normal   | Make sure the ECU (Error Concealment Unit) is working correctly                | tnt                | 10/20/2018 07:34 PM |                                   |
| 3156 | OsmoMSC                         | Feature | New    | Normal   | make sure we handle N overlapping CM Service Requests properly                 |                    | 04/11/2018 11:50 AM | Is duplicate of #3069             |
| 1673 | Osmocom.org Servers             | Feature | New    | Normal   | Make the old trac sqlite3 pages available                                      | zecke              | 03/25/2016 12:34 PM |                                   |
| 1866 | OsmoBSC                         | Feature | New    | Normal   | Make use of RSL RF RESOURCE INDICATION (interference measurements)             |                    | 12/10/2017 08:15 PM | Related to #1569                  |
| 2256 | Cellular Network Infrastructure | Bug     | New    | Low      | Malformed packet sending an SMS  | pespin             | 01/31/2018 05:42 PM |                                   |
| 3210 | osmo-fl2k                       | Feature | New    | Low      | man pages  | steve-m            | 04/24/2018 08:55 PM |                                   |
| 3192 | Cellular Network Infrastructure | Bug     | New    | Normal   | meas_vis: use the lchan identity as primary key, not the IMSI                  |                    | 04/21/2018 07:21 PM | Related to #3192,Related to #3192 |
| 3757 | Linux Kernel GTP-U              | Bug     | New    | High     | Memory leak  |                    | 01/12/2019 01:14 PM |                                   |
| 3128 | Cellular Network Infrastructure | Feature | New    | Normal   | mention invalidated vty options in [[OsmoNITB Migration Guide]]                | daniel             | 03/30/2018 02:47 PM |                                   |
| 3699 | Cellular Network Infrastructure | Feature | New    | Normal   | merge Debian patches   |                    | 11/19/2018 01:41 PM | Related to #3699,Related to #3753 |
| 3345 | OsmoTRX                         | Feature | New    | Low      | merge ms branch  |                    | 06/13/2018 07:16 PM |                                   |
| 3530 | OsmoBTS                         | Feature | New    | Normal   | merge PRIM_INFO_MEAS into PRIM_PH_DATA and PRIM_TCH                            | dexter             | 09/07/2018 08:40 AM | Related to #3530                  |
| 3344 | OsmoTRX                         | Feature | New    | Normal   | merge ttsou/siggen   |                    | 06/13/2018 07:26 PM |                                   |
| 3594 | gr-osmosdr                      | Feature | New    | Normal   | Message Commands   |                    | 09/25/2018 03:59 PM |                                   |
| 65   | OpenBSC                         | Bug     | New    | Low      | MIC29301-5.0 is a TO220-5 footprint part                                       | tnt                | 05/09/2016 07:37 PM |                                   |
| 3087 | Osmocom.org Servers             | Feature | New    | Low      | migrate dect.osmocom.org to new server   | laforge            | 10/07/2018 01:52 PM | Related to #3087                  |
| 2830 | Osmocom.org Servers             | Feature | New    | Low      | migrate dect.osmocom.org to redmine  | zecke              | 10/07/2018 01:39 PM | Related to #3087                  |
| 3084 | Osmocom.org Servers             | Feature | New    | Low      | migrate dns to new server  | laforge            | 03/28/2018 05:11 PM | Related to #3123                  |
| 3257 | Osmocom.org Servers             | Feature | New    | Low      | migrate ftp to new server  | laforge            | 05/10/2018 09:34 PM |                                   |
| 2363 | OpenBSC                         | Support | New    | High     | migrate important branches from openbsc.git to new osmo-{msc,bsc,mgw,sgsn}.git | Osmocom Developers | 09/12/2018 02:41 PM |                                   |

| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee               | Updated             | Related issues                                     |
|------|---------------------------------|---------|--------|----------|--|------------------------|---------------------|--|
| 3303 | Osmocom.org Servers             | Feature | New    | High     | migrate openmoko.org into "archive mode" and remove dedicated server for it                                | laforge                | 10/07/2018 03:27 PM | Related to #3303                                   |
| 2819 | Cellular Network Infrastructure | Feature | New    | Normal   | migrate to python3   |                        | 01/07/2018 11:37 AM |  |
| 3371 | SIMtrace 2                      | Feature | New    | Normal   | migrate to use arm-none-eabi build of libosmocore.git  | laforge                | 08/09/2018 12:14 PM |  |
| 3083 | Osmocom.org Servers             | Feature | New    | Normal   | migrate trac to new server?  | laforge                | 06/13/2018 09:55 AM |  |
| 2962 | OsmoSGSN                        | Bug     | New    | Normal   | Missing TTCN-3 test cases  | lynxis                 | 05/30/2018 02:19 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                  |
| 3629 | OsmocomBB                       | Bug     | New    | Normal   | mobile aborting after 'test re-selection 1' on vty   |                        | 10/04/2018 02:58 PM |  |
| 2815 | linmodem                        | Feature | New    | Normal   | modern ptmx / pty handling (UNIX 98)   |                        | 01/01/2018 02:48 PM |  |
| 1612 | Cellular Network Infrastructure | Bug     | New    | Low      | more configuration consistency checking  | sysmocom               | 09/30/2018 11:48 AM |  |
| 3688 | OsmoSGSN                        | Feature | New    | Normal   | move generic gtpub code to libosmocore   |                        | 11/12/2018 03:02 PM |  |
| 1537 | OsmoPCU                         | Feature | New    | Low      | Move the BSSGP handling to libosmocore   |                        | 03/01/2018 11:17 PM | Related to #1537,Related to #2388                  |
| 1506 | UmTRX                           | Feature | New    | Normal   | Move to the latest stable UHD  | ipse                   | 02/21/2016 04:47 PM |  |
| 1568 | OsmoBTS                         | Feature | New    | Normal   | Move various code bits to libosmocore  | fixeria                | 01/07/2018 09:55 PM |  |
| 1577 | OsmoBTS                         | Bug     | New    | Normal   | mph_send_config_logchpar doesn't update encryption config  |                        | 02/23/2016 03:39 PM |  |
| 2438 | OsmoNITB                        | Bug     | New    | Normal   | MS not registered from osmocom PoV, but registered from ofono PoV  |                        | 08/14/2017 09:36 AM |  |
| 3814 | OsmoBSC                         | Bug     | New    | Normal   | MS Power Control Problem with Osmo-BSC and nanoBTS   |                        | 02/24/2019 01:15 AM |  |
| 3834 | OsmoPCU                         | Bug     | New    | Normal   | MS set_mode()/set_current_cs_*(*) inconsistent results   |                        | 03/12/2019 12:04 PM | Related to #3834,Related to #3834,Related to #3834 |
| 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 | msuraev                | 10/17/2018 09:48 AM | Related to #3678                                   |
| 2846 | OsmoMSC                         | Bug     | New    | Normal   | MSC doesn't close SCCP/BSSAP connection on CM SERV REQ tht cannot be parsed                                | stsp                   | 05/22/2018 03:27 PM |  |
| 3650 | OsmoMSC                         | Bug     | New    | Normal   | MSC is not sending a payload_type to MNCC?   | dexter                 | 11/16/2018 03:37 PM | Related to #3724                                   |
| 3816 | OsmoMSC                         | Bug     | New    | Normal   | MSC ttcn3 test TC_sgsap_reset crashes ttcn3-msc-test-latest  | dexter                 | 02/26/2019 11:21 AM |  |
| 1479 | Mobile (in)Security             | Bug     | New    | Normal   | MTK stack unable to send MO-SMS on TCH/F   |                        | 02/21/2016 04:35 PM |  |
| 3501 | SIMtrace 2                      | Feature | New    | Low      | Multi-sim addon board idea   | sysmocom hardware team | 08/28/2018 03:00 PM |  |
| 1561 | OsmoBTS                         | Feature | New    | Low      | Multi-TRX support (one osmo-bts process per TRX)   |                        | 02/23/2016 03:18 PM |  |



| #    | Project                                    | Tracker | Status | Priority | Subject   | Assignee   | Updated             | Related issues   |
|------|--|---------|--------|----------|---|------------|---------------------|--|
| 3280 | OsmocomBB                                  | Feature | New    | Low      | Multiparty SS support in OsmocomBB  |            | 05/22/2018 07:40 AM |  |
| 3452 | SIMtrace 2                                 | Feature | New    | Normal   | name binaries including their git version number  | tsaitgaist | 08/26/2018 02:07 AM |  |
| 2224 | SDR (Software Defined Radio)               | Feature | New    | Normal   | New Fospor Benchmark Performance  |            | 05/04/2017 01:23 PM |  |
| 3802 | gr-osmosdr                                 | Feature | New    | Normal   | New release   | horiz0n    | 02/15/2019 07:22 AM |  |
| 3272 | E1/T1 Hardware Interface                   | Feature | New    | Normal   | next-generation osmo-e1-xcvr board  | vogelchr   | 09/10/2018 11:22 AM | Related to #3272   |
| 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 |  |
| 3369 | Cellular Network Infrastructure            | Bug     | New    | Normal   | no automatic testing of Debian/Ubuntu packages  | osmith     | 09/30/2018 08:25 AM | Related to #3369,Related to #3369,Related to #3369,Related to #3369,Related to #3369 |
| 2856 | OsmoMSC                                    | Bug     | New    | Normal   | No automatic testing of luCS interface  | laforge    | 05/30/2018 03:00 PM | Precedes #2857,Precedes #2858  |
| 2858 | OsmoHNBGW                                  | Bug     | New    | Low      | No automatic testing of luh interface   |            | 05/30/2018 03:00 PM | Precedes #2858   |
| 2857 | OsmoSGSN                                   | Bug     | New    | Normal   | No automatic testing of luPS interface  |            | 05/30/2018 03:00 PM | Related to #3224,Precedes #2857  |
| 2955 | OsmoSGSN                                   | Bug     | New    | Normal   | No GMM ATTACH REJECT on GSUP UpdateLocation Error   | lynxis     | 05/17/2018 01:57 PM |  |
| 2876 | OsmoMSC                                    | Bug     | New    | High     | No MDCX for RAN side after assignment ?   | dexter     | 01/29/2018 09:55 PM |  |
| 3683 | SIMtrace 2                                 | Bug     | New    | Low      | no reset after DFU flash  | tsaitgaist | 11/06/2018 04:37 PM |  |
| 2179 | Osmocom Conferences (OsmoDevCon + OsmoCon) | Bug     | New    | Normal   | no sign about OsmoCon outside of venue  |            | 04/24/2017 07:10 PM |  |
| 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 |  |
| 2957 | OsmoSGSN                                   | Bug     | New    | Normal   | No timeout during GSUP PURGE MS to HLR  | lynxis     | 05/17/2018 01:57 PM |  |
| 2953 | OsmoSGSN                                   | Bug     | New    | Normal   | No timeout waiting for UpdateLocation Response on GSUP  | lynxis     | 05/17/2018 01:57 PM | Related to #2952   |
| 69   | OsmoBSC                                    | Bug     | New    | Low      | No timers for various calls   |            | 12/10/2017 07:53 PM |  |
| 3591 | rtl-sdr                                    | Bug     | New    | Normal   | No Way To Detect Occasional Failed Bulk Transfers   |            | 09/25/2018 01:29 PM |  |
| 3662 | gr-gsm                                     | Bug     | New    | Normal   | not building on OSX 10.13.4   |            | 10/29/2018 08:52 AM |  |
| 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   |
| 2384 | OsmoPCU                                    | Bug     | New    | Low      | NSVCI=0 seems to cause problems   | laforge    | 07/25/2017 05:50 PM | Related to #2384   |

| #    | Project                        | Tracker | Status | Priority | Subject   | Assignee        | Updated             | Related issues                    |
|------|--------------------------------|---------|--------|----------|---|-----------------|---------------------|-----------------------------------|
| 41   | OsmoMSC                        | Bug     | New    | Normal   | Numbering Plan in OsmoMSC   |                 | 06/23/2018 07:37 PM |                                   |
| 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 |
| 2969 | OsmoBSC                        | Feature | New    | Low      | obtain and store subscriber identity  | neels           | 01/03/2019 06:03 PM | Related to #2969                  |
| 2807 | Z-Netz                         | Bug     | New    | Normal   | Obtain ZERBERUS software build[s] and manual[s]                                   | laforge         | 01/01/2018 01:08 PM |                                   |
| 2713 | OsmoGSMTester                  | Bug     | New    | Normal   | ofono: chosen pdp type (v4, v6, dual) not strictly followed in ofono qmi          | lynxis          | 12/07/2017 01:25 PM | Related to #2713                  |
| 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 |
| 3064 | OsmoGSMTester                  | Bug     | New    | Normal   | ofono: crash after merging osmo-gsm-tester patch to read IMSI                     | lynxis          | 04/10/2018 03:47 PM |                                   |
| 2738 | OsmoGSMTester                  | Bug     | New    | Normal   | ofono: crash during tests   | lynxis          | 12/11/2017 05:02 PM |                                   |
| 2189 | OsmoGSMTester                  | Bug     | New    | Normal   | ofono: EC20: cannot send SMS  | lynxis          | 11/28/2017 04:21 PM |                                   |
| 2432 | OsmoGSMTester                  | Feature | New    | Low      | ofono: Find out how to receive Status / Delivery report                           | lynxis          | 02/18/2019 03:43 PM |                                   |
| 3810 | OsmoGSMTester                  | Bug     | New    | Normal   | ofono: Fix ocasional crash when running against osmo-gsm-tester                   | pespin          | 03/18/2019 12:57 PM |                                   |
| 2236 | OsmoGSMTester                  | Bug     | New    | Low      | ofono: Fix valgrind issues  | lynxis          | 10/17/2017 12:15 PM |                                   |
| 2468 | OsmoGSMTester                  | Feature | New    | Low      | ofono: gobi modem doesn't support ofono SupplementaryServices interface           | lynxis          | 10/17/2017 11:55 AM |                                   |
| 3676 | OsmoGSMTester                  | Bug     | New    | Normal   | ofono: org.ofono.ConnectionManager property Bearer returning "none"               | osmo-gsm-tester | 10/29/2018 01:11 PM |                                   |
| 3046 | OsmoGSMTester                  | Bug     | New    | Normal   | ofono: SierraW modem fails to power on  | lynxis          | 03/09/2018 10:58 AM |                                   |
| 2941 | OsmoGSMTester                  | Bug     | New    | Normal   | ofono: SierraW sometimes crashing while deactivating a context.                   | lynxis          | 02/13/2018 04:16 PM |                                   |
| 1505 | UmTRX                          | Bug     | New    | High     | OHM4 footprint incorrect  |                 | 02/19/2016 10:52 PM |                                   |
| 28   | OsmoNITB                       | Bug     | New    | Low      | Old siemens phones cannot make voice calls (04.08 channel mode)                   |                 | 03/05/2018 07:36 PM |                                   |
| 3739 | OsmoBSC                        | Feature | New    | Normal   | on osmo-bsc startup, sanity check codec-, pchan-types and AMR rates configuration |                 | 12/20/2018 01:31 AM |                                   |
| 1832 | Linux Kernel GTP-U             | Feature | New    | Normal   | OpenvSwitch GTP-u patch for 2.5   |                 | 10/27/2016 08:56 AM |                                   |
| 3664 | OsmoTRX                        | Feature | New    | Normal   | Optimize EDGE burst detection   |                 | 10/22/2018 05:10 PM |                                   |
| 2610 | libosmocore                    | Feature | New    | Low      | optimize GnuTLS fallback  |                 | 05/01/2018 04:07 PM | Related to #2610                  |
| 2355 | OsmoBTS                        | Bug     | New    | Low      | optimize log output of phy specific code  | dexter          | 07/10/2017 08:44 AM | Related to #2355                  |
| 2669 | OsmoMSC                        | Bug     | New    | Low      | osm-msc doesn't clean up BSC state  | osmith          | 09/30/2018 11:37 AM |                                   |
| 3819 | gr-osmosdr                     | Support | New    | Urgent   | OSMO SDR blocks for GNUradio  |                 | 02/28/2019 06:00 PM |                                   |
| 3357 | OsmoBSC                        | Bug     | New    | Normal   | osmo-bsc doesn't perform RSL MODE MODIFY on ASSIGNMENT if channel is compatible.  | dexter          | 10/02/2018 02:54 PM | Related to #3357                  |
| 3476 | OsmoBSC                        | Support | New    | High     | osmo-bsc manual needs to explain the AoIP config 'cs7 instance'                   |                 | 08/20/2018 09:06 AM |                                   |

| #    | Project                         | Tracker | Status | Priority | Subject   | Assignee           | Updated             | Related issues   |
|------|---------------------------------|---------|--------|----------|---|--------------------|---------------------|------------------|
| 3330 | OsmoBSC                         | Feature | New    | Normal   | osmo-bsc: Implement IMMEDIATE ASSIGNMENT EXTENDED   | sysmocom           | 06/08/2018 12:14 PM | Related to #3330 |
| 3370 | Cellular Network Infrastructure | Bug     | New    | Normal   | osmo-bts "substituting all-zero burst" and osmo-pcu "Link quality (0dB) left window [5, 8], modifying uplink CS levels: CS-2 -> CS-1" |                    | 08/08/2018 11:16 AM | Related to #3428 |
| 2245 | OsmoGSMTester                   | Bug     | New    | Low      | osmo-bts cfg: fix band string   | osmo-gsm-tester    | 05/15/2017 12:58 PM | Related to #2230 |
| 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 |                  |
| 2674 | OsmoBTS                         | Bug     | New    | Normal   | osmo-bts-sysmo GPRS failing if running without "-M"   | pespin             | 11/23/2017 12:29 PM |                  |
| 1755 | OsmoBTS                         | Feature | New    | Low      | osmo-bts-sysmo L1: unify hLayer3 handling   | Osmocom Developers | 02/02/2017 04:00 PM | Related to #1755 |
| 1771 | OsmoBTS                         | Feature | New    | Low      | osmo-bts-trx: clarify check_transceiver_availability()  |                    | 03/01/2018 11:17 PM | Related to #1770 |
| 2942 | OsmoBTS                         | Bug     | New    | Low      | osmo-bts-virtual+virtphy+mobile paging for SMS delivery fails   |                    | 02/13/2018 05:05 PM |                  |
| 3329 | OsmoBTS                         | Feature | New    | Normal   | osmo-bts: Implement IMMEDIATE ASSIGNMENT EXTENDED   | sysmocom           | 06/08/2018 12:02 PM | Related to #3330 |
| 78   | OsmoBTS                         | Bug     | New    | Low      | osmo-bts: Infinite loop in the MS power control   | tnt                | 10/20/2018 07:39 PM |                  |
| 61   | OsmoBTS                         | Feature | New    | Low      | osmo-bts: split TRAU/RTP frame handling into separate process   |                    | 06/13/2016 01:16 PM |                  |
| 3353 | OsmoBTS                         | Bug     | New    | Normal   | osmo-bts: TTCN3 BTS_Tests.TC_rll_est_ind fail behavior not clear  | pespin             | 06/23/2018 06:41 PM | Related to #3353 |
| 3381 | OsmoGGSN (former OpenGGSN)      | Bug     | New    | Low      | osmo-ggsn does not react properly when the PDP CTX ACT PCO contains primary and secondary DNS in separate IPCP                        | pespin             | 07/16/2018 08:02 AM |                  |
| 2741 | OsmoGGSN (former OpenGGSN)      | Bug     | New    | Normal   | osmo-ggsn segfaults after receiving SIGINT  | osmith             | 11/22/2018 11:11 AM |                  |
| 1921 | Cellular Network Infrastructure | Bug     | New    | Normal   | osmo-gsm-manuals: Purge-MS operation doc error?   | daniel             | 03/16/2018 07:55 PM |                  |
| 2207 | OsmoGSMTester                   | Feature | New    | Low      | osmo-gsm-tester trial run-dir: improve structure  | osmo-gsm-tester    | 05/24/2017 01:04 PM |                  |
| 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 |
| 2860 | OsmoGSMTester                   | Feature | New    | Normal   | osmo-gsm-tester: Add 3g support with nano3G board   | pespin             | 09/19/2018 12:07 PM | Related to #2860 |
| 2646 | OsmoGSMTester                   | Feature | New    | Normal   | osmo-gsm-tester: Add osmo-sip-connector support   | osmo-gsm-tester    | 04/23/2018 10:40 AM |                  |
| 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 |
| 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 |                  |
| 2314 | OsmoGSMTester                   | Feature | New    | Normal   | osmo-gsm-tester: add test case: smpp: correct ESME routing  | osmo-gsm-tester    | 05/31/2017 04:29 PM |                  |
| 2313 | OsmoGSMTester                   | Feature | New    | Normal   | osmo-gsm-tester: add test case: smpp: imsi extension  | osmo-gsm-tester    | 05/31/2017 04:27 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 |                  |
| 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 |                  |
| 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 |
| 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 |
| 2230 | OsmoGSMTester                   | Feature | New    | Normal   | osmo-gsm-tester: arfcn as resource  | osmo-gsm-tester    | 12/14/2017 04:08 PM | Related to #2230 |

| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee        | Updated             | Related issues  |
|------|---------------------------------|---------|--------|----------|--|-----------------|---------------------|---|
| 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  |
| 3715 | OsmoGSMTester                   | Bug     | New    | Low      | osmo-gsm-tester: Mainloop.wait() hangs forever in Mainloop.poll()                          | pespin          | 12/03/2018 09:53 AM |   |
| 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  |
| 3821 | OsmoGSMTester                   | Feature | New    | Normal   | osmo-gsm-tester: Support OC-2G BTS   | roh             | 03/04/2019 08:16 PM |   |
| 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 |   |
| 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 |   |
| 3352 | OsmoMGW                         | Feature | New    | Low      | osmo-mgw does not allow multiple codecs in LCO   | dexter          | 06/23/2018 06:18 PM |   |
| 3829 | OsmoMSC                         | Bug     | New    | Normal   | osmo-msc expects aoip TLV in Assignment Complete messages from BSC                         |                 | 03/07/2019 08:30 PM |   |
| 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 |   |
| 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 |   |
| 2938 | OsmoNITB                        | Bug     | New    | Low      | osmo-nitb version 1.0.0 in 'latest' constantly logs LIBDBI error                           |                 | 02/13/2018 11:00 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    |                 | 12/28/2017 10:37 PM |   |
| 1907 | osmo-qcdiag                     | Bug     | New    | Normal   | osmo-qcdiag detects CRC errors relatively often  |                 | 01/23/2017 01:47 AM |   |
| 1901 | osmo-qcdiag                     | Feature | New    | Normal   | osmo-qcdiag: Ability to read/write NV data   |                 | 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 |   |
| 1899 | osmo-qcdiag                     | Bug     | New    | Normal   | osmo-qcdiag: DIAG based pcap tracing (DPL) not working                                     |                 | 01/11/2017 12:15 PM |   |
| 3565 | OsmoSGSN                        | Bug     | New    | Normal   | osmo-sgsn crashes on ttcn3 tests   | lynxis          | 09/18/2018 01:26 PM |   |
| 3403 | OsmoSGSN                        | Bug     | New    | Normal   | osmo-sgsn doesn not connect properly with via SCCP when restarted                          | msuraev         | 10/17/2018 10:20 AM | Related to #3403  |
| 1967 | Cellular Network Infrastructure | Bug     | New    | Low      | osmo-sim-auth: NoneType exception with AUTN generated from OP                              | dexter          | 01/23/2019 02:57 PM |   |
| 1687 | osmo-sip-connector              | Feature | New    | Low      | osmo-sip-connector: Explore 3-way conference call  | sysmocom        | 10/02/2018 03:37 PM |   |
| 1686 | osmo-sip-connector              | Feature | New    | Normal   | osmo-sip-connector: Implement call holding on SIP  | sysmocom        | 10/02/2018 03:38 PM |   |
| 1683 | osmo-sip-connector              | Bug     | New    | High     | osmo-sip-connector: Implement codec selection  | sysmocom        | 11/19/2018 12:53 PM | Related to #1683,Related to #1683,Related to #1683,Related to #1683 |
| 2430 | OsmoTRX                         | Feature | New    | Low      | osmo-trx support bladerf   |                 | 02/23/2018 05:14 PM |   |
| 3067 | OsmoTRX                         | Bug     | New    | Normal   | osmo-trx usrp b100 time out and packet loss between host and device                        | ttsou           | 03/15/2018 06:36 PM |   |

| #    | Project | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues  |
|------|---------|---------|--------|----------|--|----------|---------------------|---|
| 3339 | OsmoTRX | Bug     | New    | Urgent   | osmo-trx-lms "expect ... got ... diff ff0" error message                 | pespin   | 12/14/2018 05:22 PM | Related to #3339  |
| 3346 | OsmoTRX | Bug     | New    | Normal   | osmo-trx-lms: Multi channel support: "R_CTL_LPF range limit reached"     | pespin   | 12/05/2018 04:22 PM | Related to #3346  |
| 3562 | OsmoTRX | Bug     | New    | Normal   | osmo-trx-uhd doesn't exit after UHD device disappears                    | pespin   | 11/01/2018 05:51 PM |   |
| 2723 | OsmoTRX | Bug     | New    | Low      | osmo-trx-uhd: failure to update CLOCK IND, timeout with LimeSDR          | pespin   | 05/17/2018 11:41 AM | Related to #2723,Related to #3039,Is duplicate of #2723 |
| 3000 | OsmoBSC | Bug     | New    | Normal   | OsmoBSC issues "RSL Connect" command too early -> race conditions        |          | 02/25/2018 12:32 PM | Related to #2470  |
| 3020 | OsmoBSC | Bug     | New    | Normal   | OsmoBSC PCU socket interface not yet tested by BSC_Tests.ttcn            | msuraev  | 10/17/2018 10:28 AM |   |
| 2782 | OsmoBSC | Bug     | New    | Low      | OsmoBSC sends BSSMAP ASSIGNMENT COMPLETE before RSL MODE MODIFY succeeds | dexter   | 02/12/2018 03:49 PM |   |
| 2767 | OsmoBSC | Bug     | New    | High     | OsmoBSC user manual doesn't specify how to configure M3UA link (asp/as)  | daniel   | 03/16/2018 07:52 PM |   |

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