

## Issues

| #    | Project                                      | Tracker | Status | Priority | Subject   | Assignee   | Updated             | Related issues   |
|------|--|---------|--------|----------|---|------------|---------------------|------------------|
| 1689 | OsmoSMSC                                     | Feature | New    | Normal   | insert: Change destination number based on criteria similiar to route handling on output                            | zecke      | 04/06/2016 12:18 PM |                  |
| 1623 | OsmoSMSC                                     | Feature | New    | Normal   | Configure delivery report for the SMPP delivery links   | zecke      | 02/24/2016 01:49 PM |                  |
| 1690 | OsmoSMSC                                     | Bug     | New    | Normal   | Insert: Generate message ID (e.g. UUID)   | zecke      | 04/06/2016 12:26 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 |                  |
| 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 |                  |
| 3847 | Miscellaneous Projects                       | Feature | New    | Normal   | Osmocom logo with/for black background  | tsaitgaist | 12/10/2019 11:53 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 |                  |
| 5710 | E1/T1 Hardware Interface (including icE1usb) | Feature | New    | Normal   | rs422: Merge as much of the gateway in master as possible   | tnt        | 10/13/2022 06:53 PM | Related to #5710 |
| 5709 | E1/T1 Hardware Interface (including icE1usb) | Feature | New    | Normal   | rs422: Merge as much of the firmware into master to avoid separate branch   | tnt        | 10/13/2022 06:49 PM | Related to #5709 |
| 5883 | OCTOI - Osmocom Community TDM over IP        | Bug     | New    | Normal   | GPS sync sometimes goes to hold over  | tnt        | 01/30/2023 02:18 PM | Related to #5885 |
| 5708 | E1/T1 Hardware Interface (including icE1usb) | Bug     | New    | Normal   | rs422: Support runtime re-init of the GPS receiver  | tnt        | 10/13/2022 06:46 PM | Related to #5708 |
| 1458 | OsmocomBB                                    | Bug     | New    | High     | AGC broken (strong cell cannot be synced)   | tnt        | 07/18/2019 06:10 AM | Related to #3582 |
| 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 |                  |
| 4367 | rtl-sdr                                      | Support | New    | Normal   | "Communications Toolbox Support Package for RTL-SDR Radio" from "Mathworks Matlab" appears to be with broken links? | steve-m    | 01/21/2020 08:52 PM |                  |
| 5291 | rtl-sdr                                      | Feature | New    | Normal   | Ship the udev rules upstream  | steve-m    | 11/05/2021 11:04 AM |                  |
| 3315 | rtl-sdr                                      | Feature | New    | Normal   | review and possibly apply patches from debian package   | steve-m    | 06/03/2018 01:17 PM |                  |
| 3210 | osmo-fl2k                                    | Feature | New    | Low      | man pages   | steve-m    | 04/24/2018 08:55 PM |                  |
| 6413 | rtl-sdr                                      | Bug     | New    | Normal   | Incorrect Debian/Debian-like binary packages  | steve-m    | 03/22/2024 05:09 PM |                  |
| 6012 | rtl-sdr                                      | Bug     | New    | Normal   | Update wiki for macos build   | steve-m    | 05/01/2023 02:38 AM |                  |
| 6005 | rtl-sdr                                      | Bug     | New    | Normal   | rtl-test and rtl-sdr exit code=-5 when running on Windows 10 WSL and Ubuntu   | steve-m    | 10/18/2023 05:45 PM |                  |
| 5922 | rtl-sdr                                      | Bug     | New    | Normal   | rtl_sdr bytes_to_read wraparound for n > 2**31  | steve-m    | 03/20/2023 10:16 AM |                  |
| 5918 | osmo-fl2k                                    | Bug     | New    | Normal   | -flto broken in release   | steve-m    | 12/20/2023 08:43 PM |                  |
| 5831 | OsmocomBB                                    | Bug     | New    | Normal   | SE K2x0i: built-in SIM reader is not working  | steve-m    | 12/16/2022 12:03 AM |                  |

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| 5220 | rtl-sdr                         | Bug     | New    | Normal   | Undefined reference to libusb_dev_mem_free   | steve-m  | 08/31/2021 09:21 AM |                       |
| 4758 | rtl-sdr                         | Bug     | New    | Normal   | rtl_tcp no longer works on macos 10.15 via macports  | steve-m  | 04/30/2023 11:59 AM |                       |
| 1474 | SDR (Software Defined Radio)    | Bug     | New    | High     | USB Claim Interface Error  | steve-m  | 02/20/2016 08:23 PM |                       |
| 5850 | SDR (Software Defined Radio)    | Bug     | New    | Normal   | OBS mingw builds not updated since 2019  | roox     | 01/04/2023 12:15 PM |                       |
| 6231 | OsmoTRX                         | Feature | New    | Normal   | add support / calibration values for AntSDR E200   | roh      | 10/21/2023 03:25 PM |                       |
| 3227 | Cellular Network Infrastructure | Feature | New    | Normal   | general idea: separate GSUP spec document  | roh      | 12/01/2019 09:26 AM | Is duplicate of #3227 |
| 4942 | gr-osmosdr                      | Bug     | New    | Normal   | XTRX: Unable to compile due to error   | RFNOD    | 01/12/2021 08:29 PM |                       |
| 5839 | OsmoGSMTester                   | Feature | New    | Normal   | Ability to switch off the osmo-trx machine   | pespin   | 12/20/2022 05:43 PM |                       |
| 5827 | OsmoPCU                         | Feature | New    | Normal   | osmo-pcu: Hardcoded limit of maximum number of 8 TRX per BTS   | pespin   | 12/16/2022 11:55 AM |                       |
| 5122 | OsmoPCU                         | Feature | New    | Normal   | Choose SBA allocation offset based on AGCH queue load in the BTS   | pespin   | 04/20/2021 12:51 PM | Related to #5122      |
| 5045 | Cellular Network Infrastructure | Feature | New    | Normal   | write libversion "major" on build files automatically based on LIBVERSION  | pespin   | 02/24/2021 01:14 PM |                       |
| 5012 | osmo-uecups                     | Feature | New    | Low      | use osmo-uecups from GGSN_Tests.ttcn   | pespin   | 02/06/2021 10:02 AM | Related to #5012      |
| 4840 | Core testing infrastructure     | Feature | New    | Low      | migrate osmo-gsm-tester docker images to registry.osmocom.org  | pespin   | 11/02/2020 05:13 PM | Related to #4840      |
| 4808 | OsmoGSMTester                   | Feature | New    | Low      | osmo-gsm-tester: Add test setup to verify baseband frequency hopping   | pespin   | 03/31/2023 03:25 PM |                       |
| 4502 | OsmoGSMTester                   | Feature | New    | Low      | osmo-gsm-tester: support gpio controlled step attenuators of the LTHW main unit  | pespin   | 03/31/2023 03:28 PM |                       |
| 4406 | OsmoGSMTester                   | Feature | New    | Low      | osmo-gsm-tester: Support setting auth_algo milenage or similar on osmocom software and filling HLR parameters like OPC | pespin   | 03/31/2023 03:26 PM | Related to #4407      |
| 4356 | libosmo-sccp + libosmo-sigtran  | Feature | New    | Low      | execute sccp_demo_user server-client against each other in some test suite   | pespin   | 01/10/2020 12:23 PM | Related to #4356      |
| 4275 | OsmoSTP                         | Feature | New    | Low      | Add TTCN3 STP_Tests_IPA.TC_tmt_broadcast   | pespin   | 12/01/2019 11:04 AM |                       |
| 4092 | OsmoMGW                         | Feature | New    | Normal   | Osmux: Support dynamic allocation of osmux sockets   | pespin   | 08/10/2022 07:50 AM | Related to #4092      |
| 4091 | Cellular Network Infrastructure | Feature | New    | Normal   | Osmux: Make sure all handover types work fine if a call leg is using Osmux between BSC and MSC.                        | pespin   | 06/08/2020 07:08 PM |                       |
| 4065 | OsmoMSC                         | Feature | New    | Normal   | osmo-msc: Support instructing MSC_MGW to use Osmux between 2 endp/call-leg of same voice call                          | pespin   | 06/19/2019 04:54 PM | Related to #4065      |
| 3234 | OsmoGSMTester                   | Feature | New    | Low      | osmo-gsm-tester: poll the python-smplib socket using non-busy approach   | pespin   | 03/31/2023 03:28 PM | Related to #2512      |
| 2946 | OsmoGGSN (former OpenGGSN)      | Feature | New    | Low      | Add test suite for sgsnemu   | pespin   | 11/21/2019 05:03 PM |                       |
| 2860 | OsmoGSMTester                   | Feature | New    | Low      | osmo-gsm-tester: Add 3g support with nano3G board  | pespin   | 03/31/2023 03:26 PM | Related to #2860      |

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|------|---------------------------------|---------|--------|----------|--|----------|---------------------|---|
| 2554 | Cellular Network Infrastructure | Feature | New    | Low      | Reference/Demo setup + documentation for use of OsmoBSC+OsmoBSCNAT with OSMUX                | pespin   | 06/08/2020 07:07 PM | Related to #2553,Related to #2552,Related to #2551,Related to #2554 |
| 1527 | OsmoPCU                         | Feature | New    | Low      | Set correct values of the puncturing scheme and the retransmission flag                      | pespin   | 02/08/2021 07:10 PM |   |
| 6356 | libosmo-sccp + libosmo-sigtran  | Bug     | New    | Normal   | DLGLOBAL ERROR Trying to dispatch event 17 to non-existent FSM instance! (osmo_ss7_as.c:118) | pespin   | 02/08/2024 10:27 PM |   |
| 6148 | OsmoDia2GSUP                    | Bug     | New    | Normal   | config file not installed not used by systemd service in debian                              | pespin   | 10/18/2023 03:21 PM |   |
| 6125 | OsmocomBB                       | Bug     | New    | Normal   | LLC GIA/GEA (auth/encryption) not yet tested   | pespin   | 08/28/2023 10:32 PM |   |
| 6118 | OsmoPCU                         | Bug     | New    | Normal   | osmo-pcu assigns multi-slot TBFs over PACCH to MS with unknown ms_class                      | pespin   | 09/22/2023 02:33 PM |   |
| 5398 | OsmoSGSN                        | Bug     | New    | Normal   | Null pointer access at "uctx" in ranap_iu_tx   | pespin   | 01/10/2022 01:14 PM |   |
| 5346 | libosmocore                     | Bug     | New    | Low      | osmo-release.sh doesn't work with %{sover} macro in spec.in                                  | pespin   | 12/09/2021 12:03 PM |   |
| 5309 | OsmoPCU                         | Bug     | New    | Normal   | osmo-pcu: Support rejecting multiple TBFs upon tx of Packet Access Reject                    | pespin   | 11/15/2021 06:29 PM |   |
| 5227 | OsmoPCU                         | Bug     | New    | Normal   | osmo-pcu: Attempt recovery of TBF when one of its assigned PDCH TS becomes disabled          | pespin   | 10/18/2021 10:12 AM |   |
| 5212 | OsmoPCU                         | Bug     | New    | Low      | apparently T3193 is by default not set to its defined default value                          | pespin   | 11/15/2021 07:13 PM |   |
| 5149 | OsmoPCU                         | Bug     | New    | Low      | osmo-pcu fails to allocate all DL-TBF possible slots under specific scenario                 | pespin   | 09/15/2021 09:49 AM |   |
| 5044 | OsmoMGW                         | Bug     | New    | Low      | potential null pointer dereferences  | pespin   | 02/24/2021 11:48 AM |   |
| 4446 | OsmoBTS                         | Bug     | New    | Low      | osmo-bts doesn't actually ever connect() its RTP/UDP sockets                                 | pespin   | 02/13/2021 05:37 PM | Related to #4446  |
| 4366 | OsmoTRX                         | Bug     | New    | Normal   | Create testsuite to test osmo-bts-trx+osmo-trx under high channel load (w/ RACH correlation) | pespin   | 01/15/2020 01:59 PM | Related to #4366  |
| 4364 | OsmoBTS                         | Bug     | New    | Normal   | osmo-bts-trx configured with 2 TRX and osmo-trx with 1 TRX -> bad behavior                   | pespin   | 07/06/2020 07:16 PM |   |
| 4161 | OsmoGGSN (former OpenGGSN)      | Bug     | New    | Normal   | Implement pdp idle timer   | pespin   | 08/20/2019 06:30 PM | Related to #4161  |
| 3929 | OsmoPCU                         | Bug     | New    | Normal   | Missing PCU_Tests.ttcn link adaptation tests   | pespin   | 06/17/2020 08:32 AM | Related to #3929  |
| 3740 | OsmoGSMTester                   | Bug     | New    | Low      | osmo-gsm-tester: Figure out best fix for iperf3m4.py where some MS fails to register         | pespin   | 03/31/2023 03:28 PM |   |
| 3622 | libosmo-abis                    | Bug     | New    | Normal   | Clear API mess in sign_link_up callback  | pespin   | 10/02/2018 07:34 PM |   |
| 3068 | OsmoGSMTester                   | Bug     | New    | Low      | osmo-gsm-tester: resource objects leaked or destroyed too late                               | pespin   | 03/31/2023 03:28 PM |   |
| 3061 | OsmoTRX                         | Bug     | New    | Normal   | OsmoTRX ARM chroot build jobs failing due to proot bug                                       | pespin   | 12/02/2019 04:54 PM | Related to #3766,Related to #4301                                   |
| 2692 | OsmoSGSN                        | Bug     | New    | Low      | HLR string in CDR and VTY is empty   | pespin   | 09/30/2018 11:39 AM |   |

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| 2675 | OsmoBTS                         | Bug     | New    | Low      | /usr/bin/lc15bts-mgr can't find GPS 3D fix to for calibration   | pespin   | 02/13/2018 03:34 PM |                  |
| 2674 | OsmoBTS                         | Bug     | New    | Low      | osmo-bts-sysmo GPRS failing if running without "-M"   | pespin   | 07/18/2019 06:08 AM |                  |
| 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 |
| 2433 | OsmoNITB                        | Bug     | New    | Low      | Drop MGCP_DUMMY_LOAD frames and use proper Osmux Dummy frames   | pespin   | 08/21/2017 02:23 PM |                  |
| 1532 | OsmoPCU                         | Bug     | New    | Low      | Increased number of poll timeouts on shared PDCHs   | pespin   | 02/08/2021 05:22 PM | Related to #1524 |
| 1528 | OsmoPCU                         | Bug     | New    | Low      | Find a real fix for EGPRS_AckNack_w_len_t decoding  | pespin   | 02/06/2021 01:04 PM |                  |
| 44   | OsmoSGSN                        | Bug     | New    | Normal   | TLLI clash possible   | pespin   | 02/06/2021 01:31 PM |                  |
| 6327 | Cellular Network Infrastructure | Feature | New    | Low      | Osmocom-build-tags-against-master job builds very basic configurations  | osmith   | 01/11/2024 08:17 PM |                  |
| 5279 | OsmoMGW                         | Feature | New    | Normal   | systemd service / unit for multiple osmo-mgw on one machine   | osmith   | 10/25/2021 11:41 AM |                  |
| 4109 | Cellular Network Infrastructure | Feature | New    | Low      | debian-repo-install-test: start a virtual MS and perform a LU   | osmith   | 11/29/2019 10:39 AM | Related to #4109 |
| 3872 | OsmoBSC                         | Feature | New    | Normal   | osmo_scu_prim.conn_id should be picked from a distinct number space for outgoing and incoming N-CONNECT                 | osmith   | 03/28/2019 08:06 PM | Blocks #3872     |
| 3636 | OsmoMSC                         | Feature | New    | Normal   | detailed call statistics (with rate counters)   | osmith   | 10/08/2018 11:14 AM | Related to #3636 |
| 3477 | Cellular Network Infrastructure | Feature | New    | Low      | add a wiki page explaining interconnection between components across several machines                                   | osmith   | 12/01/2019 09:29 AM |                  |
| 3386 | Cellular Network Infrastructure | Feature | New    | Low      | Generate man pages at build time from adoc files  | osmith   | 05/11/2023 11:24 AM | Precedes #3386   |
| 3165 | OsmoMSC                         | Feature | New    | Low      | Verify LU Request's LAI   | osmith   | 07/18/2019 05:48 AM | Related to #3164 |
| 2451 | Cellular Network Infrastructure | Feature | New    | Low      | Add static builds to jenkins jobs   | osmith   | 09/30/2018 08:18 AM |                  |
| 2356 | OsmoBTS                         | Feature | New    | Low      | have per-SAPI logging in OsmoBTS DL1P / DL1C  | osmith   | 03/19/2020 08:06 PM | Related to #2355 |
| 1558 | OsmoPCU                         | Feature | New    | Low      | Generate BSSGP LLC Discarded messages on TBF/MS free  | osmith   | 02/13/2021 05:44 PM | Related to #4847 |
| 6324 | OsmoBSC                         | Bug     | New    | Normal   | Making a data call results in BORKEN Ichans   | osmith   | 01/05/2024 09:04 PM |                  |
| 6295 | OsmoSGSN                        | Bug     | New    | Normal   | TMSI realloc complete leads to SecurityModeReject   | osmith   | 12/07/2023 03:15 PM |                  |
| 6232 | libosmocore                     | Bug     | New    | Normal   | jenkins should give all libosmocore config options a try  | osmith   | 10/22/2023 04:16 PM |                  |
| 6225 | rtl-sdr                         | Bug     | New    | Normal   | rtl-sdr release tarballs missing from <a href="https://ftp.osmocom.org/releases/">https://ftp.osmocom.org/releases/</a> | osmith   | 10/19/2023 09:46 AM |                  |
| 6188 | Cellular Network Infrastructure | Bug     | New    | Normal   | Osmocom manuals have "draft" in debian packages of released versions  | osmith   | 09/21/2023 04:37 PM |                  |
| 6149 | OsmoGSMTester                   | Bug     | New    | Normal   | osmo-gsm-tester gerrit verifications currently broken, not running in docker  | osmith   | 08/25/2023 09:13 AM |                  |
| 6122 | Cellular Network Infrastructure | Bug     | New    | Low      | remove big endian support   | osmith   | 10/18/2023 05:20 PM | Related to #6122 |

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| 5919 | Core testing infrastructure     | Bug     | New    | Low      | osmo-python-tests: Update/fix README or setup process  | osmith   | 03/20/2023 10:17 AM |                                   |
| 5899 | libosmo-sccp + libosmo-sigtran  | Bug     | New    | Low      | ttcn3-sccp-test-latest is actually running code from master, not latest  | osmith   | 03/20/2023 01:18 PM |                                   |
| 5887 | Cellular Network Infrastructure | Bug     | New    | Low      | coverity: build everything in docker container and add CI  | osmith   | 02/01/2023 10:25 AM |                                   |
| 5492 | OsmoBSCNAT                      | Bug     | New    | Normal   | Support MSC pooling  | osmith   | 04/11/2022 08:19 AM |                                   |
| 4834 | OsmocomBB                       | Bug     | New    | Normal   | package cp210x-program as part of network:osmocom:{nightly,latest}   | osmith   | 10/26/2020 06:01 PM |                                   |
| 4447 | OsmoMGW                         | Bug     | New    | Normal   | DSCP value should be a 6 bit field   | osmith   | 03/09/2020 04:50 PM | Related to #4447                  |
| 4163 | OsmoHLR                         | Bug     | New    | Normal   | Subscriber on demand: "Error while deleting subscriber data for IMSI" after changing network access mode from cs+ps back to none | osmith   | 08/22/2019 01:41 PM |                                   |
| 4069 | Cellular Network Infrastructure | Bug     | New    | Low      | Implement IPA PING/PONG mechanism everywhere   | osmith   | 02/06/2021 02:27 PM | Related to #4072                  |
| 3792 | OsmoBTS                         | Bug     | New    | Normal   | OsmoBTS doesn't include the "Starting Time" attribute in "Set BTS Attributes ACK"  | osmith   | 07/18/2019 06:05 AM |                                   |
| 3417 | Cellular Network Infrastructure | Bug     | New    | Normal   | show asciidoc counters does not show all the counters available  | osmith   | 12/01/2019 09:28 AM | Related to #3417,Related to #4848 |
| 3382 | Cellular Network Infrastructure | Bug     | New    | Low      | Investigate and fix lintian issues listed by Debian Lintian Report   | osmith   | 12/01/2019 09:27 AM |                                   |
| 3167 | Cellular Network Infrastructure | Bug     | New    | Low      | Build osmo-* master docker containers with address sanitizer   | osmith   | 07/18/2019 05:22 AM | Related to #3167                  |
| 3163 | OsmoMSC                         | Bug     | New    | Low      | RANAP: reject Level 3 Complete from cells with invalid LAI   | osmith   | 07/18/2019 05:47 AM | Related to #3162,Related to #3163 |
| 2959 | OsmoSGSN                        | Bug     | New    | Low      | OsmoSGSN puts bogus LAC/RAC in GTP Create PDP CTX ACT REQ  | osmith   | 09/30/2018 11:41 AM |                                   |
| 2899 | OsmoBSC                         | Bug     | New    | Low      | channel attributes are sent to BTS even for NONE channels  | osmith   | 09/30/2018 10:42 AM |                                   |
| 2895 | OsmoMSC                         | Bug     | New    | Normal   | OsmoMSC excessively uses LU Reject Cause 22 (congestion)   | osmith   | 07/18/2019 05:41 AM |                                   |
| 2877 | OsmoMSC                         | Bug     | New    | Normal   | OsmoMSC fails on bearer capability without octet 3a  | osmith   | 07/18/2019 05:45 AM |                                   |
| 2846 | OsmoMSC                         | Bug     | New    | Normal   | MSC doesn't close SCCP/BSSAP connection on CM SERV REQ tht cannot be parsed  | osmith   | 07/18/2019 05:44 AM |                                   |
| 2669 | OsmoMSC                         | Bug     | New    | Low      | osm-msc doesn't clean up BSC state   | osmith   | 09/30/2018 11:37 AM |                                   |
| 2571 | libosmo-abis                    | Bug     | New    | Low      | libosmo-abis API documentation missing (doxygen)   | osmith   | 02/06/2021 02:27 PM |                                   |
| 4621 | OsmoBSC                         | Support | New    | Normal   | feedback: osmo-bsc modifies the LAI in LU Accept messages, and the MM info data  | neels    | 02/06/2021 09:50 AM |                                   |
| 6319 | Osmo-CC                         | Feature | New    | Normal   | protocol version should have a defined end marker  | neels    | 01/10/2024 01:31 PM |                                   |
| 6085 | OsmoHNBGW                       | Feature | New    | Low      | context_map_sccp.c parrots states/events that the SCCP-SCOC FSM already handles  | neels    | 10/18/2023 03:31 PM |                                   |

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| 6051 | OsmoHNBGW                       | Feature | New    | Low      | misnomer in internal SCCP functions  | neels    | 07/06/2023 08:26 PM |                                   |
| 5904 | OsmoHNBGW                       | Feature | New    | Normal   | HNBAP Register Request handling does checks that seem to make no sense                           | neels    | 09/01/2023 05:00 AM |                                   |
| 4495 | IMSI Pseudonymization           | Feature | New    | Normal   | Specification: More references   | neels    | 05/27/2020 01:11 PM |                                   |
| 4494 | IMSI Pseudonymization           | Feature | New    | Normal   | Specification: Add bibliography  | neels    | 05/27/2020 01:11 PM |                                   |
| 4493 | IMSI Pseudonymization           | Feature | New    | Normal   | Specification: Cover 2G, 3G and 4G separately  | neels    | 05/27/2020 01:11 PM |                                   |
| 4010 | OsmoBSC                         | Feature | New    | Low      | Test RSL CHAN ACT related details for different scenarios  | neels    | 02/06/2021 10:04 AM | Related to #4010,Related to #4010 |
| 3714 | Cellular Network Infrastructure | Feature | New    | Low      | implement Internal Handover With MSC Support   | neels    | 02/06/2021 02:04 PM | Related to #3714                  |
| 3656 | OsmoBSC                         | Feature | New    | Normal   | inter-BSC handover outgoing: compose Cell Identifier List from several ARFCN+BSIC                | neels    | 06/08/2020 07:08 PM | Related to #3656                  |
| 3644 | OsmoHLR                         | Feature | New    | Normal   | allow arbitrary bytes in Global Title (GT), a.k.a. the VLR,SGSN's identification towards the HLR | neels    | 12/01/2019 10:02 AM | Related to #3644,Related to #3644 |
| 3586 | OsmoBSC                         | Feature | New    | Normal   | support LCLS for inter-BSC handover  | neels    | 01/17/2019 04:18 PM | Related to #3586,Related to #3659 |
| 3505 | OsmoBSC                         | Feature | New    | Normal   | ttn3: test inter-BSC HO with encryption enabled  | neels    | 08/28/2018 06:38 PM | Related to #3505                  |
| 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                  |
| 3069 | OsmoMSC                         | Feature | New    | Normal   | investigate multiple CM Service Request on the same conn   | neels    | 10/28/2020 08:36 PM | Is duplicate of #3069             |
| 2840 | OsmoHLR                         | Feature | New    | Low      | HLR should allow 2g-only or 3g-only subscribers  | neels    | 10/28/2020 09:22 PM |                                   |
| 2795 | OsmoMSC                         | Feature | New    | Normal   | Handle UTRAN_CLSM_CHG in MSC   | neels    | 04/30/2018 12:06 PM | Related to #3043                  |
| 2788 | OsmoMSC                         | Feature | New    | Normal   | OsmoMSC should handle CM Service Abort message   | neels    | 01/04/2018 10:37 AM |                                   |
| 2623 | Cellular Network Infrastructure | Feature | New    | High     | SCCP/M3UA: detect restart of osmo-msc and osmo-sgsn  | neels    | 02/07/2021 12:55 PM | Related to #3403,Related to #4701 |
| 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                  |
| 6431 | OsmoHNBGW                       | Bug     | New    | Normal   | (coverity) uninitialized asn.1 state / overwriting asn.1 state in HNBAP                          | neels    | 04/04/2024 11:08 PM |                                   |
| 6185 | Core testing infrastructure     | Bug     | New    | Normal   | Submit titan.ProtocolEmulations.SCCP patch upstream  | neels    | 09/20/2023 06:22 PM |                                   |
| 5876 | OsmoHNBGW                       | Bug     | New    | Normal   | on HNBAP HNB Register, clear previous UE state if any  | neels    | 03/20/2023 01:27 PM |                                   |
| 5197 | OsmoMSC                         | Bug     | New    | Normal   | msc_i Unimplemented msg type: HANDOVER PERFORMED   | neels    | 08/23/2022 04:05 PM |                                   |
| 5196 | OsmoMSC                         | Bug     | New    | Normal   | Verify several "event not permitted" log lines in unit tests                                     | neels    | 08/23/2022 04:08 PM |                                   |

| #    | Project                                  | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                                     |
|------|--|---------|--------|----------|---|----------|---------------------|--|
| 5188 | Cellular Network Infrastructure          | Bug     | New    | Normal   | BSSMAP Cell Identifier IE vs. Cell Identifier List IE: difference in allowed cell id types  | neels    | 08/23/2022 04:24 PM |  |
| 5177 | osmo-sip-connector                       | Bug     | New    | Normal   | respect dynamic RTP payload types of external SIP   | neels    | 08/23/2022 04:26 PM | Related to #5177,Related to #5177                  |
| 4883 | Cellular Network Infrastructure          | Bug     | New    | Normal   | update OsmoNITB migration guide   | neels    | 12/01/2020 08:32 AM |  |
| 4784 | OsmoMSC                                  | Bug     | New    | Normal   | wrong cause code (resources unavailable) in MO-to-MT call without response  | neels    | 10/08/2020 02:35 PM |  |
| 4560 | OsmoBSC                                  | Bug     | New    | Normal   | inter-BSC HO: target cell fails when there is no TCH, only dynamic TCH/F_PDCH timeslots   | neels    | 05/20/2020 09:00 PM |  |
| 4004 | OsmoMSC                                  | Bug     | New    | Low      | lu_fsm_priv.rej_cause is never used   | neels    | 11/21/2023 02:37 AM |  |
| 3841 | OsmoBSC                                  | Bug     | New    | Low      | cosmetic: tearing down the old lchan after inter-BSC handover always goes through RELEASE_AFTER_ERROR (instead of normal release)   | neels    | 05/08/2019 05:43 PM |  |
| 3125 | OsmoMSC                                  | Bug     | New    | Low      | testcase for fixed "osmo-msc crashes while handling a call"   | neels    | 06/23/2018 07:26 PM | Related to #3122,Related to #2880                  |
| 3110 | OsmoMSC                                  | Bug     | New    | Normal   | Test and possibly fix ID Request after Auth failure   | neels    | 09/30/2018 11:36 AM |  |
| 3002 | OsmoBSC                                  | Bug     | New    | Normal   | HO2: handover decision for dynamic timeslots  | neels    | 10/28/2020 08:46 PM | Related to #1606,Related to #1608,Blocks #3002     |
| 2964 | OsmoBSC                                  | Bug     | New    | Low      | handover_decision_2: measurement report number compared to lchan->meas_rep_last_seen_nr often overflows to zero (255 range) and hence an old report may be seen as new every once per 255 cycle | neels    | 12/16/2019 03:02 PM | Related to #1606                                   |
| 2013 | libosmo-sccp + libosmo-sigtran           | Bug     | New    | Low      | OAP (Osmo Auth Protocol) missing from IPA support in libosmo-sigtran  | neels    | 09/16/2018 10:35 AM | Related to #1843,Related to #2013,Related to #2554 |
| 5002 | M.2 (NGFF) WWAN modem USB breakout board | Feature | New    | Normal   | Ensure current return paths via M.2 connector are sufficient  | mschramm | 03/23/2021 06:48 PM |  |
| 4810 | osmo-clock-conv                          | Feature | New    | Normal   | horizontal DC input on rear side of PCB   | mschramm | 10/15/2020 10:53 PM |  |
| 4678 | osmo-clock-gen                           | Feature | New    | Low      | Increase mounting hole size to support M3 screws  | mschramm | 07/25/2020 08:43 PM |  |
| 3711 | SIMtrace 2                               | Feature | New    | Normal   | Add screw holes for permanent installations   | mschramm | 11/01/2023 08:28 PM |  |
| 1457 | SIMtrace 2                               | Feature | New    | Low      | Spacing between JTAG and JP1/JP2  | mschramm | 09/13/2018 07:07 PM |  |
| 4814 | osmo-clock-gen                           | Bug     | New    | Low      | alignment of DC barrel with face plate  | mschramm | 10/16/2020 05:30 PM | Related to #4814                                   |
| 4118 | SIMtrace 2                               | Bug     | New    | Normal   | VCC_PHONE strong pull on SIMtrace board   | mschramm | 02/01/2023 12:16 PM | Related to #4118,Related to #4118                  |

| #    | Project  | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|--|---------|--------|----------|--|----------|---------------------|------------------|
| 6192 | OP25   | Bug     | New    | Normal   | Unable to host behind NGINX reverse proxy  | max      | 09/27/2023 01:56 AM |                  |
| 4593 | OP25   | Support | New    | Normal   | Link to samples on the wiki is dead  | matt     | 06/07/2020 06:53 PM |                  |
| 5730 | OsmoMGW  | Feature | New    | Low      | Fax over GSM support   | manawyrm | 10/16/2023 08:53 PM | Precedes #5730   |
| 6282 | OCTOI - Osmocom Community TDM over IP          | Bug     | New    | Normal   | high BERT from laforge->divf->manawyrm   | manawyrm | 12/03/2023 04:03 PM | Related to #6282 |
| 6137 | OsmoHNBGW                                      | Feature | New    | Normal   | ip.access Nano3G   | lynxis   | 10/21/2023 07:24 PM |                  |
| 5758 | OsmoDia2GSUP                                   | Feature | New    | Normal   | bring osmo_dia2gsup to production quality  | lynxis   | 03/30/2023 08:13 PM |                  |
| 5507 | libosmocore                                    | Feature | New    | Normal   | Optimize reset time after SGSN is restarted  | lynxis   | 03/31/2022 12:33 PM |                  |
| 6366 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | New    | Normal   | strongswan: test if gsup_client will resend old requests on reconnect                                  | lynxis   | 02/18/2024 09:16 PM | Related to #6366 |
| 6365 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | New    | Normal   | strongswan: get the PDP type out of the IKE_AUTH/CFG_REQUEST   | lynxis   | 02/23/2024 03:29 AM |                  |
| 6363 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | New    | Normal   | strongswan: Catch IKEv2 disconnects  | lynxis   | 02/17/2024 01:21 AM |                  |
| 6215 | Cellular Network Infrastructure                | Bug     | New    | Normal   | Rebase open5gs pcrf_simple patches and submit upstream   | lynxis   | 10/18/2023 02:53 PM |                  |
| 6158 | OsmoHNBGW                                      | Bug     | New    | Normal   | IMSI not shown in "show ue all"  | lynxis   | 08/29/2023 03:11 PM |                  |
| 5744 | OsmoBSC  | Bug     | New    | Low      | sysmobts: when a BTS is rf_locked and doesn't support BTS_FEAT_MULTI_TSC the OML connection is dropped | lynxis   | 11/23/2022 11:14 PM |                  |
| 5716 | libosmocore                                    | Bug     | New    | Normal   | Replace dynamic (DEAD) NSE if we receive an NS_RESET from a conflicting NSVC                           | lynxis   | 10/17/2022 04:40 PM |                  |
| 5415 | SIMtrace 2                                     | Bug     | New    | Normal   | cardem: watchdog triggers firmware reset   | lynxis   | 02/15/2022 08:07 PM |                  |
| 5277 | libosmocore                                    | Bug     | New    | Normal   | ns2: Allow SNS-CONFIG PDUs from unknown endpoints during config procedure                              | lynxis   | 10/22/2021 02:28 PM |                  |
| 5229 | libosmocore                                    | Bug     | New    | Low      | SNS Size with max_nsvcs = 1 results in a valid config even 2 binds a configured                        | lynxis   | 09/05/2021 08:18 PM |                  |
| 5179 | libosmocore                                    | Bug     | New    | Normal   | gprs_ns2: use refcounting for the NSE  | lynxis   | 06/13/2021 03:08 AM |                  |
| 5016 | libosmocore                                    | Bug     | New    | Low      | ns2: what happens when a dynamic NSE is present, but the user tries to configure it via vty            | lynxis   | 03/29/2021 09:17 PM |                  |
| 4768 | OsmoBSC  | Bug     | New    | Normal   | pcu interface: add missing field ts, trx on rach indication  | lynxis   | 09/30/2020 08:10 PM |                  |
| 4605 | OsmoSGSN                                       | Bug     | New    | High     | GMM_ATTACH_REQ_FSM: Event E_AUTH_RESP_RECV_SUCCESS not permitted                                       | lynxis   | 06/13/2020 06:16 PM | Related to #4605 |



| #    | Project                               | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues  |
|------|---------------------------------------|---------|--------|----------|--|----------|---------------------|---|
| 4604 | OsmoSGSN                              | Bug     | New    | Normal   | Lots of "Unusual event"  | lynxis   | 06/13/2020 06:19 PM | Related to #4604,Related to #4604,Related to #4604,Related to #4604 |
| 3567 | Cellular Network Infrastructure       | Bug     | New    | Low      | coverity: move the secret token out of \$HOME/osmo-ci/.../               | lynxis   | 07/18/2019 05:22 AM |   |
| 3403 | OsmoSGSN                              | Bug     | New    | Normal   | osmo-sgsn doesn not connect properly with via SCCP when restarted        | lynxis   | 02/07/2021 12:57 PM | Related to #3403  |
| 2955 | OsmoSGSN                              | Bug     | New    | High     | No GMM ATTACH REJECT on GSUP UpdateLocation Error                        | lynxis   | 09/10/2019 07:39 PM |   |
| 2189 | OsmoGSMTester                         | Bug     | New    | Normal   | ofono: EC20: cannot send SMS   | lynxis   | 11/28/2017 04:21 PM |   |
| 6193 | Retronetworking                       | Support | New    | Low      | Replace "event rack" PM3 power supply                                    | laforge  | 09/27/2023 12:19 PM |   |
| 6246 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | co-locate cisco 2811 for FrameRelay and X.25                             | laforge  | 11/06/2023 01:48 PM |   |
| 6245 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | co-locate cisco 2811 ITP/STP in data center                              | laforge  | 11/06/2023 01:46 PM |   |
| 6244 | Retronetworking                       | Feature | New    | Low      | scan more/all EWS(O) documentation laforge has                           | laforge  | 11/01/2023 09:50 PM |   |
| 6237 | Retronetworking                       | Feature | New    | Low      | Design + Build PCBA for NE555 based fake fan rpm sensor                  | laforge  | 10/30/2023 01:38 AM |   |
| 6219 | Retronetworking                       | Feature | New    | Normal   | Publish pics/videos for EWSD rescue/move                                 | laforge  | 10/17/2023 02:10 PM |   |
| 6218 | Retronetworking                       | Feature | New    | Normal   | write article/report on EWSD rescue for IGHFT / Fernmeldemuseum Dresden  | laforge  | 10/17/2023 02:11 PM |   |
| 6195 | Retronetworking                       | Feature | New    | Low      | Wiki page on Cisco *WIC-* line cards for 26xx/28xx series                | laforge  | 10/08/2023 07:33 AM |   |
| 6194 | Retronetworking                       | Feature | New    | Low      | wiki page on MultiTech MT5600-BL   | laforge  | 09/27/2023 12:46 PM |   |
| 6086 | pySim                                 | Feature | New    | Low      | implement features of sysmo-{usim, isim}-tool                            | laforge  | 07/13/2023 04:09 AM |   |
| 5947 | Retrocomputing                        | Feature | New    | Low      | Assemble PC104-SVGA  | laforge  | 03/15/2023 09:29 AM |   |
| 5940 | Retrocomputing                        | Feature | New    | Low      | Assemble LPT_Capture   | laforge  | 03/15/2023 09:06 AM |   |
| 5936 | Retrocomputing                        | Feature | New    | Low      | Assemble netpi-ide   | laforge  | 03/02/2023 09:25 PM |   |
| 5932 | Retrocomputing                        | Feature | New    | Low      | assemble ISA-USB   | laforge  | 03/02/2023 09:25 PM |   |
| 5885 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | set up a second GPS03 + icE1usb setup                                    | laforge  | 01/31/2023 08:05 PM | Related to #5885  |
| 5855 | Retronetworking                       | Feature | New    | Normal   | Establishing a German non-profit for retronetworking                     | laforge  | 01/13/2023 11:59 AM |   |
| 5633 | osmo-clock-gen                        | Feature | New    | Normal   | towards a first osmo-clock-gen production batch                          | laforge  | 07/26/2022 12:39 PM |   |
| 5614 | osmo-remsim                           | Feature | New    | Normal   | log also application-level errors  | laforge  | 07/11/2022 08:09 PM |   |
| 5481 | Open Source IMS Client                | Feature | New    | Urgent   | SIM card interface for doubango  | laforge  | 03/25/2022 11:00 AM | Related to #5482  |
| 5466 | OsmocomBB                             | Feature | New    | Normal   | CP2102N evaluation for burst_ind baudrate                                | laforge  | 02/22/2022 07:17 PM |   |
| 5442 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Normal   | ensure sequence number covers longer duration than default PRI LOS timer | laforge  | 02/06/2022 08:16 AM |   |

| #    | Project                               | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                                 |
|------|---------------------------------------|---------|--------|----------|--|----------|---------------------|--|
| 5437 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | brainstorm about making protocol even more efficient                                 | laforge  | 01/30/2022 01:45 PM |  |
| 5436 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | BRI variant of OCTOI protocol  | laforge  | 01/30/2023 06:49 PM | Related to #5436                               |
| 5429 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Normal   | authentication in TDMoIP protocol  | laforge  | 11/07/2022 05:29 PM |  |
| 5403 | OsmoMSC                               | Feature | New    | Normal   | Can't connect Call from 2G to 4G network   | laforge  | 01/14/2022 10:41 PM |  |
| 5268 | pySim                                 | Feature | New    | Normal   | pySim-shell: GlobalPlatform SCP02 support  | laforge  | 10/14/2021 07:12 PM | Related to #5268                               |
| 5127 | pySim                                 | Feature | New    | Normal   | tool for "re-formatting" [sysmocom] cards in tester                                  | laforge  | 10/14/2021 07:16 PM | Related to #5127                               |
| 4944 | OsmoCBC                               | Feature | New    | Low      | 3G SABP support in OsmoCBC   | laforge  | 01/13/2021 09:13 AM | Related to #4944,Related to #4944              |
| 4809 | osmo-clock-conv                       | Feature | New    | Low      | alignment of DC barrel with face plate   | laforge  | 10/16/2020 05:29 PM | Related to #4814                               |
| 4650 | OsmoBSC                               | Feature | New    | Normal   | Add BIG FAT error message in case OM2000 BTS fail to start up                        | laforge  | 07/04/2020 07:30 PM |  |
| 4608 | libosmo-sccp + libosmo-sigtran        | Feature | New    | Low      | "action" commands to interactively shutdown/re-enable/restart sigtran connections    | laforge  | 06/10/2020 01:12 PM |  |
| 4521 | osmo-gbproxy                          | Feature | New    | Normal   | gbproxy: Redundancy between NS-VCs (SGSN Side)                                       | laforge  | 01/19/2021 05:24 PM | Related to #4959                               |
| 4498 | osmo-uecups                           | Feature | New    | Normal   | IPv6 neighbor discovery  | laforge  | 04/17/2020 08:33 AM |  |
| 4496 | osmo-uecups                           | Feature | New    | Low      | implement filters for sharing as single tun device between multiple bearers          | laforge  | 04/17/2020 08:31 AM |  |
| 4341 | BBS-Revival                           | Feature | New    | Normal   | setup for telnet access to legacy BBS software which doesn't have telnet/tcp support | laforge  | 10/03/2022 12:09 PM |  |
| 4249 | osmo-remsim                           | Feature | New    | Normal   | ability to explicitly provision an "empty SIM card slot" to a modem                  | laforge  | 09/08/2021 07:48 PM | Related to #5216                               |
| 4105 | libosmocore                           | Feature | New    | Normal   | Support for LTE key derivation functions   | laforge  | 07/13/2019 02:07 AM | Related to #4105                               |
| 3977 | OsmoCBC                               | Feature | New    | High     | SABP stream delineation routines   | laforge  | 09/23/2019 04:49 AM | Related to #3979,Related to #4944              |
| 3887 | osmo-remsim                           | Feature | New    | Low      | remsim-client: allow for local handling of APDUs                                     | laforge  | 12/03/2019 12:20 AM |  |
| 3886 | osmo-remsim                           | Feature | New    | Normal   | expose ICCID or even IMSI of all cards on remsim-server                              | laforge  | 05/08/2019 03:31 PM | Precedes #3886                                 |
| 3885 | osmo-remsim                           | Feature | New    | Normal   | remsim-server should expose status information                                       | laforge  | 04/01/2019 07:23 PM | Precedes #3885                                 |
| 3884 | osmo-remsim                           | Feature | New    | Normal   | redesign bankd thread architecture   | laforge  | 05/08/2019 03:31 PM | Related to #5527,Precedes #3885,Precedes #3886 |
| 3371 | SIMtrace 2                            | Feature | New    | Normal   | migrate to use arm-none-eabi build of libosmocore.git                                | laforge  | 08/09/2018 12:14 PM |  |
| 2724 | OsmoBSC                               | Feature | New    | Normal   | Improve default timers   | laforge  | 01/04/2018 11:06 AM | Related to #2724                               |
| 2601 | libosmo-sccp + libosmo-sigtran        | Feature | New    | Low      | osmo-msc still needs libosmo-sccp-dev for SCCP CAUSE definitions                     | laforge  | 02/13/2021 06:07 PM |  |

| #    | Project  | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|--|---------|--------|----------|--|----------|---------------------|-----------------------------------|
| 2394 | OsmoHNBGW  | Feature | New    | Low      | Implement SABP (Service Area Broadcast Protocol)   | laforge  | 12/30/2020 01:19 AM | Related to #2392,Related to #3979 |
| 1975 | Cellular Network Infrastructure                        | Feature | New    | Low      | Redesigned configuration management / MIB  | laforge  | 02/16/2021 05:59 PM |                                   |
| 1908 | osmo-qcdiag  | Feature | New    | Normal   | add VTY interface to osmo-qcdiag   | laforge  | 01/12/2017 01:15 PM |                                   |
| 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                  |
| 1460 | SIMtrace 2   | Feature | New    | Normal   | include some version information / negotiation in the USB protocol                                     | laforge  | 12/06/2019 01:39 PM | Related to #1461,Related to #4041 |
| 6415 | E1/T1 Hardware Interface (including icE1usb)           | Bug     | New    | Low      | osmo_panic after truncated packet  | laforge  | 03/22/2024 06:54 PM |                                   |
| 6340 | pySim  | Bug     | New    | Low      | exception when using osmo-smdpp with python 3.9  | laforge  | 02/15/2024 09:29 PM |                                   |
| 6291 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Bug     | New    | Normal   | 2024 event bringing together FOSS projects related to mobile communications                            | laforge  | 12/13/2023 08:54 PM |                                   |
| 6274 | OCTOI - Osmocom Community TDM over IP                  | Bug     | New    | Low      | yate is eating 260% CPU while doing nothing  | laforge  | 11/25/2023 02:31 PM |                                   |
| 6169 | osmo-e1d   | Bug     | New    | High     | Frame masking against network frame ordering, not frame numbers  | laforge  | 10/18/2023 03:19 PM |                                   |
| 5891 | osmo-remsim  | Bug     | New    | Normal   | bankd: potential pthread deadlock reported by coverity   | laforge  | 02/03/2023 07:35 PM |                                   |
| 5681 | Retronetworking  | Bug     | New    | Normal   | Figure out suitable connectors for EKSOS   | laforge  | 07/31/2023 10:22 AM |                                   |
| 5386 | osmo-e1d   | Bug     | New    | Low      | stop watchdog when LOS is present  | laforge  | 01/05/2022 08:38 PM |                                   |
| 5378 | erlang/osmo_ss7  | Bug     | New    | Normal   | ipa: add support for client application  | laforge  | 01/05/2022 08:36 PM |                                   |
| 4683 | OsmoBSC  | Bug     | New    | Normal   | properly report OM2000 bring-up problems   | laforge  | 07/30/2020 06:50 AM | Related to #4683,Related to #6378 |
| 4649 | OsmoBSC  | Bug     | New    | Low      | OM2K SI5ter: abis_rsl.c:1237 (bts=0,trx=0) ERROR REPORT (cause=Service or Option not available [ 3f ]) | laforge  | 07/04/2020 07:13 PM |                                   |
| 4645 | OsmoBSC  | Bug     | New    | Normal   | OM2K: "Sequence Error" due to too early initialization of RSL during BTS start                         | laforge  | 07/04/2020 07:24 PM |                                   |
| 4578 | Cellular Network Infrastructure                        | Bug     | New    | High     | Updated slides / presentations / videos on setting up Osmocom CNI                                      | laforge  | 02/13/2021 05:35 PM |                                   |
| 4469 | OsmoTRX  | Bug     | New    | Normal   | osmo-trx-uhd is sending UDP packets to port 49600 at various addresses on startup                      | laforge  | 06/13/2020 06:07 PM |                                   |
| 4440 | OsmoBTS  | Bug     | New    | Normal   | osmo_bts_virtual doesn't detect if mobile/virtphy is gone  | laforge  | 03/07/2020 03:44 PM |                                   |
| 4430 | SIMtrace 2   | Bug     | New    | Normal   | firmware can get in endless out-of-memory loop on OUT EP flood   | laforge  | 11/14/2022 11:46 PM |                                   |
| 4354 | OsmocomBB  | Bug     | New    | Low      | update wiki about GTM-900B compatibility   | laforge  | 09/30/2020 11:38 PM |                                   |

| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee      | Updated             | Related issues  |
|------|---------------------------------|---------|--------|----------|--|---------------|---------------------|---|
| 4149 | libosmocore                     | Bug     | New    | Normal   | osmo_fsm allows event names to have spaces in them   | laforge       | 01/25/2022 09:53 AM |   |
| 4104 | libosmocore                     | Bug     | New    | Normal   | support for KASME generation   | laforge       | 07/12/2019 10:15 AM | Related to #4105  |
| 4041 | SIMtrace 2                      | Bug     | New    | Normal   | implement SIMTRACE_CMD_BD_BOARD_INFO   | laforge       | 12/06/2019 01:38 PM | Related to #4041  |
| 3712 | SIMtrace 2                      | Bug     | New    | Low      | TRACE_FATAL not printing   | laforge       | 04/06/2021 01:28 AM |   |
| 3192 | Cellular Network Infrastructure | Bug     | New    | Low      | meas_vis: use the lchan identity as primary key, not the IMSI  | laforge       | 12/01/2019 09:20 AM | Related to #3192,Related to #3192                                   |
| 3020 | OsmoBSC                         | Bug     | New    | Normal   | OsmoBSC PCU socket interface not yet tested by BSC_Tests.ttcn  | laforge       | 05/21/2019 06:29 PM |   |
| 2383 | OsmoPCU                         | Bug     | New    | Normal   | incompatibility with some SGSNs during P-TMSI allocation   | laforge       | 07/04/2018 12:50 PM |   |
| 2259 | libosmo-sccp + libosmo-sigtran  | Bug     | New    | Normal   | problem with local reference   | laforge       | 07/19/2017 04:25 PM |   |
| 1762 | libosmocore                     | Bug     | New    | Normal   | Review LAPD code for race conditions regarding state, particularly in RELEASE                            | laforge       | 03/24/2021 12:37 PM | Related to #1760,Related to #1761,Related to #1982,Related to #2694 |
| 5833 | OsmoPCU                         | Feature | New    | Low      | A "meas-feed" for osmo-pcu   | keith         | 12/18/2022 06:42 PM |   |
| 5740 | OsmoBSC                         | Feature | New    | Low      | Disallow unworkable AMR modes.   | keith         | 11/08/2022 05:15 PM |   |
| 6436 | OsmoPCU                         | Bug     | New    | High     | high cpu usage, entire BTS unresponsive after some hours   | keith         | 04/13/2024 04:32 PM |   |
| 6378 | OsmoBSC                         | Bug     | New    | Low      | Ericsson DUG 20 rejects SI2quarter   | keith         | 03/10/2024 06:38 PM | Related to #6378  |
| 5986 | OsmoBSC                         | Bug     | New    | Normal   | PAGING impossible until CCCH LOAD IND is received from the BTS   | keith         | 03/31/2023 09:13 AM |   |
| 5491 | OsmoMSC                         | Bug     | New    | Low      | MT CSFB calls fail (only) first time after Airplane mode toggle (probably on first attach to EUTRAN too) | keith         | 03/19/2022 09:37 PM |   |
| 5246 | OsmoBSC                         | Bug     | New    | Low      | sigsegev in bts_count_free_ts()  | keith         | 10/03/2021 08:08 PM | Related to #5324  |
| 5143 | Osmocom Analog                  | Feature | New    | Low      | Using ADALM PLUTO SDR with osmocom-analog  | jolly         | 05/05/2021 05:01 PM |   |
| 4971 | Osmocom Analog                  | Feature | New    | Low      | OsmoCC Socket Documentation  | jolly         | 10/18/2023 02:49 PM |   |
| 3672 | Osmocom Analog                  | Feature | New    | Normal   | Custom announcement and tones  | jolly         | 02/01/2021 10:25 AM |   |
| 6060 | OsmoMGW                         | Bug     | New    | Low      | osmo-mgw: Implement MGCP RestartInProgress (RSIP)  | jolly         | 10/18/2023 04:59 PM |   |
| 5991 | OsmoBSC                         | Bug     | New    | Normal   | Forward TSNS-PROV bsc->[bts->]pcu  | jolly         | 12/17/2023 12:59 PM | Related to #5991  |
| 5957 | OsmoBTS                         | Bug     | New    | Low      | not all osmo-bts variants respond to abisip-find   | jolly         | 03/22/2023 09:20 AM |   |
| 5915 | libosmocore                     | Bug     | New    | Low      | gprs: ns2: convert timers into osmo-timers   | jolly         | 12/17/2023 12:59 PM | Related to #5915  |
| 5247 | Osmocom Analog                  | Bug     | New    | Normal   | AMPS Segmentation fault  | jolly         | 10/04/2021 11:48 PM |   |
| 5805 | SIMtrace 2                      | Feature | New    | Normal   | SIM Trace 2 Build for Windows  | jelson_simEng | 04/02/2023 09:56 AM |   |
| 3747 | UmTRX                           | Feature | New    | Normal   | LMS6002D RX Gain Control   | ipse          | 01/08/2019 09:46 AM |   |
| 1510 | UmTRX                           | Feature | New    | High     | Complete UHD integration   | ipse          | 02/21/2016 04:47 PM |   |
| 1509 | UmTRX                           | Feature | New    | Normal   | Store calibration values in EEPROM   | ipse          | 02/21/2016 04:47 PM |   |

| #    | Project                        | Tracker | Status | Priority | Subject  | Assignee  | Updated             | Related issues                |
|------|--------------------------------|---------|--------|----------|--|-----------|---------------------|-------------------------------|
| 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 |                               |
| 1506 | UmTRX                          | Feature | New    | Normal   | Move to the latest stable UHD  | ipse      | 02/21/2016 04:47 PM |                               |
| 3512 | gr-osmosdr                     | Support | New    | Normal   | Bug #3462 on Arch Linux; gr-osmosdr install fails  | horiz0n   | 01/26/2019 06:10 PM |                               |
| 3802 | gr-osmosdr                     | Feature | New    | Normal   | New release  | horiz0n   | 02/15/2019 07:22 AM |                               |
| 3597 | gr-osmosdr                     | Feature | New    | Low      | rtl: send final samples when device is lost  | horiz0n   | 07/18/2019 05:35 AM |                               |
| 3414 | gr-osmosdr                     | Feature | New    | Normal   | Include Airspy serial number in connection string.   | horiz0n   | 07/24/2018 04:52 AM |                               |
| 6443 | gr-osmosdr                     | Bug     | New    | Normal   | RF gain: erroneously using 14  | horiz0n   | 04/27/2024 06:21 PM |                               |
| 5144 | gr-osmosdr                     | Bug     | New    | High     | Support multiple Airspy devices  | horiz0n   | 10/21/2023 07:22 PM |                               |
| 4098 | gr-osmosdr                     | Bug     | New    | Normal   | [BladeRF micro] Arguments set in osmocom Sink and Source are not passed to libbladerf                      | horiz0n   | 07/18/2019 05:35 AM |                               |
| 3882 | gr-osmosdr                     | Bug     | New    | Normal   | Cannot compile gr-osmosdr!   | horiz0n   | 07/18/2019 05:35 AM |                               |
| 3855 | gr-osmosdr                     | Bug     | New    | Normal   | Cannot build gr-osmosdr with Gnuradio 3.8  | horiz0n   | 07/13/2020 10:05 PM |                               |
| 3593 | gr-osmosdr                     | Bug     | New    | Low      | rtl: 'len' argument ignored in librtlsdr callback  | horiz0n   | 07/18/2019 05:35 AM |                               |
| 3592 | gr-osmosdr                     | Bug     | New    | Normal   | rtl: Race Conditions   | horiz0n   | 07/18/2019 05:35 AM |                               |
| 3462 | gr-osmosdr                     | Bug     | New    | Normal   | gr-osmosdr installation bladerf conversion errors  | horiz0n   | 07/18/2019 05:35 AM |                               |
| 5859 | OsmoTRX                        | Feature | New    | Normal   | remove non-neon and non-sse support  | Hoernchen | 01/16/2023 10:17 PM |                               |
| 5228 | OsmoTRX                        | Feature | New    | Low      | osmo-trx: Missing unit tests for computeCI() and computeEdgeCI()   | Hoernchen | 11/07/2022 06:23 PM |                               |
| 6200 | OsmocomBB                      | Bug     | New    | High     | osmo-trx-ms: lots of @Received bad frame (rc=-1, ber=444/444)@   | Hoernchen | 10/05/2023 06:02 PM | Related to #6342,Blocks #6200 |
| 6021 | libosmocore                    | Bug     | New    | Low      | map file breaks recent lld builds  | Hoernchen | 05/04/2023 05:49 AM |                               |
| 5574 | OsmoBSCNAT                     | Bug     | New    | Urgent   | OsmoBSCNAT testsuite running in jenkins  | Hoernchen | 10/06/2022 11:46 AM | Related to #5574              |
| 5178 | OsmoTRX                        | Bug     | New    | Normal   | LimeNET Micro clock error  | Hoernchen | 09/15/2021 09:42 AM |                               |
| 5057 | OsmoMSC                        | Bug     | New    | High     | Can only send a maximum of 15 SMPP messages?   | Hoernchen | 09/15/2021 09:53 AM |                               |
| 4781 | osmo-qcdiag                    | Bug     | New    | High     | get hoernchen/gsmstap branch merged  | Hoernchen | 10/06/2020 03:18 PM |                               |
| 4777 | osmo-ccid-firmware             | Bug     | New    | Normal   | Reader does not answer to GET DATA RATES command   | Hoernchen | 10/14/2020 02:36 PM |                               |
| 4776 | osmo-ccid-firmware             | Bug     | New    | Normal   | Reader does not answer to GET CLOCK FREQUENCIES command  | Hoernchen | 10/03/2020 07:31 PM |                               |
| 4622 | OsmoTRX                        | Bug     | New    | High     | Lots of "dumping STALE burst in TRX->SDR interface" messages in osmo-trx after osmo-bts-trx proper restart | Hoernchen | 07/06/2020 11:57 AM |                               |
| 4072 | libosmo-sccp + libosmo-sigtran | Bug     | New    | Normal   | Implement IPA PING/PONG mechanism in libosmo-sigtran +   | Hoernchen | 06/21/2019 02:51 PM | Related to #4072              |
| 3815 | SIMtrace 2                     | Bug     | New    | Normal   | simtrace2 fails USB-IF CH9 test  | Hoernchen | 05/12/2020 07:24 PM |                               |
| 6132 | OsmocomBB                      | Feature | New    | Normal   | Add MS_GPRS_Tests to osmo-ttcn3-hacks  | fixeria   | 10/04/2023 10:29 PM | Related to #6132              |
| 5283 | OsmoTRX                        | Feature | New    | Normal   | Implement TRXDv2 support   | fixeria   | 10/27/2021 10:35 PM | Related to #5283              |

| #    | Project                         | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|---------------------------------|---------|--------|----------|---|----------|---------------------|------------------|
| 5025 | OsmoBTS                         | Feature | New    | Normal   | Missing TTCN-3 coverage for the Timing Advance loop   | fixeria  | 07/02/2021 04:28 PM |                  |
| 3666 | OsmocomBB                       | Feature | New    | Normal   | trxcon: Introduce VTY interface   | fixeria  | 02/26/2020 02:43 PM | Related to #3667 |
| 3628 | Cellular Network Infrastructure | Feature | New    | Low      | document nanoBTS calibration procedure using ipaccess-config tool   | fixeria  | 02/06/2021 02:03 PM | Related to #3628 |
| 3522 | libosmocore                     | Feature | New    | Low      | libosmocoding: move TCH ordering functions to libosmocodec and share them                                     | fixeria  | 09/04/2018 08:49 PM |                  |
| 3521 | libosmocore                     | Feature | New    | Normal   | core/utills: engineering notation helpers   | fixeria  | 09/04/2018 08:32 PM |                  |
| 1568 | OsmoBTS                         | Feature | New    | Low      | Move various code bits to libosmocore   | fixeria  | 07/18/2019 06:08 AM |                  |
| 6019 | OsmoBSC                         | Bug     | New    | Normal   | "PCU version PCU socket has LOST connection connected"  | fixeria  | 10/18/2023 05:42 PM |                  |
| 5952 | OsmoBTS                         | Bug     | New    | Normal   | ttn3-bts-test: TC_ho_physical_info fails  | fixeria  | 11/15/2023 08:23 AM |                  |
| 5878 | pySim                           | Bug     | New    | Normal   | pySim shell: version fails with DistributionNotFound  | fixeria  | 10/06/2023 09:03 AM |                  |
| 5749 | Cellular Network Infrastructure | Bug     | New    | Normal   | configure.ac: default CFLAGS, LT_INIT adds "-g -O2"   | fixeria  | 01/31/2023 08:12 PM |                  |
| 5570 | libosmocore                     | Bug     | New    | Normal   | coding: decode in-band data in AMR's special DTX frames (SID_FIRST, SID_UPDATE, SID_ONSET)                    | fixeria  | 05/24/2022 08:34 AM | Related to #5570 |
| 5517 | OsmoBTS                         | Bug     | New    | Normal   | ttn3-bts-test: new sporadic test case failures  | fixeria  | 03/20/2023 11:45 PM |                  |
| 5340 | OsmoMSC                         | Bug     | New    | Normal   | ttn3-msc-test: more memory leaks  | fixeria  | 05/15/2022 04:47 PM |                  |
| 4993 | libosmocore                     | Bug     | New    | Low      | gsm_septets2octets: warning: use of NULL 'rdata' where non-null expected [CWE-690] [-Wanalyzer-null-argument] | fixeria  | 01/29/2021 08:49 PM |                  |
| 4565 | OsmoHLR                         | Bug     | New    | Normal   | TTCN-3 testsuite: mDNS_UDP: maximum number of open file descriptors is greater than FD_SETSIZE                | fixeria  | 06/17/2020 09:28 AM |                  |
| 3557 | OsmocomBB                       | Bug     | New    | Normal   | trxcon: decoding errors after applying a new TCH mode   | fixeria  | 06/21/2019 11:56 AM |                  |
| 3398 | GSM Audio Pocket Knife          | Bug     | New    | Low      | build: configure fails if (optional) libalsa wasn't found   | fixeria  | 12/01/2019 10:08 AM |                  |
| 6448 | Cellular Network Infrastructure | Feature | New    | Normal   | Support Themyscira RTP extensions in Osmocom BSS  | falconia | 05/08/2024 08:39 PM |                  |
| 6265 | pySim                           | Feature | New    | Normal   | decode numeric SW in case of errors   | dexter   | 12/11/2023 01:01 PM |                  |
| 6150 | OsmoPCU                         | Feature | New    | Normal   | PCUIF: Use unique identifiers instead of the TLLI as msg_id.  | dexter   | 10/24/2023 03:15 PM |                  |
| 6139 | OsmoSGSN                        | Feature | New    | Normal   | test mobility between GERAN (OsmoPCU) and EUTRAN (Open5GS) end to end on real hardware                        | dexter   | 05/08/2024 01:09 PM |                  |
| 6092 | pySim                           | Feature | New    | Low      | "export" suport for ARA-M   | dexter   | 10/31/2023 06:40 PM |                  |
| 5976 | pySim                           | Feature | New    | Low      | pySim-prog: do not program linked files multiple times  | dexter   | 03/27/2023 04:05 PM |                  |
| 6196 | OsmoMGW                         | Bug     | New    | Normal   | Codec negotiation failure false positives   | dexter   | 12/07/2023 06:25 AM | Related to #6293 |
| 6159 | OsmoBSC                         | Bug     | New    | Normal   | use paging queue for PAGING messages that come from the BSC co-located PCU                                    | dexter   | 08/30/2023 12:39 PM |                  |
| 6120 | pySim                           | Bug     | New    | Low      | select MF raise an exception after selecting ADF.ARA-M  | dexter   | 12/18/2023 10:30 AM | Related to #6120 |
| 6059 | OsmoBSC                         | Bug     | New    | Normal   | negotiate GSM-HR RTP packet format explicitly   | dexter   | 06/13/2023 10:38 AM |                  |

| #    | Project                                      | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                                       |
|------|--|---------|--------|----------|---|----------|---------------------|--|
| 6015 | OsmoPCU                                      | Bug     | New    | Normal   | osmo-pcu (with ericsson RBS) is unable to keep TRAU frames in sync                          | dexter   | 12/23/2023 01:12 AM |  |
| 5712 | OsmoBSC                                      | Bug     | New    | Normal   | LCLS FSM; Not possible to get out from NO_LONGER_LS   | dexter   | 10/18/2022 09:03 AM | Related to #5712                                     |
| 5571 | Ericsson RBS 6xxx                            | Bug     | New    | High     | DUG can come up, but with Avail: "Power Off"  | dexter   | 11/08/2022 05:10 PM |  |
| 3780 | OsmoBTS                                      | Bug     | New    | Low      | existing test suite doesn't catch wrong measurement processing                              | dexter   | 10/26/2020 09:56 PM |  |
| 6294 | OsmoSGSN                                     | Feature | New    | High     | Support GN/Gp interoperation procedures between SGSN and MME                                | daniel   | 05/08/2024 01:00 PM | Related to #6294, Related to #6439                   |
| 3285 | OsmoPCU                                      | Feature | New    | Normal   | design + implement tools to analyze inter-PCU cell changes                                  | daniel   | 02/06/2021 11:12 AM | Related to #3284                                     |
| 2523 | OsmoMGW                                      | Feature | New    | Normal   | transcoding: remove "not yet implemented" from MNCC manual once transcoding is in place     | daniel   | 03/16/2018 07:54 PM |  |
| 6393 | libosmocore                                  | Bug     | New    | Normal   | osmo_io conflating osmo_iofd_unregister vs osmo_iofd_close                                  | daniel   | 03/07/2024 09:47 AM |  |
| 5931 | libosmo-netif                                | Bug     | New    | High     | heap-use-after-free when osmo_stream_srv_destroy() is called inside read_cb()               | daniel   | 03/02/2023 11:03 AM |  |
| 4897 | osmo-gbproxy                                 | Bug     | New    | Normal   | gbproxy2: Re-introduce handling of NS_AFF_CAUSE_FAILURE                                     | daniel   | 03/10/2021 02:49 PM | Related to #4897, Related to #4952, Related to #5040 |
| 5550 | pySim  | Bug     | New    | Normal   | EF.ARR file decoding would need to be context dependent                                     | chrysn   | 06/24/2022 08:50 AM |  |
| 4225 | OP25   | Support | New    | Normal   | Missing rules in cmake lists?   | 2CS350   | 10/12/2019 02:49 PM |  |
| 6434 | E1/T1 Hardware Interface (including icE1usb) | Support | New    | Normal   | D-channel do not recover after underrun   |          | 04/27/2024 09:03 PM |  |
| 4737 | Distributed GSM                              | Support | New    | Low      | How to configure Queries gsup.hlr.123456789.imsi, sip.voice.123.msisdn, smpp.sms.123.msisdn |          | 08/31/2020 11:10 AM |  |
| 4612 | OsmoMSC                                      | Support | New    | Normal   | test handover on non-voice call conn (no CC transaction present)                            |          | 06/14/2020 12:21 PM |  |
| 4581 | OsmocomBB                                    | Support | New    | Normal   | compiler error assert.h no such file  |          | 06/05/2020 09:54 AM |  |
| 4471 | OsmocomBB                                    | Support | New    | Normal   | Received FTMT00L from phone, ramloader has aborted  |          | 03/29/2020 11:18 AM |  |
| 4308 | Distributed GSM                              | Support | New    | High     | thoughts about incorporating credit / billing in D-GSM                                      |          | 12/04/2019 04:08 PM |  |
| 4206 | Qualcomm Linux Modems by Quectel & Co        | Support | New    | Urgent   | Unbrick cpe router without web ui interface and terminal                                    |          | 02/22/2021 02:01 PM |  |
| 4135 | Qualcomm Linux Modems by Quectel & Co        | Support | New    | Normal   | how to use network inside ec20  |          | 07/31/2019 11:20 AM |  |
| 4080 | rtl-sdr                                      | Support | New    | Normal   | Receiving UTAs on 978 Mhz   |          | 07/02/2019 12:08 PM |  |
| 3931 | OsmoGSMTester                                | Support | New    | Normal   | Contact quectel to get info about modem updates (hopefully less crashes)                    |          | 01/08/2020 10:56 PM | Related to #3931                                     |
| 3819 | gr-osmosdr                                   | Support | New    | Urgent   | OSMO SDR blocks for GNUradio  |          | 02/28/2019 06:00 PM |  |

| #    | Project  | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                     |
|------|--|---------|--------|----------|---|----------|---------------------|------------------------------------|
| 3751 | OsmoBTS  | Support | New    | Normal   | Ensure BTS Tests.ttcn results of OC-2G resemble what we know/expect from osmo-bts-{sysmo,trx} |          | 12/01/2019 10:52 AM |                                    |
| 2764 | SDR (Software Defined Radio)                           | Support | New    | Normal   | osmocom_fft & siggen can't access the X display   |          | 12/15/2017 06:09 PM |                                    |
| 2677 | libosmocore  | Support | New    | Normal   | Make stat_item available over ctrl interface  |          | 09/04/2019 09:21 AM | Related to #2676                   |
| 2504 | OsmoGSMTester  | Support | New    | Normal   | check whether running osmo-* from docker images is feasible on osmo-gsm-tester                |          | 04/06/2020 11:28 AM |                                    |
| 1983 | rtl-sdr  | Support | New    | Normal   | Add welle.io and rtl_fm_streamer to rtl-sdr app list  |          | 06/03/2018 12:24 PM |                                    |
| 6447 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Feature | New    | Normal   | have more time slots without a takl   |          | 05/07/2024 11:48 AM |                                    |
| 6445 | libosmocore  | Feature | New    | Normal   | GSMTAP version 3  |          | 05/04/2024 02:13 PM |                                    |
| 6408 | osmo-ePDG - VoWifi Evolved Packet Data Gateway         | Feature | New    | Normal   | osmo-epdg: Support check IMEI   |          | 03/15/2024 06:45 PM |                                    |
| 6407 | osmo-ePDG - VoWifi Evolved Packet Data Gateway         | Feature | New    | Normal   | osmo-epdg: Support Emergency services (no IMSI)   |          | 03/15/2024 06:43 PM |                                    |
| 6402 | libosmocore  | Feature | New    | Low      | consider using IORING_RECVSEND_POLL_FIRST for our socket-reads                                |          | 03/14/2024 08:21 AM |                                    |
| 6401 | libosmocore  | Feature | New    | Low      | benchmark batching io_uring operations  |          | 03/14/2024 08:10 AM |                                    |
| 6395 | OsmoHNBGW  | Feature | New    | Low      | PFCP URR support in osmo-hnbgw  |          | 03/22/2024 08:08 AM | Related to #6395                   |
| 6390 | libosmocore  | Feature | New    | Low      | port CTRL over to osmo_io / io_uring  |          | 03/02/2024 06:45 PM | Related to #6390                   |
| 6389 | libosmocore  | Feature | New    | Low      | port VTY over to osmo_io / io_uring   |          | 03/02/2024 04:55 PM | Related to #6389                   |
| 6388 | libosmocore  | Feature | New    | Normal   | stats_reporter via osmo_io / io_uring?  |          | 03/02/2024 04:54 PM | Related to #6388                   |
| 6367 | pySim  | Feature | New    | Normal   | PC/SC <-> Android OMAPI bridge for pySim and others   |          | 02/17/2024 01:34 PM |                                    |
| 6354 | osmo-ePDG - VoWifi Evolved Packet Data Gateway         | Feature | New    | Low      | investigate UE behavior in terms of respecting ePDG configuration on USIM/ISIM                |          | 02/07/2024 04:10 PM |                                    |
| 6348 | OsmocomBB  | Feature | New    | Normal   | virtphy: add Circuit Switched Data (CSD) support  |          | 01/26/2024 10:03 PM | Related to #6348                   |
| 6347 | OsmocomBB  | Feature | New    | Normal   | mobile: support data calls @ 300 bps and 1200/75 bps (TCH/[FH]2.4)                            |          | 01/26/2024 09:54 PM | Related to #6347                   |
| 6346 | OsmocomBB  | Feature | New    | Normal   | mobile: support data calls @ 14400 bps (TCH/F14.4)  |          | 01/26/2024 10:03 PM | Related to #6346, Related to #6346 |
| 6345 | osmo-ePDG - VoWifi Evolved Packet Data Gateway         | Feature | New    | Low      | osmo-epdg: Implement SWm interface (Diameter) ePDG <-> AAA                                    |          | 01/25/2024 05:22 PM |                                    |
| 6344 | libosmocore  | Feature | New    | Normal   | New TS 24.008 Bearer Capability codec API   |          | 01/24/2024 11:19 PM | Related to #6344                   |



| #    | Project                         | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|---------------------------------|---------|--------|----------|---|----------|---------------------|-----------------------------------|
| 6316 | pySim                           | Feature | New    | Normal   | include test data in user manual  |          | 12/23/2023 03:10 PM |                                   |
| 6315 | pySim                           | Feature | New    | Low      | have test data for all supported files  |          | 12/23/2023 09:36 AM |                                   |
| 6303 | OsmoPCU                         | Feature | New    | Low      | Convert pcuif to TLV to make backwards compatibility more feasible                        |          | 02/15/2024 09:23 PM |                                   |
| 6298 | OsmoGGSN (former OpenGGSN)      | Feature | New    | Normal   | osmo-ggsn not providing MTU of the GTP tunnel to the MS                                   |          | 02/15/2024 10:30 PM | Related to #6298                  |
| 6285 | OsmoHNBGW                       | Feature | New    | Low      | IUFP needs not CRCX in loopback mode  |          | 12/04/2023 03:58 AM |                                   |
| 6243 | Cellular Network Infrastructure | Feature | New    | Low      | vty cfg: make changing startup defaults of applications backwards compatible              |          | 11/01/2023 07:06 PM |                                   |
| 6242 | Core testing infrastructure     | Feature | New    | Normal   | Test eUPF against ttcn3-upf-test setup  |          | 12/18/2023 11:33 AM |                                   |
| 6241 | libosmo-sccp + libosmo-sigtran  | Feature | New    | Low      | M3UA "Network Appearance" support   |          | 10/31/2023 03:00 PM | Related to #6241                  |
| 6239 | libosmo-sccp + libosmo-sigtran  | Feature | New    | Normal   | finally deprecate libosmo-sccp (headers, static lib)                                      |          | 10/31/2023 07:31 PM |                                   |
| 6167 | OsmoBTS                         | Feature | New    | Low      | csd_v110: implement rate adaptation for TCH/F14.4   |          | 09/01/2023 11:58 AM | Related to #6167,Related to #6346 |
| 6104 | pySim                           | Feature | New    | Low      | reduce number of python dependencies  |          | 07/20/2023 04:28 PM |                                   |
| 6036 | OsmoBTS                         | Feature | New    | Normal   | Implement ternary SID classification for HR1 uplink                                       |          | 05/17/2023 09:48 PM | Related to #6036,Related to #6036 |
| 6000 | OsmoMSC                         | Feature | New    | Normal   | Allow emergency calls without IMSI (using IMEI as MI)                                     |          | 04/12/2023 11:03 AM | Related to #6000                  |
| 5930 | OsmoPCU                         | Feature | New    | Low      | handle multiple BTSs with one PCU   |          | 03/03/2023 10:47 AM |                                   |
| 5908 | Cellular Network Infrastructure | Feature | New    | Low      | Cleanup license information throughout the projects                                       |          | 02/16/2023 11:02 AM |                                   |
| 5867 | OsmoHNBGW                       | Feature | New    | Normal   | HNBGW_Tests.ttcn should do HNBAP UE Register and De-Register tests                        |          | 01/21/2023 02:30 AM |                                   |
| 5865 | OsmoHLR                         | Feature | New    | Low      | Automate selection of LU Reject Cause   |          | 02/16/2023 10:36 AM |                                   |
| 5853 | OsmoSGSN                        | Feature | New    | Normal   | osmo-sgsn: Rework to use libosmo-gprs   |          | 01/11/2023 03:14 PM |                                   |
| 5838 | OsmoGSMTester                   | Feature | New    | Normal   | Implement power switching for all BTSs  |          | 12/20/2022 05:30 PM |                                   |
| 5834 | OsmoPCU                         | Feature | New    | Normal   | VTY option "two-phase-access" is misleading   |          | 12/19/2022 06:55 PM |                                   |
| 5829 | libosmocore                     | Feature | New    | Low      | log fallback for log_check_level(), log_parse_category()                                  |          | 12/13/2022 10:44 PM |                                   |
| 5816 | OsmoHNBGW                       | Feature | New    | Low      | Picocells available in R.U  |          | 03/09/2024 07:09 PM |                                   |
| 5815 | OsmocomBB                       | Feature | New    | Low      | mobile: compose Bearer Capability IE depending on PHY capabilities and GAPK codec support |          | 12/06/2022 07:38 PM | Related to #5815,Related to #5815 |
| 5814 | OsmoUPF                         | Feature | New    | Normal   | tunmap: more concisely match on GTP-U packets   |          | 12/06/2022 07:30 PM |                                   |
| 5813 | OsmoHNBGW                       | Feature | New    | Low      | Alcatel-Lucent femtocells available in Europe   |          | 03/09/2024 07:09 PM |                                   |

| #    | Project                               | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                     |
|------|---------------------------------------|---------|--------|----------|---|----------|---------------------|------------------------------------|
| 5812 | OsmocomBB                             | Feature | New    | Low      | mobile: missing AMR support   |          | 12/06/2022 03:07 PM | Related to #5812                   |
| 5808 | gr-osmosdr                            | Feature | New    | Normal   | New option, for selecting an input channel of a soapy_source_c                        |          | 12/05/2022 11:45 AM |                                    |
| 5780 | OsmoMSC                               | Feature | New    | Normal   | Implement/Support UUS1  |          | 01/24/2023 10:48 AM |                                    |
| 5771 | Cellular Network Infrastructure       | Feature | New    | Normal   | series of presentations about the individual CNI network elements                     |          | 11/14/2022 07:25 PM |                                    |
| 5768 | Retronetworking                       | Feature | New    | Normal   | retronetworking logo / artwork  |          | 04/07/2024 10:40 PM |                                    |
| 5766 | libosmo-abis                          | Feature | New    | Low      | use Linux kernel KCM for IPA header?  |          | 11/13/2022 08:15 AM | Related to #5766                   |
| 5762 | Core testing infrastructure           | Feature | New    | Normal   | Develop TTCN-3 test suite for PGW   |          | 11/10/2022 06:38 PM |                                    |
| 5761 | Core testing infrastructure           | Feature | New    | Normal   | Develop TTCN-3 test suite for SGW   |          | 11/09/2022 09:49 PM |                                    |
| 5746 | Retronetworking                       | Feature | New    | Low      | Create H.221 decoder  |          | 11/07/2022 10:55 PM |                                    |
| 5722 | Cellular Network Infrastructure       | Feature | New    | Low      | Migrate jenkins build slaves from docker to podman                                    |          | 10/21/2022 08:29 PM | Related to #5722                   |
| 5721 | OsmoCBC                               | Feature | New    | Normal   | CBC messages Geographical Scope and CBS Index   |          | 10/19/2022 07:23 AM |                                    |
| 5692 | Cellular Network Infrastructure       | Feature | New    | Low      | switch to C99 standard flexible arrays instad of gcc-specific zero-length arrays      |          | 09/29/2022 05:59 AM |                                    |
| 5682 | OsmoUPF                               | Feature | New    | Low      | cfg: separate PFCP Node ID from PFCP local address                                    |          | 09/17/2022 02:21 PM | Related to #5682                   |
| 5662 | OsmoUPF                               | Feature | New    | Normal   | add Linux kernel options to manual  |          | 08/24/2022 03:13 PM |                                    |
| 5648 | libosmo-pfcp                          | Feature | New    | Normal   | implement common PFCP CPF client VTY config   |          | 08/17/2022 03:29 PM | Related to #5648                   |
| 5647 | OsmoHNBGW                             | Feature | New    | Normal   | cfg: separate PFCP Node ID from PFCP local address                                    |          | 08/17/2022 03:38 PM | Related to #5648, Related to #5682 |
| 5641 | OsmoCBC                               | Feature | New    | Normal   | OsmoCBC doesn't yet support reloading cells becoming operational with active messages |          | 08/05/2022 05:10 PM |                                    |
| 5586 | OsmoBSC                               | Feature | New    | Normal   | Ericsson RBS could recover Unlocked state without osmo-bsc restart                    |          | 06/21/2022 10:23 PM | Related to #5983                   |
| 5547 | OsmoBSC                               | Feature | New    | Low      | upon emergency call, from the MSC-pool pick an MSC that allows emergency calling      |          | 04/25/2022 05:49 AM |                                    |
| 5546 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Normal   | build frame relay "hub" similar to ISDN "hub"   |          | 04/24/2022 03:03 PM |                                    |
| 5545 | Retronetworking                       | Feature | New    | Low      | E1 support for dynamips   |          | 04/24/2022 09:56 AM |                                    |
| 5543 | Retronetworking                       | Feature | New    | Normal   | Contact manufacturers for leftover stock  |          | 06/27/2023 09:05 PM |                                    |
| 5526 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | ability to generate GSMTAP traces from osmo-e1d                                       |          | 07/29/2023 07:23 AM |                                    |
| 5520 | osmo-e1d                              | Feature | New    | Low      | exponential back-off on octoi client reconnect attempts                               |          | 07/29/2023 07:30 AM |                                    |
| 5519 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | reimplement overlapped.php based on yate python module                                |          | 12/03/2023 10:47 AM |                                    |

| #    | Project                               | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                                     |
|------|---------------------------------------|---------|--------|----------|--|----------|---------------------|--|
| 5511 | Retronetworking                       | Feature | New    | Low      | Idea: DAHDI backend for mISDN                                      |          | 09/18/2022 03:59 PM |  |
| 5505 | OsmocomBB                             | Feature | New    | Normal   | GPRS mobility (cell change) support                                |          | 07/01/2022 06:24 AM | Related to #5505                                   |
| 5504 | OsmocomBB                             | Feature | New    | Normal   | GSM/GPRS coordination (RR/GRR)                                     |          | 05/23/2023 12:31 PM | Related to #5504                                   |
| 5489 | linmodem                              | Feature | New    | Low      | linmodem mISDN integration   |          | 03/13/2022 09:35 PM |  |
| 5487 | OsmoSGSN                              | Feature | New    | Low      | get rid of osmo-juh.git's iu_client API and absorb into OsmoSGSN   |          | 03/10/2022 06:05 PM |  |
| 5484 | Open Source IMS Client                | Feature | New    | Normal   | create setup for nested IPsec (doubango on top of StrongSWAN)      |          | 03/07/2022 11:19 AM |  |
| 5483 | Open Source IMS Client                | Feature | New    | Normal   | SIM card interface for strongswan                                  |          | 03/07/2022 03:19 PM |  |
| 5482 | Open Source IMS Client                | Feature | New    | Normal   | VoWiFi client for creating [outer] IPsec tunnel to ePDG            |          | 03/07/2022 09:33 PM | Related to #5482                                   |
| 5468 | OsmoMGW                               | Feature | New    | Normal   | osmo-mgw: 2g<->3g call support                                     |          | 06/03/2022 10:39 AM | Related to #5468,Related to #5468,Related to #5468 |
| 5446 | Cellular Network Infrastructure       | Feature | New    | Normal   | correlate git version to ttcn3 tests                               |          | 02/07/2022 09:40 PM | Related to #5446                                   |
| 5443 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Normal   | possibility to transmit frames from multiple lines in one packet   |          | 02/06/2022 08:15 AM |  |
| 5435 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | use DNS to resolve the server                                      |          | 04/05/2022 08:20 PM |  |
| 5427 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | STUN/TURN/ICE for peer-to-peer connections                         |          | 01/30/2022 10:43 AM |  |
| 5395 | OsmocomDECT                           | Feature | New    | Normal   | Support for LMX3161  |          | 01/09/2022 12:55 PM |  |
| 5372 | osmo-lab-rack                         | Feature | New    | Low      | AC power supply  |          | 12/23/2021 06:33 PM |  |
| 5371 | osmo-lab-rack                         | Feature | New    | Low      | component carrier USB-UART   |          | 12/23/2021 06:31 PM |  |
| 5370 | osmo-lab-rack                         | Feature | New    | Low      | component carrier USB hub  |          | 12/23/2021 06:30 PM |  |
| 5323 | Core testing infrastructure           | Feature | New    | Normal   | Add docker image containing titan.core master                      |          | 12/15/2021 04:43 PM | Related to #6187                                   |
| 5321 | osmo-remsim                           | Feature | New    | Low      | support SAP of u-blox AT+USAPMODE                                  |          | 11/22/2021 10:37 AM |  |
| 5320 | osmo-remsim                           | Feature | New    | Low      | support SAP of Telit AT#RSEN                                       |          | 11/22/2021 10:38 AM |  |
| 5307 | Ericsson RBS 6xxx                     | Feature | New    | Normal   | Support for Multiple Sectors at an RBS site.                       |          | 11/13/2021 08:20 PM |  |
| 5267 | pySim                                 | Feature | New    | Normal   | pySim-shell: Ability to deactivate entire applications on the card |          | 10/14/2021 07:12 PM | Related to #5268                                   |
| 5256 | OsmoBTS                               | Feature | New    | High     | support for random padding in LAPDm downlink messages              |          | 10/12/2021 11:17 AM | Related to #5256                                   |
| 5235 | pySim                                 | Feature | New    | Low      | import / export as eUICC profile package ASN.1                     |          | 06/09/2023 04:55 PM |  |
| 5183 | OsmoHLR                               | Feature | New    | Low      | EIR functionality  |          | 06/16/2021 06:22 AM | Related to #5183                                   |
| 5167 | Osmocom Analog                        | Feature | New    | Low      | LimeNet Micro  |          | 04/02/2023 08:57 AM |  |
| 5156 | OsmoBSC                               | Feature | New    | Low      | Support intraBSC handover between distinct BTS types               |          | 11/04/2021 06:27 PM |  |

| #    | Project                         | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|---------------------------------|---------|--------|----------|---|----------|---------------------|-----------------------------------|
| 5128 | Core testing infrastructure     | Feature | New    | Low      | dec_RlcmacDlCtrlBlock: Get rid of annoying warning about remaining padding    |          | 12/09/2021 09:14 PM |                                   |
| 5047 | OsmoSDR                         | Feature | New    | Normal   | Inconsistencies between SDR's in bias-tee parameter                           |          | 12/19/2021 01:17 PM |                                   |
| 5013 | Cellular Network Infrastructure | Feature | New    | Low      | investigate "vttysh" for Osmocom  |          | 02/06/2021 02:14 PM | Related to #5013                  |
| 4990 | OsmoBSC                         | Feature | New    | Low      | TTCN3 test for AMR MultiRate IEs in RR and RSL                                |          | 07/02/2021 04:34 PM |                                   |
| 4989 | OsmoBTS                         | Feature | New    | Low      | AMR RATSCCH support   |          | 01/28/2021 01:41 PM |                                   |
| 4988 | OsmoBTS                         | Feature | New    | Low      | No TTCN3 test for AMR TFO / DL CMR handling                                   |          | 01/28/2021 01:38 PM |                                   |
| 4987 | OsmoBTS                         | Feature | New    | Low      | No TTCN3 test for AMR DTX FSMs  |          | 01/28/2021 01:37 PM | Related to #5474                  |
| 4986 | OsmoBTS                         | Feature | New    | Low      | No TTCN3 tests of AMR rate/link adaptation                                    |          | 01/28/2021 01:36 PM |                                   |
| 4983 | OsmoMSC                         | Feature | New    | Low      | PERFORM LOCATION REQUEST / RESPONSE   |          | 01/28/2021 11:44 AM |                                   |
| 4982 | OsmoMSC                         | Feature | New    | Low      | Support for BSSMAP RESOURCE INDICATION  |          | 01/27/2021 03:01 PM | Related to #4982                  |
| 4981 | OsmoBSC                         | Feature | New    | Low      | Support for generating BSSMAP RESOURCE INDICATION                             |          | 01/27/2021 03:02 PM | Related to #4982                  |
| 4980 | OsmoMSC                         | Feature | New    | Low      | Implement routing of BSSMAP LOAD INDICATION in OsmoMSC                        |          | 01/27/2021 02:43 PM | Related to #4980,Related to #4980 |
| 4979 | OsmoBSC                         | Feature | New    | Low      | Support for parsing incoming BSSMAP LOAD INDICATION                           |          | 01/27/2021 02:41 PM | Related to #4979,Related to #4980 |
| 4978 | OsmoBSC                         | Feature | New    | Low      | Support for generating BSSMAP LOAD INDICATION                                 |          | 01/27/2021 02:40 PM | Related to #4979,Related to #4980 |
| 4967 | OsmoPCU                         | Feature | New    | Normal   | osmo-pcu: Avoid sending new DL EGPRS blocks to MS announcing MS_OUT_OF_MEMORY |          | 01/21/2021 02:26 PM |                                   |
| 4961 | osmo-gbproxy                    | Feature | New    | Normal   | gbproxy support for "network sharing" via MOCN                                |          | 01/20/2021 08:38 PM |                                   |
| 4915 | osmo-e1d                        | Feature | New    | Low      | consider a one-thread-per-line architecture                                   |          | 07/29/2023 07:31 AM |                                   |
| 4900 | OsmoGSMTester                   | Feature | New    | Low      | hardware and wiring verification / selftest                                   |          | 12/08/2020 11:03 AM |                                   |
| 4893 | osmo-gbproxy                    | Feature | New    | Low      | gbproxy2: Make feature bitmap configurable                                    |          | 12/08/2020 07:55 AM | Related to #4893                  |
| 4882 | OsmoHNBGW                       | Feature | New    | Low      | HSPA+ Picocell available in U.S   |          | 03/09/2024 07:08 PM |                                   |
| 4860 | libosmo-abis                    | Feature | New    | Low      | Implement separation of line/TEI/datalinks in E1 pcap                         |          | 11/04/2021 06:31 PM |                                   |
| 4846 | OsmoPCU                         | Feature | New    | Normal   | change RBB received block bitmap into 1s when everything was acked            |          | 11/04/2020 02:29 AM |                                   |
| 4813 | OsmoPCU                         | Feature | New    | Low      | FANR (Fast ACK/NACK Reporting) support  |          | 10/16/2020 08:46 AM |                                   |
| 4812 | OsmoPCU                         | Feature | New    | Low      | RTTI (Reduced Transmission Time Interval) Support                             |          | 10/16/2020 08:43 AM |                                   |
| 4806 | osmo-ccid-firmware              | Feature | New    | Low      | Add support of T=1?   |          | 10/15/2020 03:40 PM |                                   |
| 4790 | OsmoHNBGW                       | Feature | New    | Low      | Vodafone HSPA+ femtocell available in Deutschland                             |          | 03/09/2024 07:08 PM |                                   |

| #    | Project                         | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|---------------------------------|---------|--------|----------|---|----------|---------------------|------------------|
| 4762 | osmo-sip-connector              | Feature | New    | Low      | Osmo Analog Support   |          | 09/25/2020 07:31 AM | Related to #4763 |
| 4717 | OsmoMSC                         | Feature | New    | Normal   | support Handover with changing codec  |          | 08/18/2020 05:14 PM | Related to #4717 |
| 4682 | OsmoBSC                         | Feature | New    | Low      | OM2000 MCTR Support for Ericsson RBS6000 / DUG 20   |          | 07/30/2020 06:51 AM | Precedes #4682   |
| 4640 | OsmoBSC                         | Feature | New    | Low      | SI2quarter: support multiple EUTRAN Neighbor Cells List entries, not only multiple EUTRAN Cell Descriptions in the first Cells List entry |          | 07/06/2020 03:03 PM |                  |
| 4638 | Altair LTE Modems               | Feature | New    | Normal   | Mikrotik R11e-4G mtd dump   |          | 06/13/2021 10:15 AM |                  |
| 4635 | libosmo-sccp + libosmo-sigtran  | Feature | New    | Normal   | quirks when initializing SS7 ASP  |          | 06/25/2020 04:46 PM | Related to #4635 |
| 4634 | OsmoMSC                         | Feature | New    | Low      | lu: record SAC, and show RNC ID and SAC in the vty upon 'show subscriber'   |          | 06/24/2020 06:08 PM |                  |
| 4633 | OsmoMSC                         | Feature | New    | Normal   | update the Cell ID in the VLR after an inter-BSC / inter-MSC handover   |          | 06/24/2020 12:40 PM |                  |
| 4632 | OsmoMSC                         | Feature | New    | Normal   | update the cell id in the VLR when receiving BSSMAP HANDOVER PERFORMED from the BSC   |          | 06/24/2020 12:35 PM | Related to #4632 |
| 4596 | OsmocomTETRA                    | Feature | New    | Normal   | Port to GR3.8   |          | 01/08/2021 05:23 PM |                  |
| 4591 | libosmocore                     | Feature | New    | Normal   | Export FSM states and statistics with counters  |          | 03/24/2021 12:34 PM |                  |
| 4590 | libosmocore                     | Feature | New    | Normal   | Export talloc data as counters for better memory leakage monitoring in production   |          | 09/12/2022 03:53 PM |                  |
| 4588 | OsmoHLR                         | Feature | New    | Low      | OsmoHLR doesn't appear to have any statistics / counters  |          | 06/06/2020 09:44 AM |                  |
| 4587 | Cellular Network Infrastructure | Feature | New    | Low      | Add port numbers to /etc/services during installation   |          | 06/08/2020 10:28 AM | Related to #5013 |

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