

## Issues

| #    | Project                               | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|---------------------------------------|---------|--------|----------|---|----------|---------------------|-----------------------------------|
| 4814 | osmo-clock-gen                        | Bug     | New    | Low      | alignment of DC barrel with face plate  | mschramm | 10/16/2020 05:30 PM | Related to #4814                  |
| 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 |                                   |
| 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 |                                   |
| 6092 | pySim                                 | Feature | New    | Low      | "export" suport for ARA-M   | dexter   | 10/31/2023 06:40 PM |                                   |
| 5423 | SIMtrace 2                            | Bug     | New    | Low      | "trace" firmware continuous test setup  |          | 01/27/2022 12:24 PM |                                   |
| 5388 | OsmocomDECT                           | Bug     | New    | Low      | {MM-INFO-SUGGEST} message not sent with ext bit set to 0                              |          | 01/09/2022 12:28 PM |                                   |
| 2675 | OsmoBTS                               | Bug     | New    | Low      | /usr/bin/lc15bts-mgr can't find GPS 3D fix to for calibration                         | pespin   | 02/13/2018 03:34 PM |                                   |
| 1744 | OsmoBTS                               | Bug     | New    | Low      | 1-way voice between sismobts and nanobts if DTX is enabled                            |          | 07/18/2019 06:08 AM | Related to #1562                  |
| 4944 | OsmoCBC                               | Feature | New    | Low      | 3G SABP support in OsmoCBC  | laforge  | 01/13/2021 09:13 AM | Related to #4944,Related to #4944 |
| 5833 | OsmoPCU                               | Feature | New    | Low      | A "meas-feed" for osmo-pcu  | keith    | 12/18/2022 06:42 PM |                                   |
| 5448 | gr-osmosdr                            | Bug     | New    | Low      | a bug related to gqrx using gr-osmosdr for sdrplay rsp1 through soapy(?)              |          | 02/09/2022 02:56 AM |                                   |
| 5526 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | ability to generate GSMTAP traces from osmo-e1d                                       |          | 07/29/2023 07:23 AM |                                   |
| 3737 | OsmoBSC                               | Bug     | New    | Low      | abort because unused lchan has non-null conn pointer, after AMR config error          |          | 05/08/2019 03:35 PM |                                   |
| 5372 | osmo-lab-rack                         | Feature | New    | Low      | AC power supply   |          | 12/23/2021 06:33 PM |                                   |
| 2913 | OsmocomBB                             | Feature | New    | Low      | Add a tool that decodes Cell Broadcasts (SMSCB)                                       |          | 09/29/2018 09:31 AM | Related to #3564                  |
| 3477 | Cellular Network Infrastructure       | Feature | New    | Low      | add a wiki page explaining interconnection between components across several machines | osmith   | 12/01/2019 09:29 AM |                                   |
| 1946 | OsmoBSC                               | Feature | New    | Low      | Add checks to the BSC VTY to prevent configurations known to not work                 |          | 10/20/2020 08:40 AM | Related to #1614                  |
| 3019 | OsmoHLR                               | Feature | New    | Low      | add config for number of auth tuples returned   |          | 06/23/2018 06:58 PM |                                   |
| 2698 | OsmoMSC                               | Bug     | New    | Low      | Add more tests to jenkins job testing osmo-msc against NG40tester                     |          | 01/08/2020 10:17 PM | Related to #2477                  |
| 2391 | OsmoMSC                               | Feature | New    | Low      | add osmocom specific TLVs to A-interface for BTS/TS and subscriber details            |          | 10/02/2018 03:40 PM |                                   |
| 4587 | Cellular Network Infrastructure       | Feature | New    | Low      | Add port numbers to /etc/services during installation                                 |          | 06/08/2020 10:28 AM | Related to #5013                  |
| 2451 | Cellular Network Infrastructure       | Feature | New    | Low      | Add static builds to jenkins jobs   | osmith   | 09/30/2018 08:18 AM |                                   |
| 1555 | OsmoPCU                               | Feature | New    | Low      | Add support for unacknowledged RLC Mode   |          | 01/22/2020 02:59 PM |                                   |
| 4128 | OsmoHNBGW                             | Feature | New    | Low      | Add support of Huawei hNodeB protocol   |          | 07/24/2019 03:39 PM |                                   |
| 4806 | osmo-ccid-firmware                    | Feature | New    | Low      | Add support of T=1?   |          | 10/15/2020 03:40 PM |                                   |

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|------|---------------------------------------|---------|--------|----------|--|----------|---------------------|------------------|
| 2271 | OsmoGSMTester                         | Feature | New    | Low      | add test names to pick to the -s cmdline option  |          | 05/18/2017 12:32 PM |                  |
| 2946 | OsmoGGSN (former OpenGGSN)            | Feature | New    | Low      | Add test suite for sgsnemu   | pespin   | 11/21/2019 05:03 PM |                  |
| 4275 | OsmoSTP                               | Feature | New    | Low      | Add TTCN3 STP_Tests_IPA.TC_tmt_broadcast   | pespin   | 12/01/2019 11:04 AM |                  |
| 1463 | SIMtrace 2                            | Feature | New    | Low      | Add VCC current sensing circuit for SPA & DPA attacks                                      | laforge  | 08/27/2018 07:05 AM | Related to #1706 |
| 5813 | OsmoHNBGW                             | Feature | New    | Low      | Alcatel-Lucent femtocells available in Europe  |          | 03/09/2024 07:09 PM |                  |
| 4809 | osmo-clock-conv                       | Feature | New    | Low      | alignment of DC barrel with face plate   | laforge  | 10/16/2020 05:29 PM | Related to #4814 |
| 4014 | OsmoBTS                               | Feature | New    | Low      | Allow multiple [virtual] BTS instances on same [SDR] hardware that supports multiple TRX   |          | 05/21/2019 12:07 PM |                  |
| 3470 | OsmoMSC                               | Feature | New    | Low      | Allow sending "Emergency Number List IE" in LU ACCEPT                                      |          | 09/01/2018 08:18 PM | Related to #3470 |
| 2612 | OsmoGSMTester                         | Feature | New    | Low      | Allow skipping pcaps by configuration if access to tcpdump is not wanted                   |          | 04/06/2020 11:25 AM |                  |
| 4989 | OsmoBTS                               | Feature | New    | Low      | AMR RATSCCH support  |          | 01/28/2021 01:41 PM |                  |
| 5212 | OsmoPCU                               | Bug     | New    | Low      | apparently T3193 is by default not set to its defined default value                        | pespin   | 11/15/2021 07:13 PM |                  |
| 4481 | IMSI Pseudonymization                 | Feature | New    | Low      | Applet: test various REFRESH qualifiers to possibly shorten the time for changing the IMSI |          | 04/16/2020 08:45 AM |                  |
| 5932 | Retrocomputing                        | Feature | New    | Low      | assemble ISA-USB   | laforge  | 03/02/2023 09:25 PM |                  |
| 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 |                  |
| 5947 | Retrocomputing                        | Feature | New    | Low      | Assemble PC104-SVGA  | laforge  | 03/15/2023 09:29 AM |                  |
| 1530 | OsmoPCU                               | Feature | New    | Low      | Assign same TFI number in downlink/uplink  |          | 01/26/2020 08:50 AM |                  |
| 3787 | OsmoBSC                               | Bug     | New    | Low      | Assignment Request modifies conn->codec_list before the Assignment is successful           |          | 01/08/2020 10:25 PM | Related to #3833 |
| 3786 | OsmoBSC                               | Bug     | New    | Low      | Assignment Request modifies conn->cls state before the Assignment is successful            |          | 01/08/2020 10:25 PM |                  |
| 6322 | pySim                                 | Bug     | New    | Low      | ATR type annotation  |          | 01/03/2024 09:55 PM |                  |
| 4642 | OsmoNITB                              | Bug     | New    | Low      | Attempting to set illegal id for FSM instance of type 'OM2000-MO'                          |          | 07/03/2020 06:40 PM |                  |
| 1837 | OsmoBTS                               | Feature | New    | Low      | autogenerate dtx_dl_amr_fsm.*  |          | 03/01/2018 11:17 PM |                  |
| 5865 | OsmoHLR                               | Feature | New    | Low      | Automate selection of LU Reject Cause  |          | 02/16/2023 10:36 AM |                  |
| 6401 | libosmocore                           | Feature | New    | Low      | benchmark batching io_uring operations   |          | 03/14/2024 08:10 AM |                  |
| 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 |
| 3831 | OsmoBSC                               | Feature | New    | Low      | BSC support for "network sharing" via MOCN   |          | 01/20/2021 10:03 AM | Related to #4473 |
| 1600 | OsmoBSC                               | Feature | New    | Low      | BSC: Make SI / rest octests more configurable  |          | 12/10/2017 08:04 PM |                  |

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| 4504 | OsmoTRX                               | Feature | New    | Low      | Buidl LimeSuite without GUI in osmocom feeds   |          | 09/30/2020 08:08 PM |                  |
| 6176 | OsmoSGSN                              | Bug     | New    | Low      | build failure (dependency / concurrency issue)   |          | 09/13/2023 03:14 PM |                  |
| 3167 | Cellular Network Infrastructure       | Bug     | New    | Low      | Build osmo-*--master docker containers with address sanitizer                                      | osmith   | 07/18/2019 05:22 AM | Related to #3167 |
| 3229 | Cellular Network Infrastructure       | Feature | New    | Low      | build-system: jenkins.sh: Improve debian package generation test coverage during gerrit submission |          | 05/08/2019 02:36 PM | Related to #3228 |
| 3398 | GSM Audio Pocket Knife                | Bug     | New    | Low      | build: configure fails if (optional) libalsa wasn't found  | fixeria  | 12/01/2019 10:08 AM |                  |
| 2884 | OsmoMSC                               | Bug     | New    | Low      | Call Control timers are very long and not configurable   |          | 01/08/2020 10:56 PM |                  |
| 25   | OsmoMSC                               | Feature | New    | Low      | Call HOLD / RETRIEVE support for internal MNCC   |          | 08/01/2019 03:06 PM |                  |
| 4491 | OsmoHLR                               | Bug     | New    | Low      | Cancel in old VLR/SGSN, if new VLR/SGSN differs from old   |          | 04/15/2020 12:29 PM |                  |
| 5585 | OsmoCBC                               | Bug     | New    | Low      | CBC should not send WRITE-REPLACE to cells that had sent FAILURE                                   |          | 08/05/2022 04:58 PM |                  |
| 5682 | OsmoUPF                               | Feature | New    | Low      | cfg: separate PFCP Node ID from PFCP local address   |          | 09/17/2022 02:21 PM | Related to #5682 |
| 2933 | OsmoMSC                               | Bug     | New    | Low      | change of trans->bearer_cap (e.g. via MNCC) will not trigger BSSMAP ASSIGNMENT                     |          | 02/12/2018 11:36 AM | Related to #2854 |
| 3988 | OsmoMSC                               | Feature | New    | Low      | change the remaining DEBUGP() statements to LOG_MSC_A() / LOG_MSC_A_CAT()                          |          | 05/08/2019 03:26 PM |                  |
| 2899 | OsmoBSC                               | Bug     | New    | Low      | channel attributes are sent to BTS even for NONE channels  | osmith   | 09/30/2018 10:42 AM |                  |
| 3443 | OsmoMGW                               | Bug     | New    | Low      | Check audio-payload options in osmo-mgw VTY  |          | 03/15/2020 08:43 AM |                  |
| 1659 | OsmoBSC                               | Feature | New    | Low      | Check encoding of SI at time parameters are entered from VTY, not just at generation time          |          | 12/10/2017 08:06 PM |                  |
| 1814 | Qualcomm Linux Modems by Quectel & Co | Feature | New    | Low      | check if qtools work   |          | 10/02/2016 04:08 AM |                  |
| 2462 | OsmoBSC                               | Feature | New    | Low      | clarify lchan->encr.alg_id   |          | 08/24/2017 01:27 PM | Related to #2462 |
| 2011 | Cellular Network Infrastructure       | Feature | New    | Low      | clean-up / merge IPA (and IPA CCM) code of libosmocore, libosmo-abis, libosmo-netif, openbsc, etc. |          | 12/07/2022 04:11 PM | Related to #4841 |
| 5908 | Cellular Network Infrastructure       | Feature | New    | Low      | Cleanup license information throughout the projects  |          | 02/16/2023 11:02 AM |                  |
| 5628 | osmo-remsim                           | Bug     | New    | Low      | client-st2: error mesasges when mapping is removed   |          | 07/24/2022 07:14 AM |                  |
| 1692 | OsmoBTS                               | Feature | New    | Low      | clock source monitoring  |          | 04/13/2016 09:49 AM |                  |
| 1546 | OsmoPCU                               | Feature | New    | Low      | closed loop uplink power control   |          | 09/30/2020 08:05 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 |                  |
| 5370 | osmo-lab-rack                         | Feature | New    | Low      | component carrier USB hub  |          | 12/23/2021 06:30 PM |                  |
| 5371 | osmo-lab-rack                         | Feature | New    | Low      | component carrier USB-UART   |          | 12/23/2021 06:31 PM |                  |
| 3822 | OsmoMGW                               | Bug     | New    | Low      | conn mode "sendonly" behaves identically to "sendrecv"   |          | 03/04/2019 09:34 PM |                  |
| 4915 | osmo-e1d                              | Feature | New    | Low      | consider a one-thread-per-line architecture  |          | 07/29/2023 07:31 AM |                  |

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| 1576 | OsmoBTS                         | Feature | New    | Low      | consider using hLayer2 as a pointer storage   |          | 02/02/2017 04:11 PM | Related to #1755                  |
| 6402 | libosmocore                     | Feature | New    | Low      | consider using IORING_RECVSEND_POLL_FIRST for our socket-reads  |          | 03/14/2024 08:21 AM |                                   |
| 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 |                                   |
| 1903 | OsmoPCU                         | Feature | New    | Low      | convert c++ -> c  |          | 03/23/2020 10:48 PM |                                   |
| 6303 | OsmoPCU                         | Feature | New    | Low      | Convert pcui to TLV to make backwards compatibility more feasible   |          | 02/15/2024 09:23 PM |                                   |
| 3841 | OsmoBSC                         | Bug     | New    | Low      | cosmetic: tearing down the old lchan after inter-BSC handover always goes through RELEASE_AFTER_ERROR (instead of normal release) | neels    | 05/08/2019 05:43 PM |                                   |
| 5887 | Cellular Network Infrastructure | Bug     | New    | Low      | coverity: build everything in docker container and add CI   | osmith   | 02/01/2023 10:25 AM |                                   |
| 3567 | Cellular Network Infrastructure | Bug     | New    | Low      | coverity: move the secret token out of \$HOME/osmo-ci/.../  | lynxis   | 07/18/2019 05:22 AM |                                   |
| 3658 | Cellular Modem Information      | Feature | New    | Low      | Create a "osmocom-bb-host-latest" docker container  |          | 12/01/2019 09:07 AM | Related to #3658                  |
| 2806 | UUCP and UseNet                 | Feature | New    | Low      | Create Dockerfile and/or ansible playbook for UseNet node   |          | 01/01/2018 01:04 PM |                                   |
| 5746 | Retronetworking                 | Feature | New    | Low      | Create H.221 decoder  |          | 11/07/2022 10:55 PM |                                   |
| 2805 | FidoNet                         | Bug     | New    | Low      | Create reproducible / semi-automatic way to create FidoNet node on Linux  |          | 07/18/2019 05:34 AM |                                   |
| 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 |
| 4053 | libosmocore                     | Feature | New    | Low      | CTRL: Add CTRL cmd introspection to print documentation   |          | 01/08/2020 10:21 PM | Related to #4053,Related to #4443 |
| 2804 | linmodem                        | Feature | New    | Low      | DAHDI interface   |          | 01/01/2018 12:27 PM |                                   |
| 4150 | OsmoMGW                         | Feature | New    | Low      | dead code / If an MDCX omits SDP, all codec config might be cleared   |          | 08/13/2019 11:01 PM |                                   |
| 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                  |
| 5128 | Core testing infrastructure     | Feature | New    | Low      | dec_RlcmacDiCtrlBlock: Get rid of annoying warning about remaining padding  |          | 12/09/2021 09:14 PM |                                   |
| 6237 | Retronetworking                 | Feature | New    | Low      | Design + Build PCBA for NE555 based fake fan rpm sensor   | laforge  | 10/30/2023 01:38 AM |                                   |
| 5740 | OsmoBSC                         | Feature | New    | Low      | Disallow unworkable AMR modes.  | keith    | 11/08/2022 05:15 PM |                                   |
| 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                  |
| 5521 | osmo-e1d                        | Bug     | New    | Low      | don't attempt OCTOI connection of no TDM data from driver (icE1usb)   |          | 04/10/2022 05:28 PM |                                   |
| 4783 | libosmocore                     | Bug     | New    | Low      | doxygen: duplicate 'ports.h' warning  |          | 10/07/2020 01:29 PM |                                   |
| 2433 | OsmoNITB                        | Bug     | New    | Low      | Drop MGCP_DUMMY_LOAD frames and use proper Osmux Dummy frames   | pespin   | 08/21/2017 02:23 PM |                                   |

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| 5545 | Retronetworking                 | Feature | New    | Low      | E1 support for dynamips  |          | 04/24/2022 09:56 AM |   |
| 5183 | OsmoHLR                         | Feature | New    | Low      | EIR functionality  |          | 06/16/2021 06:22 AM | Related to #5183  |
| 1573 | OsmoBTS                         | Feature | New    | Low      | ENHANCED MEASUREMENT REPORT  |          | 07/19/2021 04:13 PM |   |
| 6378 | OsmoBSC                         | Bug     | New    | Low      | Ericsson DUG 20 rejects SI2quarter   | keith    | 03/10/2024 06:38 PM | Related to #6378  |
| 6340 | pySim                           | Bug     | New    | Low      | exception when using osmo-smdpp with python 3.9                                  | laforge  | 02/15/2024 09:29 PM |   |
| 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  |
| 3780 | OsmoBTS                         | Bug     | New    | Low      | existing test suite doesn't catch wrong measurement processing                   | dexter   | 10/26/2020 09:56 PM |   |
| 3779 | Cellular Network Infrastructure | Feature | New    | Low      | explore providing a VM image with all of osmocom CNI and related tools installed |          | 02/04/2019 09:52 AM |   |
| 5520 | osmo-e1d                        | Feature | New    | Low      | exponential back-off on octoi client reconnect attempts                          |          | 07/29/2023 07:30 AM |   |
| 1590 | Cellular Network Infrastructure | Feature | New    | Low      | Extension of Control Interface / external SNMP agent                             |          | 07/18/2019 05:22 AM |   |
| 4317 | osmo-pcap                       | Bug     | New    | Low      | external tests not enabled in jenkins.sh   |          | 12/10/2019 02:42 PM |   |
| 4813 | OsmoPCU                         | Feature | New    | Low      | FANR (Fast ACK/NACK Reporting) support   |          | 10/16/2020 08:46 AM |   |
| 5730 | OsmoMGW                         | Feature | New    | Low      | Fax over GSM support   | manawyrm | 10/16/2023 08:53 PM | Precedes #5730  |
| 4574 | OsmoHNBGW                       | Feature | New    | Low      | Femtocell choice in 2020/06  |          | 03/09/2024 07:09 PM |   |
| 4933 | OsmoHNBGW                       | Bug     | New    | Low      | Femtocell choice in U.K 2021/01  |          | 03/09/2024 07:09 PM |   |
| 1528 | OsmoPCU                         | Bug     | New    | Low      | Find a real fix for EGPRS_AckNack_w_len_t decoding                               | pespin   | 02/06/2021 01:04 PM |   |
| 3694 | Cellular Network Infrastructure | Bug     | New    | Low      | Fix lintian warnings in .deb packages  |          | 07/18/2019 05:20 AM | Related to #3699  |
| 3142 | Cellular Network Infrastructure | Feature | New    | Low      | Further simplification of "NITB like" setups                                     |          | 04/05/2018 08:09 PM |   |
| 4893 | osmo-gbproxy                    | Feature | New    | Low      | gbproxy2: Make feature bitmap configurable                                       |          | 12/08/2020 07:55 AM | Related to #4893  |
| 1558 | OsmoPCU                         | Feature | New    | Low      | Generate BSSGP LLC Discarded messages on TBF/MS free                             | osmith   | 02/13/2021 05:44 PM | Related to #4847  |
| 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  |
| 1596 | Cellular Network Infrastructure | Feature | New    | Low      | Generation of accounting/billing data  |          | 12/10/2017 08:03 PM |   |
| 5819 | Cellular Network Infrastructure | Bug     | New    | Low      | Gerrit/gitiles: Parent links don't work  |          | 12/08/2022 01:28 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 |   |
| 4647 | OsmoBSC                         | Bug     | New    | Low      | Getting attributes from BTS0 type nokia_site is not supported.                   |          | 07/04/2020 09:05 AM |   |
| 1585 | OsmoSGSN                        | Feature | New    | Low      | Gn interface for inter-SGSN MM Context transfer                                  |          | 09/22/2023 02:42 PM | Related to #5759, Related to #6294, Is duplicate of #1585 |

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| 5915 | libosmocore                     | Bug     | New    | Low      | gprs: ns2: convert timers into osmo-timers  | jolly    | 12/17/2023 12:59 PM | Related to #5915                                   |
| 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 |  |
| 5930 | OsmoPCU                         | Feature | New    | Low      | handle multiple BTSs with one PCU   |          | 03/03/2023 10:47 AM |  |
| 3638 | OsmoBSC                         | Feature | New    | Low      | handover decision 2: load balancing across BSS  |          | 10/16/2018 01:16 PM | Related to #3638,Related to #3638,Related to #3638 |
| 3486 | OsmoBSC                         | Feature | New    | Low      | handover decision: congestion: figure out the tradeoff: re-assign within same cell vs. handover to another cell   |          | 10/16/2018 01:16 PM | Related to #3486,Related to #3638                  |
| 3482 | OsmoBSC                         | Feature | New    | Low      | handover decision: if a new call causes congestion that would trigger immediate re-assignment, assigning the other TCH kind from the start  |          | 10/16/2018 01:15 PM | Related to #3482                                   |
| 3484 | OsmoBSC                         | Feature | New    | Low      | handover decision: if rxlev is ok but rxqual is bad, move to different timeslot with same TCH kind to avoid interference  |          | 10/16/2018 01:30 PM |  |
| 3485 | OsmoBSC                         | Feature | New    | Low      | handover to make room for a less capable subscriber   |          | 10/16/2018 01:16 PM | Related to #3485                                   |
| 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                                   |
| 4900 | OsmoGSMTester                   | Feature | New    | Low      | hardware and wiring verification / selftest   |          | 12/08/2020 11:03 AM |  |
| 6315 | pySim                           | Feature | New    | Low      | have test data for all supported files  |          | 12/23/2023 09:36 AM |  |
| 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                                   |
| 2356 | OsmoBTS                         | Feature | New    | Low      | have per-SAPI logging in OsmoBTS DL1P / DL1C  | osmith   | 03/19/2020 08:06 PM | Related to #2355                                   |
| 1872 | libosmocore                     | Feature | New    | Low      | high-performance remote logging   |          | 03/24/2021 12:36 PM |  |
| 2840 | OsmoHLR                         | Feature | New    | Low      | HLR should allow 2g-only or 3g-only subscribers   | neels    | 10/28/2020 09:22 PM |  |
| 2692 | OsmoSGSN                        | Bug     | New    | Low      | HLR string in CDR and VTY is empty  | pespin   | 09/30/2018 11:39 AM |  |
| 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 |  |
| 4882 | OsmoHNBGW                       | Feature | New    | Low      | HSPA+ Picocell available in U.S   |          | 03/09/2024 07:08 PM |  |
| 5511 | Retronetworking                 | Feature | New    | Low      | Idea: DAHDI backend for mISDN   |          | 09/18/2022 03:59 PM |  |
| 5512 | Retronetworking                 | Bug     | New    | Low      | Idea: L1OIP driver for DAHDI  |          | 04/03/2022 11:46 AM |  |
| 2918 | OsmoBSC                         | Feature | New    | Low      | Implement a function to properly test connection clearing in MSC_ConnectionHandler.ttcn (BSC-Tests)   |          | 01/08/2020 10:21 PM |  |
| 4277 | Cellular Network Infrastructure | Feature | New    | Low      | implement an SMSC to work with OsmoMSC  |          | 11/22/2019 02:45 PM |  |
| 6086 | pySim                           | Feature | New    | Low      | implement features of sysmo-{usim,isim}-tool  | laforge  | 07/13/2023 04:09 AM |  |

| #    | Project                         | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|---------------------------------|---------|--------|----------|---|----------|---------------------|-----------------------------------|
| 4496 | osmo-uecups                     | Feature | New    | Low      | implement filters for sharing as single tun device between multiple bearers   | laforge  | 04/17/2020 08:31 AM |                                   |
| 2008 | libosmo-sccp + libosmo-sigtran  | Feature | New    | Low      | Implement Global Title Translation  |          | 04/10/2017 12:05 PM |                                   |
| 2007 | libosmo-sccp + libosmo-sigtran  | Feature | New    | Low      | Implement GT based routing  |          | 04/10/2017 12:04 PM |                                   |
| 3714 | Cellular Network Infrastructure | Feature | New    | Low      | implement Internal Handover With MSC Support                                  | neels    | 02/06/2021 02:04 PM | Related to #3714                  |
| 4069 | Cellular Network Infrastructure | Bug     | New    | Low      | Implement IPA PING/PONG mechanism everywhere                                  | osmith   | 02/06/2021 02:27 PM | Related to #4072                  |
| 2006 | libosmo-sccp + libosmo-sigtran  | Feature | New    | Low      | Implement M2PA support  |          | 02/10/2024 01:17 PM | Related to #3603                  |
| 2003 | libosmo-sccp + libosmo-sigtran  | Feature | New    | Low      | Implement M2UA support  |          | 04/10/2017 12:01 PM |                                   |
| 2712 | libosmocore                     | Feature | New    | Low      | implement reproducible talloc context printout, i.e. without memory addresses |          | 01/08/2020 10:21 PM | Related to #2781                  |
| 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 |
| 2394 | OsmoHNBGW                       | Feature | New    | Low      | Implement SABP (Service Area Broadcast Protocol)                              | laforge  | 12/30/2020 01:19 AM | Related to #2392,Related to #3979 |
| 2009 | libosmo-sccp + libosmo-sigtran  | Feature | New    | Low      | Implement SCCP connection coupling ("proxy")                                  |          | 04/10/2017 12:09 PM |                                   |
| 4860 | libosmo-abis                    | Feature | New    | Low      | Implement separation of line/TEI/datalinks in E1 pcap                         |          | 11/04/2021 06:31 PM |                                   |
| 2580 | OsmoMGW                         | Feature | New    | Low      | implement timeout/resend mechanism for mgcp_client                            |          | 09/04/2019 09:26 AM |                                   |
| 5235 | pySim                           | Feature | New    | Low      | import / export as eUICC profile package ASN.1                                |          | 06/09/2023 04:55 PM |                                   |
| 1751 | OsmoBTS                         | Bug     | New    | Low      | incompatibility between LCR and DTX   |          | 06/14/2016 04:39 PM |                                   |
| 4678 | osmo-clock-gen                  | Feature | New    | Low      | Increase mounting hole size to support M3 screws                              | mschramm | 07/25/2020 08:43 PM |                                   |
| 1532 | OsmoPCU                         | Bug     | New    | Low      | Increased number of poll timeouts on shared PDCHs                             | pespin   | 02/08/2021 05:22 PM | Related to #1524                  |
| 1897 | OsmocomTETRA                    | Bug     | New    | Low      | Inefficient sequence search in tetra_find_train_seq                           |          | 04/10/2017 01:04 AM |                                   |
| 1603 | OsmoMSC                         | Feature | New    | Low      | Interfacing the MSC with other networks: Roaming interfaces / MAP             |          | 07/18/2019 06:13 AM |                                   |
| 3987 | libosmocore                     | Feature | New    | Low      | introduce libosmocore_init() to replace individual initialization calls       |          | 05/08/2019 03:03 PM | Related to #3987                  |
| 5013 | Cellular Network Infrastructure | Feature | New    | Low      | investigate "vttysh" for Osmocom  |          | 02/06/2021 02:14 PM | Related to #5013                  |
| 3382 | Cellular Network Infrastructure | Bug     | New    | Low      | Investigate and fix lintian issues listed by Debian Lintian Report            | osmith   | 12/01/2019 09:27 AM |                                   |
| 3649 | OsmoHLR                         | Feature | New    | Low      | Investigate LMDB as HLR data storage  |          | 10/12/2018 11:35 AM | Related to #3649                  |

| #    | Project  | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues        |
|------|--|---------|--------|----------|---|----------|---------------------|-----------------------|
| 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 |                       |
| 68   | OsmoBSC  | Bug     | New    | Low      | ipaccess-config should work with -u ID -o IP -r BTS_IP                                |          | 12/10/2017 07:52 PM |                       |
| 2494 | OsmoGGSN (former OpenGGSN)                     | Feature | New    | Low      | IPv6 support on the outer (transport) layer   |          | 02/06/2021 12:09 PM |                       |
| 1919 | pySim  | Bug     | New    | Low      | issue with gcardsim from Greencard (gcard.cn)   |          | 08/17/2017 06:45 AM |                       |
| 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 |                       |
| 6285 | OsmoHNBGW                                      | Feature | New    | Low      | IUFP needs not CRCX in loopback mode  |          | 12/04/2023 03:58 AM |                       |
| 1674 | OsmoBTS  | Bug     | New    | Low      | Kill duplication between l1_if.c and sysmbots_ctrl.c                                  |          | 07/18/2019 06:08 AM |                       |
| 73   | OsmoBSC  | Bug     | New    | Low      | Kill the paging_init_if_needed method in paging.c                                     |          | 12/10/2017 07:53 PM |                       |
| 5895 | OsmoBTS  | Bug     | New    | Low      | LC15: Audio Quality Problem sometime after cf7a7fceb625a14fd764355c3b96fa86c77458c    |          | 03/20/2023 11:37 PM |                       |
| 2196 | OsmoGSMTester                                  | Feature | New    | Low      | libmsc ctrl interface: add CTRL command to query a single subscriber's attached state |          | 05/15/2017 12:58 PM |                       |
| 2571 | libosmo-abis                                   | Bug     | New    | Low      | libosmo-abis API documentation missing (doxygen)                                      | osmith   | 02/06/2021 02:27 PM |                       |
| 2717 | libosmo-abis                                   | Bug     | New    | Low      | libosmo-abis doesn't use ipa_ccm_make_id_resp()                                       |          | 12/06/2017 05:47 PM |                       |
| 2702 | OsmoMGW  | Feature | New    | Low      | libosmo-mgcp doesn't use osmo_sock_API  |          | 12/03/2017 09:42 AM |                       |
| 3522 | libosmocore                                    | Feature | New    | Low      | libosmocoding: move TCH ordering functions to libosmocodec and share them             | fixeria  | 09/04/2018 08:49 PM |                       |
| 3970 | OsmoTRX  | Bug     | New    | Low      | libusrp fails to compile 1/4 of times in jenkins with PARALLEL_MAKE set               |          | 01/08/2020 10:56 PM | Is duplicate of #3970 |
| 5167 | Osmocom Analog                                 | Feature | New    | Low      | LimeNet Micro   |          | 04/02/2023 08:57 AM |                       |
| 5489 | linmodem                                       | Feature | New    | Low      | linmodem mISDN integration  |          | 03/13/2022 09:35 PM |                       |
| 5829 | libosmocore                                    | Feature | New    | Low      | log fallback for log_check_level(), log_parse_category()                              |          | 12/13/2022 10:44 PM |                       |
| 3642 | OsmoBSC  | Bug     | New    | Low      | logging filter imsi leaks bsc_subscr references                                       |          | 10/09/2018 10:04 PM |                       |
| 39   | OsmoBSC  | Feature | New    | Low      | Logging filter on bts/trx or such   |          | 06/08/2020 07:07 PM |                       |
| 2288 | OsmoGSMTester                                  | Feature | New    | Low      | logging: print in a short way which resource is being reserved and used               |          | 05/23/2017 02:25 PM |                       |
| 4004 | OsmoMSC  | Bug     | New    | Low      | lu_fsm_priv.rej_cause is never used   | neels    | 11/21/2023 02:37 AM |                       |
| 3603 | OsmoSTP  | Feature | New    | Low      | M2PA support  |          | 10/03/2018 08:58 AM | Related to #3603      |
| 3602 | OsmoSTP  | Feature | New    | Low      | M2UA support  |          | 09/30/2018 08:00 AM |                       |
| 6241 | libosmo-sccp + libosmo-sigtran                 | Feature | New    | Low      | M3UA "Network Appearance" support   |          | 10/31/2023 03:00 PM | Related to #6241      |
| 1613 | OsmoBSC  | Feature | New    | Low      | make BTS/TRX configuration changes without having to drop BTS OML link                |          | 12/10/2017 08:06 PM |                       |



| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee  | Updated             | Related issues                    |
|------|---------------------------------|---------|--------|----------|--|-----------|---------------------|-----------------------------------|
| 3755 | OsmoMSC                         | Feature | New    | Low      | make retrieval of IMEISV configurable  |           | 05/07/2019 12:28 PM | Related to #3755                  |
| 3210 | osmo-fl2k                       | Feature | New    | Low      | man pages  | steve-m   | 04/24/2018 08:55 PM |                                   |
| 6021 | libosmocore                     | Bug     | New    | Low      | map file breaks recent lld builds  | Hoernchen | 05/04/2023 05:49 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 |
| 3345 | OsmoTRX                         | Feature | New    | Low      | merge ms branch  |           | 06/13/2018 07:16 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                  |
| 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                  |
| 6051 | OsmoHNBGW                       | Feature | New    | Low      | misnomer in internal SCCP functions  | neels     | 07/06/2023 08:26 PM |                                   |
| 4304 | libosmocore                     | Bug     | New    | Low      | missing unit tests for many gsm48_{encode,decode} functions  |           | 12/04/2019 01:50 PM |                                   |
| 2832 | OsmoMSC                         | Feature | New    | Low      | MNCC doesn't include field for "supported codecs"  |           | 01/16/2018 07:00 AM | Related to #2832,Related to #1683 |
| 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 |
| 5812 | OsmocomBB                       | Feature | New    | Low      | mobile: missing AMR support  |           | 12/06/2022 03:07 PM | Related to #5812                  |
| 1612 | Cellular Network Infrastructure | Bug     | New    | Low      | more configuration consistency checking  |           | 09/30/2018 11:48 AM |                                   |
| 3688 | OsmoSGSN                        | Feature | New    | Low      | move generic gtpub code to libosmocore   |           | 04/15/2019 07:29 AM |                                   |
| 1537 | OsmoPCU                         | Feature | New    | Low      | Move the BSSGP handling to libosmocore   |           | 03/01/2018 11:17 PM | Related to #1537,Related to #2388 |
| 1568 | OsmoBTS                         | Feature | New    | Low      | Move various code bits to libosmocore  | fixeria   | 07/18/2019 06:08 AM |                                   |
| 4363 | Distributed GSM                 | Feature | New    | Low      | mslookup_client_mdns_test: add stubs, so it works without multicast                                      |           | 04/28/2020 02:55 PM | Related to #4363                  |
| 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 |                                   |
| 3501 | SIMtrace 2                      | Feature | New    | Low      | Multi-sim addon board idea   |           | 08/28/2018 03:00 PM |                                   |
| 1561 | OsmoBTS                         | Feature | New    | Low      | Multi-TRX support (one osmo-bts process per TRX)   |           | 02/23/2016 03:18 PM |                                   |
| 3280 | OsmocomBB                       | Feature | New    | Low      | Multiparty SS support in OsmocomBB   |           | 05/22/2018 07:40 AM |                                   |
| 5389 | OsmocomDECT                     | Bug     | New    | Low      | Namespace clashes between kernel and userspace   |           | 01/09/2022 12:30 PM |                                   |
| 70   | OsmoNITB                        | Bug     | New    | Low      | nitb crashes in the rtp_proxy when a phone on a MT-call sends a 'CONNECT' before the CRCX ACK came back  |           | 05/09/2016 07:37 PM |                                   |
| 2411 | OsmoMGW                         | Feature | New    | Low      | No support for RTP dynamic payload types - AMR/HR/EFR payload types are hardcoded                        |           | 03/05/2018 07:04 PM |                                   |
| 69   | OsmoBSC                         | Bug     | New    | Low      | No timers for various calls  |           | 12/10/2017 07:53 PM |                                   |

| #    | Project                                      | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues  |
|------|--|---------|--------|----------|---|----------|---------------------|---|
| 4987 | OsmoBTS                                      | Feature | New    | Low      | No TTCN3 test for AMR DTX FSMs  |          | 01/28/2021 01:37 PM | Related to #5474  |
| 4988 | OsmoBTS                                      | Feature | New    | Low      | No TTCN3 test for AMR TFO / DL CMR handling   |          | 01/28/2021 01:38 PM |   |
| 4986 | OsmoBTS                                      | Feature | New    | Low      | No TTCN3 tests of AMR rate/link adaptation  |          | 01/28/2021 01:36 PM |   |
| 5957 | OsmoBTS                                      | Bug     | New    | Low      | not all osmo-bts variants respond to abisip-find  | jolly    | 03/22/2023 09:20 AM |   |
| 5035 | libosmocore                                  | Bug     | New    | Low      | ns2: add a vty to drop a sns connection   |          | 03/29/2021 09:16 PM |   |
| 5015 | libosmocore                                  | Bug     | New    | Low      | ns2: add consistency check for ns configuration as callback   |          | 03/29/2021 09:17 PM |   |
| 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 |   |
| 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                  |
| 5499 | osmo-e1d                                     | Bug     | New    | Low      | octoi client binds to specific IP even if 0.0.0.0 is specified  |          | 05/23/2023 07:10 AM |   |
| 4242 | BBS-Revival                                  | Feature | New    | Low      | offer CCC event schedule (Fahrplan) as gopher service   |          | 10/28/2019 09:22 AM |   |
| 2432 | OsmoGSMTester                                | Feature | New    | Low      | ofono: Find out how to receive Status / Delivery report   |          | 01/08/2020 10:51 PM |   |
| 2236 | OsmoGSMTester                                | Bug     | New    | Low      | ofono: Fix valgrind issues  |          | 01/08/2020 10:51 PM |   |
| 2468 | OsmoGSMTester                                | Feature | New    | Low      | ofono: gobi modem doesn't support ofono SupplementaryServices interface                               |          | 01/08/2020 10:51 PM |   |
| 28   | OsmoNITB                                     | Bug     | New    | Low      | Old siemens phones cannot make voice calls (04.08 channel mode)                                       |          | 03/05/2018 07:36 PM |   |
| 4682 | OsmoBSC                                      | Feature | New    | Low      | OM2000 MCTR Support for Ericsson RBS6000 / DUG 20   |          | 07/30/2020 06:51 AM | Precedes #4682  |
| 4649 | OsmoBSC                                      | Bug     | New    | Low      | OM2K SI5ter: abis_rsl.c:1237 (bts=0,tx=0) ERROR REPORT (cause=Service or Option not available [ 3f ]) | laforge  | 07/04/2020 07:13 PM |   |
| 3782 | OsmoBTS                                      | Bug     | New    | Low      | OML bringup fails for osmo-bts-oc2g on high latency links   |          | 01/08/2020 10:27 PM | Related to #3782,Related to #3782,Related to #3789,Related to #4031 |
| 2610 | libosmocore                                  | Feature | New    | Low      | optimize GnuTLS fallback  |          | 05/01/2018 04:07 PM | Related to #2610,Related to #3909                                   |
| 2355 | OsmoBTS                                      | Bug     | New    | Low      | optimize log output of phy specific code  |          | 09/04/2019 09:26 AM | Related to #2355  |
| 2669 | OsmoMSC                                      | Bug     | New    | Low      | osm-msc doesn't clean up BSC state  | osmith   | 09/30/2018 11:37 AM |   |
| 4762 | osmo-sip-connector                           | Feature | New    | Low      | Osmo Analog Support   |          | 09/25/2020 07:31 AM | Related to #4763  |
| 6415 | E1/T1 Hardware Interface (including icE1usb) | Bug     | New    | Low      | osmo_panic after truncated packet   | laforge  | 03/22/2024 06:54 PM |   |
| 2245 | OsmoGSMTester                                | Bug     | New    | Low      | osmo-bts cfg: fix band string   |          | 05/15/2017 12:58 PM | Related to #2230  |
| 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  |

| #    | Project  | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|--|---------|--------|----------|--|----------|---------------------|------------------|
| 5995 | OsmoBTS  | Bug     | New    | Low      | osmo-bts printing log line 'OC=GPRS-NSE(f0) INST=(00,ff,ff): Tx unknown 0xf6'  |          | 10/18/2023 05:47 PM |                  |
| 2674 | OsmoBTS  | Bug     | New    | Low      | osmo-bts-sysmo GPRS failing if running without "-M"  | pespin   | 07/18/2019 06:08 AM |                  |
| 1755 | OsmoBTS  | Feature | New    | Low      | osmo-bts-sysmo L1: unify hLayer3 handling  |          | 02/02/2017 04:00 PM | Related to #1755 |
| 1771 | OsmoBTS  | Feature | New    | Low      | osmo-bts-trx: clarify check_transceiver_availability()   |          | 03/01/2018 11:17 PM | Related to #1770 |
| 2942 | OsmoBTS  | Bug     | New    | Low      | osmo-bts-virtual+virtphy+mobile paging for SMS delivery fails  |          | 02/13/2018 05:05 PM |                  |
| 4630 | OsmoBTS  | Bug     | New    | Low      | osmo-bts: GSMTAP DL (tx) messages use hardcoded signal level 0   |          | 10/05/2022 09:11 AM |                  |
| 61   | OsmoBTS  | Feature | New    | Low      | osmo-bts: split TRAU/RTP frame handling into separate process  |          | 06/13/2016 01:16 PM |                  |
| 4108 | Cellular Network Infrastructure                | Bug     | New    | Low      | osmo-ctrl2cgi, osmo-trap2cgi: missing default configs  |          | 07/16/2019 12:30 PM | Related to #4108 |
| 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 |                  |
| 6420 | OsmoGGSN (former OpenGGSN)                     | Bug     | New    | Low      | osmo-ggsn + pre-configured tun device seems to be broken with kernel gtp-u   |          | 03/26/2024 11:43 AM |                  |
| 6419 | OsmoGGSN (former OpenGGSN)                     | Bug     | New    | Low      | osmo-ggsn removes tun devices it did not create  |          | 03/26/2024 11:26 AM |                  |
| 5449 | OsmoGGSN (former OpenGGSN)                     | Bug     | New    | Low      | osmo-ggsn: Accept IPv4v6 EUA pdp creation in APv4/v6-only APNs by answering with changed PDP Type                      |          | 04/04/2023 09:46 AM |                  |
| 2860 | OsmoGSMTester                                  | Feature | New    | Low      | osmo-gsm-tester: Add 3g support with nano3G board  | pespin   | 03/31/2023 03:26 PM | Related to #2860 |
| 2209 | OsmoGSMTester                                  | Feature | New    | Low      | osmo-gsm-tester: add test API to explicitly free a resource  |          | 05/19/2017 11:01 AM | Related to #2208 |
| 4808 | OsmoGSMTester                                  | Feature | New    | Low      | osmo-gsm-tester: Add test setup to verify baseband frequency hopping   | pespin   | 03/31/2023 03:25 PM |                  |
| 2200 | OsmoGSMTester                                  | Feature | New    | Low      | osmo-gsm-tester: allow collecting statistics / KPI of a test case  |          | 04/06/2020 04:57 PM | Related to #2201 |
| 2208 | OsmoGSMTester                                  | Feature | New    | Low      | osmo-gsm-tester: allow running binaries for a whole suite, or only for a single test                                   |          | 05/30/2017 01:07 PM | Related to #2208 |
| 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 |
| 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 |                  |
| 3234 | OsmoGSMTester                                  | Feature | New    | Low      | osmo-gsm-tester: poll the python-smpplib socket using non-busy approach  | pespin   | 03/31/2023 03:28 PM | Related to #2512 |
| 3068 | OsmoGSMTester                                  | Bug     | New    | Low      | osmo-gsm-tester: resource objects leaked or destroyed too late   | pespin   | 03/31/2023 03:28 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 |
| 6060 | OsmoMGW  | Bug     | New    | Low      | osmo-mgw: Implement MGCP RestartInProgress (RSIP)  | jolly    | 10/18/2023 04:59 PM |                  |
| 4745 | OsmoMGW  | Bug     | New    | Low      | osmo-mgw: Wrong IP address returned in SDP "o=" section  |          | 10/05/2022 11:00 AM |                  |

| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee  | Updated             | Related issues                                     |
|------|---------------------------------|---------|--------|----------|--|-----------|---------------------|--|
| 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 |  |
| 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 |  |
| 5919 | Core testing infrastructure     | Bug     | New    | Low      | osmo-python-tests: Update/fix README or setup process                        | osmith    | 03/20/2023 10:17 AM |  |
| 5346 | libosmocore                     | Bug     | New    | Low      | osmo-release.sh doesn't work with %{sover} macro in spec.in                  | pespin    | 12/09/2021 12:03 PM |  |
| 1687 | osmo-sip-connector              | Feature | New    | Low      | osmo-sip-connector: Explore 3-way conference call                            |           | 01/08/2020 10:56 PM |  |
| 2430 | OsmoTRX                         | Feature | New    | Low      | osmo-trx support bladerf   |           | 02/14/2023 01:39 PM | Is duplicate of #2430,Is duplicate of #2430        |
| 5228 | OsmoTRX                         | Feature | New    | Low      | osmo-trx: Missing unit tests for computeCI() and computeEdgeCI()             | Hoernchen | 11/07/2022 06:23 PM |  |
| 3962 | OsmoTRX                         | Feature | New    | Low      | osmo-trx: Use gcc attribute no_sanitize to run fine with ASan enabled        |           | 08/26/2019 02:04 PM |  |
| 3796 | OsmoBTS                         | Bug     | New    | Low      | OsmoBTS doesn't send proper cause values in NACK                             |           | 07/18/2019 06:04 AM | Related to #3796                                   |
| 2974 | OsmoBTS                         | Bug     | New    | Low      | OsmoBTS doesn't use the "Diagnostics" part of the RSL Cause IE               |           | 07/18/2019 05:48 AM |  |
| 2366 | OsmoBTS                         | Feature | New    | Low      | OsmoBTS lacks EXTENDED BCCH support  |           | 07/15/2017 10:42 AM | Related to #1575,Related to #2014                  |
| 2364 | OsmoBTS                         | Bug     | New    | Low      | OsmoBTS sends SI1 even if it is not specified/needed                         |           | 07/15/2017 10:06 AM |  |
| 4971 | Osmocom Analog                  | Feature | New    | Low      | OsmoCC Socket Documentation  | jolly     | 10/18/2023 02:49 PM |  |
| 2435 | OsmoHNBGW                       | Bug     | New    | Low      | Osmocom asn1c/libasn1c is based on old fork                                  |           | 12/21/2022 01:54 PM | Related to #2435,Related to #2435,Related to #3862 |
| 6327 | Cellular Network Infrastructure | Feature | New    | Low      | Osmocom-build-tags-against-master job builds very basic configurations       | osmith    | 01/11/2024 08:17 PM |  |
| 3387 | OsmocomBB                       | Feature | New    | Low      | osmocon: Use libosmocore logging system                                      |           | 10/05/2018 04:21 PM |  |
| 4588 | OsmoHLR                         | Feature | New    | Low      | OsmoHLR doesn't appear to have any statistics / counters                     |           | 06/06/2020 09:44 AM |  |
| 3169 | OsmoMSC                         | Bug     | New    | Low      | OsmoMSC rejects SMPP messages with empty SMS                                 |           | 01/08/2020 10:56 PM |  |
| 2878 | OsmoMSC                         | Feature | New    | Low      | OsmoMSC support for "Follow-on request/proceed"                              |           | 01/26/2018 09:11 PM |  |
| 2959 | OsmoSGSN                        | Bug     | New    | Low      | OsmoSGSN puts bogus LAC/RAC in GTP Create PDP CTX ACT REQ                    | osmith    | 09/30/2018 11:41 AM |  |
| 3006 | libosmo-netif                   | Bug     | New    | Low      | Osmux: improvements on lost/dropped RTP packets                              |           | 09/30/2018 08:34 AM |  |
| 4631 | OsmoSGSN                        | Bug     | New    | Low      | packet/byte counters don't work for 3G                                       |           | 06/24/2020 06:58 AM |  |
| 5561 | libosmo-sccp + libosmo-sigtran  | Bug     | New    | Low      | pc=0=0.0.0 / RCOC-ERROR.ind not permitted                                    |           | 05/23/2023 06:20 AM |  |
| 4983 | OsmoMSC                         | Feature | New    | Low      | PERFORM LOCATION REQUEST / RESPONSE  |           | 01/28/2021 11:44 AM |  |
| 3648 | OsmoMSC                         | Feature | New    | Low      | persistent VLR (across re-starts of osmo-msc / across power outage)          |           | 05/17/2022 05:39 PM | Related to #3649                                   |
| 6395 | OsmoHNBGW                       | Feature | New    | Low      | PCFP URR support in osmo-hnbgw   |           | 03/22/2024 08:08 AM | Related to #6395                                   |

| #    | Project                               | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues  |
|------|---------------------------------------|---------|--------|----------|---|----------|---------------------|---|
| 5816 | OsmoHNBGW                             | Feature | New    | Low      | Picocells available in R.U  |          | 03/09/2024 07:09 PM |   |
| 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  |
| 5044 | OsmoMGW                               | Bug     | New    | Low      | potential null pointer dereferences   | pespin   | 02/24/2021 11:48 AM |   |
| 2287 | OsmoGSMTester                         | Feature | New    | Low      | processes launched by gsmtester: store command lines called next to stdout and stderr |          | 05/23/2017 12:11 PM |   |
| 1643 | OsmoHLR                               | Feature | New    | Low      | programmatic access to new asynchronous external HLR                                  |          | 12/10/2017 08:06 PM | Related to #1643,Blocks #1643                                       |
| 5976 | pySim                                 | Feature | New    | Low      | pySim-prog: do not program linked files multiple times                                | dexter   | 03/27/2023 04:05 PM |   |
| 6314 | pySim                                 | Bug     | New    | Low      | pySim-trace doesn't support ARA-M   |          | 12/23/2023 09:36 AM |   |
| 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                                   |
| 33   | OsmoSGSN                              | Feature | New    | Low      | real LLC implementation with fragmentation and re-transmissions                       |          | 11/09/2016 09:45 AM |   |
| 1975 | Cellular Network Infrastructure       | Feature | New    | Low      | Redesigned configuration management / MIB   | laforge  | 02/16/2021 05:59 PM |   |
| 6104 | pySim                                 | Feature | New    | Low      | reduce number of python dependencies  |          | 07/20/2023 04:28 PM |   |
| 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 |
| 5519 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | reimplement overlapped.php based on yate python module                                |          | 12/03/2023 10:47 AM |   |
| 6122 | Cellular Network Infrastructure       | Bug     | New    | Low      | remove big endian support   | osmith   | 10/18/2023 05:20 PM | Related to #6122  |
| 3887 | osmo-remsim                           | Feature | New    | Low      | remsim-client: allow for local handling of APDUs                                      | laforge  | 12/03/2019 12:20 AM |   |
| 6193 | Retronetworking                       | Support | New    | Low      | Replace "event rack" PM3 power supply   | laforge  | 09/27/2023 12:19 PM |   |
| 2802 | linmodem                              | Feature | New    | Low      | report the connected speed in "CONNECT" message                                       |          | 01/01/2018 12:18 PM |   |
| 2803 | linmodem                              | Bug     | New    | Low      | return ERROR for unsupported AT commands  |          | 01/01/2018 12:19 PM |   |
| 2603 | OsmoPCU                               | Bug     | New    | Low      | Review the various incomplete and never merged changes in radisys branch              |          | 01/08/2020 10:44 PM | Related to #1775  |
| 2405 | OsmoPCU                               | Feature | New    | Low      | RLC/MAC encoding routines don't use bitvec L/H  |          | 07/29/2017 09:01 AM |   |
| 3058 | OsmoBTS                               | Bug     | New    | Low      | RSL SACCH FILLING are per TRX, not BTS scope  |          | 03/11/2018 08:55 PM |   |
| 3593 | gr-osmosdr                            | Bug     | New    | Low      | rtl: 'len' argument ignored in librtlsdr callback                                     | horiz0n  | 07/18/2019 05:35 AM |   |
| 3597 | gr-osmosdr                            | Feature | New    | Low      | rtl: send final samples when device is lost   | horiz0n  | 07/18/2019 05:35 AM |   |
| 4812 | OsmoPCU                               | Feature | New    | Low      | RTTI (Reduced Transmission Time Interval) Support                                     |          | 10/16/2020 08:43 AM |   |

| #    | Project                               | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|---------------------------------------|---------|--------|----------|--|----------|---------------------|------------------|
| 6244 | Retronetworking                       | Feature | New    | Low      | scan more/all EWS(O) documentation laforge has   | laforge  | 11/01/2023 09:50 PM |                  |
| 1598 | Cellular Network Infrastructure       | Feature | New    | Low      | Scripting language interface   |          | 12/10/2017 08:04 PM |                  |
| 5190 | OsmoBSC                               | Bug     | New    | Low      | segfault with osmo-e1d   |          | 09/15/2021 09:34 AM |                  |
| 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 |
| 1570 | OsmoBTS                               | Feature | New    | Low      | Select RTP payload identifier based on requested speech mode   |          | 02/23/2016 03:31 PM |                  |
| 1527 | OsmoPCU                               | Feature | New    | Low      | Set correct values of the puncturing scheme and the retransmission flag  | pespin   | 02/08/2021 07:10 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 |
| 4458 | Core testing infrastructure           | Feature | New    | Low      | Set up a STF (Smartphone Testing Farm)   |          | 03/18/2020 02:44 PM |                  |
| 4691 | OsmoMSC                               | Bug     | New    | Low      | setfault in osmo_sockaddr_str_is_set() via call_leg_ensure_ci()  |          | 02/06/2021 09:47 AM |                  |
| 4640 | OsmoBSC                               | Feature | New    | Low      | SI2quater: 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 |                  |
| 5246 | OsmoBSC                               | Bug     | New    | Low      | sigsegu in bts_count_free_ts()   | keith    | 10/03/2021 08:08 PM | Related to #5324 |
| 6321 | OsmoMSC                               | Bug     | New    | Low      | SMS not delivered from corrupted SMS database  |          | 01/02/2024 01:07 PM |                  |
| 2373 | OsmoMSC                               | Bug     | New    | Low      | SMS sent to old Nokia 1100: "message 0x332/1" causes CP-ERROR, and SMS is received 5 or more times                                       |          | 08/03/2018 05:22 PM |                  |
| 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 |                  |
| 1457 | SIMtrace 2                            | Feature | New    | Low      | Spacing between JTAG and JP1/JP2   | mschramm | 09/13/2018 07:07 PM |                  |
| 2186 | libosmocore                           | Feature | New    | Low      | split libosmocrpyto  |          | 10/05/2017 06:25 AM |                  |
| 3033 | OsmoTRX                               | Feature | New    | Low      | Split wiki page into multiple smaller pages  |          | 03/05/2018 11:28 AM |                  |
| 2839 | Cellular Network Infrastructure       | Bug     | New    | Low      | statistics split between 2G and 3G   |          | 07/18/2019 05:22 AM |                  |
| 4226 | Retronetworking                       | Feature | New    | Low      | STM-1 / USB interface?   |          | 01/30/2022 10:14 AM |                  |
| 5386 | osmo-e1d                              | Bug     | New    | Low      | stop watchdog when LOS is present  | laforge  | 01/05/2022 08:38 PM |                  |
| 18   | OsmoNITB                              | Feature | New    | Low      | store last location identity to database   |          | 05/24/2018 01:15 PM |                  |
| 72   | OsmoNITB                              | Bug     | New    | Low      | struct gsm_call can leak..   |          | 05/09/2016 07:37 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 |                  |
| 1688 | libosmo-sccp + libosmo-sigtran        | Feature | New    | Low      | SUA: support N-STATE indication primitives for connect and disconnect events   |          | 04/08/2018 07:59 AM |                  |
| 3469 | OsmoMSC                               | Feature | New    | Low      | Support for "service category" in emergency calls  |          | 08/24/2018 12:48 PM | Related to #3470 |
| 4473 | OsmoBTS                               | Feature | New    | Low      | Support for broadcast of MOCN related SI21/22/23   |          | 03/29/2020 07:39 PM | Related to #4473 |
| 4982 | OsmoMSC                               | Feature | New    | Low      | Support for BSSMAP RESOURCE INDICATION   |          | 01/27/2021 03:01 PM | Related to #4982 |
| 3609 | OsmoSTP                               | Feature | New    | Low      | Support for C-Link   |          | 10/03/2018 08:58 AM |                  |

| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                                     |
|------|---------------------------------|---------|--------|----------|--|----------|---------------------|--|
| 4978 | OsmoBSC                         | Feature | New    | Low      | Support for generating BSSMAP LOAD INDICATION  |          | 01/27/2021 02:40 PM | Related to #4979,Related to #4980                  |
| 4981 | OsmoBSC                         | Feature | New    | Low      | Support for generating BSSMAP RESOURCE INDICATION  |          | 01/27/2021 03:02 PM | Related to #4982                                   |
| 4979 | OsmoBSC                         | Feature | New    | Low      | Support for parsing incoming BSSMAP LOAD INDICATION  |          | 01/27/2021 02:41 PM | Related to #4979,Related to #4980                  |
| 3207 | OsmoMGW                         | Feature | New    | Low      | Support for RTP Payload Format according to "ETSI TS 101 318"  |          | 04/24/2018 03:53 PM |  |
| 5156 | OsmoBSC                         | Feature | New    | Low      | Support intraBSC handover between distinct BTS types   |          | 11/04/2021 06:27 PM |  |
| 2651 | OsmoMGW                         | Feature | New    | Low      | Support MGCP Piggybacking  |          | 11/18/2017 05:44 PM |  |
| 2546 | OsmoMGW                         | Feature | New    | Low      | support play-out/announcement endpoint type  |          | 10/06/2017 12:30 PM |  |
| 1571 | OsmoBTS                         | Feature | New    | Low      | Support RTP multiplexing instead of per-call RTP streams   |          | 02/23/2016 03:32 PM |  |
| 5320 | osmo-remsim                     | Feature | New    | Low      | support SAP of Telit AT#RSEN   |          | 11/22/2021 10:38 AM |  |
| 5321 | osmo-remsim                     | Feature | New    | Low      | support SAP of u-blox AT+USAPMODE  |          | 11/22/2021 10:37 AM |  |
| 3732 | OsmoHLR                         | Feature | New    | Low      | Support tacdb query in HLR   |          | 07/18/2019 06:12 AM | Related to #3732                                   |
| 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 |  |
| 2437 | OsmoHNBGW                       | Bug     | New    | Low      | synchronize different asn1c APER forks   |          | 01/08/2020 10:56 PM | Related to #2435,Related to #2436,Related to #3862 |
| 57   | OsmoBTS                         | Bug     | New    | Low      | sysmobts L1 is not properly closed, DSP firmware reload is required                                    |          | 03/01/2018 11:16 PM | Related to #57                                     |
| 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 |  |
| 4863 | OsmoMSC                         | Bug     | New    | Low      | T3212 is unclear in config/vty   |          | 11/19/2020 06:10 PM |  |
| 2567 | OsmoHLR                         | Feature | New    | Low      | tell the MSC(s) when subscriber data has changed   |          | 10/11/2017 01:50 AM |  |
| 2436 | OsmoHNBGW                       | Feature | New    | Low      | Test cases for asn1c APER encoding   |          | 01/08/2020 10:56 PM | Related to #2435,Related to #2436,Related to #3862 |
| 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                  |
| 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                  |
| 2225 | OsmoGSMTester                   | Feature | New    | Low      | tester nitb: connect ctrl interface only once  |          | 05/15/2017 12:58 PM |  |
| 3712 | SIMtrace 2                      | Bug     | New    | Low      | TRACE_FATAL not printing   | laforge  | 04/06/2021 01:28 AM |  |
| 4189 | OsmoBSC                         | Feature | New    | Low      | TTCN-3 tests for load-based hand-over in BSC   |          | 09/04/2019 09:10 AM | Related to #4189                                   |

| #    | Project                               | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                     |
|------|---------------------------------------|---------|--------|----------|--|----------|---------------------|------------------------------------|
| 3670 | Cellular Network Infrastructure       | Feature | New    | Low      | TTCN-3 tests for statsd exporter code  |          | 09/04/2019 09:03 AM |                                    |
| 4990 | OsmoBSC                               | Feature | New    | Low      | TTCN3 test for AMR MultiRate IEs in RR and RSL                                   |          | 07/02/2021 04:34 PM |                                    |
| 5899 | libosmo-sccp + libosmo-sigtran        | Bug     | New    | Low      | ttn3-sccp-test-latest is actually running code from master, not latest           | osmith   | 03/20/2023 01:18 PM |                                    |
| 4103 | libosmocore                           | Feature | New    | Low      | TUAK support as per 3GPP TS 35.231   |          | 03/24/2021 12:33 PM |                                    |
| 3845 | libosmocore                           | Feature | New    | Low      | Unified logging in Gb NS / BSSGP code  |          | 03/16/2019 02:33 PM |                                    |
| 1926 | OsmoBTS                               | Feature | New    | Low      | unify *_mgr code   |          | 07/18/2019 06:08 AM |                                    |
| 1902 | OsmoBTS                               | Feature | New    | Low      | unify/refactor dynamic timeslot code   |          | 01/08/2020 10:56 PM | Related to #1902, Related to #3099 |
| 4354 | OsmocomBB                             | Bug     | New    | Low      | update wiki about GTM-900B compatibility   | laforge  | 09/30/2020 11:38 PM |                                    |
| 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 |                                    |
| 5435 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | use DNS to resolve the server  |          | 04/05/2022 08:20 PM |                                    |
| 1579 | OsmoBTS                               | Feature | New    | Low      | Use epoll  |          | 01/15/2021 01:44 PM |                                    |
| 5766 | libosmo-abis                          | Feature | New    | Low      | use Linux kernel KCM for IPA header?   |          | 11/13/2022 08:15 AM | Related to #5766                   |
| 2000 | libosmo-sccp + libosmo-sigtran        | Feature | New    | Low      | use m3ua-testtool for the ASP-side verification                                  |          | 07/18/2019 05:42 AM |                                    |
| 5012 | osmo-uecups                           | Feature | New    | Low      | use osmo-uecups from GGSN_Tests.ttcn   | pespin   | 02/06/2021 10:02 AM | Related to #5012                   |
| 5143 | Osmocom Analog                        | Feature | New    | Low      | Using ADALM PLUTO SDR with osmocom-analog  | jolly    | 05/05/2021 05:01 PM |                                    |
| 4303 | OsmoHLR                               | Bug     | New    | Low      | various minor issues about evaluation of rc = db_subscr_get_by_*                 |          | 12/03/2019 11:02 PM |                                    |
| 3165 | OsmoMSC                               | Feature | New    | Low      | Verify LU Request's LAI  | osmith   | 07/18/2019 05:48 AM | Related to #3164                   |
| 5304 | OsmoHNBGW                             | Bug     | New    | Low      | Verizon CDMA femtocell   |          | 03/09/2024 07:09 PM |                                    |
| 1973 | OsmoMSC                               | Feature | New    | Low      | VLR: efficient subscriber lookup   |          | 07/18/2019 06:15 AM | Related to #1973                   |
| 1974 | OsmoMSC                               | Feature | New    | Low      | VLR: high water mark on subscriber storage                                       |          | 05/15/2022 01:45 PM | Related to #1973                   |
| 4790 | OsmoHNBGW                             | Feature | New    | Low      | Vodafone HSPA+ femtocell available in Deutschland                                |          | 03/09/2024 07:08 PM |                                    |
| 6243 | Cellular Network Infrastructure       | Feature | New    | Low      | vty cfg: make changing startup defaults of applications backwards compatible     |          | 11/01/2023 07:06 PM |                                    |
| 21   | OsmoNITB                              | Bug     | New    | Low      | we don't see CHANNEL ReQireD from motorola EZX phones at call setup              |          | 03/05/2018 07:36 PM |                                    |
| 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 |                                    |
| 3126 | SDR (Software Defined Radio)          | Bug     | New    | Low      | Windows 10 Pro 1709: crash of rtl_test.exe                                       |          | 03/30/2018 02:16 PM |                                    |



| #    | Project  | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|--|---------|--------|----------|---|----------|---------------------|------------------|
| 2827 | OsmoBTS  | Feature | New    | Low      | would be nice if logging of the BTS number in osmo-bts matched the BTS number used in osmo-bsc                      |          | 06/23/2018 06:48 PM |                  |
| 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 |                  |
| 4653 | SDR (Software Defined Radio)                           | Bug     | New    | Normal   | cannot import name 'fosphor'  |          | 07/07/2020 02:39 AM |                  |
| 4447 | OsmoMGW  | Bug     | New    | Normal   | DSCP value should be a 6 bit field  | osmith   | 03/09/2020 04:50 PM | Related to #4447 |
| 4961 | osmo-gbproxy   | Feature | New    | Normal   | gbproxy support for "network sharing" via MOCN  |          | 01/20/2021 08:38 PM |                  |
| 5483 | Open Source IMS Client                                 | Feature | New    | Normal   | SIM card interface for strongswan   |          | 03/07/2022 03:19 PM |                  |
| 5395 | OsmocomDECT  | Feature | New    | Normal   | Support for LMX3161   |          | 01/09/2022 12:55 PM |                  |
| 4265 | libosmocore  | Bug     | New    | Normal   | --enable-embedded doesn't work as expected  |          | 11/12/2019 11:18 AM |                  |
| 5918 | osmo-fl2k  | Bug     | New    | Normal   | -flto broken in release   | steve-m  | 12/20/2023 08:43 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 |                  |
| 6019 | OsmoBSC  | Bug     | New    | Normal   | "PCU version PCU socket has LOST connection connected"  | fixeria  | 10/18/2023 05:42 PM |                  |
| 6431 | OsmoHNBGW  | Bug     | New    | Normal   | (coverity) uninitialized asn.1 state / overwriting asn.1 state in HNBAP   | neels    | 04/04/2024 11:08 PM |                  |
| 5202 | OsmocomBB  | Bug     | New    | Normal   | [Assert failed rc >= 0 l1ctl.c:83] cell_log crashes (mostly) when monitoring specific ARFCN                         |          | 07/25/2021 01:38 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 |                  |
| 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 |                  |
| 4153 | OsmoMGW  | Bug     | New    | Normal   | 3G voice broken with ALu 9361 femto   |          | 04/25/2022 05:43 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 |
| 5839 | OsmoGSMTester  | Feature | New    | Normal   | Ability to switch off the osmo-trx machine  | pespin   | 12/20/2022 05:43 PM |                  |
| 2615 | OsmoGSMTester  | Bug     | New    | Normal   | Add API to check GPS lock in BTS  |          | 11/03/2017 05:00 PM |                  |
| 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 |                  |
| 1624 | OsmoPCU  | Bug     | New    | Normal   | add CRBB support to write_packet_ack_nack_desc_egprs  |          | 10/20/2020 08:37 AM |                  |
| 5323 | Core testing infrastructure                            | Feature | New    | Normal   | Add docker image containing titan.core master   |          | 12/15/2021 04:43 PM | Related to #6187 |
| 6398 | pySim  | Bug     | New    | Normal   | Add helper for SwMatchError   |          | 03/09/2024 09:34 PM |                  |
| 4579 | OsmoBTS  | Bug     | New    | Normal   | add IPv6 support  |          | 02/12/2021 12:26 PM |                  |
| 5662 | OsmoUPF  | Feature | New    | Normal   | add Linux kernel options to manual  |          | 08/24/2022 03:13 PM |                  |
| 3038 | multi-voltage USB UART                                 | Feature | New    | Normal   | Add mounting holes?   |          | 03/07/2018 02:12 AM |                  |
| 6132 | OsmocomBB  | Feature | New    | Normal   | Add MS_GPRS_Tests to osmo-ttcn3-hacks   | fixeria  | 10/04/2023 10:29 PM | Related to #6132 |
| 3711 | SIMtrace 2   | Feature | New    | Normal   | Add screw holes for permanent installations   | mschramm | 11/01/2023 08:28 PM |                  |

| #    | Project                               | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|---------------------------------------|---------|--------|----------|---|----------|---------------------|-----------------------------------|
| 6231 | OsmoTRX                               | Feature | New    | Normal   | add support / calibration values for AntSDR E200  | roh      | 10/21/2023 03:25 PM |                                   |
| 2707 | OsmoGSMTester                         | Feature | New    | Normal   | Add support for verifying content of log files after test is run  |          | 12/04/2017 05:05 PM |                                   |
| 2399 | OsmoGSMTester                         | Feature | New    | Normal   | add tests for graceful restart of individual components   |          | 07/25/2017 12:02 AM |                                   |
| 4541 | OsmoBSC                               | Feature | New    | Normal   | add ttcn3 tests for situations of Abis latency spikes, where chan act/deact ACK messages arrive late  |          | 11/20/2023 05:03 PM | Related to #4541,Related to #6375 |
| 1908 | osmo-qcdiag                           | Feature | New    | Normal   | add VTY interface to osmo-qcdiag  | laforge  | 01/12/2017 01:15 PM |                                   |
| 1983 | rtl-sdr                               | Support | New    | Normal   | Add welle.io and rtl_fm_streamer to rtl-sdr app list  |          | 06/03/2018 12:24 PM |                                   |
| 4174 | osmo-fl2k                             | Bug     | New    | Normal   | After the latest commits, the fl2k tools do not exit on first SIGINT  |          | 08/25/2019 04:57 PM |                                   |
| 1857 | OsmoBSC                               | Feature | New    | Normal   | aggregate and report OML ALERT messages received from BTSs  |          | 12/10/2017 08:16 PM | Related to #1615,Related to #1605 |
| 3644 | OsmoHLR                               | Feature | New    | Normal   | allow arbitrary bytes in Global Title (GT), a.k.a. the VLR,SGSN's identification towards the HLR  | neels    | 12/01/2019 10:02 AM | Related to #3644,Related to #3644 |
| 6000 | OsmoMSC                               | Feature | New    | Normal   | Allow emergency calls without IMSI (using IMEI as MI)   |          | 04/12/2023 11:03 AM | Related to #6000                  |
| 2798 | linmodem                              | Feature | New    | Normal   | ALSA Soundcard Support  |          | 01/01/2018 12:02 PM |                                   |
| 4455 | OP25                                  | Feature | New    | Normal   | AMBE CODEC  |          | 03/28/2020 09:53 PM |                                   |
| 5247 | Osmocom Analog                        | Bug     | New    | Normal   | AMPS Segmentation fault   | jolly    | 10/04/2021 11:48 PM |                                   |
| 5726 | OsmoMGW                               | Bug     | New    | Normal   | AMR octet-align in SDP: lack of 'octet-align' fmp should imply octet-align=0, and the presence or absence of this fmp should not have an effect |          | 12/12/2023 01:51 AM | Is duplicate of #5726             |
| 4985 | OsmoBTS                               | Bug     | New    | Normal   | AMR RTP CMR of downlink frames not used to influence CMC  |          | 01/28/2021 01:35 PM |                                   |
| 4479 | IMSI Pseudonymization                 | Feature | New    | Normal   | Applet: change IMSI after receiving SMS   |          | 04/16/2020 08:45 AM |                                   |
| 4486 | IMSI Pseudonymization                 | Feature | New    | Normal   | Applet: gracefully handle case where timer is set twice   |          | 04/16/2020 08:45 AM |                                   |
| 4417 | IMSI Pseudonymization                 | Bug     | New    | Normal   | Applet: LU counter should only increase on successful location update   |          | 04/16/2020 08:45 AM | Related to #4478                  |
| 4478 | IMSI Pseudonymization                 | Feature | New    | Normal   | Applet: proper warning after too many LU with same IMSI   |          | 04/16/2020 08:45 AM | Related to #4478                  |
| 4480 | IMSI Pseudonymization                 | Bug     | New    | Normal   | Applet/OsmoMSC: fix or workaround for OsmoMSC only paging attached MS   |          | 04/16/2020 08:45 AM | Related to #4480                  |
| 4274 | OsmoSTP                               | Bug     | New    | Normal   | AS Name isn't displayed   |          | 03/14/2024 10:33 AM |                                   |
| 2916 | OsmoMSC                               | Bug     | New    | Normal   | asan failure on debian unstable in msc_vlr_test_gsm_ciph  |          | 02/09/2018 04:20 PM |                                   |
| 2690 | OsmocomBB                             | Bug     | New    | Normal   | ASAN issue on shutdown/no shutdown SYSINFO access   |          | 11/29/2017 09:33 AM |                                   |
| 5429 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Normal   | authentication in TDMoIP protocol   | laforge  | 11/07/2022 05:29 PM |                                   |
| 5891 | osmo-remsim                           | Bug     | New    | Normal   | bankd: potential pthread deadlock reported by coverity  | laforge  | 02/03/2023 07:35 PM |                                   |
| 5758 | OsmoDia2GSUP                          | Feature | New    | Normal   | bring osmo_dia2gsup to production quality   | lynxis   | 03/30/2023 08:13 PM |                                   |

| #    | Project                               | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                                     |
|------|---------------------------------------|---------|--------|----------|--|----------|---------------------|--|
| 5515 | OsmoBSC                               | Bug     | New    | Normal   | BSC_Tests: re-establishment: RA during CHAN RQD should reflect re-establishment            |          | 04/06/2022 08:02 PM |  |
| 4930 | OsmoBSC                               | Bug     | New    | Normal   | bsc: cbc: vty: "no remote-ip" in cbc > client  |          | 12/31/2020 10:42 PM |  |
| 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 |  |
| 5843 | OsmoBSC                               | Bug     | New    | Normal   | BTS features aren't reset after oml drop   |          | 12/22/2022 09:27 PM |  |
| 3512 | gr-osmosdr                            | Support | New    | Normal   | Bug #3462 on Arch Linux; gr-osmosdr install fails  | horiz0n  | 01/26/2019 06:10 PM |  |
| 3776 | OP25                                  | Bug     | New    | Normal   | Build fail using gcc version 7.3.0 Ubuntu 18.04.1 LTS                                      |          | 07/05/2019 07:12 PM |  |
| 5546 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Normal   | build frame relay "hub" similar to ISDN "hub"  |          | 04/24/2022 03:03 PM |  |
| 2809 | Z-Netz                                | Bug     | New    | Normal   | Build ZConnect <-> UseNet gateway  |          | 01/01/2018 01:33 PM |  |
| 1916 | OsmocomBB                             | Bug     | New    | Normal   | building GNU ARM toolchain with gcc-4.8 fails on modern texinfo                            |          | 10/16/2017 02:14 PM |  |
| 5305 | OsmocomBB                             | Bug     | New    | Normal   | Burst capture  |          | 11/10/2021 06:38 PM |  |
| 3663 | gr-osmosdr                            | Bug     | New    | Normal   | Can't compile gr-osmosdr on macOS Mojave   |          | 10/19/2018 02:37 PM |  |
| 4685 | SDR (Software Defined Radio)          | Bug     | New    | Normal   | Can't compile libusrp  |          | 08/04/2020 08:52 AM |  |
| 5403 | OsmoMSC                               | Feature | New    | Normal   | Can't connect Call from 2G to 4G network   | laforge  | 01/14/2022 10:41 PM |  |
| 4325 | gr-osmosdr                            | Bug     | New    | Normal   | can't open hackrf_sink with device index   |          | 12/13/2019 09:18 AM |  |
| 3855 | gr-osmosdr                            | Bug     | New    | Normal   | Cannot build gr-osmosdr with Gnuradio 3.8  | horiz0n  | 07/13/2020 10:05 PM |  |
| 3882 | gr-osmosdr                            | Bug     | New    | Normal   | Cannot compile gr-osmosdr!   | horiz0n  | 07/18/2019 05:35 AM |  |
| 6372 | OsmocomBB SDR PHY                     | Bug     | New    | Normal   | Cant connect to BS using cell_log and mobile   |          | 02/22/2024 07:13 AM |  |
| 5415 | SIMtrace 2                            | Bug     | New    | Normal   | cardem: watchdog triggers firmware reset   | lynxis   | 02/15/2022 08:07 PM |  |
| 1813 | Qualcomm Linux Modems by Quectel & Co | Bug     | New    | Normal   | cat /dev/snd/* causes kernel oops  |          | 09/30/2016 04:00 PM |  |
| 5721 | OsmoCBC                               | Feature | New    | Normal   | CBC messages Geographical Scope and CBS Index  |          | 10/19/2022 07:23 AM |  |
| 4196 | OsmoMSC                               | Feature | New    | Normal   | CC Setup, Call Confirmed: decode and use the Supported Codec List IE                       |          | 09/25/2019 05:27 PM |  |
| 1550 | OsmoPCU                               | Bug     | New    | Normal   | Cell reselection under network control   |          | 02/23/2016 03:06 PM |  |
| 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                  |
| 4846 | OsmoPCU                               | Feature | New    | Normal   | change RBB received block bitmap into 1s when everything was acked                         |          | 11/04/2020 02:29 AM |  |
| 4009 | OsmoBTS                               | Bug     | New    | Normal   | Channel Activation starts SACCH too early in Synchronous Handover                          |          | 03/11/2022 12:44 PM | Related to #4009,Related to #4010,Related to #4009 |
| 6328 | OsmoBSC                               | Bug     | New    | Normal   | Channel Mode Modify fails to modify the RTP payload type number                            |          | 01/12/2024 06:24 AM | Related to #6328                                   |

| #    | Project           | Tracker | Status | Priority | Subject  | Assignee   | Updated             | Related issues   |
|------|-------------------|---------|--------|----------|--|------------|---------------------|------------------|
| 5851 | OsmoSGSN          | Bug     | New    | Normal   | check if rate ctr GMM_CTR_PKTS_UDATA_IN is correct increased in sgsn_gtp_data_req() func   |            | 01/10/2023 06:40 PM |                  |
| 1911 | SIMtrace 2        | Feature | New    | Normal   | check if we can have an enclosed version of simtrace v2                                    | tsaitgaist | 09/13/2018 12:40 PM |                  |
| 5644 | Osmocom Libraries | Bug     | New    | Normal   | Check library pkg-config files for proper dependencies                                     |            | 08/10/2022 01:02 PM | Related to #5644 |
| 2504 | OsmoGSMTester     | Support | New    | Normal   | check whether running osmo-* from docker images is feasible on osmo-gsm-tester             |            | 04/06/2020 11:28 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 |
| 3738 | OsmoMSC           | Feature | New    | Normal   | Clarify PS-part of struct vlr_subscr   |            | 12/19/2018 12:34 PM |                  |
| 4554 | OsmoMGW           | Bug     | New    | Normal   | Clean up stale endpoints after OsmoBSC crash   |            | 05/16/2020 08:52 PM |                  |
| 3622 | libosmo-abis      | Bug     | New    | Normal   | Clear API mess in sign_link_up callback  | pespin     | 10/02/2018 07:34 PM |                  |
| 3980 | OsmoMGW           | Bug     | New    | Normal   | Clear Command before CRCX OK may leak MGW endpoint   |            | 05/06/2019 10:11 PM |                  |
| 4484 | gr-osmosdr        | Bug     | New    | Normal   | CMakeFiles.txt   |            | 04/06/2020 05:19 PM |                  |
| 6283 | OsmoHNBGW         | Bug     | New    | Normal   | cnpool: hnbgw fails to extract Mobile Identity from some GMM Attach Request messages       |            | 12/04/2023 01:48 AM |                  |
| 6196 | OsmoMGW           | Bug     | New    | Normal   | Codec negotiation failure false positives  | dexter     | 12/07/2023 06:25 AM | Related to #6293 |
| 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 |
| 5218 | gr-osmosdr        | Bug     | New    | Normal   | compilation fails: "no matching function for call to fcd_source_c::connect"                |            | 09/05/2021 10:58 PM |                  |
| 4581 | OsmocomBB         | Support | New    | Normal   | compiler error assert.h no such file   |            | 06/05/2020 09:54 AM |                  |
| 4359 | gr-osmosdr        | Bug     | New    | Normal   | Compiling from Git Bramcj gr3.8 fails  |            | 01/12/2020 05:08 PM |                  |

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