

## Issues

| #    | Project                         | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|---------------------------------|---------|-------------|----------|---|----------|---------------------|--|
| 4638 | Altair LTE Modems               | Feature | New         | Normal   | Mikrotik R11e-4G mtd dump   |          | 06/13/2021 10:15 AM |  |
| 4341 | BBS-Revival                     | Feature | New         | Normal   | setup for telnet access to legacy BBS software which doesn't have telnet/tcp support            | laforge  | 10/03/2022 12:09 PM |  |
| 4242 | BBS-Revival                     | Feature | New         | Low      | offer CCC event schedule (Fahrplan) as gopher service   |          | 10/28/2019 09:22 AM |  |
| 4525 | Cellular Modem Information      | Feature | New         | Normal   | MTK   |          | 05/03/2020 03:57 PM | Is duplicate of #4525  |
| 3658 | Cellular Modem Information      | Feature | New         | Low      | Create a "osmocom-bb-host-latest" docker container  |          | 12/01/2019 09:07 AM | Related to #3658   |
| 4107 | Cellular Network Infrastructure | Feature | In Progress | High     | Start systemd services as non-root user   | osmith   | 04/29/2024 08:12 AM | Related to #4107, Related to #4821, Related to #4107, Related to #5669, Related to #5685, Related to #5687, Related to #5722 |
| 2623 | Cellular Network Infrastructure | Feature | New         | High     | SCCP/M3UA: detect restart of osmo-msc and osmo-sgsn   | neels    | 02/07/2021 12:55 PM | Related to #3403, Related to #4701   |
| 4578 | Cellular Network Infrastructure | Bug     | New         | High     | Updated slides / presentations / videos on setting up Osmocom CNI                               | laforge  | 02/13/2021 05:35 PM |  |
| 2604 | Cellular Network Infrastructure | Feature | Stalled     | High     | GSUP-to-DIAMETER converter / IWF  | laforge  | 02/29/2020 11:27 AM | Related to #5646   |
| 6198 | Cellular Network Infrastructure | Bug     | In Progress | Normal   | Patch releases for September 2023 Osmocom CNI releases  | roh      | 12/19/2023 01:29 PM | Related to #6253   |
| 3227 | Cellular Network Infrastructure | Feature | New         | Normal   | general idea: separate GSUP spec document   | roh      | 12/01/2019 09:26 AM | Is duplicate of #3227  |
| 5045 | Cellular Network Infrastructure | Feature | New         | Normal   | write libversion "major" on build files automatically based on LIBVERSION                       | pespin   | 02/24/2021 01:14 PM |  |
| 4091 | Cellular Network Infrastructure | Feature | New         | Normal   | Osmux: Make sure all handover types work fine if a call leg is using Osmux between BSC and MSC. | pespin   | 06/08/2020 07:08 PM |  |
| 6188 | Cellular Network Infrastructure | Bug     | New         | Normal   | Osmocom manuals have "draft" in debian packages of released versions                            | osmith   | 09/21/2023 04:37 PM |  |
| 5809 | Cellular Network Infrastructure | Bug     | Feedback    | Normal   | applications disrespect potentially VTY-configured tcp/telnet port                              | osmith   | 10/31/2023 09:34 AM |  |
| 5685 | Cellular Network Infrastructure | Bug     | Feedback    | Normal   | Dropping debian 10 (buster)   | osmith   | 04/04/2023 10:10 AM | Related to #5685, Related to #5685   |

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| 3417 | Cellular Network Infrastructure | Bug     | New         | Normal   | show asciidoc counters does not show all the counters available                            | osmith   | 12/01/2019 09:28 AM | Related to #3417, Related to #4848   |
| 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 |  |
| 4883 | Cellular Network Infrastructure | Bug     | New         | Normal   | update OsmoNITB migration guide  | neels    | 12/01/2020 08:32 AM |  |
| 6215 | Cellular Network Infrastructure | Bug     | New         | Normal   | Rebase open5gs pcrf_simple patches and submit upstream                                     | lynxis   | 10/18/2023 02:53 PM |  |
| 5929 | Cellular Network Infrastructure | Feature | In Progress | Normal   | document current (milestones of) nlnet funded projects; mention nlnet funding              | laforge  | 04/04/2023 10:05 AM |  |
| 5124 | Cellular Network Infrastructure | Feature | Feedback    | Normal   | network:osmocom:nightly feed with "-O0" builds   | laforge  | 05/11/2023 11:11 AM |  |
| 6349 | Cellular Network Infrastructure | Bug     | Feedback    | Normal   | example configs missing in release tarballs  | fixeria  | 01/29/2024 04:04 PM |  |
| 5749 | Cellular Network Infrastructure | Bug     | New         | Normal   | configure.ac: default CFLAGS, LT_INIT adds "-g -O2"  | fixeria  | 01/31/2023 08:12 PM |  |
| 4006 | Cellular Network Infrastructure | Feature | Stalled     | Normal   | TRX protocol: wind of change   | fixeria  | 10/27/2021 10:22 PM | Related to #4006, Related to #4006, Related to #4081, Related to #4658, Related to #4941, Related to #5283 |
| 6069 | Cellular Network Infrastructure | Feature | In Progress | Normal   | port hello-stk to ant-based build like mrlnc/HelloSTK2                                     | dexter   | 11/02/2023 12:52 PM |  |
| 6411 | Cellular Network Infrastructure | Bug     | Stalled     | Normal   | ttn3: execute testsuites with a more realistic link performance                            |          | 04/03/2024 06:25 PM |  |
| 5985 | Cellular Network Infrastructure | Bug     | New         | Normal   | tests: not all Osmocom projects have @osmoappdesc.py@                                      |          | 03/29/2023 08:09 PM |  |
| 5771 | Cellular Network Infrastructure | Feature | New         | Normal   | series of presentations about the individual CNI network elements                          |          | 11/14/2022 07:25 PM |  |
| 5764 | Cellular Network Infrastructure | Bug     | New         | Normal   | GCC does not check format strings in LOGPFMS macros  |          | 11/11/2022 06:30 AM |  |
| 5750 | Cellular Network Infrastructure | Bug     | New         | Normal   | contrib/jenkins.sh: build with -Wunused-macros and -Wundef                                 |          | 11/08/2022 08:07 PM |  |
| 5669 | Cellular Network Infrastructure | Bug     | New         | Normal   | Test .deb packages built by our OBS  |          | 09/21/2022 01:03 PM | Related to #5669, Related to #5669   |
| 5446 | Cellular Network Infrastructure | Feature | New         | Normal   | correlate git version to ttn3 tests  |          | 02/07/2022 09:40 PM | Related to #5446   |

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|------|---------------------------------|---------|----------|----------|---|----------|---------------------|--|
| 4376 | Cellular Network Infrastructure | Feature | New      | Normal   | Define distinct X timer numbers across all osmo programs                              |          | 01/23/2020 09:21 PM |  |
| 4333 | Cellular Network Infrastructure | Support | Feedback | Normal   | GSUP binary compatibility: add GSUP protocol version IE?                              |          | 12/16/2019 01:56 PM | Related to #4333, Related to #4333, Related to #4333                                 |
| 4141 | Cellular Network Infrastructure | Bug     | New      | Normal   | No osmux specific code in place during codec negotiation                              |          | 08/05/2019 03:57 PM |  |
| 2558 | Cellular Network Infrastructure | Feature | Stalled  | Normal   | Scripts to manage thousands of "mobile" and hundreds of osmo-bts-virtual instances    |          | 06/08/2020 07:07 PM | Related to #2557, Related to #2556, Related to #2555, Related to #2558, Blocks #2893 |
| 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               |
| 6352 | Cellular Network Infrastructure | Bug     | Stalled  | Low      | ttcn3-bts-test[-latest] is broken since Feb 1st / docker and multicast                | osmith   | 03/06/2024 03:57 PM |  |
| 6327 | Cellular Network Infrastructure | Feature | New      | Low      | Osmocom-build-tags-against-master job builds very basic configurations                | osmith   | 01/11/2024 08:17 PM |  |
| 6122 | Cellular Network Infrastructure | Bug     | New      | Low      | remove big endian support   | osmith   | 10/18/2023 05:20 PM | Related to #6122   |
| 5887 | Cellular Network Infrastructure | Bug     | New      | Low      | coverity: build everything in docker container and add CI                             | osmith   | 02/01/2023 10:25 AM |  |
| 4131 | Cellular Network Infrastructure | Bug     | Stalled  | Low      | osmo-gsm-manuals: Use leveloffset attribute on common documents                       | osmith   | 12/01/2019 09:48 AM | Related to #4140   |
| 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   |
| 4069 | Cellular Network Infrastructure | Bug     | New      | Low      | Implement IPA PING/PONG mechanism everywhere  | osmith   | 02/06/2021 02:27 PM | Related to #4072   |
| 3982 | Cellular Network Infrastructure | Feature | Feedback | Low      | osmo-depcheck.py: set dependency hashes on command line                               | osmith   | 05/15/2023 09:51 AM |  |
| 3477 | Cellular Network Infrastructure | Feature | New      | Low      | add a wiki page explaining interconnection between components across several machines | osmith   | 12/01/2019 09:29 AM |  |
| 3386 | Cellular Network Infrastructure | Feature | New      | Low      | Generate man pages at build time from adoc files                                      | osmith   | 05/11/2023 11:24 AM | Precedes #3386   |
| 3382 | Cellular Network Infrastructure | Bug     | New      | Low      | Investigate and fix lintian issues listed by Debian Lintian Report                    | osmith   | 12/01/2019 09:27 AM |  |

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| 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                   |
| 2451 | Cellular Network Infrastructure | Feature | New     | Low      | Add static builds to jenkins jobs  | osmith    | 09/30/2018 08:18 AM |                                    |
| 3714 | Cellular Network Infrastructure | Feature | New     | Low      | implement Internal Handover With MSC Support                                     | neels     | 02/06/2021 02:04 PM | Related to #3714                   |
| 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                   |
| 3567 | Cellular Network Infrastructure | Bug     | New     | Low      | coverity: move the secret token out of \$HOME/osmo-ci/...                        | lynxis    | 07/18/2019 05:22 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 |
| 1975 | Cellular Network Infrastructure | Feature | New     | Low      | Redesigned configuration management / MIB  | laforge   | 02/16/2021 05:59 PM |                                    |
| 4073 | Cellular Network Infrastructure | Feature | Stalled | Low      | try to get counter and vty reference information at compile time                 | Hoernchen | 02/06/2021 02:17 PM | Related to #4073, Related to #4848 |
| 3699 | Cellular Network Infrastructure | Feature | Stalled | Low      | merge Debian patches   | Hoernchen | 01/08/2020 10:24 PM | Related to #3699, Related to #3753 |
| 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                   |
| 6243 | Cellular Network Infrastructure | Feature | New     | Low      | vty cfg: make changing startup defaults of applications backwards compatible     |           | 11/01/2023 07:06 PM |                                    |
| 5908 | Cellular Network Infrastructure | Feature | New     | Low      | Cleanup license information throughout the projects                              |           | 02/16/2023 11:02 AM |                                    |
| 5819 | Cellular Network Infrastructure | Bug     | New     | Low      | Gerrit/gitiles: Parent links don't work  |           | 12/08/2022 01:28 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                   |
| 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 |                                    |
| 5013 | Cellular Network Infrastructure | Feature | New     | Low      | investigate "vtysh" for Osmocom  |           | 02/06/2021 02:14 PM | Related to #5013                   |
| 4587 | Cellular Network Infrastructure | Feature | New     | Low      | Add port numbers to /etc/services during installation                            |           | 06/08/2020 10:28 AM | Related to #5013                   |
| 4277 | Cellular Network Infrastructure | Feature | New     | Low      | implement an SMSC to work with OsmoMSC   |           | 11/22/2019 02:45 PM |                                    |
| 4108 | Cellular Network Infrastructure | Bug     | New     | Low      | osmo-ctrl2cgi, osmo-trap2cgi: missing default configs                            |           | 07/16/2019 12:30 PM | Related to #4108                   |

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| 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 |                                   |
| 3694 | Cellular Network Infrastructure | Bug     | New         | Low      | Fix lintian warnings in .deb packages   |          | 07/18/2019 05:20 AM | Related to #3699                  |
| 3670 | Cellular Network Infrastructure | Feature | New         | Low      | TTCN-3 tests for statsd exporter code   |          | 09/04/2019 09:03 AM |                                   |
| 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                  |
| 3142 | Cellular Network Infrastructure | Feature | New         | Low      | Further simplification of "NITB like" setups  |          | 04/05/2018 08:09 PM |                                   |
| 2839 | Cellular Network Infrastructure | Bug     | New         | Low      | statistics split between 2G and 3G  |          | 07/18/2019 05:22 AM |                                   |
| 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                  |
| 1612 | Cellular Network Infrastructure | Bug     | New         | Low      | more configuration consistency checking   |          | 09/30/2018 11:48 AM |                                   |
| 1598 | Cellular Network Infrastructure | Feature | New         | Low      | Scripting language interface  |          | 12/10/2017 08:04 PM |                                   |
| 1596 | Cellular Network Infrastructure | Feature | New         | Low      | Generation of accounting/billing data   |          | 12/10/2017 08:03 PM |                                   |
| 1590 | Cellular Network Infrastructure | Feature | New         | Low      | Extension of Control Interface / external SNMP agent  |          | 07/18/2019 05:22 AM |                                   |
| 4576 | Core testing infrastructure     | Bug     | Stalled     | High     | ttcn3-hlr-tests need to route multicast traffic between ttcn3-hlr-test and osmo-hlr-master containers | neels    | 10/28/2020 09:48 PM |                                   |
| 6386 | Core testing infrastructure     | Bug     | In Progress | Normal   | eclipse-titan 9.0.0 not building in debian unstable   | osmith   | 03/04/2024 02:10 PM |                                   |
| 5301 | Core testing infrastructure     | Bug     | Stalled     | Normal   | Run TTCN3 docker tests with sanitizer enabled   | osmith   | 03/20/2024 09:28 AM | Related to #5302                  |
| 6185 | Core testing infrastructure     | Bug     | New         | Normal   | Submit titan.ProtocolEmulations.SCCP patch upstream   | neels    | 09/20/2023 06:22 PM |                                   |
| 5632 | Core testing infrastructure     | Bug     | In Progress | Normal   | better test result summary / notifications  | lynxis   | 08/31/2022 11:58 AM |                                   |
| 6023 | Core testing infrastructure     | Feature | Stalled     | Normal   | test rack/lab power management software with usage/reference counting                                 | laforge  | 10/18/2023 05:42 PM |                                   |
| 4692 | Core testing infrastructure     | Feature | Stalled     | Normal   | finally implement testing of the actual voice audio path  | laforge  | 04/19/2021 06:27 PM |                                   |
| 5665 | Core testing infrastructure     | Bug     | Stalled     | Normal   | ERROR: files left in build directory after distclean: ./tests/core                                    | fixeria  | 11/14/2023 12:39 PM | Related to #5665,Related to #5858 |

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|------|-----------------------------|---------|-------------|----------|---|----------|---------------------|------------------|
| 5760 | Core testing infrastructure | Feature | Stalled     | Normal   | Develop TTCN-3 test suite for MME   | dexter   | 10/04/2023 01:51 PM |                  |
| 6273 | Core testing infrastructure | Bug     | Feedback    | Normal   | TTCN3 tests keep suffering from race conditions on shutdown   | daniel   | 12/05/2023 03:29 PM |                  |
| 6242 | Core testing infrastructure | Feature | New         | Normal   | Test eUPF against ttcn3-upf-test setup  |          | 12/18/2023 11:33 AM |                  |
| 6029 | Core testing infrastructure | Bug     | New         | Normal   | Single TTCN3 BSC handover test fails  |          | 10/18/2023 05:31 PM |                  |
| 5858 | Core testing infrastructure | Bug     | Feedback    | Normal   | osmo-python-tests: Ignore, at least clean up 'tmp_dummy_sock'   |          | 02/22/2023 06:25 PM | Related to #5858 |
| 5762 | Core testing infrastructure | Feature | New         | Normal   | Develop TTCN-3 test suite for PGW   |          | 11/10/2022 06:38 PM |                  |
| 5761 | Core testing infrastructure | Feature | New         | Normal   | Develop TTCN-3 test suite for SGW   |          | 11/09/2022 09:49 PM |                  |
| 5323 | Core testing infrastructure | Feature | New         | Normal   | Add docker image containing titan.core master   |          | 12/15/2021 04:43 PM | Related to #6187 |
| 5011 | Core testing infrastructure | Bug     | New         | Normal   | Warning about unrecognized escape sequence in Osmocom_CTRL_Types  |          | 02/05/2021 11:21 AM |                  |
| 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 |
| 5919 | Core testing infrastructure | Bug     | New         | Low      | osmo-python-tests: Update/fix README or setup process   | osmith   | 03/20/2023 10:17 AM |                  |
| 6381 | Core testing infrastructure | Bug     | Feedback    | Low      | libosmocore changes take too long until they propagate through OBS master   | laforge  | 03/01/2024 10:10 AM |                  |
| 5128 | Core testing infrastructure | Feature | New         | Low      | dec_FlmacDlCtrlBlock: Get rid of annoying warning about remaining padding   |          | 12/09/2021 09:14 PM |                  |
| 4458 | Core testing infrastructure | Feature | New         | Low      | Set up a STF (Smartphone Testing Farm)  |          | 03/18/2020 02:44 PM |                  |
| 4308 | Distributed GSM             | Support | New         | High     | thoughts about incorporating credit / billing in D-GSM  |          | 12/04/2019 04:08 PM |                  |
| 4268 | Distributed GSM             | Bug     | In Progress | Normal   | duplicate SMS when SMPP handler sends back to the originating MSC   | neels    | 06/08/2020 03:11 PM |                  |
| 4705 | Distributed GSM             | Bug     | New         | Normal   | osmo-hlr user manual: explain the mslookup domain suffix "mdns.osmocom.org", it has no mention in the user manual |          | 08/13/2020 12:54 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 |                  |
| 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 |
| 4306 | Distributed GSM             | Feature | Stalled     | Low      | GSUP proxy cache: store data persistently   |          | 05/20/2020 09:18 PM | Precedes #4306   |

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| 4305 | Distributed GSM                              | Feature | Stalled     | Low      | GSUP proxy: cache auth tuples to re-use / fall back to simpler auth methods |           | 04/28/2020 02:37 PM | Precedes #4306                     |
| 6417 | E1/T1 Hardware Interface (including icE1usb) | Feature | In Progress | Normal   | CRC4 configuration  | tnt       | 04/28/2024 03:44 PM |                                    |
| 5710 | E1/T1 Hardware Interface (including icE1usb) | Feature | New         | Normal   | rs422: Merge as much of the gateway in master as possible                   | tnt       | 10/13/2022 06:53 PM | Related to #5710                   |
| 5709 | E1/T1 Hardware Interface (including icE1usb) | Feature | New         | Normal   | rs422: Merge as much of the firmware into master to avoid separate branch   | tnt       | 10/13/2022 06:49 PM | Related to #5709                   |
| 5708 | E1/T1 Hardware Interface (including icE1usb) | Bug     | New         | Normal   | rs422: Support runtime re-init of the GPS receiver                          | tnt       | 10/13/2022 06:46 PM | Related to #5708                   |
| 5490 | E1/T1 Hardware Interface (including icE1usb) | Bug     | Feedback    | Normal   | ISO IN urb sometimes completes with less than full data / incomplete frame  | tnt       | 09/15/2022 12:34 PM |                                    |
| 6416 | E1/T1 Hardware Interface (including icE1usb) | Support | Feedback    | Normal   | Serial debug tty port speed   | pfassberg | 03/22/2024 06:52 PM |                                    |
| 6434 | E1/T1 Hardware Interface (including icE1usb) | Support | New         | Normal   | D-channel do not recover after underrun                                     |           | 04/27/2024 09:03 PM |                                    |
| 5402 | E1/T1 Hardware Interface (including icE1usb) | Bug     | New         | Normal   | no2e1 gateway improvements  |           | 01/13/2022 12:02 PM |                                    |
| 4910 | E1/T1 Hardware Interface (including icE1usb) | Feature | New         | Low      | Automatically set the A / alarm bits in Tx if no signal on Rx               | tnt       | 04/29/2024 09:30 AM | Related to #5381                   |
| 6415 | E1/T1 Hardware Interface (including icE1usb) | Bug     | New         | Low      | osmo_panic after truncated packet   | laforge   | 03/22/2024 06:54 PM |                                    |
| 5381 | E1/T1 Hardware Interface (including icE1usb) | Bug     | New         | Low      | icE1usb DAHDI driver: generate YELLOW alarm towards peer                    | laforge   | 01/02/2022 12:16 PM | Related to #5381, Related to #5381 |
| 5382 | E1/T1 Hardware Interface (including icE1usb) | Bug     | New         | Low      | icE1usb: detect all-1 pattern and report as BLUE alarm                      |           | 01/02/2022 12:17 PM | Related to #5382                   |
| 5571 | Ericsson RBS 6xxx                            | Bug     | New         | High     | DUG can come up, but with Avail: "Power Off"                                | dexter    | 11/08/2022 05:10 PM |                                    |
| 4534 | Ericsson RBS 6xxx                            | Support | Stalled     | Normal   | Take pictures of RBS6k gear for documentation                               | roh       | 05/20/2020 03:19 PM |                                    |
| 5307 | Ericsson RBS 6xxx                            | Feature | New         | Normal   | Support for Multiple Sectors at an RBS site.                                |           | 11/13/2021 08:20 PM |                                    |

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| 6377 | erlang/osmo_ss7 | Bug     | Feedback | Normal   | ipa: Failure decoding ipa frames split between several tcp packets  | pespin   | 02/28/2024 03:00 PM |                |
| 5378 | erlang/osmo_ss7 | Bug     | New      | Normal   | ipa: add support for client application   | laforge  | 01/05/2022 08:36 PM |                |
| 2805 | FidoNet         | Bug     | New      | Low      | Create reproducible / semi-automatic way to create FidoNet node on Linux  |          | 07/18/2019 05:34 AM |                |
| 3819 | gr-osmosdr      | Support | New      | Urgent   | OSMO SDR blocks for GNUradio  |          | 02/28/2019 06:00 PM |                |
| 5144 | gr-osmosdr      | Bug     | New      | High     | Support multiple Airspy devices   | horiz0n  | 10/21/2023 07:22 PM |                |
| 5731 | gr-osmosdr      | Bug     | New      | High     | Install gr-osmosdr on Ubuntu 20.04  |          | 10/27/2022 01:39 PM |                |
| 5425 | gr-osmosdr      | Bug     | New      | High     | Problem receiving samples using dual receivers with BladeRF   |          | 01/29/2022 04:22 AM |                |
| 3734 | gr-osmosdr      | Bug     | New      | High     | Cannot compile gr-osmocom   |          | 12/16/2018 12:22 AM |                |
| 2824 | gr-osmosdr      | Bug     | New      | High     | Corrupted double-linked for Raspbian Stretch when running osmocom_fft (and any other program using osmosdr.source |          | 06/03/2018 12:08 PM |                |
| 4942 | gr-osmosdr      | Bug     | New      | Normal   | XTRX: Unable to compile due to error  | RFNOD    | 01/12/2021 08:29 PM |                |
| 6443 | gr-osmosdr      | Bug     | New      | Normal   | RF gain: erroneously using 14   | horiz0n  | 04/27/2024 06:21 PM |                |
| 4098 | gr-osmosdr      | Bug     | New      | Normal   | [BladeRF micro] Arguments set in osmocom Sink and Source are not passed to libbladerf                             | horiz0n  | 07/18/2019 05:35 AM |                |
| 3882 | gr-osmosdr      | Bug     | New      | Normal   | Cannot compile gr-osmosdr!  | horiz0n  | 07/18/2019 05:35 AM |                |
| 3855 | gr-osmosdr      | Bug     | New      | Normal   | Cannot build gr-osmosdr with Gnuradio 3.8   | horiz0n  | 07/13/2020 10:05 PM |                |
| 3802 | gr-osmosdr      | Feature | New      | Normal   | New release   | horiz0n  | 02/15/2019 07:22 AM |                |
| 3592 | gr-osmosdr      | Bug     | New      | Normal   | rtl: Race Conditions  | horiz0n  | 07/18/2019 05:35 AM |                |
| 3512 | gr-osmosdr      | Support | New      | Normal   | Bug #3462 on Arch Linux; gr-osmosdr install fails   | horiz0n  | 01/26/2019 06:10 PM |                |
| 3462 | gr-osmosdr      | Bug     | New      | Normal   | gr-osmosdr installation bladerf conversion errors   | horiz0n  | 07/18/2019 05:35 AM |                |
| 3414 | gr-osmosdr      | Feature | New      | Normal   | Include Airspy serial number in connection string.  | horiz0n  | 07/24/2018 04:52 AM |                |
| 5808 | gr-osmosdr      | Feature | New      | Normal   | New option, for selecting an input channel of a soapy_source_c  |          | 12/05/2022 11:45 AM |                |
| 5460 | gr-osmosdr      | Bug     | New      | Normal   | Please use double for ppm with fcdp/pp  |          | 02/17/2022 10:43 PM |                |
| 5445 | gr-osmosdr      | Bug     | New      | Normal   | Please switch to the gr-funcube   |          | 02/15/2022 11:56 PM |                |
| 5352 | gr-osmosdr      | Bug     | New      | Normal   | ImportError: generic_type: type "sink" referenced unknown base type "gr::hier_block2"                             |          | 12/11/2021 08:19 AM |                |
| 5298 | gr-osmosdr      | Bug     | New      | Normal   | object has no attribute 'pyqwidget' on arch linux   |          | 11/09/2021 01:25 AM |                |
| 5218 | gr-osmosdr      | Bug     | New      | Normal   | compilation fails: "no matching function for call to fcd_source_c::connect"                                       |          | 09/05/2021 10:58 PM |                |
| 5008 | gr-osmosdr      | Bug     | New      | Normal   | Quoted whitespace parsing problem in source_impl::source_impl   |          | 02/04/2021 02:16 AM |                |



| #    | Project                | Tracker | Status  | Priority | Subject   | Assignee | Updated             | Related issues             |
|------|------------------------|---------|---------|----------|---|----------|---------------------|----------------------------|
| 4950 | gr-osmosdr             | Bug     | New     | Normal   | gr-osmosdr doesn't find iqbalance during build                                      |          | 02/22/2021 02:46 AM |                            |
| 4484 | gr-osmosdr             | Bug     | New     | Normal   | CMakeFiles.txt  |          | 04/06/2020 05:19 PM |                            |
| 4359 | gr-osmosdr             | Bug     | New     | Normal   | Compiling from Git Bramcj gr3.8 fails   |          | 01/12/2020 05:08 PM |                            |
| 4325 | gr-osmosdr             | Bug     | New     | Normal   | can't open hackrf_sink with device index  |          | 12/13/2019 09:18 AM |                            |
| 3663 | gr-osmosdr             | Bug     | New     | Normal   | Can't compile gr-osmosdr on macOS Mojave  |          | 10/19/2018 02:37 PM |                            |
| 3596 | gr-osmosdr             | Feature | New     | Normal   | TX Tags   |          | 09/25/2018 04:01 PM |                            |
| 3595 | gr-osmosdr             | Feature | New     | Normal   | RX Tags   |          | 09/25/2018 04:01 PM |                            |
| 3594 | gr-osmosdr             | Feature | New     | Normal   | Message Commands  |          | 09/25/2018 03:59 PM |                            |
| 3240 | gr-osmosdr             | Bug     | New     | Normal   | Expose airspy gain setting in gr-osmosdr block                                      |          | 06/03/2018 12:08 PM |                            |
| 2216 | gr-osmosdr             | Bug     | New     | Normal   | uhd: LO offset doesn't seem to work properly  |          | 06/03/2018 12:08 PM |                            |
| 3597 | gr-osmosdr             | Feature | New     | Low      | rtl: send final samples when device is lost   | horiz0n  | 07/18/2019 05:35 AM |                            |
| 3593 | gr-osmosdr             | Bug     | New     | Low      | rtl: 'len' argument ignored in librtlsdr callback                                   | horiz0n  | 07/18/2019 05:35 AM |                            |
| 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 |                            |
| 2514 | GSM Audio Pocket Knife | Bug     | Stalled | Normal   | GSM HR encoding result does not match the reference                                 | fixeria  | 04/03/2019 08:37 AM |                            |
| 3398 | GSM Audio Pocket Knife | Bug     | New     | Low      | build: configure fails if (optional) libalsa wasn't found                           | fixeria  | 12/01/2019 10:08 AM |                            |
| 4495 | IMSI Pseudonymization  | Feature | New     | Normal   | Specification: More references  | neels    | 05/27/2020 01:11 PM |                            |
| 4494 | IMSI Pseudonymization  | Feature | New     | Normal   | Specification: Add bibliography   | neels    | 05/27/2020 01:11 PM |                            |
| 4493 | IMSI Pseudonymization  | Feature | New     | Normal   | Specification: Cover 2G, 3G and 4G separately                                       | neels    | 05/27/2020 01:11 PM |                            |
| 4476 | IMSI Pseudonymization  | Feature | Stalled | Normal   | OsmoHLR: support IMSI pseudo in location update                                     | neels    | 05/27/2020 01:11 PM | Blocks #4477               |
| 4490 | IMSI Pseudonymization  | Feature | New     | Normal   | Specification: how would IMSI-pseudo interact within a combined (2G-4G)+5G network? |          | 04/16/2020 08:44 AM |                            |
| 4489 | IMSI Pseudonymization  | Feature | New     | Normal   | Specification: mark mandatory parts / implementation details as such                |          | 04/16/2020 08:44 AM |                            |
| 4486 | IMSI Pseudonymization  | Feature | New     | Normal   | Applet: gracefully handle case where timer is set twice                             |          | 04/16/2020 08:45 AM |                            |
| 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           |
| 4479 | IMSI Pseudonymization  | Feature | New     | Normal   | Applet: change IMSI after receiving SMS   |          | 04/16/2020 08:45 AM |                            |
| 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           |
| 4477 | IMSI Pseudonymization  | Feature | New     | Normal   | OsmoHLR: send next pseudo IMSI via SMS  |          | 04/16/2020 08:45 AM | Blocks #4477, Blocks #4477 |

| #    | Project               | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                                   |
|------|-----------------------|---------|-------------|----------|--|----------|---------------------|--|
| 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                                 |
| 4404 | IMSI Pseudonymization | Feature | Stalled     | Normal   | Research: Make sure that we can silently detach the IMSI                                   |          | 04/15/2020 10:06 AM | Related to #4404, Related to #4480               |
| 4403 | IMSI Pseudonymization | Feature | Feedback    | Normal   | OsmoHLR: How to interface with SMS service?  |          | 04/16/2020 08:45 AM | Blocks #4477                                     |
| 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 |  |
| 3622 | libosmo-abis          | Bug     | New         | Normal   | Clear API mess in sign_link_up callback  | pespin   | 10/02/2018 07:34 PM |  |
| 5896 | libosmo-abis          | Bug     | Feedback    | Normal   | libosmo-abis built without --enable-e1d in deb and rpm packages                            | laforge  | 02/07/2023 11:40 AM | Blocks #5896                                     |
| 5691 | libosmo-abis          | Feature | Stalled     | Normal   | Expose DAHDI statistics to prometheus  | laforge  | 01/05/2023 06:06 PM |  |
| 4464 | libosmo-abis          | Bug     | In Progress | Normal   | "osmo_rtp_socket_poll(): ERROR!" messages during normal osmo-bts usage                     | laforge  | 02/06/2021 02:27 PM | Related to #4467                                 |
| 5756 | libosmo-abis          | Bug     | New         | Normal   | io_uring support in libosmo-abis   |          | 03/20/2024 03:58 PM | Related to #5756, Related to #6357, Blocks #5896 |
| 5356 | libosmo-abis          | Bug     | New         | Normal   | libosmo-abis: osmo_rtp_socket_connect() not calling connect() on sockets                   |          | 12/13/2021 12:50 PM |  |
| 2571 | libosmo-abis          | Bug     | New         | Low      | libosmo-abis API documentation missing (doxygen)   | osmith   | 02/06/2021 02:27 PM |  |
| 5766 | libosmo-abis          | Feature | New         | Low      | use Linux kernel KCM for IPA header?   |          | 11/13/2022 08:15 AM | Related to #5766                                 |
| 4860 | libosmo-abis          | Feature | New         | Low      | Implement separation of line/TEI/datalinks in E1 pcap                                      |          | 11/04/2021 06:31 PM |  |
| 2717 | libosmo-abis          | Bug     | New         | Low      | libosmo-abis doesn't use ipa_ccm_make_id_resp()  |          | 12/06/2017 05:47 PM |  |
| 5931 | libosmo-netif         | Bug     | New         | High     | heap-use-after-free when osmo_stream_srv_destroy() is called inside read_cb()              | daniel   | 03/02/2023 11:03 AM |  |
| 3812 | libosmo-netif         | Bug     | Stalled     | Normal   | stream_test fails depending on where it is run   |          | 03/13/2019 04:15 PM |  |
| 2440 | libosmo-netif         | Bug     | New         | Normal   | Osmux: Improve lost packet recreation mechanism  |          | 12/01/2019 10:11 AM | Blocks #2439                                     |
| 2439 | libosmo-netif         | Bug     | New         | Normal   | Osmux: overwrite duplicated RTP packets instead of dropping them                           |          | 12/01/2019 10:11 AM | Blocks #2439                                     |
| 5368 | libosmo-netif         | Bug     | Feedback    | Low      | consider using SCTP_EVENT instead of SCTP_EVENTS   |          | 12/23/2021 09:09 AM | Related to #5368, Related to #5368               |
| 3006 | libosmo-netif         | Bug     | New         | Low      | Osmux: improvements on lost/dropped RTP packets  |          | 09/30/2018 08:34 AM |  |
| 5648 | libosmo-pfcp          | Feature | New         | Normal   | implement common PFCP CPF client VTY config  |          | 08/17/2022 03:29 PM | Related to #5648                                 |
| 3420 | libosmo-ranap         | Bug     | Stalled     | Normal   | ranap_transp_assoc_decode() decodes X.213 NSAP address headers as IP address               | osmith   | 07/17/2021 10:14 AM |  |

| #    | Project                        | Tracker | Status      | Priority | Subject  | Assignee  | Updated             | Related issues  |
|------|--------------------------------|---------|-------------|----------|--|-----------|---------------------|---|
| 6356 | libosmo-sccp + libosmo-sigtran | Bug     | New         | Normal   | DLGLOBAL ERROR Trying to dispatch event 17 to non-existent FSM instance! (osmo_ss7_as.c:118)   | pespin    | 02/08/2024 10:27 PM |   |
| 5917 | libosmo-sccp + libosmo-sigtran | Feature | Feedback    | Normal   | immediately detect SCTP SHUTDOWN in SCCP link / in SCCP user / in active SCCP connections  | neels     | 03/20/2023 10:23 AM |   |
| 5679 | libosmo-sccp + libosmo-sigtran | Feature | In Progress | Normal   | unsupported SCCP user primitive N-PCSTATE.indication   | neels     | 02/18/2023 01:46 AM |   |
| 2259 | libosmo-sccp + libosmo-sigtran | Bug     | New         | Normal   | problem with local reference   | laforge   | 07/19/2017 04:25 PM |   |
| 4072 | libosmo-sccp + libosmo-sigtran | Bug     | New         | Normal   | Implement IPA PING/PONG mechanism in libosmo-sigtran +   | Hoernchen | 06/21/2019 02:51 PM | Related to #4072  |
| 6240 | libosmo-sccp + libosmo-sigtran | Bug     | Feedback    | Normal   | libosmo-sigtran doesn't reject M3UA with "M3UA Network Appearance"   | daniel    | 10/31/2023 02:56 PM | Related to #6241  |
| 6239 | libosmo-sccp + libosmo-sigtran | Feature | New         | Normal   | finally deprecate libosmo-sccp (headers, static lib)   |           | 10/31/2023 07:31 PM |   |
| 4925 | libosmo-sccp + libosmo-sigtran | Bug     | New         | Normal   | SCTP multihoming / ABORT between osmo-msc and osmo-stp   |           | 01/04/2021 11:32 AM | Related to #4926  |
| 4635 | libosmo-sccp + libosmo-sigtran | Feature | New         | Normal   | quirks when initializing SS7 ASP   |           | 06/25/2020 04:46 PM | Related to #4635  |
| 4457 | libosmo-sccp + libosmo-sigtran | Bug     | New         | Normal   | editing the SCCP address book (global-title) on a running instance may crash the application   |           | 03/17/2020 11:17 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  |
| 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 |   |
| 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              |
| 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 |   |
| 3871 | libosmo-sccp + libosmo-sigtran | Bug     | Feedback    | Low      | osmo_scu_prim conn_id should be scoped per-user and direction, and should not correlate with the local-reference spoken on the SCCP wire | laforge   | 04/02/2023 09:01 AM | Related to #3871,Related to #3871,Related to #5579,Blocks #3872 |
| 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 |   |
| 6241 | libosmo-sccp + libosmo-sigtran | Feature | New         | Low      | M3UA "Network Appearance" support  |           | 10/31/2023 03:00 PM | Related to #6241  |
| 5561 | libosmo-sccp + libosmo-sigtran | Bug     | New         | Low      | pc=0=0.0.0 / RCOE-ERROR.ind not permitted  |           | 05/23/2023 06:20 AM |   |

| #    | Project                        | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|--------------------------------|---------|-------------|----------|---|----------|---------------------|--|
| 2009 | libosmo-sccp + libosmo-sigtran | Feature | New         | Low      | Implement SCCP connection coupling ("proxy")                                  |          | 04/10/2017 12:09 PM |  |
| 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 |  |
| 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 |  |
| 2000 | libosmo-sccp + libosmo-sigtran | Feature | New         | Low      | use m3ua-testtool for the ASP-side verification                               |          | 07/18/2019 05:42 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 |  |
| 6437 | libosmocore                    | Bug     | Feedback    | Normal   | osmo_io_ops segmentation_cb missing parameter holding state                   | pespin   | 04/19/2024 10:17 AM |  |
| 6232 | libosmocore                    | Bug     | New         | Normal   | jenkins should give all libosmocore config options a try                      | osmith   | 10/22/2023 04:16 PM |  |
| 4842 | libosmocore                    | Bug     | In Progress | Normal   | gsm0408 test fails on several architectures                                   | neels    | 08/23/2022 04:38 PM |  |
| 4700 | libosmocore                    | Bug     | Feedback    | Normal   | 'socket' C test fails when there is no IPv6                                   | neels    | 03/24/2021 12:33 PM |  |
| 5716 | libosmocore                    | Bug     | New         | Normal   | Replace dynamic (DEAD) NSE if we receive an NS_RESET from a conflicting NSVC  | lynxis   | 10/17/2022 04:40 PM |  |
| 5507 | libosmocore                    | Feature | New         | Normal   | Optimize reset time after SGSN is restarted                                   | lynxis   | 03/31/2022 12:33 PM |  |
| 5277 | libosmocore                    | Bug     | New         | Normal   | ns2: Allow SNS-CONFIG PDUs from unknown endpoints during config procedure     | lynxis   | 10/22/2021 02:28 PM |  |
| 5208 | libosmocore                    | Bug     | Feedback    | Normal   | ns2: add testcase for SNS Size with invalid tlv                               | lynxis   | 02/12/2023 08:37 PM |  |
| 5180 | libosmocore                    | Bug     | In Progress | Normal   | ns2: Document NS inspection/blocking commands                                 | lynxis   | 06/15/2021 01:10 PM |  |
| 5179 | libosmocore                    | Bug     | New         | Normal   | gprs_ns2: use refcounting for the NSE   | lynxis   | 06/13/2021 03:08 AM |  |
| 4727 | libosmocore                    | Feature | Feedback    | Normal   | Add more distro/platform/archs to jenkins CI                                  | laforge  | 05/15/2023 09:48 AM | Is duplicate of #4789  |
| 4149 | libosmocore                    | Bug     | New         | Normal   | osmo_fsm allows event names to have spaces in them                            | laforge  | 01/25/2022 09:53 AM |  |
| 4105 | libosmocore                    | Feature | New         | Normal   | Support for LTE key derivation functions                                      | laforge  | 07/13/2019 02:07 AM | Related to #4105   |
| 4104 | libosmocore                    | Bug     | New         | Normal   | support for KASME generation  | laforge  | 07/12/2019 10:15 AM | Related to #4105   |
| 1762 | libosmocore                    | Bug     | New         | Normal   | Review LAPD code for race conditions regarding state, particularly in RELEASE | laforge  | 03/24/2021 12:37 PM | Related to #1760, Related to #1761, Related to #1982, Related to #2694 |

| #    | Project    | Tracker | Status   | Priority | Subject  | Assignee  | Updated             | Related issues                    |
|------|------------|---------|----------|----------|--|-----------|---------------------|-----------------------------------|
| 6233 | libosmcore | Bug     | Feedback | Normal   | --enable-embedded build fails if pkg-config can't find some of the (disabled) dependencies | Hoernchen | 11/24/2023 04:15 PM |                                   |
| 6162 | libosmcore | Bug     | Feedback | Normal   | master build failure with clang-16   | Hoernchen | 11/18/2023 09:17 AM |                                   |
| 5570 | libosmcore | 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                  |
| 4797 | libosmcore | Bug     | Feedback | Normal   | vty: the output of 'show ns' command is confusing  | fixeria   | 10/23/2020 05:35 PM | Related to #4855,Related to #5085 |
| 4731 | libosmcore | Bug     | Stalled  | Normal   | LAPDm does not implement SAPI priorities between data link layers                          | fixeria   | 08/28/2020 11:21 AM | Related to #4731,Related to #4731 |
| 3521 | libosmcore | Feature | New      | Normal   | core/utills: engineering notation helpers  | fixeria   | 09/04/2018 08:32 PM |                                   |
| 6393 | libosmcore | Bug     | New      | Normal   | osmo_io conflating osmo_iofd_unregister vs osmo_iofd_close                                 | daniel    | 03/07/2024 09:47 AM |                                   |
| 6440 | libosmcore | Bug     | Feedback | Normal   | VTY: 'write file' breaks 'show startup-config'   |           | 04/26/2024 04:23 AM |                                   |
| 6438 | libosmcore | Bug     | New      | Normal   | write_config_file() calls blocking sync()  |           | 04/26/2024 09:15 AM |                                   |
| 6410 | libosmcore | Bug     | New      | Normal   | osmo_io poll backend doesn't work on file descriptors that are not sockets                 |           | 03/19/2024 07:33 PM |                                   |
| 6388 | libosmcore | Feature | New      | Normal   | stats_reporter via osmo_io / io_uring?   |           | 03/02/2024 04:54 PM | Related to #6388                  |
| 6374 | libosmcore | Bug     | New      | Normal   | libosmcore --disable-libsctp not tested by jenkins   |           | 02/23/2024 03:47 PM |                                   |
| 6360 | libosmcore | Bug     | New      | Normal   | libosmovty fails to parse commands like "test (foo bar) [(one two three)]"                 |           | 02/14/2024 09:25 PM |                                   |
| 6344 | libosmcore | Feature | New      | Normal   | New TS 24.008 Bearer Capability codec API  |           | 01/24/2024 11:19 PM | Related to #6344                  |
| 5864 | libosmcore | Bug     | New      | Normal   | Libosmcore: Fix order of config parsing output   |           | 02/04/2023 05:21 PM |                                   |
| 5818 | libosmcore | Bug     | New      | Normal   | multithreaded logging causes lock contention and needs a rework                            |           | 01/10/2024 09:05 AM |                                   |
| 5029 | libosmcore | Bug     | New      | Normal   | vty: optional cases with multiple arguments is undefined behaviour                         |           | 02/18/2021 05:44 PM |                                   |
| 4908 | libosmcore | Bug     | New      | Normal   | Errors compiling with -std=c++14   |           | 03/01/2021 03:38 PM |                                   |
| 4885 | libosmcore | Bug     | New      | Normal   | configure doesn't check for python3  |           | 12/02/2020 03:36 AM |                                   |
| 4746 | libosmcore | Bug     | New      | Normal   | gb: NS2: implement a NSE based logfilter   |           | 11/14/2020 08:42 AM |                                   |
| 4591 | libosmcore | Feature | New      | Normal   | Export FSM states and statistics with counters   |           | 03/24/2021 12:34 PM |                                   |
| 4590 | libosmcore | Feature | New      | Normal   | Export talloc data as counters for better memory leakage monitoring in production          |           | 09/12/2022 03:53 PM |                                   |
| 4443 | libosmcore | Bug     | New      | Normal   | CTRL interface blocks wildcard in rate_ctr   |           | 03/08/2020 01:06 PM | Related to #4443,Related to #4443 |
| 4265 | libosmcore | Bug     | New      | Normal   | --enable-embedded doesn't work as expected   |           | 11/12/2019 11:18 AM |                                   |

| #    | Project    | Tracker | Status      | Priority | Subject   | Assignee  | Updated             | Related issues                         |
|------|------------|---------|-------------|----------|---|-----------|---------------------|--|
| 3983 | libosmcore | Bug     | New         | Normal   | osmo_fsm_inst_change_parent() forgets to talloc reparent  |           | 03/24/2021 12:35 PM |  |
| 3909 | libosmcore | Bug     | New         | Normal   | osmo_get_rand_id() fails in containerised environment   |           | 03/24/2021 12:34 PM | Related to #3909                       |
| 3309 | libosmcore | Feature | New         | Normal   | osmo_timer_* should use monotonic clock   |           | 05/31/2018 03:59 PM | Related to #3309                       |
| 2688 | libosmcore | Bug     | New         | Normal   | CTRL iface: make rate_ctr request parser more strict  |           | 03/24/2021 12:37 PM | Related to #4443                       |
| 2677 | libosmcore | Support | New         | Normal   | Make stat_item available over ctrl interface  |           | 09/04/2019 09:21 AM | Related to #2676                       |
| 1987 | libosmcore | Feature | New         | Normal   | gcv code coverage test support  |           | 12/01/2019 01:42 PM | Related to #1987,Is duplicate of #1987 |
| 1716 | libosmcore | Feature | New         | Normal   | enhance unit test coverage  |           | 08/17/2016 03:57 PM | Related to #1987,Precedes #1717        |
| 5346 | libosmcore | Bug     | New         | Low      | osmo-release.sh doesn't work with %{sover} macro in spec.in   | pespin    | 12/09/2021 12:03 PM |  |
| 5034 | libosmcore | Feature | Stalled     | Low      | logging: Enable category name instead of hex val by default   | pespin    | 06/12/2021 05:40 PM | Related to #6272                       |
| 6249 | libosmcore | Bug     | In Progress | Low      | logging: ANSI color sequences should be reset after log message   | manawyrm  | 12/04/2023 07:00 AM | Related to #6284                       |
| 5229 | libosmcore | 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 |  |
| 5016 | libosmcore | 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 |  |
| 5915 | libosmcore | Bug     | New         | Low      | gprs: ns2: convert timers into osmo-timers  | jolly     | 12/17/2023 12:59 PM | Related to #5915                       |
| 6021 | libosmcore | Bug     | New         | Low      | map file breaks recent lld builds   | Hoernchen | 05/04/2023 05:49 AM |  |
| 4993 | libosmcore | 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 |  |
| 3522 | libosmcore | Feature | New         | Low      | libosmocoding: move TCH ordering functions to libosmocodec and share them                                     | fixeria   | 09/04/2018 08:49 PM |  |
| 6263 | libosmcore | Bug     | In Progress | Low      | impossible to detect wrong callbacks being registered / osmo_io_ops union                                     | daniel    | 11/21/2023 09:21 AM |  |
| 6402 | libosmcore | Feature | New         | Low      | consider using IORING_RECVSEND_POLL_FIRST for our socket-reads  |           | 03/14/2024 08:21 AM |  |
| 6401 | libosmcore | Feature | New         | Low      | benchmark batching io_uring operations  |           | 03/14/2024 08:10 AM |  |
| 6390 | libosmcore | Feature | New         | Low      | port CTRL over to osmo_io / io_uring  |           | 03/02/2024 06:45 PM | Related to #6390                       |
| 6389 | libosmcore | Feature | New         | Low      | port VTY over to osmo_io / io_uring   |           | 03/02/2024 04:55 PM | Related to #6389                       |
| 5829 | libosmcore | Feature | New         | Low      | log fallback for log_check_level(), log_parse_category()  |           | 12/13/2022 10:44 PM |  |
| 5035 | libosmcore | Bug     | New         | Low      | ns2: add a vty to drop a sns connection   |           | 03/29/2021 09:16 PM |  |

| #    | Project            | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|--------------------|---------|-------------|----------|--|----------|---------------------|-----------------------------------|
| 5015 | libosmcore         | Bug     | New         | Low      | ns2: add consistency check for ns configuration as callback                                      |          | 03/29/2021 09:17 PM |                                   |
| 4783 | libosmcore         | Bug     | New         | Low      | doxygen: duplicate 'ports.h' warning   |          | 10/07/2020 01:29 PM |                                   |
| 4304 | libosmcore         | Bug     | New         | Low      | missing unit tests for many gsm48_{encode,decode} functions                                      |          | 12/04/2019 01:50 PM |                                   |
| 4103 | libosmcore         | Feature | New         | Low      | TUAK support as per 3GPP TS 35.231   |          | 03/24/2021 12:33 PM |                                   |
| 4053 | libosmcore         | Feature | New         | Low      | CTRL: Add CTRL cmd introspection to print documentation  |          | 01/08/2020 10:21 PM | Related to #4053,Related to #4443 |
| 3987 | libosmcore         | Feature | New         | Low      | introduce libosmcore_init() to replace individual initialization calls                           |          | 05/08/2019 03:03 PM | Related to #3987                  |
| 3845 | libosmcore         | Feature | New         | Low      | Unified logging in Gb NS / BSSGP code  |          | 03/16/2019 02:33 PM |                                   |
| 3693 | libosmcore         | Bug     | In Progress | Low      | gsm_04_08.h: numerous packed structs with sub-byte ints lack the order-swap shims for big endian |          | 11/19/2018 02:05 PM |                                   |
| 2712 | libosmcore         | Feature | New         | Low      | implement reproducible talloc context printout, i.e. without memory addresses                    |          | 01/08/2020 10:21 PM | Related to #2781                  |
| 2610 | libosmcore         | Feature | New         | Low      | optimize GnuTLS fallback   |          | 05/01/2018 04:07 PM | Related to #2610,Related to #3909 |
| 2186 | libosmcore         | Feature | New         | Low      | split libosmcrypto   |          | 10/05/2017 06:25 AM |                                   |
| 1872 | libosmcore         | Feature | New         | Low      | high-performance remote logging  |          | 03/24/2021 12:36 PM |                                   |
| 2815 | linmodem           | Feature | New         | Normal   | modern ptmx / pty handling (UNIX 98)   |          | 01/01/2018 02:48 PM |                                   |
| 2801 | linmodem           | Feature | New         | Normal   | V.90 completion  |          | 01/01/2018 12:18 PM |                                   |
| 2800 | linmodem           | Feature | New         | Normal   | Interop testing with real modems   |          | 01/01/2018 12:16 PM |                                   |
| 2799 | linmodem           | Feature | New         | Normal   | SIP client support   |          | 01/01/2020 08:05 PM |                                   |
| 2798 | linmodem           | Feature | New         | Normal   | ALSA Soundcard Support   |          | 01/01/2018 12:02 PM |                                   |
| 2797 | linmodem           | Bug     | New         | Normal   | X11 support is 16bit plane only  |          | 05/07/2022 11:34 PM |                                   |
| 5489 | linmodem           | Feature | New         | Low      | linmodem mISDN integration   |          | 03/13/2022 09:35 PM |                                   |
| 2804 | linmodem           | Feature | New         | Low      | DAHDI interface  |          | 01/01/2018 12:27 PM |                                   |
| 2803 | linmodem           | Bug     | New         | Low      | return ERROR for unsupported AT commands   |          | 01/01/2018 12:19 PM |                                   |
| 2802 | linmodem           | Feature | New         | Low      | report the connected speed in "CONNECT" message  |          | 01/01/2018 12:18 PM |                                   |
| 1952 | Linux Kernel GTP-U | Bug     | In Progress | High     | IPv6 support for inner (user) IP layer missing   | pablo    | 03/05/2024 11:47 PM | Related to #6096,Related to #6123 |
| 6212 | Linux Kernel GTP-U | Bug     | In Progress | Normal   | GTP extension headers  | pespin   | 10/18/2023 03:03 PM | Related to #6223                  |
| 6103 | Linux Kernel GTP-U | Feature | Feedback    | Normal   | move from 1:1 relationship of UDP socket and net-device to a N:M relationship                    | pablo    | 10/06/2023 10:49 AM | Related to #6106                  |

| #    | Project                                  | Tracker | Status   | Priority | Subject   | Assignee   | Updated             | Related issues                    |
|------|--|---------|----------|----------|---|------------|---------------------|-----------------------------------|
| 6382 | Linux Kernel GTP-U                       | Bug     | Feedback | Normal   | "TC_pdp6_act_deact_gtpu_access" fails with kernel gtp-u                   |            | 03/05/2024 04:06 PM |                                   |
| 1832 | Linux Kernel GTP-U                       | Feature | New      | Normal   | OpenvSwitch GTP-u patch for 2.5   |            | 10/27/2016 08:56 AM |                                   |
| 5002 | M.2 (NGFF) WWAN modem USB breakout board | Feature | New      | Normal   | Ensure current return paths via M.2 connector are sufficient              | mschramm   | 03/23/2021 06:48 PM |                                   |
| 3566 | Misc Hardware Projects                   | Feature | Stalled  | Normal   | power supply / battery / charge for our GSM-R OPS 940                     | laforge    | 04/02/2023 09:05 AM |                                   |
| 5738 | Misc Hardware Projects                   | Bug     | New      | Normal   | Sim 800L module Connectivity  |            | 11/02/2022 06:55 PM |                                   |
| 5672 | Misc Hardware Projects                   | Bug     | New      | Normal   | sfp-experimenter / voltage swing of LVDS driver insufficient for SFP spec |            | 09/02/2022 03:27 PM |                                   |
| 3847 | Miscellaneous Projects                   | Feature | New      | Normal   | Osmocom logo with/for black background                                    | tsaitgaist | 12/10/2019 11:53 AM |                                   |
| 64   | Miscellaneous Projects                   | Bug     | New      | Normal   | osmo-bts-amp: 2.2uF capacitors next to PA need to be 0603, not 0805       | tnt        | 02/21/2016 04:48 PM |                                   |
| 6129 | Miscellaneous Projects                   | Bug     | New      | Normal   | Discourse: Setting a custom avatar via upload fails                       |            | 08/02/2023 06:07 PM |                                   |
| 1483 | Mobile (in)Security                      | Bug     | New      | High     | USSD state is not reset when switching cells                              |            | 02/21/2016 04:34 PM |                                   |
| 1481 | Mobile (in)Security                      | Bug     | New      | High     | Random LAPDm MAC-block padding is not deployed yet                        |            | 02/21/2016 04:34 PM | Related to #5256,Related to #5257 |
| 1480 | Mobile (in)Security                      | Bug     | New      | High     | A5/3 is not deployed in GSM networks                                      |            | 02/21/2016 04:34 PM |                                   |
| 1478 | Mobile (in)Security                      | Bug     | New      | High     | IMSI DETACH DoS   |            | 09/02/2019 09:00 AM |                                   |
| 1477 | Mobile (in)Security                      | Bug     | New      | High     | RACH flood DoS  |            | 02/21/2016 04:34 PM |                                   |
| 1482 | Mobile (in)Security                      | Bug     | New      | Normal   | Sending the TMSI of the old/previous network                              |            | 02/21/2016 04:35 PM |                                   |
| 1479 | Mobile (in)Security                      | Bug     | New      | Normal   | MTK stack unable to send MO-SMS on TCH/F                                  |            | 04/03/2019 09:01 AM |                                   |
| 3038 | multi-voltage USB UART                   | Feature | New      | Normal   | Add mounting holes?   |            | 03/07/2018 02:12 AM |                                   |
| 5883 | OCTOI - Osmocom Community TDM over IP    | Bug     | New      | Normal   | GPS sync sometimes goes to hold over                                      | tnt        | 01/30/2023 02:18 PM | Related to #5885                  |
| 6282 | OCTOI - Osmocom Community TDM over IP    | Bug     | New      | Normal   | high BERT from laforge->divf->manawyrm                                    | manawyrm   | 12/03/2023 04:03 PM | Related to #6282                  |
| 5694 | OCTOI - Osmocom Community TDM over IP    | Bug     | Stalled  | Normal   | BERT testing  | laforge    | 12/31/2022 08:24 PM |                                   |
| 5442 | OCTOI - Osmocom Community TDM over IP    | Feature | New      | Normal   | ensure sequence number covers longer duration than default PRI LOS timer  | laforge    | 02/06/2022 08:16 AM |                                   |



| #    | Project                               | Tracker | Status  | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|---------------------------------------|---------|---------|----------|--|----------|---------------------|------------------|
| 5429 | OCTOI - Osmocom Community TDM over IP | Feature | New     | Normal   | authentication in TDMoIP protocol  | laforge  | 11/07/2022 05:29 PM |                  |
| 6281 | OCTOI - Osmocom Community TDM over IP | Bug     | New     | Normal   | divf yate: calls to wave playback or loopback never connect                    |          | 12/04/2023 12:14 PM | Related to #6282 |
| 5693 | OCTOI - Osmocom Community TDM over IP | Bug     | Stalled | Normal   | no progress tones in yate  |          | 12/03/2023 11:10 AM |                  |
| 5546 | OCTOI - Osmocom Community TDM over IP | Feature | New     | Normal   | build frame relay "hub" similar to ISDN "hub"                                  |          | 04/24/2022 03:03 PM |                  |
| 5544 | OCTOI - Osmocom Community TDM over IP | Bug     | New     | Normal   | Strange HDLC frames in PPP when using mISDN/pppd/capiplugin againt Portmaster3 |          | 04/23/2022 01:50 PM |                  |
| 5443 | OCTOI - Osmocom Community TDM over IP | Feature | New     | Normal   | possibility to transmit frames from multiple lines in one packet               |          | 02/06/2022 08:15 AM |                  |
| 5434 | OCTOI - Osmocom Community TDM over IP | Feature | Stalled | Normal   | more statistics / counters   |          | 12/03/2023 11:17 AM |                  |
| 5433 | OCTOI - Osmocom Community TDM over IP | Bug     | New     | Normal   | forwarding of TS0 / Alarms   |          | 01/30/2022 11:02 AM |                  |
| 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 |                  |
| 6246 | OCTOI - Osmocom Community TDM over IP | Feature | New     | Low      | co-locate cisco 2811 for FrameRelay and X.25                                   | laforge  | 11/06/2023 01:48 PM |                  |
| 6245 | OCTOI - Osmocom Community TDM over IP | Feature | New     | Low      | co-locate cisco 2811 ITP/STP in data center                                    | laforge  | 11/06/2023 01:46 PM |                  |
| 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 |
| 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 |

| #    | Project                               | Tracker | Status  | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|---------------------------------------|---------|---------|----------|---|----------|---------------------|------------------|
| 5417 | OCTOI - Osmocom Community TDM over IP | Feature | Stalled | Low      | S/T (S0) ISDN BRI adapter with VCXO / GPS-DO                        | laforge  | 05/16/2023 08:06 AM | Related to #5436 |
| 5526 | OCTOI - Osmocom Community TDM over IP | Feature | New     | Low      | ability to generate GSMTAP traces from osmo-e1d                     |          | 07/29/2023 07:23 AM |                  |
| 5519 | OCTOI - Osmocom Community TDM over IP | Feature | New     | Low      | reimplement overlapped.php based on yate python module              |          | 12/03/2023 10:47 AM |                  |
| 5435 | OCTOI - Osmocom Community TDM over IP | Feature | New     | Low      | use DNS to resolve the server                                       |          | 04/05/2022 08:20 PM |                  |
| 5427 | OCTOI - Osmocom Community TDM over IP | Feature | New     | Low      | STUN/TURN/ICE for peer-to-peer connections                          |          | 01/30/2022 10:43 AM |                  |
| 2175 | OP25                                  | Feature | New     | High     | Update code for GNURadio 3.6 and later                              |          | 04/22/2017 04:14 PM |                  |
| 2173 | OP25                                  | Feature | New     | High     | Remove dependency on ET++   |          | 04/22/2017 04:14 PM |                  |
| 2172 | OP25                                  | Bug     | New     | High     | HDU often missing in captures                                       |          | 04/22/2017 04:14 PM |                  |
| 2171 | OP25                                  | Feature | New     | High     | Use libfft3 for IFFT/FFT functions.                                 |          | 04/22/2017 04:14 PM |                  |
| 2170 | OP25                                  | Bug     | New     | High     | Implement forward error-correction code, remove IT++ dependency     |          | 04/22/2017 04:14 PM |                  |
| 2169 | OP25                                  | Bug     | New     | High     | First-cut of trunking support                                       |          | 04/22/2017 04:15 PM |                  |
| 2168 | OP25                                  | Bug     | New     | High     | Implement Forward error correction for LDU1/2                       |          | 04/22/2017 04:15 PM |                  |
| 2167 | OP25                                  | Feature | New     | High     | Implement Encryption/Decryption P25 blocks                          |          | 04/22/2017 04:15 PM |                  |
| 2166 | OP25                                  | Feature | New     | High     | Add support for Max's I/Q 455khz downconverter                      |          | 04/22/2017 04:15 PM |                  |
| 2162 | OP25                                  | Bug     | New     | High     | Fix bit-ordering in output for VC55.                                |          | 04/22/2017 04:15 PM |                  |
| 2160 | OP25                                  | Feature | New     | High     | Add "datascope" to usrp_p25_rx.py                                   |          | 04/22/2017 04:16 PM |                  |
| 2158 | OP25                                  | Feature | New     | High     | Create a shared library for decoding for WireShark and the decoder. |          | 04/22/2017 04:16 PM |                  |
| 2157 | OP25                                  | Feature | New     | High     | Fix "traffic" tab so it displays data for non-HDU data units        |          | 04/22/2017 04:16 PM |                  |
| 2156 | OP25                                  | Feature | New     | High     | Implement forward error correction for HDU.                         |          | 04/22/2017 04:16 PM |                  |
| 2155 | OP25                                  | Feature | New     | High     | Replace FSK4 demodulation with IQ demodulator stage.                |          | 04/22/2017 04:16 PM |                  |
| 6192 | OP25                                  | Bug     | New     | Normal   | Unable to host behind NGINX reverse proxy                           | max      | 09/27/2023 01:56 AM |                  |
| 4593 | OP25                                  | Support | New     | Normal   | Link to samples on the wiki is dead                                 | matt     | 06/07/2020 06:53 PM |                  |
| 4225 | OP25                                  | Support | New     | Normal   | Missing rules in cmake lists?                                       | 2CS350   | 10/12/2019 02:49 PM |                  |
| 6323 | OP25                                  | Bug     | New     | Normal   | Install script is broken on Ubuntu 23.10                            |          | 01/05/2024 07:54 PM |                  |

| #    | Project                | Tracker | Status      | Priority | Subject   | Assignee  | Updated             | Related issues   |
|------|------------------------|---------|-------------|----------|---|-----------|---------------------|------------------|
| 4455 | OP25                   | Feature | New         | Normal   | AMBE CODEC  |           | 03/28/2020 09:53 PM |                  |
| 4130 | OP25                   | Bug     | New         | Normal   | OP25 User Interface   |           | 07/26/2019 02:36 AM |                  |
| 3776 | OP25                   | Bug     | New         | Normal   | Build fail using gcc version 7.3.0 Ubuntu 18.04.1 LTS                                     |           | 07/05/2019 07:12 PM |                  |
| 3531 | OP25                   | Bug     | New         | Normal   | Unknown status of the p25 wireshark plugin  |           | 10/06/2022 05:52 AM |                  |
| 5481 | Open Source IMS Client | Feature | New         | Urgent   | SIM card interface for doubango   | laforge   | 03/25/2022 11:00 AM | Related to #5482 |
| 5480 | Open Source IMS Client | Feature | In Progress | High     | Linux kernel IPsec plugin for doubango  | laforge   | 03/25/2022 10:44 AM |                  |
| 5484 | Open Source IMS Client | Feature | New         | Normal   | create setup for nested IPsec (doubango on top of StrongSWAN)                             |           | 03/07/2022 11:19 AM |                  |
| 5483 | Open Source IMS Client | Feature | New         | Normal   | SIM card interface for strongswan   |           | 03/07/2022 03:19 PM |                  |
| 5482 | Open Source IMS Client | Feature | New         | Normal   | VoWiFi client for creating [outer] IPsec tunnel to ePDG                                   |           | 03/07/2022 09:33 PM | Related to #5482 |
| 6319 | Osmo-CC                | Feature | New         | Normal   | protocol version should have a defined end marker   | neels     | 01/10/2024 01:31 PM |                  |
| 4777 | osmo-ccid-firmware     | Bug     | New         | Normal   | Reader does not answer to GET DATA RATES command  | Hoernchen | 10/14/2020 02:36 PM |                  |
| 4776 | osmo-ccid-firmware     | Bug     | New         | Normal   | Reader does not answer to GET CLOCK FREQUENCIES command                                   | Hoernchen | 10/03/2020 07:31 PM |                  |
| 5380 | osmo-ccid-firmware     | Bug     | New         | Normal   | Incorrect answer to PC_to_RDR_SetParameters CCID command                                  |           | 01/16/2022 08:55 PM |                  |
| 5310 | osmo-ccid-firmware     | Bug     | New         | Normal   | sysmoOCTSIM does not re-enumerate after unplug/replug the USB cable when PSU is connected |           | 11/15/2021 05:13 PM |                  |
| 4822 | osmo-ccid-firmware     | Bug     | Stalled     | Low      | sysmoOCTSIM with osmo-ccid-firmware sometimes fails to enumerate on USB                   |           | 11/05/2021 05:19 PM |                  |
| 4806 | osmo-ccid-firmware     | Feature | New         | Low      | Add support of T=1?   |           | 10/15/2020 03:40 PM |                  |
| 4810 | osmo-clock-conv        | Feature | New         | Normal   | horizontal DC input on rear side of PCB   | mschramm  | 10/15/2020 10:53 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 |
| 4857 | osmo-clock-gen         | Bug     | Stalled     | Normal   | FLV9001IDBVR no longer in stock ag digikey  | mschramm  | 04/10/2021 10:22 PM |                  |
| 5633 | osmo-clock-gen         | Feature | New         | Normal   | towards a first osmo-clock-gen production batch   | laforge   | 07/26/2022 12:39 PM |                  |
| 4431 | osmo-clock-gen         | Bug     | In Progress | Normal   | TC1 (TC2050) pin 4 should connect to VDD network, not VDD_3V3                             | laforge   | 07/20/2020 10:42 PM |                  |
| 4814 | osmo-clock-gen         | Bug     | New         | Low      | alignment of DC barrel with face plate  | mschramm  | 10/16/2020 05:30 PM | Related to #4814 |
| 4678 | osmo-clock-gen         | Feature | New         | Low      | Increase mounting hole size to support M3 screws  | mschramm  | 07/25/2020 08:43 PM |                  |
| 6169 | osmo-e1d               | Bug     | New         | High     | Frame masking against network frame ordering, not frame numbers                           | laforge   | 10/18/2023 03:19 PM |                  |
| 4916 | osmo-e1d               | Bug     | Stalled     | High     | USB unplug / replug renders e1d unusable  | laforge   | 12/04/2023 12:34 PM | Related to #5983 |
| 5824 | osmo-e1d               | Bug     | Feedback    | Normal   | Line dead message in the log after start  | laforge   | 12/25/2023 01:43 PM |                  |
| 4917 | osmo-e1d               | Feature | Stalled     | Normal   | reporting of alarms/errors known to the icE1usb   | laforge   | 04/10/2022 10:36 AM |                  |

| #    | Project  | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|--|---------|-------------|----------|---|----------|---------------------|------------------|
| 5735 | osmo-e1d                                       | Bug     | New         | Normal   | ctl client disconnect doesn't re-set timeslot state                                     |          | 05/23/2023 06:19 AM |                  |
| 5386 | osmo-e1d                                       | Bug     | New         | Low      | stop watchdog when LOS is present   | laforge  | 01/05/2022 08:38 PM |                  |
| 5521 | osmo-e1d                                       | Bug     | New         | Low      | don't attempt OCTOI connection of no TDM data from driver (icE1usb)                     |          | 04/10/2022 05:28 PM |                  |
| 5520 | osmo-e1d                                       | Feature | New         | Low      | exponential back-off on octoi client reconnect attempts                                 |          | 07/29/2023 07:30 AM |                  |
| 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 |                  |
| 4915 | osmo-e1d                                       | Feature | New         | Low      | consider a one-thread-per-line architecture   |          | 07/29/2023 07:31 AM |                  |
| 5861 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | In Progress | Urgent   | extend charon with external authentication interface                                    | lynxis   | 02/07/2024 04:00 PM | Related to #5868 |
| 6091 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | Feedback    | High     | osmo-epdg: Implement CEAI interface (GSUP) ePDG <-> strongswan                          | lynxis   | 03/14/2024 04:36 PM |                  |
| 6045 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | Feedback    | Normal   | report erlang diameter problems to the diameter compiler repo.                          | pespin   | 03/07/2024 04:16 PM |                  |
| 6435 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | In Progress | Normal   | epdg: fix inter-UE traffic  | lynxis   | 04/08/2024 06:55 PM |                  |
| 6396 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | Feedback    | Normal   | add support for auth failure with resync  | lynxis   | 03/11/2024 10:19 AM |                  |
| 6370 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | In Progress | Normal   | setup ims with kamailio   | lynxis   | 03/14/2024 09:01 PM |                  |
| 6366 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | New         | Normal   | strongswan: test if gsup_client will resend old requests on reconnect                   | lynxis   | 02/18/2024 09:16 PM | Related to #6366 |
| 6365 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | New         | Normal   | strongswan: get the PDP type out of the IKE_AUTH/CFG_REQUEST                            | lynxis   | 02/23/2024 03:29 AM |                  |
| 6364 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | In Progress | Normal   | strongswan: gsup: remove single request limitation                                      | lynxis   | 02/20/2024 05:59 PM | Related to #6366 |
| 6363 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | New         | Normal   | strongswan: Catch IKEv2 disconnects   | lynxis   | 02/17/2024 01:21 AM |                  |
| 6361 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | Feedback    | Normal   | open5gs-upfd: Fix open5gs package assigning 1st IP address of the UE pool to the ogstun | lynxis   | 04/22/2024 05:29 PM | Related to #6361 |

| #    | Project  | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                                       |
|------|--|---------|-------------|----------|--|----------|---------------------|--|
| 6408 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New         | Normal   | osmo-epdg: Support check IMEI  |          | 03/15/2024 06:45 PM |  |
| 6407 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New         | Normal   | osmo-epdg: Support Emergency services (no IMSI)                                |          | 03/15/2024 06:43 PM |  |
| 6332 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New         | Normal   | osmo-epdg: Write User Manual   |          | 01/18/2024 04:15 PM | Related to #6332                                     |
| 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 |  |
| 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 |  |
| 5918 | osmo-fl2k                                      | Bug     | New         | Normal   | -flto broken in release  | steve-m  | 12/20/2023 08:43 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 |  |
| 3210 | osmo-fl2k                                      | Feature | New         | Low      | man pages  | steve-m  | 04/24/2018 08:55 PM |  |
| 4522 | osmo-gbproxy                                   | Feature | Stalled     | High     | gbproxy: Redundancy within proxy pair  | daniel   | 07/09/2021 06:43 PM |  |
| 4520 | osmo-gbproxy                                   | Feature | In Progress | Normal   | gbproxy: Redundancy between NS-VCs (BSS Side)                                  | lynxis   | 02/19/2021 04:50 PM | Related to #4520                                     |
| 4521 | osmo-gbproxy                                   | Feature | New         | Normal   | gbproxy: Redundancy between NS-VCs (SGSN Side)                                 | laforge  | 01/19/2021 05:24 PM | Related to #4959                                     |
| 4968 | osmo-gbproxy                                   | Bug     | Feedback    | Normal   | Multiple TTCN3 tests only expect one SGSN                                      | daniel   | 12/09/2021 09:17 PM | Related to #4968                                     |
| 4951 | osmo-gbproxy                                   | Feature | In Progress | Normal   | more TTCN3 tests for SGSN pooling  | daniel   | 07/08/2021 08:36 PM | Related to #4951, Related to #4952                   |
| 4897 | osmo-gbproxy                                   | Bug     | New         | Normal   | gbproxy2: Re-introduce handling of NS_AFF_CAUSE_FAILURE                        | daniel   | 03/10/2021 02:49 PM | Related to #4897, Related to #4952, Related to #5040 |
| 4891 | osmo-gbproxy                                   | Bug     | Stalled     | Normal   | gbproxy2: Implement processing of BVC-Flow-Control via BVC FSM                 | daniel   | 10/25/2021 05:51 AM | Related to #4891                                     |
| 4961 | osmo-gbproxy                                   | Feature | New         | Normal   | gbproxy support for "network sharing" via MOCN                                 |          | 01/20/2021 08:38 PM |  |
| 4893 | osmo-gbproxy                                   | Feature | New         | Low      | gbproxy2: Make feature bitmap configurable                                     |          | 12/08/2020 07:55 AM | Related to #4893                                     |
| 5745 | osmo-lab-rack                                  | Feature | In Progress | Low      | component carrier Ethernet switch  | laforge  | 02/03/2023 11:29 AM |  |
| 5372 | osmo-lab-rack                                  | Feature | New         | Low      | AC power supply  |          | 12/23/2021 06:33 PM |  |
| 5371 | osmo-lab-rack                                  | Feature | New         | Low      | component carrier USB-UART   |          | 12/23/2021 06:31 PM |  |
| 5370 | osmo-lab-rack                                  | Feature | New         | Low      | component carrier USB hub  |          | 12/23/2021 06:30 PM |  |

| #    | Project            | Tracker | Status      | Priority | Subject  | Assignee  | Updated             | Related issues                                 |
|------|--------------------|---------|-------------|----------|--|-----------|---------------------|--|
| 4317 | osmo-pcap          | Bug     | New         | Low      | external tests not enabled in jenkins.sh                                       |           | 12/10/2019 02:42 PM |  |
| 4781 | osmo-qcdiag        | Bug     | New         | High     | get hoernchen/gsmmap branch merged   | Hoernchen | 10/06/2020 03:18 PM |  |
| 1908 | osmo-qcdiag        | Feature | New         | Normal   | add VTY interface to osmo-qcdiag   | laforge   | 01/12/2017 01:15 PM |  |
| 1906 | osmo-qcdiag        | Bug     | Feedback    | Normal   | wireshark: fix decoding of (E)GPRS RLC/MAC frames                              | Hoernchen | 02/08/2021 08:07 PM |  |
| 2697 | osmo-qcdiag        | Feature | New         | Normal   | Create and add debian packages for osmo-qcdiag to osmocom debian repositories  |           | 11/30/2017 06:03 PM |  |
| 1907 | osmo-qcdiag        | Bug     | New         | Normal   | osmo-qcdiag detects CRC errors relatively often                                |           | 01/23/2017 01:47 AM |  |
| 1901 | osmo-qcdiag        | Feature | New         | Normal   | osmo-qcdiag: Ability to read/write NV data                                     |           | 01/11/2017 12:15 PM |  |
| 1900 | osmo-qcdiag        | Feature | New         | Normal   | osmo-qcdiag: Add FUSE based access for EFS                                     |           | 01/11/2017 12:15 PM |  |
| 1899 | osmo-qcdiag        | Bug     | New         | Normal   | osmo-qcdiag: DIAG based pcap tracing (DPL) not working                         |           | 01/11/2017 12:15 PM |  |
| 5527 | osmo-remsim        | Bug     | Stalled     | High     | warn on duplicate client (id) connections                                      | laforge   | 07/13/2022 01:25 PM | Related to #5527                               |
| 5891 | osmo-remsim        | Bug     | New         | Normal   | bankd: potential pthread deadlock reported by coverity                         | laforge   | 02/03/2023 07:35 PM |  |
| 5614 | osmo-remsim        | Feature | New         | Normal   | log also application-level errors  | laforge   | 07/11/2022 08:09 PM |  |
| 4249 | osmo-remsim        | Feature | New         | Normal   | ability to explicitly provision an "empty SIM card slot" to a modem            | laforge   | 09/08/2021 07:48 PM | Related to #5216                               |
| 3886 | osmo-remsim        | Feature | New         | Normal   | expose ICCID or even IMSI of all cards on remsim-server                        | laforge   | 05/08/2019 03:31 PM | Precedes #3886                                 |
| 3885 | osmo-remsim        | Feature | New         | Normal   | remsim-server should expose status information                                 | laforge   | 04/01/2019 07:23 PM | Precedes #3885                                 |
| 3884 | osmo-remsim        | Feature | New         | Normal   | redesign bankd thread architecture   | laforge   | 05/08/2019 03:31 PM | Related to #5527,Precedes #3885,Precedes #3886 |
| 3887 | osmo-remsim        | Feature | New         | Low      | remsim-client: allow for local handling of APDUs                               | laforge   | 12/03/2019 12:20 AM |  |
| 4409 | osmo-remsim        | Bug     | Stalled     | Low      | osmo-remsim-client-st2 (or firmware?) gets stuck on PTS                        | Hoernchen | 02/06/2021 08:55 AM |  |
| 5628 | osmo-remsim        | Bug     | New         | Low      | client-st2: error mesasges when mapping is removed                             |           | 07/24/2022 07:14 AM |  |
| 5321 | osmo-remsim        | Feature | New         | Low      | support SAP of u-blox AT+USAPMODE  |           | 11/22/2021 10:37 AM |  |
| 5320 | osmo-remsim        | Feature | New         | Low      | support SAP of Telit AT#RSEN   |           | 11/22/2021 10:38 AM |  |
| 1685 | osmo-sip-connector | Feature | In Progress | Normal   | osmo-sip-connector: Review and define log statements and which info to include | osmith    | 09/04/2019 09:31 AM |  |
| 5177 | osmo-sip-connector | Bug     | New         | Normal   | respect dynamic RTP payload types of external SIP                              | neels     | 08/23/2022 04:26 PM | Related to #5177,Related to #5177              |
| 5462 | osmo-sip-connector | Bug     | New         | Normal   | Contact Header Missing - Way Forward?  |           | 02/21/2022 05:51 AM |  |
| 4352 | osmo-sip-connector | Bug     | New         | Normal   | Need to handle 401 Unauthorized  |           | 01/09/2020 02:03 PM |  |

| #    | Project            | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|--------------------|---------|-------------|----------|--|----------|---------------------|--|
| 4310 | osmo-sip-connector | Bug     | New         | Normal   | sends BYE to self  |          | 01/09/2020 09:21 AM |  |
| 3763 | osmo-sip-connector | Bug     | New         | Normal   | Implement correct handling for call answered elsewhere   |          | 01/22/2019 01:03 PM |  |
| 3741 | osmo-sip-connector | Bug     | New         | Normal   | Unknow call parameters shown in vty  |          | 12/28/2018 02:01 PM |  |
| 3724 | osmo-sip-connector | Bug     | New         | Normal   | Wrong media format used in SIP INVITE causes one-way audio   |          | 12/11/2018 02:57 PM | Related to #3724, Related to #5177   |
| 1686 | osmo-sip-connector | Feature | New         | Normal   | osmo-sip-connector: Implement call holding on SIP  |          | 10/20/2020 08:36 AM |  |
| 1683 | osmo-sip-connector | Bug     | Stalled     | Low      | osmo-sip-connector: Implement codec selection / move codec selection to osmo-msc                     | neels    | 09/23/2020 02:02 PM | Related to #1683, Related to #1683, Related to #1683, Related to #3650, Related to #5177                   |
| 4762 | osmo-sip-connector | Feature | New         | Low      | Osmo Analog Support  |          | 09/25/2020 07:31 AM | Related to #4763   |
| 1687 | osmo-sip-connector | Feature | New         | Low      | osmo-sip-connector: Explore 3-way conference call  |          | 01/08/2020 10:56 PM |  |
| 4498 | osmo-uecups        | Feature | New         | Normal   | IPv6 neighbor discovery  | laforge  | 04/17/2020 08:33 AM |  |
| 5012 | osmo-uecups        | Feature | New         | Low      | use osmo-uecups from GGSN_Tests.ttcn   | pespin   | 02/06/2021 10:02 AM | Related to #5012   |
| 4496 | osmo-uecups        | Feature | New         | Low      | implement filters for sharing as single tun device between multiple bearers                          | laforge  | 04/17/2020 08:31 AM |  |
| 5106 | OsmoBSC            | Feature | Feedback    | Urgent   | Watchdog that would try to un-BORKE BORKen timeslots   | keith    | 02/07/2023 06:25 PM | Related to #5106, Related to #5785, Related to #5786, Related to #5106                                     |
| 4940 | OsmoBSC            | Feature | Stalled     | High     | VAMOS support in OsmoBSC   | neels    | 08/11/2021 02:47 PM | Related to #4941   |
| 5755 | OsmoBSC            | Feature | In Progress | High     | io_uring support in osmo-bsc   | jolly    | 03/02/2024 08:06 PM | Related to #5755, Related to #6357   |
| 3659 | OsmoBSC            | Feature | Stalled     | High     | handover during LCLS directly between BTSs   | dexter   | 05/22/2023 09:23 AM | Related to #3659, Related to #3659, Related to #3659, Related to #3659, Related to #3659, Related to #3783 |
| 2622 | OsmoBSC            | Support | Stalled     | High     | Prepare automatic interop testing of OsmoBSC against NG40 core simulator + osmo-bts-virtual + mobile |          | 09/04/2019 09:18 AM | Related to #2478, Related to #2558, Related to #2555   |

| #    | Project | Tracker | Status   | Priority | Subject   | Assignee                      | Updated             | Related issues  |
|------|---------|---------|----------|----------|---|-------------------------------|---------------------|---|
| 3474 | OsmoBSC | Bug     | Feedback | Normal   | SDCCH not released if Radio Link Failure / Sending Connection Failure: cause = 0x001 Experienced in osmo-bsc and osmo-bts-trx | ron.menez@entropysolution.com | 10/05/2020 09:33 PM |   |
| 6324 | OsmoBSC | Bug     | New      | Normal   | Making a data call results in BORKEN lchans   | osmith                        | 01/05/2024 09:04 PM |   |
| 4070 | OsmoBSC | Bug     | Stalled  | Normal   | Implement IPA PING/PONG mechanism on RSL and OML  | osmith                        | 09/30/2020 08:13 PM | Related to #5785  |
| 3872 | OsmoBSC | Feature | New      | Normal   | osmo_scu_prim.conn_id should be picked from a distinct number space for outgoing and incoming N-CONNECT                       | osmith                        | 03/28/2019 08:06 PM | Blocks #3872  |
| 6318 | OsmoBSC | Bug     | Feedback | Normal   | Show lchan shows wrong number of channels for TCH   | neels                         | 12/25/2023 01:01 AM |   |
| 4716 | OsmoBSC | Feature | Stalled  | Normal   | support handover between different codec types, like TCH/F FR1 <--> TCH/H HR1   | neels                         | 10/28/2020 08:22 PM | Related to #4717  |
| 4621 | OsmoBSC | Support | New      | Normal   | feedback: osmo-bsc modifies the LAI in LU Accept messages, and the MM info data   | neels                         | 02/06/2021 09:50 AM |   |
| 4560 | OsmoBSC | Bug     | New      | Normal   | inter-BSC HO: target cell fails when there is no TCH, only dynamic TCH/F_PDCH timeslots                                       | neels                         | 05/20/2020 09:00 PM |   |
| 3656 | OsmoBSC | Feature | New      | Normal   | inter-BSC handover outgoing: compose Cell Identifier List from several ARFCN+BSIC   | neels                         | 06/08/2020 07:08 PM | Related to #3656  |
| 3637 | OsmoBSC | Bug     | Feedback | Normal   | handover decision 2: properly check available codecs  | neels                         | 10/09/2018 09:45 AM | Related to #3637,Related to #3637                                   |
| 3586 | OsmoBSC | Feature | New      | Normal   | support LCLS for inter-BSC handover   | neels                         | 01/17/2019 04:18 PM | Related to #3586,Related to #3659                                   |
| 3505 | OsmoBSC | Feature | New      | Normal   | ttn3: test inter-BSC HO with encryption enabled   | neels                         | 08/28/2018 06:38 PM | Related to #3505  |
| 3483 | OsmoBSC | Feature | New      | Normal   | handover decision: if rxlev is ok but rxqual is bad, move from TCH/H to TCH/F   | neels                         | 10/16/2018 01:53 PM | Related to #3483  |
| 3002 | OsmoBSC | Bug     | New      | Normal   | HO2: handover decision for dynamic timeslots  | neels                         | 10/28/2020 08:46 PM | Related to #1606,Related to #1608,Blocks #3002                      |
| 2781 | OsmoBSC | Feature | Feedback | Normal   | Extend OsmBSC TTCN-3 test coverage regarding resource leaks   | neels                         | 03/25/2022 05:56 AM | Related to #2781,Related to #2781,Related to #5355,Related to #5337 |
| 4768 | OsmoBSC | Bug     | New      | Normal   | pcu interface: add missing field ts, trx on rach indication   | lynxis                        | 09/30/2020 08:10 PM |   |
| 4683 | OsmoBSC | Bug     | New      | Normal   | properly report OM2000 bring-up problems  | laforge                       | 07/30/2020 06:50 AM | Related to #4683,Related to #6378                                   |



| #    | Project | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                     |
|------|---------|---------|-------------|----------|--|----------|---------------------|------------------------------------|
| 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 |                                    |
| 4645 | OsmoBSC | Bug     | New         | Normal   | OM2K: "Sequence Error" due to too early initialization of RSL during BTS start | laforge  | 07/04/2020 07:24 PM |                                    |
| 3020 | OsmoBSC | Bug     | New         | Normal   | OsmoBSC PCU socket interface not yet tested by BSC_Tests.ttcn                  | laforge  | 05/21/2019 06:29 PM |                                    |
| 2724 | OsmoBSC | Feature | New         | Normal   | Improve default timers   | laforge  | 01/04/2018 11:06 AM | Related to #2724                   |
| 5986 | OsmoBSC | Bug     | New         | Normal   | PAGING impossible until CCCH LOAD IND is received from the BTS                 | keith    | 03/31/2023 09:13 AM |                                    |
| 4922 | OsmoBSC | Feature | In Progress | Normal   | Implement MS Power Control   | keith    | 11/04/2021 06:37 PM |                                    |
| 5991 | OsmoBSC | Bug     | New         | Normal   | Forward TSNS-PROV bsc->[bts->]pcu  | jolly    | 12/17/2023 12:59 PM | Related to #5991                   |
| 5335 | OsmoBSC | Bug     | In Progress | Normal   | osmo-bsc: Add VTY commands to configure T3.. and N3.. timers counters for gprs | jolly    | 12/17/2023 12:59 PM | Related to #5915, Related to #5991 |
| 6422 | OsmoBSC | Bug     | Feedback    | Normal   | latest: BSC_Tests.TC_ctrl_location started fo fail on March 15th               | fixeria  | 04/02/2024 06:56 PM |                                    |

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