

## 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                  |
| 5045 | Cellular Network Infrastructure | Feature | New    | Normal   | write libversion "major" on build files automatically based on LIBVERSION            | pespin   | 02/24/2021 01:14 PM |                                   |
| 6243 | Cellular Network Infrastructure | Feature | New    | Low      | vtty cfg: make changing startup defaults of applications backwards compatible        |          | 11/01/2023 07:06 PM |                                   |
| 4578 | Cellular Network Infrastructure | Bug     | New    | High     | Updated slides / presentations / videos on setting up Osmocom CNI                    | laforge  | 02/13/2021 05:35 PM |                                   |
| 4883 | Cellular Network Infrastructure | Bug     | New    | Normal   | update OsmoNITB migration guide  | neels    | 12/01/2020 08:32 AM |                                   |
| 3670 | Cellular Network Infrastructure | Feature | New    | Low      | TTCN-3 tests for statsd exporter code  |          | 09/04/2019 09:03 AM |                                   |
| 5985 | Cellular Network Infrastructure | Bug     | New    | Normal   | tests: not all Osmocom projects have @osmoappdesc.py@                                |          | 03/29/2023 08:09 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 |
| 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 |                                   |
| 2839 | Cellular Network Infrastructure | Bug     | New    | Low      | statistics split between 2G and 3G   |          | 07/18/2019 05:22 AM |                                   |
| 3417 | Cellular Network Infrastructure | Bug     | New    | Normal   | show asciidoc counters does not show all the counters available                      | osmith   | 12/01/2019 09:28 AM | Related to #3417,Related to #4848 |
| 5771 | Cellular Network Infrastructure | Feature | New    | Normal   | series of presentations about the individual CNI network elements                    |          | 11/14/2022 07:25 PM |                                   |
| 1598 | Cellular Network Infrastructure | Feature | New    | Low      | Scripting language interface   |          | 12/10/2017 08:04 PM |                                   |
| 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 |
| 6122 | Cellular Network Infrastructure | Bug     | New    | Low      | remove big endian support  | osmith   | 10/18/2023 05:20 PM | Related to #6122                  |

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|------|---------------------------------|---------|--------|----------|---|----------|---------------------|---|
| 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 |
| 1975 | Cellular Network Infrastructure | Feature | New    | Low      | Redesigned configuration management / MIB   | laforge  | 02/16/2021 05:59 PM |   |
| 6215 | Cellular Network Infrastructure | Bug     | New    | Normal   | Rebase open5gs pcrf_simple patches and submit upstream  | lynxis   | 10/18/2023 02:53 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 |   |
| 6327 | Cellular Network Infrastructure | Feature | New    | Low      | Osmocom-build-tags-against-master job builds very basic configurations                          | osmith   | 01/11/2024 08:17 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 |   |
| 4108 | Cellular Network Infrastructure | Bug     | New    | Low      | osmo-ctrl2cgi, osmo-trap2cgi: missing default configs   |          | 07/16/2019 12:30 PM | Related to #4108  |
| 4141 | Cellular Network Infrastructure | Bug     | New    | Normal   | No osmux specific code in place during codec negotiation  |          | 08/05/2019 03:57 PM |   |
| 1612 | Cellular Network Infrastructure | Bug     | New    | Low      | more configuration consistency checking   |          | 09/30/2018 11:48 AM |   |
| 5722 | Cellular Network Infrastructure | Feature | New    | Low      | Migrate jenkins build slaves from docker to podman  |          | 10/21/2022 08:29 PM | Related to #5722  |
| 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                                   |
| 3382 | Cellular Network Infrastructure | Bug     | New    | Low      | Investigate and fix lintian issues listed by Debian Lintian Report                              | osmith   | 12/01/2019 09:27 AM |   |
| 5013 | Cellular Network Infrastructure | Feature | New    | Low      | investigate "vtysh" for Osmocom   |          | 02/06/2021 02:14 PM | Related to #5013  |
| 4069 | Cellular Network Infrastructure | Bug     | New    | Low      | Implement IPA PING/PONG mechanism everywhere  | osmith   | 02/06/2021 02:27 PM | Related to #4072  |
| 3714 | Cellular Network Infrastructure | Feature | New    | Low      | implement Internal Handover With MSC Support  | neels    | 02/06/2021 02:04 PM | Related to #3714  |
| 4277 | Cellular Network Infrastructure | Feature | New    | Low      | implement an SMSC to work with OsmoMSC  |          | 11/22/2019 02:45 PM |   |
| 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  |
| 5819 | Cellular Network Infrastructure | Bug     | New    | Low      | Gerrit/gitiles: Parent links don't work   |          | 12/08/2022 01:28 PM |   |

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|------|---------------------------------|---------|--------|----------|--|----------|---------------------|-----------------------|
| 1596 | Cellular Network Infrastructure | Feature | New    | Low      | Generation of accounting/billing data  |          | 12/10/2017 08:03 PM |                       |
| 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        |
| 3227 | Cellular Network Infrastructure | Feature | New    | Normal   | general idea: separate GSUP spec document  | roh      | 12/01/2019 09:26 AM | Is duplicate of #3227 |
| 5764 | Cellular Network Infrastructure | Bug     | New    | Normal   | GCC does not check format strings in LOGPFMS macros  |          | 11/11/2022 06:30 AM |                       |
| 3142 | Cellular Network Infrastructure | Feature | New    | Low      | Further simplification of "NITB like" setups   |          | 04/05/2018 08:09 PM |                       |
| 3694 | Cellular Network Infrastructure | Bug     | New    | Low      | Fix lintian warnings in .deb packages  |          | 07/18/2019 05:20 AM | Related to #3699      |
| 1590 | Cellular Network Infrastructure | Feature | New    | Low      | Extension of Control Interface / external SNMP agent   |          | 07/18/2019 05:22 AM |                       |
| 3779 | Cellular Network Infrastructure | Feature | New    | Low      | explore providing a VM image with all of osmocom CN1 and related tools installed                   |          | 02/04/2019 09:52 AM |                       |
| 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      |
| 4376 | Cellular Network Infrastructure | Feature | New    | Normal   | Define distinct X timer numbers across all osmo programs   |          | 01/23/2020 09:21 PM |                       |
| 4109 | Cellular Network Infrastructure | Feature | New    | Low      | debian-repo-install-test: start a virtual MS and perform a LU                                      | osmith   | 11/29/2019 10:39 AM | Related to #4109      |
| 3567 | Cellular Network Infrastructure | Bug     | New    | Low      | coverity: move the secret token out of \$HOME/osmo-ci/.../   | lynxis   | 07/18/2019 05:22 AM |                       |
| 5887 | Cellular Network Infrastructure | Bug     | New    | Low      | coverity: build everything in docker container and add CI  | osmith   | 02/01/2023 10:25 AM |                       |
| 5446 | Cellular Network Infrastructure | Feature | New    | Normal   | correlate git version to ttcn3 tests   |          | 02/07/2022 09:40 PM | Related to #5446      |
| 5750 | Cellular Network Infrastructure | Bug     | New    | Normal   | contrib/jenkins.sh: build with -Wunused-macros and -Wundef   |          | 11/08/2022 08:07 PM |                       |
| 5749 | Cellular Network Infrastructure | Bug     | New    | Normal   | configure.ac: default CFLAGS, LT_INIT adds "-g -O2"  | fixeria  | 01/31/2023 08:12 PM |                       |
| 5908 | Cellular Network Infrastructure | Feature | New    | Low      | Cleanup license information throughout the projects  |          | 02/16/2023 11:02 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      |
| 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      |
| 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      |

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| 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 |                  |
| 2451 | Cellular Network Infrastructure              | Feature | New    | Low      | Add static builds to jenkins jobs   | osmith   | 09/30/2018 08:18 AM |                  |
| 4587 | Cellular Network Infrastructure              | Feature | New    | Low      | Add port numbers to /etc/services during installation   |          | 06/08/2020 10:28 AM | Related to #5013 |
| 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 |                  |
| 5011 | Core testing infrastructure                  | Bug     | New    | Normal   | Warning about unrecognized escape sequence in Osmocom_CTRL_Types  |          | 02/05/2021 11:21 AM |                  |
| 6242 | Core testing infrastructure                  | Feature | New    | Normal   | Test eUPF against ttcn3-upf-test setup  |          | 12/18/2023 11:33 AM |                  |
| 6185 | Core testing infrastructure                  | Bug     | New    | Normal   | Submit titan.ProtocolEmulations.SCCP patch upstream   | neels    | 09/20/2023 06:22 PM |                  |
| 6029 | Core testing infrastructure                  | Bug     | New    | Normal   | Single TTCN3 BSC handover test fails  |          | 10/18/2023 05:31 PM |                  |
| 4458 | Core testing infrastructure                  | Feature | New    | Low      | Set up a STF (Smartphone Testing Farm)  |          | 03/18/2020 02:44 PM |                  |
| 5919 | Core testing infrastructure                  | Bug     | New    | Low      | osmo-python-tests: Update/fix README or setup process   | osmith   | 03/20/2023 10:17 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 |
| 5761 | Core testing infrastructure                  | Feature | New    | Normal   | Develop TTCN-3 test suite for SGW   |          | 11/09/2022 09:49 PM |                  |
| 5762 | Core testing infrastructure                  | Feature | New    | Normal   | Develop TTCN-3 test suite for PGW   |          | 11/10/2022 06:38 PM |                  |
| 5128 | Core testing infrastructure                  | Feature | New    | Low      | dec_RlcmacDIctrlBlock: Get rid of annoying warning about remaining padding  |          | 12/09/2021 09:14 PM |                  |
| 5323 | Core testing infrastructure                  | Feature | New    | Normal   | Add docker image containing titan.core master   |          | 12/15/2021 04:43 PM | Related to #6187 |
| 4308 | Distributed GSM                              | Support | New    | High     | thoughts about incorporating credit / billing in D-GSM  |          | 12/04/2019 04:08 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 |                  |
| 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 |
| 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 |                  |
| 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 |
| 5710 | E1/T1 Hardware Interface (including icE1usb) | Feature | New    | Normal   | rs422: Merge as much of the gateware 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 |
| 6415 | E1/T1 Hardware Interface (including icE1usb) | Bug     | New    | Low      | osmo_panic after truncated packet   | laforge  | 03/22/2024 06:54 PM |                  |
| 6434 | E1/T1 Hardware Interface (including icE1usb) | Support | New    | Normal   | D-channel do not recover after underrun   |          | 04/27/2024 09:03 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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|------|-------------------|---------|--------|----------|---|----------|---------------------|----------------|
| 5571 | Ericsson RBS 6xxx | Bug     | New    | High     | DUG can come up, but with Avail: "Power Off"  | dexter   | 11/08/2022 05:10 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 |                |
| 4942 | gr-osmosdr        | Bug     | New    | Normal   | XTRX: Unable to compile due to error  | RFNOD    | 01/12/2021 08:29 PM |                |
| 2216 | gr-osmosdr        | Bug     | New    | Normal   | uhd: LO offset doesn't seem to work properly  |          | 06/03/2018 12:08 PM |                |
| 3596 | gr-osmosdr        | Feature | New    | Normal   | TX Tags   |          | 09/25/2018 04:01 PM |                |
| 5144 | gr-osmosdr        | Bug     | New    | High     | Support multiple Airspy devices   | horiz0n  | 10/21/2023 07:22 PM |                |
| 3595 | gr-osmosdr        | Feature | New    | Normal   | RX Tags   |          | 09/25/2018 04:01 PM |                |
| 3597 | gr-osmosdr        | Feature | New    | Low      | rtl: send final samples when device is lost   | horiz0n  | 07/18/2019 05:35 AM |                |
| 3592 | gr-osmosdr        | Bug     | New    | Normal   | rtl: Race Conditions  | horiz0n  | 07/18/2019 05:35 AM |                |
| 3593 | gr-osmosdr        | Bug     | New    | Low      | rtl: 'len' argument ignored in librtlsdr callback   | horiz0n  | 07/18/2019 05:35 AM |                |
| 6443 | gr-osmosdr        | Bug     | New    | Normal   | RF gain: erroneously using 14   | horiz0n  | 04/27/2024 06:21 PM |                |
| 5008 | gr-osmosdr        | Bug     | New    | Normal   | Quoted whitespace parsing problem in source_impl::source_impl   |          | 02/04/2021 02:16 AM |                |
| 5425 | gr-osmosdr        | Bug     | New    | High     | Problem receiving samples using dual receivers with BladeRF   |          | 01/29/2022 04:22 AM |                |
| 5460 | gr-osmosdr        | Bug     | New    | Normal   | Please use double for ppm with fcd/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 |                |
| 3819 | gr-osmosdr        | Support | New    | Urgent   | OSMO SDR blocks for GNUradio  |          | 02/28/2019 06:00 PM |                |
| 5298 | gr-osmosdr        | Bug     | New    | Normal   | object has no attribute 'pyqwidget' on arch linux   |          | 11/09/2021 01:25 AM |                |
| 3802 | gr-osmosdr        | Feature | New    | Normal   | New release   | horiz0n  | 02/15/2019 07:22 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 |                |
| 3594 | gr-osmosdr        | Feature | New    | Normal   | Message Commands  |          | 09/25/2018 03:59 PM |                |
| 5731 | gr-osmosdr        | Bug     | New    | High     | Install gr-osmosdr on Ubuntu 20.04  |          | 10/27/2022 01:39 PM |                |
| 3414 | gr-osmosdr        | Feature | New    | Normal   | Include Airspy serial number in connection string.  | horiz0n  | 07/24/2018 04:52 AM |                |
| 5352 | gr-osmosdr        | Bug     | New    | Normal   | ImportError: generic_type: type "sink" referenced unknown base type "gr::hier_block2"                             |          | 12/11/2021 08:19 AM |                |
| 3462 | gr-osmosdr        | Bug     | New    | Normal   | gr-osmosdr installation bladerf conversion errors   | horiz0n  | 07/18/2019 05:35 AM |                |
| 4950 | gr-osmosdr        | Bug     | New    | Normal   | gr-osmosdr doesn't find iqbalance during build  |          | 02/22/2021 02:46 AM |                |
| 3240 | gr-osmosdr        | Bug     | New    | Normal   | Expose airspy gain setting in gr-osmosdr block  |          | 06/03/2018 12:08 PM |                |
| 2824 | gr-osmosdr        | Bug     | New    | High     | Corrupted double-linked for Raspbian Stretch when running osmocom_fft (and any other program using osmosdr.source |          | 06/03/2018 12:08 PM |                |
| 4359 | gr-osmosdr        | Bug     | New    | Normal   | Compiling from Git Bramcj gr3.8 fails   |          | 01/12/2020 05:08 PM |                |
| 5218 | gr-osmosdr        | Bug     | New    | Normal   | compilation fails: "no matching function for call to fcd_source_c::connect"                                       |          | 09/05/2021 10:58 PM |                |

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| 4484 | gr-osmosdr             | Bug     | New    | Normal   | CMakeFiles.txt   |          | 04/06/2020 05:19 PM |  |
| 3882 | gr-osmosdr             | Bug     | New    | Normal   | Cannot compile gr-osmosdr!   | horiz0n  | 07/18/2019 05:35 AM |  |
| 3734 | gr-osmosdr             | Bug     | New    | High     | Cannot compile gr-osmocom  |          | 12/16/2018 12:22 AM |  |
| 3855 | gr-osmosdr             | Bug     | New    | Normal   | Cannot build gr-osmosdr with Gnuradio 3.8  | horiz0n  | 07/13/2020 10:05 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 |  |
| 3512 | gr-osmosdr             | Support | New    | Normal   | Bug #3462 on Arch Linux; gr-osmosdr install fails  | horiz0n  | 01/26/2019 06:10 PM |  |
| 5448 | gr-osmosdr             | Bug     | New    | Low      | a bug related to gqrx using gr-osmosdr for sdrplay rsp1 through soapy(?)                   |          | 02/09/2022 02:56 AM |  |
| 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 |  |
| 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 |  |
| 4489 | IMSI Pseudonymization  | Feature | New    | Normal   | Specification: mark mandatory parts / implementation details as such                       |          | 04/16/2020 08:44 AM |  |
| 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 |  |
| 4493 | IMSI Pseudonymization  | Feature | New    | Normal   | Specification: Cover 2G, 3G and 4G separately  | neels    | 05/27/2020 01:11 PM |  |
| 4494 | IMSI Pseudonymization  | Feature | New    | Normal   | Specification: Add bibliography  | neels    | 05/27/2020 01:11 PM |  |
| 4477 | IMSI Pseudonymization  | Feature | New    | Normal   | OsmoHLR: send next pseudo IMSI via SMS   |          | 04/16/2020 08:45 AM | Blocks #4477,Blocks #4477                      |
| 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                               |
| 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 |  |
| 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                               |
| 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                               |
| 4486 | IMSI Pseudonymization  | Feature | New    | Normal   | Applet: gracefully handle case where timer is set twice                                    |          | 04/16/2020 08:45 AM |  |
| 4479 | IMSI Pseudonymization  | Feature | New    | Normal   | Applet: change IMSI after receiving SMS  |          | 04/16/2020 08:45 AM |  |
| 5766 | libosmo-abis           | Feature | New    | Low      | use Linux kernel KCM for IPA header?   |          | 11/13/2022 08:15 AM | Related to #5766                               |
| 5356 | libosmo-abis           | Bug     | New    | Normal   | libosmo-abis: osmo_rtp_socket_connect() not calling connect() on sockets                   |          | 12/13/2021 12:50 PM |  |
| 2717 | libosmo-abis           | Bug     | New    | Low      | libosmo-abis doesn't use ipa_ccm_make_id_resp()  |          | 12/06/2017 05:47 PM |  |
| 2571 | libosmo-abis           | Bug     | New    | Low      | libosmo-abis API documentation missing (doxygen)   | osmith   | 02/06/2021 02:27 PM |  |
| 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 |

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|------|-----------------------------------|---------|--------|----------|---|-----------|---------------------|--|
| 4860 | libosmo-abis                      | Feature | New    | Low      | Implement separation of line/TEI/datalinks in E1 pcap                         |           | 11/04/2021 06:31 PM |  |
| 3622 | libosmo-abis                      | Bug     | New    | Normal   | Clear API mess in sign_link_up callback                                       | pespin    | 10/02/2018 07:34 PM |  |
| 2439 | libosmo-netif                     | Bug     | New    | Normal   | Osmux: overwrite duplicated RTP packets instead of dropping them              |           | 12/01/2019 10:11 AM | Blocks #2439                                       |
| 3006 | libosmo-netif                     | Bug     | New    | Low      | Osmux: improvements on lost/dropped RTP packets                               |           | 09/30/2018 08:34 AM |  |
| 2440 | libosmo-netif                     | Bug     | New    | Normal   | Osmux: Improve lost packet recreation mechanism                               |           | 12/01/2019 10:11 AM | Blocks #2439                                       |
| 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 |  |
| 5648 | libosmo-pfcp                      | Feature | New    | Normal   | implement common PFCP CPF client VTY config                                   |           | 08/17/2022 03:29 PM | Related to #5648                                   |
| 2000 | libosmo-sccp +<br>libosmo-sigtran | Feature | New    | Low      | use m3ua-testtool for the ASP-side verification                               |           | 07/18/2019 05:42 AM |  |
| 5899 | libosmo-sccp +<br>libosmo-sigtran | Bug     | New    | Low      | ttcn3-sccp-test-latest is actually running code from master, not latest       | osmith    | 03/20/2023 01:18 PM |  |
| 1688 | libosmo-sccp +<br>libosmo-sigtran | Feature | New    | Low      | SUA: support N-STATE indication primitives for connect and disconnect events  |           | 04/08/2018 07:59 AM |  |
| 4925 | libosmo-sccp +<br>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 +<br>libosmo-sigtran | Feature | New    | Normal   | quirks when initializing SS7 ASP  |           | 06/25/2020 04:46 PM | Related to #4635                                   |
| 2259 | libosmo-sccp +<br>libosmo-sigtran | Bug     | New    | Normal   | problem with local reference  | laforge   | 07/19/2017 04:25 PM |  |
| 5561 | libosmo-sccp +<br>libosmo-sigtran | Bug     | New    | Low      | pc=0=0.0.0 / RCOE-ERROR.ind not permitted                                     |           | 05/23/2023 06:20 AM |  |
| 2601 | libosmo-sccp +<br>libosmo-sigtran | Feature | New    | Low      | osmo-msc still needs libosmo-sccp-dev for SCCP CAUSE definitions              | laforge   | 02/13/2021 06:07 PM |  |
| 2013 | libosmo-sccp +<br>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 |
| 6241 | libosmo-sccp +<br>libosmo-sigtran | Feature | New    | Low      | M3UA "Network Appearance" support   |           | 10/31/2023 03:00 PM | Related to #6241                                   |
| 2009 | libosmo-sccp +<br>libosmo-sigtran | Feature | New    | Low      | Implement SCCP connection coupling ("proxy")                                  |           | 04/10/2017 12:09 PM |  |
| 2003 | libosmo-sccp +<br>libosmo-sigtran | Feature | New    | Low      | Implement M2UA support  |           | 04/10/2017 12:01 PM |  |
| 2006 | libosmo-sccp +<br>libosmo-sigtran | Feature | New    | Low      | Implement M2PA support  |           | 02/10/2024 01:17 PM | Related to #3603                                   |
| 4072 | libosmo-sccp +<br>libosmo-sigtran | Bug     | New    | Normal   | Implement IPA PING/PONG mechanism in libosmo-sigtran +                        | Hoernchen | 06/21/2019 02:51 PM | Related to #4072                                   |

| #    | Project                        | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues  |
|------|--------------------------------|---------|--------|----------|--|----------|---------------------|---|
| 2007 | libosmo-sccp + libosmo-sigtran | Feature | New    | Low      | Implement GT based routing   |          | 04/10/2017 12:04 PM |   |
| 2008 | libosmo-sccp + libosmo-sigtran | Feature | New    | Low      | Implement Global Title Translation   |          | 04/10/2017 12:05 PM |   |
| 6239 | libosmo-sccp + libosmo-sigtran | Feature | New    | Normal   | finally deprecate libosmo-sccp (headers, static lib)   |          | 10/31/2023 07:31 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  |
| 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 |   |
| 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 |   |
| 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 |   |
| 6438 | libosmocore                    | Bug     | New    | Normal   | write_config_file() calls blocking sync()  |          | 04/26/2024 09:15 AM |   |
| 5029 | libosmocore                    | Bug     | New    | Normal   | vtty: optional cases with multiple arguments is undefined behaviour                          |          | 02/18/2021 05:44 PM |   |
| 3845 | libosmocore                    | Feature | New    | Low      | Unified logging in Gb NS / BSSGP code  |          | 03/16/2019 02:33 PM |   |
| 4103 | libosmocore                    | Feature | New    | Low      | TUAK support as per 3GPP TS 35.231   |          | 03/24/2021 12:33 PM |   |
| 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  |
| 6388 | libosmocore                    | Feature | New    | Normal   | stats_reporter via osmo_io / io_uring?   |          | 03/02/2024 04:54 PM | Related to #6388  |
| 2186 | libosmocore                    | Feature | New    | Low      | split libosmocrypto  |          | 10/05/2017 06:25 AM |   |
| 5229 | libosmocore                    | Bug     | New    | Low      | SNS Size with max_nsvcs = 1 results in a valid config even 2 binds a configured              | lynxis   | 09/05/2021 08:18 PM |   |
| 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 |
| 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 |   |
| 6389 | libosmocore                    | Feature | New    | Low      | port VTY over to osmo_io / io_uring  |          | 03/02/2024 04:55 PM | Related to #6389  |
| 6390 | libosmocore                    | Feature | New    | Low      | port CTRL over to osmo_io / io_uring   |          | 03/02/2024 06:45 PM | Related to #6390  |
| 5346 | libosmocore                    | Bug     | New    | Low      | osmo-release.sh doesn't work with %{sover} macro in spec.in                                  | pespin   | 12/09/2021 12:03 PM |   |
| 3309 | libosmocore                    | Feature | New    | Normal   | osmo_timer_* should use monotonic clock  |          | 05/31/2018 03:59 PM | Related to #3309  |
| 6410 | libosmocore                    | Bug     | New    | Normal   | osmo_io poll backend doesn't work on file descriptors that are not sockets                   |          | 03/19/2024 07:33 PM |   |
| 6393 | libosmocore                    | Bug     | New    | Normal   | osmo_io conflating osmo_iofd_unregister vs osmo_iofd_close                                   | daniel   | 03/07/2024 09:47 AM |   |



| #    | Project     | Tracker | Status | Priority | Subject   | Assignee  | Updated             | Related issues                         |
|------|-------------|---------|--------|----------|---|-----------|---------------------|--|
| 3909 | libosmocore | Bug     | New    | Normal   | osmo_get_rand_id() fails in containerised environment   |           | 03/24/2021 12:34 PM | Related to #3909                       |
| 3983 | libosmocore | Bug     | New    | Normal   | osmo_fsm_inst_change_parent() forgets to talloc reparent  |           | 03/24/2021 12:35 PM |  |
| 4149 | libosmocore | Bug     | New    | Normal   | osmo_fsm allows event names to have spaces in them  | laforge   | 01/25/2022 09:53 AM |  |
| 5507 | libosmocore | Feature | New    | Normal   | Optimize reset time after SGSN is restarted   | lynxis    | 03/31/2022 12:33 PM |  |
| 2610 | libosmocore | Feature | New    | Low      | optimize GnuTLS fallback  |           | 05/01/2018 04:07 PM | Related to #2610,Related to #3909      |
| 5016 | libosmocore | Bug     | New    | Low      | ns2: what happens when a dynamic NSE is present, but the user tries to configure it via vty                   | lynxis    | 03/29/2021 09:17 PM |  |
| 5277 | libosmocore | Bug     | New    | Normal   | ns2: Allow SNS-CONFIG PDUs from unknown endpoints during config procedure                                     | lynxis    | 10/22/2021 02:28 PM |  |
| 5015 | libosmocore | Bug     | New    | Low      | ns2: add consistency check for ns configuration as callback   |           | 03/29/2021 09:17 PM |  |
| 5035 | libosmocore | Bug     | New    | Low      | ns2: add a vty to drop a sns connection   |           | 03/29/2021 09:16 PM |  |
| 6344 | libosmocore | Feature | New    | Normal   | New TS 24.008 Bearer Capability codec API   |           | 01/24/2024 11:19 PM | Related to #6344                       |
| 5818 | libosmocore | Bug     | New    | Normal   | multithreaded logging causes lock contention and needs a rework   |           | 01/10/2024 09:05 AM |  |
| 4304 | libosmocore | Bug     | New    | Low      | missing unit tests for many gsm48_{encode,decode} functions   |           | 12/04/2019 01:50 PM |  |
| 6021 | libosmocore | Bug     | New    | Low      | map file breaks recent lld builds   | Hoernchen | 05/04/2023 05:49 AM |  |
| 2677 | libosmocore | Support | New    | Normal   | Make stat_item available over ctrl interface  |           | 09/04/2019 09:21 AM | Related to #2676                       |
| 5829 | libosmocore | Feature | New    | Low      | log fallback for log_check_level(), log_parse_category()  |           | 12/13/2022 10:44 PM |  |
| 6360 | libosmocore | Bug     | New    | Normal   | libosmovty fails to parse commands like "test (foo bar) [(one two three)]"                                    |           | 02/14/2024 09:25 PM |  |
| 5864 | libosmocore | Bug     | New    | Normal   | Libosmocore: Fix order of config parsing output   |           | 02/04/2023 05:21 PM |  |
| 6374 | libosmocore | Bug     | New    | Normal   | libosmocore --disable-libstcp not tested by jenkins   |           | 02/23/2024 03:47 PM |  |
| 3522 | libosmocore | Feature | New    | Low      | libosmocoding: move TCH ordering functions to libosmocodec and share them                                     | fixeria   | 09/04/2018 08:49 PM |  |
| 6232 | libosmocore | Bug     | New    | Normal   | jenkins should give all libosmocore config options a try  | osmith    | 10/22/2023 04:16 PM |  |
| 3987 | libosmocore | Feature | New    | Low      | introduce libosmocore_init() to replace individual initialization calls                                       |           | 05/08/2019 03:03 PM | Related to #3987                       |
| 2712 | libosmocore | Feature | New    | Low      | implement reproducible talloc context printout, i.e. without memory addresses                                 |           | 01/08/2020 10:21 PM | Related to #2781                       |
| 1872 | libosmocore | Feature | New    | Low      | high-performance remote logging   |           | 03/24/2021 12:36 PM |  |
| 4993 | libosmocore | Bug     | New    | Low      | gsm_septets2octets: warning: use of NULL 'rdata' where non-null expected [CWE-690] [-Wanalyzer-null-argument] | fixeria   | 01/29/2021 08:49 PM |  |
| 5915 | libosmocore | Bug     | New    | Low      | gprs: ns2: convert timers into osmo-timers  | jolly     | 12/17/2023 12:59 PM | Related to #5915                       |
| 5179 | libosmocore | Bug     | New    | Normal   | gprs_ns2: use refcounting for the NSE   | lynxis    | 06/13/2021 03:08 AM |  |
| 1987 | libosmocore | Feature | New    | Normal   | gcov code coverage test support   |           | 12/01/2019 01:42 PM | Related to #1987,Is duplicate of #1987 |

| #    | Project            | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|--------------------|---------|--------|----------|--|----------|---------------------|-----------------------------------|
| 4746 | libosmocore        | Bug     | New    | Normal   | gb: NS2: implement a NSE based logfilter   |          | 11/14/2020 08:42 AM |                                   |
| 4590 | libosmocore        | Feature | New    | Normal   | Export talloc data as counters for better memory leakage monitoring in production          |          | 09/12/2022 03:53 PM |                                   |
| 4591 | libosmocore        | Feature | New    | Normal   | Export FSM states and statistics with counters   |          | 03/24/2021 12:34 PM |                                   |
| 4908 | libosmocore        | Bug     | New    | Normal   | Errors compiling with -std=c++14   |          | 03/01/2021 03:38 PM |                                   |
| 1716 | libosmocore        | Feature | New    | Normal   | enhance unit test coverage   |          | 08/17/2016 03:57 PM | Related to #1987,Precedes #1717   |
| 4783 | libosmocore        | Bug     | New    | Low      | doxygen: duplicate 'ports.h' warning   |          | 10/07/2020 01:29 PM |                                   |
| 4053 | libosmocore        | Feature | New    | Low      | CTRL: Add CTRL cmd introspection to print documentation                                    |          | 01/08/2020 10:21 PM | Related to #4053,Related to #4443 |
| 4443 | libosmocore        | Bug     | New    | Normal   | CTRL interface blocks wildcard in rate_ctr   |          | 03/08/2020 01:06 PM | Related to #4443,Related to #4443 |
| 2688 | libosmocore        | Bug     | New    | Normal   | CTRL iface: make rate_ctr request parser more strict                                       |          | 03/24/2021 12:37 PM | Related to #4443                  |
| 3521 | libosmocore        | Feature | New    | Normal   | core/utills: engineering notation helpers  | fixeria  | 09/04/2018 08:32 PM |                                   |
| 6402 | libosmocore        | Feature | New    | Low      | consider using IORING_RECVSEND_POLL_FIRST for our socket-reads                             |          | 03/14/2024 08:21 AM |                                   |
| 4885 | libosmocore        | Bug     | New    | Normal   | configure doesn't check for python3  |          | 12/02/2020 03:36 AM |                                   |
| 5570 | libosmocore        | Bug     | New    | Normal   | coding: decode in-band data in AMR's special DTX frames (SID_FIRST, SID_UPDATE, SID_ONSET) | fixeria  | 05/24/2022 08:34 AM | Related to #5570                  |
| 6401 | libosmocore        | Feature | New    | Low      | benchmark batching io_uring operations   |          | 03/14/2024 08:10 AM |                                   |
| 4265 | libosmocore        | Bug     | New    | Normal   | --enable-embedded doesn't work as expected   |          | 11/12/2019 11:18 AM |                                   |
| 2797 | linmodem           | Bug     | New    | Normal   | X11 support is 16bit plane only  |          | 05/07/2022 11:34 PM |                                   |
| 2801 | linmodem           | Feature | New    | Normal   | V.90 completion  |          | 01/01/2018 12:18 PM |                                   |
| 2799 | linmodem           | Feature | New    | Normal   | SIP client support   |          | 01/01/2020 08:05 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 |                                   |
| 2815 | linmodem           | Feature | New    | Normal   | modern ptmx / pty handling (UNIX 98)   |          | 01/01/2018 02:48 PM |                                   |
| 5489 | linmodem           | Feature | New    | Low      | linmodem mISDN integration   |          | 03/13/2022 09:35 PM |                                   |
| 2800 | linmodem           | Feature | New    | Normal   | Interop testing with real modems   |          | 01/01/2018 12:16 PM |                                   |
| 2804 | linmodem           | Feature | New    | Low      | DAHDI interface  |          | 01/01/2018 12:27 PM |                                   |
| 2798 | linmodem           | Feature | New    | Normal   | ALSA Soundcard Support   |          | 01/01/2018 12:02 PM |                                   |
| 1832 | Linux Kernel GTP-U | Feature | New    | Normal   | OpenvSwitch GTP-u patch for 2.5  |          | 10/27/2016 08:56 AM |                                   |

| #    | Project                                  | Tracker | Status | Priority | Subject   | Assignee   | Updated             | Related issues                    |
|------|--|---------|--------|----------|---|------------|---------------------|-----------------------------------|
| 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 |                                   |
| 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 |                                   |
| 1482 | Mobile (in)Security                      | Bug     | New    | Normal   | Sending the TMSI of the old/previous network                                    |            | 02/21/2016 04:35 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 |
| 1477 | Mobile (in)Security                      | Bug     | New    | High     | RACH flood DoS  |            | 02/21/2016 04:34 PM |                                   |
| 1479 | Mobile (in)Security                      | Bug     | New    | Normal   | MTK stack unable to send MO-SMS on TCH/F  |            | 04/03/2019 09:01 AM |                                   |
| 1478 | Mobile (in)Security                      | Bug     | New    | High     | IMSI DETACH DoS   |            | 09/02/2019 09:00 AM |                                   |
| 1480 | Mobile (in)Security                      | Bug     | New    | High     | A5/3 is not deployed in GSM networks  |            | 02/21/2016 04:34 PM |                                   |
| 3038 | multi-voltage USB UART                   | Feature | New    | Normal   | Add mounting holes?   |            | 03/07/2018 02:12 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 |                                   |
| 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 |                                   |
| 5544 | OCTOI - Osmocom Community TDM over IP    | Bug     | New    | Normal   | Strange HDLC frames in PPP when using mISDN/pppd/capiplugin against Portmaster3 |            | 04/23/2022 01:50 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                  |
| 5519 | OCTOI - Osmocom Community TDM over IP    | Feature | New    | Low      | reimplement overlapped.php based on yate python module                          |            | 12/03/2023 10:47 AM |                                   |
| 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 |                                   |
| 6282 | OCTOI - Osmocom Community TDM over IP    | Bug     | New    | Normal   | high BERT from laforge->divf->manawyrn  | manawyrn   | 12/03/2023 04:03 PM | Related to #6282                  |
| 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                  |

| #    | Project                               | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|---------------------------------------|---------|--------|----------|--|----------|---------------------|------------------|
| 5433 | OCTOI - Osmocom Community TDM over IP | Bug     | New    | Normal   | forwarding of TS0 / Alarms   |          | 01/30/2022 11:02 AM |                  |
| 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 |                  |
| 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 |
| 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 |                  |
| 5546 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Normal   | build frame relay "hub" similar to ISDN "hub"                            |          | 04/24/2022 03:03 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 |
| 5437 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | brainstorm about making protocol even more efficient                     | laforge  | 01/30/2022 01:45 PM |                  |
| 5429 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Normal   | authentication in TDMoIP protocol  | laforge  | 11/07/2022 05:29 PM |                  |
| 5526 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | ability to generate GSMTAP traces from osmo-e1d                          |          | 07/29/2023 07:23 AM |                  |
| 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 |                  |
| 2171 | OP25                                  | Feature | New    | High     | Use libfftw3 for IFFT/FFT functions.                                     |          | 04/22/2017 04:14 PM |                  |
| 2175 | OP25                                  | Feature | New    | High     | Update code for GNURadio 3.6 and later                                   |          | 04/22/2017 04:14 PM |                  |
| 3531 | OP25                                  | Bug     | New    | Normal   | Unknown status of the p25 wireshark plugin                               |          | 10/06/2022 05:52 AM |                  |
| 6192 | OP25                                  | Bug     | New    | Normal   | Unable to host behind NGINX reverse proxy                                | max      | 09/27/2023 01:56 AM |                  |
| 2155 | OP25                                  | Feature | New    | High     | Replace FSK4 demodulation with IQ demodulator stage.                     |          | 04/22/2017 04:16 PM |                  |
| 2173 | OP25                                  | Feature | New    | High     | Remove dependency on ET++  |          | 04/22/2017 04:14 PM |                  |
| 4130 | OP25                                  | Bug     | New    | Normal   | OP25 User Interface  |          | 07/26/2019 02:36 AM |                  |
| 4225 | OP25                                  | Support | New    | Normal   | Missing rules in cmake lists?  | 2CS350   | 10/12/2019 02:49 PM |                  |
| 4593 | OP25                                  | Support | New    | Normal   | Link to samples on the wiki is dead                                      | matt     | 06/07/2020 06:53 PM |                  |
| 6323 | OP25                                  | Bug     | New    | Normal   | Install script is broken on Ubuntu 23.10                                 |          | 01/05/2024 07:54 PM |                  |
| 2170 | OP25                                  | Bug     | New    | High     | Implement forward error-correction code, remove IT++ dependency          |          | 04/22/2017 04:14 PM |                  |
| 2168 | OP25                                  | Bug     | New    | High     | Implement Forward error correction for LDU1/2                            |          | 04/22/2017 04:15 PM |                  |
| 2156 | OP25                                  | Feature | New    | High     | Implement forward error correction for HDU.                              |          | 04/22/2017 04:16 PM |                  |
| 2167 | OP25                                  | Feature | New    | High     | Implement Encryption/Decryption P25 blocks                               |          | 04/22/2017 04:15 PM |                  |
| 2172 | OP25                                  | Bug     | New    | High     | HDU often missing in captures  |          | 04/22/2017 04:14 PM |                  |
| 2162 | OP25                                  | Bug     | New    | High     | Fix bit-ordering in output for VC55.                                     |          | 04/22/2017 04:15 PM |                  |

| #    | Project  | Tracker | Status | Priority | Subject   | Assignee  | Updated             | Related issues   |
|------|--|---------|--------|----------|---|-----------|---------------------|------------------|
| 2157 | OP25   | Feature | New    | High     | Fix "traffic" tab so it displays data for non-HDU data units                              |           | 04/22/2017 04:16 PM |                  |
| 2169 | OP25   | Bug     | New    | High     | First-cut of trunking support   |           | 04/22/2017 04:15 PM |                  |
| 2158 | OP25   | Feature | New    | High     | Create a shared library for decoding for WireShark and the decoder.                       |           | 04/22/2017 04:16 PM |                  |
| 3776 | OP25   | Bug     | New    | Normal   | Build fail using gcc version 7.3.0 Ubuntu 18.04.1 LTS                                     |           | 07/05/2019 07:12 PM |                  |
| 4455 | OP25   | Feature | New    | Normal   | AMBE CODEC  |           | 03/28/2020 09:53 PM |                  |
| 2166 | OP25   | Feature | New    | High     | Add support for Max's I/Q 455khz downconverter  |           | 04/22/2017 04:15 PM |                  |
| 2160 | OP25   | Feature | New    | High     | Add "datascope" to usrp_p25_rx.py   |           | 04/22/2017 04:16 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 |
| 5481 | Open Source IMS Client                         | Feature | New    | Urgent   | SIM card interface for doubango   | laforge   | 03/25/2022 11:00 AM | Related to #5482 |
| 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 |                  |
| 6319 | Osmo-CC  | Feature | New    | Normal   | protocol version should have a defined end marker   | neels     | 01/10/2024 01:31 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 |                  |
| 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 |                  |
| 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 |
| 5633 | osmo-clock-gen                                 | Feature | New    | Normal   | towards a first osmo-clock-gen production batch   | laforge   | 07/26/2022 12:39 PM |                  |
| 4678 | osmo-clock-gen                                 | Feature | New    | Low      | Increase mounting hole size to support M3 screws  | mschramm  | 07/25/2020 08:43 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 |
| 5386 | osmo-e1d                                       | Bug     | New    | Low      | stop watchdog when LOS is present   | laforge   | 01/05/2022 08:38 PM |                  |
| 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 |                  |
| 6169 | osmo-e1d                                       | Bug     | New    | High     | Frame masking against network frame ordering, not frame numbers                           | laforge   | 10/18/2023 03:19 PM |                  |
| 5520 | osmo-e1d                                       | Feature | New    | Low      | exponential back-off on octoi client reconnect attempts                                   |           | 07/29/2023 07:30 AM |                  |
| 5521 | osmo-e1d                                       | Bug     | New    | Low      | don't attempt OCTOI connection of no TDM data from driver (icE1usb)                       |           | 04/10/2022 05:28 PM |                  |
| 5735 | osmo-e1d                                       | Bug     | New    | Normal   | ctl client disconnect doesn't re-set timeslot state                                       |           | 05/23/2023 06:19 AM |                  |
| 4915 | osmo-e1d                                       | Feature | New    | Low      | consider a one-thread-per-line architecture   |           | 07/29/2023 07:31 AM |                  |
| 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 |

| #    | Project  | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                                     |
|------|--|---------|--------|----------|--|----------|---------------------|--|
| 6365 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | New    | Normal   | strongswan: get the PDP type out of the IKE_AUTH/CFG_REQUEST                   | lynxis   | 02/23/2024 03:29 AM |  |
| 6363 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | New    | Normal   | strongswan: Catch IKEv2 disconnects  | lynxis   | 02/17/2024 01:21 AM |  |
| 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                                   |
| 6407 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New    | Normal   | osmo-epdg: Support Emergency services (no IMSI)                                |          | 03/15/2024 06:43 PM |  |
| 6408 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New    | Normal   | osmo-epdg: Support check IMEI  |          | 03/15/2024 06:45 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 |  |
| 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 |  |
| 3210 | osmo-fl2k                                      | Feature | New    | Low      | man pages  | steve-m  | 04/24/2018 08:55 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 |  |
| 5918 | osmo-fl2k                                      | Bug     | New    | Normal   | -flto broken in release  | steve-m  | 12/20/2023 08:43 PM |  |
| 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 |
| 4893 | osmo-gbproxy                                   | Feature | New    | Low      | gbproxy2: Make feature bitmap configurable                                     |          | 12/08/2020 07:55 AM | Related to #4893                                   |
| 4521 | osmo-gbproxy                                   | Feature | New    | Normal   | gbproxy: Redundancy between NS-VCs (SGSN Side)                                 | laforge  | 01/19/2021 05:24 PM | Related to #4959                                   |
| 4961 | osmo-gbproxy                                   | Feature | New    | Normal   | gbproxy support for "network sharing" via MOCN                                 |          | 01/20/2021 08:38 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 |  |
| 5372 | osmo-lab-rack                                  | Feature | New    | Low      | AC power supply  |          | 12/23/2021 06:33 PM |  |
| 4317 | osmo-pcap                                      | Bug     | New    | Low      | external tests not enabled in jenkins.sh                                       |          | 12/10/2019 02:42 PM |  |
| 1899 | osmo-qcdiag                                    | Bug     | New    | Normal   | osmo-qcdiag: DIAG based pcap tracing (DPL) not working                         |          | 01/11/2017 12:15 PM |  |
| 1900 | osmo-qcdiag                                    | Feature | New    | Normal   | osmo-qcdiag: Add FUSE based access for EFS                                     |          | 01/11/2017 12:15 PM |  |
| 1901 | osmo-qcdiag                                    | Feature | New    | Normal   | osmo-qcdiag: Ability to read/write NV data                                     |          | 01/11/2017 12:15 PM |  |
| 1907 | osmo-qcdiag                                    | Bug     | New    | Normal   | osmo-qcdiag detects CRC errors relatively often                                |          | 01/23/2017 01:47 AM |  |

| #    | Project            | Tracker | Status | Priority | Subject   | Assignee  | Updated             | Related issues                                 |
|------|--------------------|---------|--------|----------|---|-----------|---------------------|--|
| 4781 | osmo-qcdiag        | Bug     | New    | High     | get hoernchen/gsmmap branch merged  | Hoernchen | 10/06/2020 03:18 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 |  |
| 1908 | osmo-qcdiag        | Feature | New    | Normal   | add VTY interface to osmo-qcdiag  | laforge   | 01/12/2017 01:15 PM |  |
| 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 |  |
| 3885 | osmo-remsim        | Feature | New    | Normal   | remsim-server should expose status information                                | laforge   | 04/01/2019 07:23 PM | Precedes #3885                                 |
| 3887 | osmo-remsim        | Feature | New    | Low      | remsim-client: allow for local handling of APDUs                              | laforge   | 12/03/2019 12:20 AM |  |
| 3884 | osmo-remsim        | Feature | New    | Normal   | redesign bankd thread architecture  | laforge   | 05/08/2019 03:31 PM | Related to #5527,Precedes #3885,Precedes #3886 |
| 5614 | osmo-remsim        | Feature | New    | Normal   | log also application-level errors   | laforge   | 07/11/2022 08:09 PM |  |
| 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                                 |
| 5628 | osmo-remsim        | Bug     | New    | Low      | client-st2: error messages when mapping is removed                            |           | 07/24/2022 07:14 AM |  |
| 5891 | osmo-remsim        | Bug     | New    | Normal   | bankd: potential pthread deadlock reported by coverity                        | laforge   | 02/03/2023 07:35 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                               |
| 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              |
| 3741 | osmo-sip-connector | Bug     | New    | Normal   | Unknow call parameters shown in vty   |           | 12/28/2018 02:01 PM |  |
| 4310 | osmo-sip-connector | Bug     | New    | Normal   | sends BYE to self   |           | 01/09/2020 09:21 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              |
| 1686 | osmo-sip-connector | Feature | New    | Normal   | osmo-sip-connector: Implement call holding on SIP                             |           | 10/20/2020 08:36 AM |  |
| 1687 | osmo-sip-connector | Feature | New    | Low      | osmo-sip-connector: Explore 3-way conference call                             |           | 01/08/2020 10:56 PM |  |
| 4762 | osmo-sip-connector | Feature | New    | Low      | Osmo Analog Support   |           | 09/25/2020 07:31 AM | Related to #4763                               |
| 4352 | osmo-sip-connector | Bug     | New    | Normal   | Need to handle 401 Unauthorized   |           | 01/09/2020 02:03 PM |  |
| 3763 | osmo-sip-connector | Bug     | New    | Normal   | Implement correct handling for call answered elsewhere                        |           | 01/22/2019 01:03 PM |  |
| 5462 | osmo-sip-connector | Bug     | New    | Normal   | Contact Header Missing - Way Forward?   |           | 02/21/2022 05:51 AM |  |
| 5012 | osmo-uecups        | Feature | New    | Low      | use osmo-uecups from GGSN_Tests.ttcn  | pespin    | 02/06/2021 10:02 AM | Related to #5012                               |
| 4498 | osmo-uecups        | Feature | New    | Normal   | IPv6 neighbor discovery   | laforge   | 04/17/2020 08:33 AM |  |
| 4496 | osmo-uecups        | Feature | New    | Low      | implement filters for sharing as single tun device between multiple bearers   | laforge   | 04/17/2020 08:31 AM |  |

| #    | Project | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|---------|---------|--------|----------|--|----------|---------------------|-----------------------------------|
| 6159 | OsmoBSC | Bug     | New    | Normal   | use paging queue for PAGING messages that come from the BSC co-located PCU   | dexter   | 08/30/2023 12:39 PM |                                   |
| 5547 | OsmoBSC | Feature | New    | Low      | upon emergency call, from the MSC-pool pick an MSC that allows emergency calling   |          | 04/25/2022 05:49 AM |                                   |
| 3505 | OsmoBSC | Feature | New    | Normal   | ttcn3: test inter-BSC HO with encryption enabled   | neels    | 08/28/2018 06:38 PM | Related to #3505                  |
| 4990 | OsmoBSC | Feature | New    | Low      | TTCN3 test for AMR MultiRate IEs in RR and RSL   |          | 07/02/2021 04:34 PM |                                   |
| 4189 | OsmoBSC | Feature | New    | Low      | TTCN-3 tests for load-based hand-over in BSC   |          | 09/04/2019 09:10 AM | Related to #4189                  |
| 4538 | OsmoBSC | Bug     | New    | Normal   | timeslot_fsm.c: make the PDCH act/deact timeout configurable   |          | 05/09/2020 08:20 PM | Related to #4539                  |
| 3243 | OsmoBSC | Bug     | New    | Normal   | there is MGW config for each separate 'msc', but the MGW settings are stored only once globally  |          | 05/07/2018 03:10 PM |                                   |
| 4010 | OsmoBSC | Feature | New    | Low      | Test RSL CHAN ACT related details for different scenarios  | neels    | 02/06/2021 10:04 AM | Related to #4010,Related to #4010 |
| 3479 | OsmoBSC | Feature | New    | Normal   | test "every single failure" in osmo-bsc FSMs   |          | 08/20/2018 11:15 AM | Related to #3479                  |
| 2382 | OsmoBSC | Bug     | New    | Normal   | T3105 not consistently communicated to all BTS models  |          | 03/05/2018 07:02 PM |                                   |
| 5744 | OsmoBSC | Bug     | New    | Low      | sysmobts: when a BTS is rf_locked and doesn't support BTS_FEAT_MULTI_TSC the OML connection is dropped                                   | lynxis   | 11/23/2022 11:14 PM |                                   |
| 3586 | OsmoBSC | Feature | New    | Normal   | support LCLS for inter-BSC handover  | neels    | 01/17/2019 04:18 PM | Related to #3586,Related to #3659 |
| 5156 | OsmoBSC | Feature | New    | Low      | Support intraBSC handover between distinct BTS types   |          | 11/04/2021 06:27 PM |                                   |
| 4979 | OsmoBSC | Feature | New    | Low      | Support for parsing incoming BSSMAP LOAD INDICATION  |          | 01/27/2021 02:41 PM | Related to #4979,Related to #4980 |
| 4981 | OsmoBSC | Feature | New    | Low      | Support for generating BSSMAP RESOURCE INDICATION  |          | 01/27/2021 03:02 PM | Related to #4982                  |
| 4978 | OsmoBSC | Feature | New    | Low      | Support for generating BSSMAP LOAD INDICATION  |          | 01/27/2021 02:40 PM | Related to #4979,Related to #4980 |
| 5246 | OsmoBSC | Bug     | New    | Low      | sigsegv in bts_count_free_ts()   | keith    | 10/03/2021 08:08 PM | Related to #5324                  |
| 4640 | OsmoBSC | Feature | New    | Low      | SI2quater: support multiple EUTRAN Neighbor Cells List entries, not only multiple EUTRAN Cell Descriptions in the first Cells List entry |          | 07/06/2020 03:03 PM |                                   |
| 5190 | OsmoBSC | Bug     | New    | Low      | segfault with osmo-e1d   |          | 09/15/2021 09:34 AM |                                   |
| 4884 | OsmoBSC | Bug     | New    | Normal   | RLL_REL_IND is recieved after RF_CHAN_REL  |          | 12/02/2020 11:51 AM |                                   |
| 3097 | OsmoBSC | Feature | New    | Normal   | ramping of "rxlev access min"  |          | 03/22/2018 11:51 AM | Related to #3097                  |
| 4683 | OsmoBSC | Bug     | New    | Normal   | properly report OM2000 bring-up problems   | laforge  | 07/30/2020 06:50 AM | Related to #4683,Related to #6378 |
| 4767 | OsmoBSC | Bug     | New    | Normal   | pcu interface: add suspend request support   |          | 09/29/2020 04:40 PM |                                   |



| #    | Project | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|---------|---------|--------|----------|---|----------|---------------------|-----------------------------------|
| 4768 | OsmoBSC | Bug     | New    | Normal   | pcu interface: add missing field ts, trx on rach indication   | lynxis   | 09/30/2020 08:10 PM |                                   |
| 4766 | OsmoBSC | Bug     | New    | Normal   | pcu interface: add app info request   |          | 09/26/2020 10:21 PM |                                   |
| 5986 | OsmoBSC | Bug     | New    | Normal   | PAGING impossible until CCCH LOAD IND is received from the BTS  | keith    | 03/31/2023 09:13 AM |                                   |
| 3020 | OsmoBSC | Bug     | New    | Normal   | OsmoBSC PCU socket interface not yet tested by BSC_Tests.tcn  | laforge  | 05/21/2019 06:29 PM |                                   |
| 3000 | OsmoBSC | Bug     | New    | Normal   | OsmoBSC issues "RSL Connect" command too early -> race conditions                                       |          | 02/25/2018 12:32 PM | Related to #2470,Related to #4179 |
| 4553 | OsmoBSC | Bug     | New    | Normal   | OsmoBSC doesn't handle RESET IP RESOURCE BSSMAP message   |          | 05/16/2020 07:44 PM |                                   |
| 3330 | OsmoBSC | Feature | New    | Normal   | osmo-bsc: Implement IMMEDIATE ASSIGNMENT EXTENDED   |          | 06/08/2018 12:14 PM | Related to #3330                  |
| 4589 | OsmoBSC | Bug     | New    | Normal   | osmo-bsc crashes with "lchan allocation failed in state WAIT_RF_RELEASE_ACK: Timeout"                   |          | 06/06/2020 10:40 PM |                                   |
| 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                      |
| 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 |                                   |
| 4649 | OsmoBSC | Bug     | New    | Low      | OM2K SI5ter: abis_rsl.c:1237 (bts=0,trx=0) ERROR REPORT (cause=Service or Option not available [ 3f ])  | laforge  | 07/04/2020 07:13 PM |                                   |
| 4682 | OsmoBSC | Feature | New    | Low      | OM2000 MCTR Support for Ericsson RBS6000 / DUG 20   |          | 07/30/2020 06:51 AM | Precedes #4682                    |
| 69   | OsmoBSC | Bug     | New    | Low      | No timers for various calls   |          | 12/10/2017 07:53 PM |                                   |
| 6007 | OsmoBSC | Bug     | New    | Normal   | network -> bts -> gprs nsvc will always create a nsvc node  |          | 04/17/2023 04:08 PM |                                   |
| 6059 | OsmoBSC | Bug     | New    | Normal   | negotiate GSM-HR RTP packet format explicitly   | dexter   | 06/13/2023 10:38 AM |                                   |
| 3865 | OsmoBSC | Bug     | New    | Normal   | nanoBTS: GPRS not working anymore, modems unable to attach in osmo-gsm-tester                           |          | 05/11/2023 01:00 PM | Is duplicate of #3865             |
| 4536 | OsmoBSC | Feature | New    | Normal   | Multi BTS support within a single physical device   |          | 06/21/2020 01:10 PM |                                   |
| 3814 | OsmoBSC | Bug     | New    | Normal   | MS Power Control Problem with Osmo-BSC and nanoBTS  |          | 02/24/2019 01:15 AM |                                   |
| 6324 | OsmoBSC | Bug     | New    | Normal   | Making a data call results in BORKEN lchans   | osmith   | 01/05/2024 09:04 PM |                                   |
| 1613 | OsmoBSC | Feature | New    | Low      | make BTS/TRX configuration changes without having to drop BTS OML link                                  |          | 12/10/2017 08:06 PM |                                   |
| 1858 | OsmoBSC | Feature | New    | Normal   | make BSC also generate ALERTs   |          | 12/10/2017 07:59 PM |                                   |
| 39   | OsmoBSC | Feature | New    | Low      | Logging filter on bts/trx or such   |          | 06/08/2020 07:07 PM |                                   |
| 3642 | OsmoBSC | Bug     | New    | Low      | logging filter imsi leaks bsc_subscr references   |          | 10/09/2018 10:04 PM |                                   |
| 5712 | OsmoBSC | Bug     | New    | Normal   | LCLS FSM; Not possible to get out from NO_LONGER_LS   | dexter   | 10/18/2022 09:03 AM | Related to #5712                  |
| 73   | OsmoBSC | Bug     | New    | Low      | Kill the paging_init_if_needed method in paging.c   |          | 12/10/2017 07:53 PM |                                   |
| 68   | OsmoBSC | Bug     | New    | Low      | ipaccess-config should work with -u ID -o IP -r BTS_IP  |          | 12/10/2017 07:52 PM |                                   |
| 34   | OsmoBSC | Bug     | New    | Normal   | ipaccess init code needs proper state machines  |          | 12/10/2017 08:16 PM | Related to #34                    |

| #    | Project | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                                     |
|------|---------|---------|--------|----------|---|----------|---------------------|--|
| 5842 | OsmoBSC | Bug     | New    | Normal   | ipa: investigate NSVC local and remote port configuration difference with wireshark dissector   |          | 12/22/2022 07:18 PM |  |
| 4560 | OsmoBSC | Bug     | New    | Normal   | inter-BSC HO: target cell fails when there is no TCH, only dynamic TCH/F_PDCH timeslots   | neels    | 05/20/2020 09:00 PM |  |
| 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                                   |
| 2724 | OsmoBSC | Feature | New    | Normal   | Improve default timers  | laforge  | 01/04/2018 11:06 AM | Related to #2724                                   |
| 2918 | OsmoBSC | Feature | New    | Low      | Implement a function to properly test connection clearing in MSC_ConnectionHandler.ttcn (BSC-Tests)   |          | 01/08/2020 10:21 PM |  |
| 3002 | OsmoBSC | Bug     | New    | Normal   | HO2: handover decision for dynamic timeslots  | neels    | 10/28/2020 08:46 PM | Related to #1606,Related to #1608,Blocks #3002     |
| 2964 | OsmoBSC | Bug     | New    | Low      | handover_decision_2: measurement report number compared to lchan->meas_rep_last_seen_nr often overflows to zero (255 range) and hence an old report may be seen as new every once per 255 cycle | neels    | 12/16/2019 03:02 PM | Related to #1606                                   |
| 3485 | OsmoBSC | Feature | New    | Low      | handover to make room for a less capable subscriber   |          | 10/16/2018 01:16 PM | Related to #3485                                   |
| 3481 | OsmoBSC | Feature | New    | Normal   | handover from TCH/H to TCH/F to reduce load   |          | 06/08/2020 07:08 PM | Related to #3481,Related to #3481                  |
| 3480 | OsmoBSC | Feature | New    | Normal   | handover from TCH/F to TCH/H to reduce load   |          | 06/08/2020 07:08 PM | Related to #3480,Related to #3481                  |
| 3484 | OsmoBSC | Feature | New    | Low      | handover decision: if rxlev is ok but rxqual is bad, move to different timeslot with same TCH kind to avoid interference  |          | 10/16/2018 01:30 PM |  |
| 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                                   |
| 3482 | OsmoBSC | Feature | New    | Low      | handover decision: if a new call causes congestion that would trigger immedate re-assignment, assigning the other TCH kind from the start   |          | 10/16/2018 01:15 PM | Related to #3482                                   |
| 3486 | OsmoBSC | Feature | New    | Low      | handover decision: congestion: figure out the tradeoff: re-assign within same cell vs. handover to another cell   |          | 10/16/2018 01:16 PM | Related to #3486,Related to #3638                  |
| 3638 | OsmoBSC | Feature | New    | Low      | handover decision 2: load balancing across BSS  |          | 10/16/2018 01:16 PM | Related to #3638,Related to #3638,Related to #3638 |
| 4858 | OsmoBSC | Bug     | New    | Normal   | handover CHANnel ACTIVation: BSC sends timing advance for lchan activation in a different cell  |          | 11/10/2020 05:41 PM |  |
| 4647 | OsmoBSC | Bug     | New    | Low      | Getting attributes from BTS0 type nokia_site is not supported.  |          | 07/04/2020 09:05 AM |  |
| 5991 | OsmoBSC | Bug     | New    | Normal   | Forward TSNS-PROV bsc->[bts->]pcu   | jolly    | 12/17/2023 12:59 PM | Related to #5991                                   |
| 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 |  |

| #    | Project    | Tracker | Status | Priority | Subject   | Assignee  | Updated             | Related issues                    |
|------|------------|---------|--------|----------|---|-----------|---------------------|-----------------------------------|
| 5586 | OsmoBSC    | Feature | New    | Normal   | Ericsson RBS could recover Unlocked state without osmo-bsc restart  |           | 06/21/2022 10:23 PM | Related to #5983                  |
| 6378 | OsmoBSC    | Bug     | New    | Low      | Ericsson DUG 20 rejects SI2quarter  | keith     | 03/10/2024 06:38 PM | Related to #6378                  |
| 5740 | OsmoBSC    | Feature | New    | Low      | Disallow unworkable AMR modes.  | keith     | 11/08/2022 05:15 PM |                                   |
| 3841 | OsmoBSC    | Bug     | New    | Low      | cosmetic: tearing down the old lchan after inter-BSC handover always goes through RELEASE_AFTER_ERROR (instead of normal release) | neels     | 05/08/2019 05:43 PM |                                   |
| 2462 | OsmoBSC    | Feature | New    | Low      | clarify lchan->encr.alg_id  |           | 08/24/2017 01:27 PM | Related to #2462                  |
| 1659 | OsmoBSC    | Feature | New    | Low      | Check encoding of SI at time parameters are entered from VTY, not just at generation time   |           | 12/10/2017 08:06 PM |                                   |
| 6328 | OsmoBSC    | Bug     | New    | Normal   | Channel Mode Modify fails to modify the RTP payload type number   |           | 01/12/2024 06:24 AM | Related to #6328                  |
| 2899 | OsmoBSC    | Bug     | New    | Low      | channel attributes are sent to BTS even for NONE channels   | osmith    | 09/30/2018 10:42 AM |                                   |
| 5843 | OsmoBSC    | Bug     | New    | Normal   | BTS features aren't reset after oml drop  |           | 12/22/2022 09:27 PM |                                   |
| 1600 | OsmoBSC    | Feature | New    | Low      | BSC: Make SI / rest octests more configurable   |           | 12/10/2017 08:04 PM |                                   |
| 4930 | OsmoBSC    | Bug     | New    | Normal   | bsc: cbc: vty: "no remote-ip" in cbc > client   |           | 12/31/2020 10:42 PM |                                   |
| 5515 | OsmoBSC    | Bug     | New    | Normal   | BSC_Tests: re-establishment: RA during CHAN RQD should reflect re-establishment   |           | 04/06/2022 08:02 PM |                                   |
| 3831 | OsmoBSC    | Feature | New    | Low      | BSC support for "network sharing" via MOCN  |           | 01/20/2021 10:03 AM | Related to #4473                  |
| 3786 | OsmoBSC    | Bug     | New    | Low      | Assignment Request modifies conn->lcls state before the Assignment is successful  |           | 01/08/2020 10:25 PM |                                   |
| 3787 | OsmoBSC    | Bug     | New    | Low      | Assignment Request modifies conn->codec_list before the Assignment is successful  |           | 01/08/2020 10:25 PM | Related to #3833                  |
| 1857 | OsmoBSC    | Feature | New    | Normal   | aggregate and report OML ALERT messages received from BTSs  |           | 12/10/2017 08:16 PM | Related to #1615,Related to #1605 |
| 4541 | OsmoBSC    | Feature | New    | Normal   | add ttcn3 tests for situations of Abis latency spikes, where chan act/deact ACK messages arrive late                              |           | 11/20/2023 05:03 PM | Related to #4541,Related to #6375 |
| 1946 | OsmoBSC    | Feature | New    | Low      | Add checks to the BSC VTY to prevent configurations known to not work   |           | 10/20/2020 08:40 AM | Related to #1614                  |
| 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 |                                   |
| 3737 | OsmoBSC    | Bug     | New    | Low      | abort because unused lchan has non-null conn pointer, after AMR config error  |           | 05/08/2019 03:35 PM |                                   |
| 6019 | OsmoBSC    | Bug     | New    | Normal   | "PCU version PCU socket has LOST connection connected"  | fixeria   | 10/18/2023 05:42 PM |                                   |
| 5492 | OsmoBSCNAT | Bug     | New    | Normal   | Support MSC pooling   | osmith    | 04/11/2022 08:19 AM |                                   |
| 5574 | OsmoBSCNAT | Bug     | New    | Urgent   | OsmoBSCNAT testsuite running in jenkins   | Hoernchen | 10/06/2022 11:46 AM | Related to #5574                  |
| 4124 | OsmoBSCNAT | Feature | New    | Normal   | OsmoBSCNAT : Write user manual  |           | 01/08/2020 10:56 PM | Related to #4124                  |
| 2827 | OsmoBTS    | Feature | New    | Low      | would be nice if logging of the BTS number in osmo-bts matched the BTS number used in osmo-bsc                                    |           | 06/23/2018 06:48 PM |                                   |

| #    | Project | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|---------|---------|--------|----------|---|----------|---------------------|-----------------------------------|
| 1579 | OsmoBTS | Feature | New    | Low      | Use epoll   |          | 01/15/2021 01:44 PM |                                   |
| 1902 | OsmoBTS | Feature | New    | Low      | unify/refactor dynamic timeslot code  |          | 01/08/2020 10:56 PM | Related to #1902,Related to #3099 |
| 1926 | OsmoBTS | Feature | New    | Low      | unify *_mgr code  |          | 07/18/2019 06:08 AM |                                   |
| 5952 | OsmoBTS | Bug     | New    | Normal   | ttn3-bts-test: TC_ho_physical_info fails  | fixeria  | 11/15/2023 08:23 AM |                                   |
| 5517 | OsmoBTS | Bug     | New    | Normal   | ttn3-bts-test: new sporadic test case failures                                    | fixeria  | 03/20/2023 11:45 PM |                                   |
| 57   | OsmoBTS | Bug     | New    | Low      | sysmobts L1 is not properly closed, DSP firmware reload is required               |          | 03/01/2018 11:16 PM | Related to #57                    |
| 1571 | OsmoBTS | Feature | New    | Low      | Support RTP multiplexing instead of per-call RTP streams                          |          | 02/23/2016 03:32 PM |                                   |
| 5257 | OsmoBTS | Bug     | New    | High     | support random padding in SACCH downlink messages                                 |          | 10/12/2021 11:18 AM | Related to #5257                  |
| 5256 | OsmoBTS | Feature | New    | High     | support for random padding in LAPDm downlink messages                             |          | 10/12/2021 11:17 AM | Related to #5256                  |
| 4473 | OsmoBTS | Feature | New    | Low      | Support for broadcast of MOCN related SI21/22/23                                  |          | 03/29/2020 07:39 PM | Related to #4473                  |
| 1570 | OsmoBTS | Feature | New    | Low      | Select RTP payload identifier based on requested speech mode                      |          | 02/23/2016 03:31 PM |                                   |
| 3058 | OsmoBTS | Bug     | New    | Low      | RSL SACCH FILLING are per TRX, not BTS scope                                      |          | 03/11/2018 08:55 PM |                                   |
| 4827 | OsmoBTS | Bug     | New    | Normal   | OsmoBTS VTY is lacking various vital information                                  |          | 10/23/2020 07:14 PM |                                   |
| 2364 | OsmoBTS | Bug     | New    | Low      | OsmoBTS sends SI1 even if it is not specified/needed                              |          | 07/15/2017 10:06 AM |                                   |
| 2366 | OsmoBTS | Feature | New    | Low      | OsmoBTS lacks EXTENDED BCCH support   |          | 07/15/2017 10:42 AM | Related to #1575,Related to #2014 |
| 2974 | OsmoBTS | Bug     | New    | Low      | OsmoBTS doesn't use the "Diagnostics" part of the RSL Cause IE                    |          | 07/18/2019 05:48 AM |                                   |
| 3796 | OsmoBTS | Bug     | New    | Low      | OsmoBTS doesn't send proper cause values in NACK                                  |          | 07/18/2019 06:04 AM | Related to #3796                  |
| 3792 | OsmoBTS | Bug     | New    | Normal   | OsmoBTS doesn't include the "Starting Time" attribute in "Set BTS Attributes ACK" | osmith   | 07/18/2019 06:05 AM |                                   |
| 61   | OsmoBTS | Feature | New    | Low      | osmo-bts: split TRAU/RTP frame handling into separate process                     |          | 06/13/2016 01:16 PM |                                   |
| 3329 | OsmoBTS | Feature | New    | Normal   | osmo-bts: Implement IMMEDIATE ASSIGNMENT EXTENDED                                 |          | 06/08/2018 12:02 PM | Related to #3330                  |
| 4630 | OsmoBTS | Bug     | New    | Low      | osmo-bts: GSMTAP DL (tx) messages use hardcoded signal level 0                    |          | 10/05/2022 09:11 AM |                                   |
| 2942 | OsmoBTS | Bug     | New    | Low      | osmo-bts-virtual+virtphy+mobile paging for SMS delivery fails                     |          | 02/13/2018 05:05 PM |                                   |
| 5474 | OsmoBTS | Bug     | New    | Normal   | osmo-bts-trx: DTXd support not implemented  |          | 03/02/2022 05:06 PM | Related to #5474,Related to #5474 |
| 1771 | OsmoBTS | Feature | New    | Low      | osmo-bts-trx: clarify check_transceiver_availability()                            |          | 03/01/2018 11:17 PM | Related to #1770                  |
| 4364 | OsmoBTS | Bug     | New    | Normal   | osmo-bts-trx configured with 2 TRX and osmo-trx with 1 TRX -> bad behavior        | pespin   | 07/06/2020 07:16 PM |                                   |
| 1755 | OsmoBTS | Feature | New    | Low      | osmo-bts-sysmo L1: unify hLayer3 handling   |          | 02/02/2017 04:00 PM | Related to #1755                  |
| 2674 | OsmoBTS | Bug     | New    | Low      | osmo-bts-sysmo GPRS failing if running without "-M"                               | pespin   | 07/18/2019 06:08 AM |                                   |

| #    | Project | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues  |
|------|---------|---------|--------|----------|--|----------|---------------------|---|
| 5995 | OsmoBTS | Bug     | New    | Low      | osmo-bts printing log line 'OC=GPRS-NSE(f0) INST=(00,ff,ff): Tx unknown 0xf6'                |          | 10/18/2023 05:47 PM |   |
| 5576 | OsmoBTS | Bug     | New    | Normal   | osmo-bts not moving NM state "Enabled -> DisabledDependency" when Admin state becomes Locked |          | 06/02/2022 10:38 AM |   |
| 4446 | OsmoBTS | Bug     | New    | Low      | osmo-bts doesn't actually ever connect() its RTP/UDP sockets                                 | pespin   | 02/13/2021 05:37 PM | Related to #4446  |
| 4440 | OsmoBTS | Bug     | New    | Normal   | osmo_bts_virtual doesn't detect if mobile/virtphy is gone                                    | laforge  | 03/07/2020 03:44 PM |   |
| 2355 | OsmoBTS | Bug     | New    | Low      | optimize log output of phy specific code   |          | 09/04/2019 09:26 AM | Related to #2355  |
| 4082 | OsmoBTS | Bug     | New    | Normal   | OML: Unknown/unhandled PCHAN type: 0 NONE  |          | 11/18/2019 10:09 AM |   |
| 4031 | OsmoBTS | Bug     | New    | Normal   | OML part of BTS has no TTCN-3 tests  |          | 09/04/2019 09:04 AM | Related to #4031,Related to #4031                                   |
| 3782 | OsmoBTS | Bug     | New    | Low      | OML bringup fails for osmo-bts-oc2g on high latency links                                    |          | 01/08/2020 10:27 PM | Related to #3782,Related to #3782,Related to #3789,Related to #4031 |
| 5957 | OsmoBTS | Bug     | New    | Low      | not all osmo-bts variants respond to abisip-find   | jolly    | 03/22/2023 09:20 AM |   |
| 4986 | OsmoBTS | Feature | New    | Low      | No TTCN3 tests of AMR rate/link adaptation   |          | 01/28/2021 01:36 PM |   |
| 4988 | OsmoBTS | Feature | New    | Low      | No TTCN3 test for AMR TFO / DL CMR handling  |          | 01/28/2021 01:38 PM |   |
| 4987 | OsmoBTS | Feature | New    | Low      | No TTCN3 test for AMR DTX FSMs   |          | 01/28/2021 01:37 PM | Related to #5474  |
| 1561 | OsmoBTS | Feature | New    | Low      | Multi-TRX support (one osmo-bts process per TRX)   |          | 02/23/2016 03:18 PM |   |
| 1577 | OsmoBTS | Bug     | New    | Normal   | mph_send_config_logchpar doesn't update encryption config                                    |          | 02/23/2016 03:39 PM |   |
| 1568 | OsmoBTS | Feature | New    | Low      | Move various code bits to libosmocore  | fixeria  | 07/18/2019 06:08 AM |   |

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