

## Issues

| #    | Project    | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|------------|---------|--------|----------|---|----------|---------------------|-----------------------------------|
| 18   | OsmoNITB   | Feature | New    | Low      | store last location identity to database  |          | 05/24/2018 01:15 PM |                                   |
| 21   | OsmoNITB   | Bug     | New    | Low      | we don't see CHANnel ReQireD from motorola EZX phones at call setup                                     |          | 03/05/2018 07:36 PM |                                   |
| 25   | OsmoMSC    | Feature | New    | Low      | Call HOLD / RETRIEVE support for internal MNCC  |          | 08/01/2019 03:06 PM |                                   |
| 28   | OsmoNITB   | Bug     | New    | Low      | Old siemens phones cannot make voice calls (04.08 channel mode)   |          | 03/05/2018 07:36 PM |                                   |
| 33   | OsmoSGSN   | Feature | New    | Low      | real LLC implementation with fragmentation and re-transmissions   |          | 11/09/2016 09:45 AM |                                   |
| 39   | OsmoBSC    | Feature | New    | Low      | Logging filter on bts/trx or such   |          | 06/08/2020 07:07 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                    |
| 61   | OsmoBTS    | Feature | New    | Low      | osmo-bts: split TRAU/RTP frame handling into separate process   |          | 06/13/2016 01:16 PM |                                   |
| 68   | OsmoBSC    | Bug     | New    | Low      | ipaccess-config should work with -u ID -o IP -r BTS_IP  |          | 12/10/2017 07:52 PM |                                   |
| 69   | OsmoBSC    | Bug     | New    | Low      | No timers for various calls   |          | 12/10/2017 07:53 PM |                                   |
| 70   | OsmoNITB   | Bug     | New    | Low      | nitb crashes in the rtp_proxy when a phone on a MT-call sends a 'CONNECT' before the CRCX ACK came back |          | 05/09/2016 07:37 PM |                                   |
| 72   | OsmoNITB   | Bug     | New    | Low      | struct gsm_call can leak..  |          | 05/09/2016 07:37 PM |                                   |
| 73   | OsmoBSC    | Bug     | New    | Low      | Kill the paging_init_if_needed method in paging.c   |          | 12/10/2017 07:53 PM |                                   |
| 1457 | SIMtrace 2 | Feature | New    | Low      | Spacing between JTAG and JP1/JP2  | mschramm | 09/13/2018 07:07 PM |                                   |
| 1463 | SIMtrace 2 | Feature | New    | Low      | Add VCC current sensing circuit for SPA & DPA attacks   | laforge  | 08/27/2018 07:05 AM | Related to #1706                  |
| 1527 | OsmoPCU    | Feature | New    | Low      | Set correct values of the puncturing scheme and the retransmission flag                                 | pespin   | 02/08/2021 07:10 PM |                                   |
| 1528 | OsmoPCU    | Bug     | New    | Low      | Find a real fix for EGPRS_AckNack_w_len_t decoding  | pespin   | 02/06/2021 01:04 PM |                                   |
| 1530 | OsmoPCU    | Feature | New    | Low      | Assign same TFI number in downlink/uplink   |          | 01/26/2020 08:50 AM |                                   |
| 1532 | OsmoPCU    | Bug     | New    | Low      | Increased number of poll timeouts on shared PDCHs   | pespin   | 02/08/2021 05:22 PM | Related to #1524                  |
| 1537 | OsmoPCU    | Feature | New    | Low      | Move the BSSGP handling to libosmocore  |          | 03/01/2018 11:17 PM | Related to #1537,Related to #2388 |
| 1546 | OsmoPCU    | Feature | New    | Low      | closed loop uplink power control  |          | 09/30/2020 08:05 PM |                                   |
| 1555 | OsmoPCU    | Feature | New    | Low      | Add support for unacknowledged RLC Mode   |          | 01/22/2020 02:59 PM |                                   |
| 1558 | OsmoPCU    | Feature | New    | Low      | Generate BSSGP LLC Discarded messages on TBF/MS free  | osmith   | 02/13/2021 05:44 PM | Related to #4847                  |
| 1561 | OsmoBTS    | Feature | New    | Low      | Multi-TRX support (one osmo-bts process per TRX)  |          | 02/23/2016 03:18 PM |                                   |
| 1568 | OsmoBTS    | Feature | New    | Low      | Move various code bits to libosmocore   | fixeria  | 07/18/2019 06:08 AM |                                   |
| 1570 | OsmoBTS    | Feature | New    | Low      | Select RTP payload identifier based on requested speech mode  |          | 02/23/2016 03:31 PM |                                   |
| 1571 | OsmoBTS    | Feature | New    | Low      | Support RTP multiplexing instead of per-call RTP streams  |          | 02/23/2016 03:32 PM |                                   |
| 1573 | OsmoBTS    | Feature | New    | Low      | ENHANCED MEASUREMENT REPORT   |          | 07/19/2021 04:13 PM |                                   |
| 1576 | OsmoBTS    | Feature | New    | Low      | consider using hLayer2 as a pointer storage   |          | 02/02/2017 04:11 PM | Related to #1755                  |

| #    | Project                               | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues  |
|------|---------------------------------------|---------|--------|----------|---|----------|---------------------|---|
| 1579 | OsmoBTS                               | Feature | New    | Low      | Use epoll   |          | 01/15/2021 01:44 PM |   |
| 1585 | OsmoSGSN                              | Feature | New    | Low      | Gn interface for inter-SGSN MM Context transfer   |          | 09/22/2023 02:42 PM | Related to #5759,Related to #6294,Is duplicate of #1585 |
| 1590 | Cellular Network Infrastructure       | Feature | New    | Low      | Extension of Control Interface / external SNMP agent                                      |          | 07/18/2019 05:22 AM |   |
| 1596 | Cellular Network Infrastructure       | Feature | New    | Low      | Generation of accounting/billing data   |          | 12/10/2017 08:03 PM |   |
| 1598 | Cellular Network Infrastructure       | Feature | New    | Low      | Scripting language interface  |          | 12/10/2017 08:04 PM |   |
| 1600 | OsmoBSC                               | Feature | New    | Low      | BSC: Make SI / rest octests more configurable   |          | 12/10/2017 08:04 PM |   |
| 1603 | OsmoMSC                               | Feature | New    | Low      | Interfacing the MSC with other networks: Roaming interfaces / MAP                         |          | 07/18/2019 06:13 AM |   |
| 1612 | Cellular Network Infrastructure       | Bug     | New    | Low      | more configuration consistency checking   |          | 09/30/2018 11:48 AM |   |
| 1613 | OsmoBSC                               | Feature | New    | Low      | make BTS/TRX configuration changes without having to drop BTS OML link                    |          | 12/10/2017 08:06 PM |   |
| 1643 | OsmoHLR                               | Feature | New    | Low      | programmatic access to new asynchronous external HLR                                      |          | 12/10/2017 08:06 PM | Related to #1643,Blocks #1643                           |
| 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 |   |
| 1674 | OsmoBTS                               | Bug     | New    | Low      | Kill duplication between l1_if.c and sysmbots_ctrl.c                                      |          | 07/18/2019 06:08 AM |   |
| 1687 | osmo-sip-connector                    | Feature | New    | Low      | osmo-sip-connector: Explore 3-way conference call   |          | 01/08/2020 10:56 PM |   |
| 1688 | libosmo-sccp + libosmo-sigtran        | Feature | New    | Low      | SUA: support N-STATE indication primitives for connect and disconnect events              |          | 04/08/2018 07:59 AM |   |
| 1692 | OsmoBTS                               | Feature | New    | Low      | clock source monitoring   |          | 04/13/2016 09:49 AM |   |
| 1744 | OsmoBTS                               | Bug     | New    | Low      | 1-way voice between sysmobts and nanobts if DTX is enabled                                |          | 07/18/2019 06:08 AM | Related to #1562  |
| 1751 | OsmoBTS                               | Bug     | New    | Low      | incompatibility between LCR and DTX   |          | 06/14/2016 04:39 PM |   |
| 1755 | OsmoBTS                               | Feature | New    | Low      | osmo-bts-sysmo L1: unify hLayer3 handling   |          | 02/02/2017 04:00 PM | Related to #1755  |
| 1771 | OsmoBTS                               | Feature | New    | Low      | osmo-bts-trx: clarify check_transceiver_availability()                                    |          | 03/01/2018 11:17 PM | Related to #1770  |
| 1814 | Qualcomm Linux Modems by Quectel & Co | Feature | New    | Low      | check if qtools work  |          | 10/02/2016 04:08 AM |   |
| 1837 | OsmoBTS                               | Feature | New    | Low      | autogenerate dtx_dl_amr_fsm.*   |          | 03/01/2018 11:17 PM |   |
| 1872 | libosmocore                           | Feature | New    | Low      | high-performance remote logging   |          | 03/24/2021 12:36 PM |   |
| 1897 | OsmocomTETRA                          | Bug     | New    | Low      | Inefficient sequence search in tetra_find_train_seq                                       |          | 04/10/2017 01:04 AM |   |

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| 1902 | OsmoBTS                         | Feature | New    | Low      | unify/refactor dynamic timeslot code   |          | 01/08/2020 10:56 PM | Related to #1902,Related to #3099                  |
| 1903 | OsmoPCU                         | Feature | New    | Low      | convert c++ -> c   |          | 03/23/2020 10:48 PM |  |
| 1919 | pySim                           | Bug     | New    | Low      | issue with grcardsim from Greencard (gcard.cn)   |          | 08/17/2017 06:45 AM |  |
| 1926 | OsmoBTS                         | Feature | New    | Low      | unify *_mgr code   |          | 07/18/2019 06:08 AM |  |
| 1946 | OsmoBSC                         | Feature | New    | Low      | Add checks to the BSC VTY to prevent configurations known to not work                              |          | 10/20/2020 08:40 AM | Related to #1614                                   |
| 1973 | OsmoMSC                         | Feature | New    | Low      | VLR: efficient subscriber lookup   |          | 07/18/2019 06:15 AM | Related to #1973                                   |
| 1974 | OsmoMSC                         | Feature | New    | Low      | VLR: high water mark on subscriber storage   |          | 05/15/2022 01:45 PM | Related to #1973                                   |
| 1975 | Cellular Network Infrastructure | Feature | New    | Low      | Redesigned configuration management / MIB  | laforge  | 02/16/2021 05:59 PM |  |
| 2000 | libosmo-sccp + libosmo-sigtran  | Feature | New    | Low      | use m3ua-testtool for the ASP-side verification  |          | 07/18/2019 05:42 AM |  |
| 2003 | libosmo-sccp + libosmo-sigtran  | Feature | New    | Low      | Implement M2UA support   |          | 04/10/2017 12:01 PM |  |
| 2006 | libosmo-sccp + libosmo-sigtran  | Feature | New    | Low      | Implement M2PA support   |          | 02/10/2024 01:17 PM | Related to #3603                                   |
| 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 |  |
| 2009 | libosmo-sccp + libosmo-sigtran  | Feature | New    | Low      | Implement SCCP connection coupling ("proxy")   |          | 04/10/2017 12:09 PM |  |
| 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                                   |
| 2013 | libosmo-sccp + libosmo-sigtran  | Bug     | New    | Low      | OAP (Osmo Auth Protocol) missing from IPA support in libosmo-sigtran                               | neels    | 09/16/2018 10:35 AM | Related to #1843,Related to #2013,Related to #2554 |
| 2186 | libosmocore                     | Feature | New    | Low      | split libosmocrypto  |          | 10/05/2017 06:25 AM |  |
| 2196 | OsmoGSMTester                   | Feature | New    | Low      | libmsc ctrl interface: add CTRL command to query a single subscriber's attached state              |          | 05/15/2017 12:58 PM |  |
| 2200 | OsmoGSMTester                   | Feature | New    | Low      | osmo-gsm-tester: allow collecting statistics / KPI of a test case                                  |          | 04/06/2020 04:57 PM | Related to #2201                                   |
| 2208 | OsmoGSMTester                   | Feature | New    | Low      | osmo-gsm-tester: allow running binaries for a whole suite, or only for a single test               |          | 05/30/2017 01:07 PM | Related to #2208                                   |
| 2209 | OsmoGSMTester                   | Feature | New    | Low      | osmo-gsm-tester: add test API to explicitly free a resource  |          | 05/19/2017 11:01 AM | Related to #2208                                   |
| 2225 | OsmoGSMTester                   | Feature | New    | Low      | tester nitb: connect ctrl interface only once  |          | 05/15/2017 12:58 PM |  |
| 2236 | OsmoGSMTester                   | Bug     | New    | Low      | ofono: Fix valgrind issues   |          | 01/08/2020 10:51 PM |  |

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| 2245 | OsmoGSMTester | Bug     | New    | Low      | osmo-bts cfg: fix band string  |          | 05/15/2017 12:58 PM | Related to #2230                                   |
| 2271 | OsmoGSMTester | Feature | New    | Low      | add test names to pick to the -s cmdline option  |          | 05/18/2017 12:32 PM |  |
| 2287 | OsmoGSMTester | Feature | New    | Low      | processes launched by gsmtester: store command lines called next to stdout and stderr              |          | 05/23/2017 12:11 PM |  |
| 2288 | OsmoGSMTester | Feature | New    | Low      | logging: print in a short way which resource is being reserved and used                            |          | 05/23/2017 02:25 PM |  |
| 2355 | OsmoBTS       | Bug     | New    | Low      | optimize log output of phy specific code   |          | 09/04/2019 09:26 AM | Related to #2355                                   |
| 2356 | OsmoBTS       | Feature | New    | Low      | have per-SAPI logging in OsmoBTS DL1P / DL1C   | osmith   | 03/19/2020 08:06 PM | Related to #2355                                   |
| 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                  |
| 2373 | OsmoMSC       | Bug     | New    | Low      | SMS sent to old Nokia 1100: "message 0x332/1" causes CP-ERROR, and SMS is received 5 or more times |          | 08/03/2018 05:22 PM |  |
| 2391 | OsmoMSC       | Feature | New    | Low      | add osmocom specific TLVs to A-interface for BTS/TS and subscriber details                         |          | 10/02/2018 03:40 PM |  |
| 2394 | OsmoHNBGW     | Feature | New    | Low      | Implement SABP (Service Area Broadcast Protocol)   | laforge  | 12/30/2020 01:19 AM | Related to #2392,Related to #3979                  |
| 2405 | OsmoPCU       | Feature | New    | Low      | RLC/MAC encoding routines don't use bitvec L/H   |          | 07/29/2017 09:01 AM |  |
| 2411 | OsmoMGW       | Feature | New    | Low      | No support for RTP dynamic payload types - AMR/HR/EFR payload types are hardcoded                  |          | 03/05/2018 07:04 PM |  |
| 2430 | OsmoTRX       | Feature | New    | Low      | osmo-trx support bladerf   |          | 02/14/2023 01:39 PM | Is duplicate of #2430,Is duplicate of #2430        |
| 2432 | OsmoGSMTester | Feature | New    | Low      | ofono: Find out how to receive Status / Delivery report  |          | 01/08/2020 10:51 PM |  |
| 2433 | OsmoNITB      | Bug     | New    | Low      | Drop MGCP_DUMMY_LOAD frames and use proper Osmux Dummy frames                                      | pespin   | 08/21/2017 02:23 PM |  |
| 2435 | OsmoHNBGW     | Bug     | New    | Low      | Osmocom asn1c/libasn1c is based on old fork  |          | 12/21/2022 01:54 PM | Related to #2435,Related to #2435,Related to #3862 |
| 2436 | OsmoHNBGW     | Feature | New    | Low      | Test cases for asn1c APER encoding   |          | 01/08/2020 10:56 PM | Related to #2435,Related to #2436,Related to #3862 |
| 2437 | OsmoHNBGW     | Bug     | New    | Low      | synchronize different asn1c APER forks   |          | 01/08/2020 10:56 PM | Related to #2435,Related to #2436,Related to #3862 |

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|------|---------------------------------|---------|--------|----------|---|----------|---------------------|---|
| 2451 | Cellular Network Infrastructure | Feature | New    | Low      | Add static builds to jenkins jobs   | osmith   | 09/30/2018 08:18 AM |   |
| 2452 | OsmoGSMTester                   | Bug     | New    | Low      | osmo-gsm-tester: ESME should send submit_sm as a response to deliver_sm       | pespin   | 10/29/2017 06:33 PM | Related to #2429  |
| 2462 | OsmoBSC                         | Feature | New    | Low      | clarify lchan->encr.alg_id  |          | 08/24/2017 01:27 PM | Related to #2462  |
| 2468 | OsmoGSMTester                   | Feature | New    | Low      | ofono: gobi modem doesn't support ofono SupplementaryServices interface       |          | 01/08/2020 10:51 PM |   |
| 2494 | OsmoGGSN (former OpenGGSN)      | Feature | New    | Low      | IPv6 support on the outer (transport) layer                                   |          | 02/06/2021 12:09 PM |   |
| 2546 | OsmoMGW                         | Feature | New    | Low      | support play-out/announcement endpoint type                                   |          | 10/06/2017 12:30 PM |   |
| 2554 | Cellular Network Infrastructure | Feature | New    | Low      | Reference/Demo setup + documentation for use of OsmoBSC+OsmoBSCNAT with OSMUX | pespin   | 06/08/2020 07:07 PM | Related to #2553,Related to #2552,Related to #2551,Related to #2554 |
| 2567 | OsmoHLR                         | Feature | New    | Low      | tell the MSC(s) when subscriber data has changed                              |          | 10/11/2017 01:50 AM |   |
| 2571 | libosmo-abis                    | Bug     | New    | Low      | libosmo-abis API documentation missing (doxygen)                              | osmith   | 02/06/2021 02:27 PM |   |
| 2580 | OsmoMGW                         | Feature | New    | Low      | implement timeout/resend mechanism for mgcp_client                            |          | 09/04/2019 09:26 AM |   |
| 2584 | Cellular Network Infrastructure | Feature | New    | Low      | Have "osmo-network-check" to verify "Network In The Box" setup                | neels    | 10/05/2018 04:20 PM | Related to #2618  |
| 2601 | libosmo-sccp + libosmo-sigtran  | Feature | New    | Low      | osmo-msc still needs libosmo-sccp-dev for SCCP CAUSE definitions              | laforge  | 02/13/2021 06:07 PM |   |
| 2603 | OsmoPCU                         | Bug     | New    | Low      | Review the various incomplete and never merged changes in radisys branch      |          | 01/08/2020 10:44 PM | Related to #1775  |
| 2610 | libosmocore                     | Feature | New    | Low      | optimize GnuTLS fallback  |          | 05/01/2018 04:07 PM | Related to #2610,Related to #3909                                   |
| 2612 | OsmoGSMTester                   | Feature | New    | Low      | Allow skipping pcaps by configuration if access to tcpdump is not wanted      |          | 04/06/2020 11:25 AM |   |
| 2651 | OsmoMGW                         | Feature | New    | Low      | Support MGCP Piggybacking   |          | 11/18/2017 05:44 PM |   |
| 2669 | OsmoMSC                         | Bug     | New    | Low      | osm-msc doesn't clean up BSC state  | osmith   | 09/30/2018 11:37 AM |   |
| 2674 | OsmoBTS                         | Bug     | New    | Low      | osmo-bts-sysmo GPRS failing if running without "-M"                           | pespin   | 07/18/2019 06:08 AM |   |
| 2675 | OsmoBTS                         | Bug     | New    | Low      | /usr/bin/lc15bts-mgr can't find GPS 3D fix to for calibration                 | pespin   | 02/13/2018 03:34 PM |   |
| 2692 | OsmoSGSN                        | Bug     | New    | Low      | HLR string in CDR and VTY is empty  | pespin   | 09/30/2018 11:39 AM |   |
| 2698 | OsmoMSC                         | Bug     | New    | Low      | Add more tests to jenkins job testing osmo-msc against NG40tester             |          | 01/08/2020 10:17 PM | Related to #2477  |
| 2702 | OsmoMGW                         | Feature | New    | Low      | libosmo-mgcp doesn't use osmo_sock_API  |          | 12/03/2017 09:42 AM |   |
| 2712 | libosmocore                     | Feature | New    | Low      | implement reproducible talloc context printout, i.e. without memory addresses |          | 01/08/2020 10:21 PM | Related to #2781  |

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| 2717 | libosmo-abis                    | Bug     | New    | Low      | libosmo-abis doesn't use ipa_ccm_make_id_resp()   |          | 12/06/2017 05:47 PM |                                   |
| 2802 | linmodem                        | Feature | New    | Low      | report the connected speed in "CONNECT" message   |          | 01/01/2018 12:18 PM |                                   |
| 2803 | linmodem                        | Bug     | New    | Low      | return ERROR for unsupported AT commands  |          | 01/01/2018 12:19 PM |                                   |
| 2804 | linmodem                        | Feature | New    | Low      | DAHDI interface   |          | 01/01/2018 12:27 PM |                                   |
| 2805 | FidoNet                         | Bug     | New    | Low      | Create reproducible / semi-automatic way to create FidoNet node on Linux  |          | 07/18/2019 05:34 AM |                                   |
| 2806 | UUCP and UseNet                 | Feature | New    | Low      | Create Dockerfile and/or ansible playbook for UseNet node   |          | 01/01/2018 01:04 PM |                                   |
| 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 |                                   |
| 2832 | OsmoMSC                         | Feature | New    | Low      | MNCC doesn't include field for "supported codecs"   |          | 01/16/2018 07:00 AM | Related to #2832,Related to #1683 |
| 2839 | Cellular Network Infrastructure | Bug     | New    | Low      | statistics split between 2G and 3G  |          | 07/18/2019 05:22 AM |                                   |
| 2840 | OsmoHLR                         | Feature | New    | Low      | HLR should allow 2g-only or 3g-only subscribers   | neels    | 10/28/2020 09:22 PM |                                   |
| 2860 | OsmoGSMTester                   | Feature | New    | Low      | osmo-gsm-tester: Add 3g support with nano3G board   | pespin   | 03/31/2023 03:26 PM | Related to #2860                  |
| 2878 | OsmoMSC                         | Feature | New    | Low      | OsmoMSC support for "Follow-on request/proceed"   |          | 01/26/2018 09:11 PM |                                   |
| 2884 | OsmoMSC                         | Bug     | New    | Low      | Call Control timers are very long and not configurable  |          | 01/08/2020 10:56 PM |                                   |
| 2899 | OsmoBSC                         | Bug     | New    | Low      | channel attributes are sent to BTS even for NONE channels   | osmith   | 09/30/2018 10:42 AM |                                   |
| 2913 | OsmocomBB                       | Feature | New    | Low      | Add a tool that decodes Cell Broadcasts (SMSCB)   |          | 09/29/2018 09:31 AM | Related to #3564                  |
| 2918 | OsmoBSC                         | Feature | New    | Low      | Implement a function to properly test connection clearing in MSC_ConnectionHandler.tcn (BSC-Tests)  |          | 01/08/2020 10:21 PM |                                   |
| 2933 | OsmoMSC                         | Bug     | New    | Low      | change of trans->bearer_cap (e.g. via MNCC) will not trigger BSSMAP ASSIGNMENT  |          | 02/12/2018 11:36 AM | Related to #2854                  |
| 2942 | OsmoBTS                         | Bug     | New    | Low      | osmo-bts-virtual+virtphy+mobile paging for SMS delivery fails   |          | 02/13/2018 05:05 PM |                                   |
| 2946 | OsmoGGSN (former OpenGGSN)      | Feature | New    | Low      | Add test suite for sgsnemu  | pespin   | 11/21/2019 05:03 PM |                                   |
| 2959 | OsmoSGSN                        | Bug     | New    | Low      | OsmoSGSN puts bogus LAC/RAC in GTP Create PDP CTX ACT REQ   | osmith   | 09/30/2018 11:41 AM |                                   |
| 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                  |
| 2974 | OsmoBTS                         | Bug     | New    | Low      | OsmoBTS doesn't use the "Diagnostics" part of the RSL Cause IE  |          | 07/18/2019 05:48 AM |                                   |
| 3006 | libosmo-netif                   | Bug     | New    | Low      | Osmux: improvements on lost/dropped RTP packets   |          | 09/30/2018 08:34 AM |                                   |
| 3019 | OsmoHLR                         | Feature | New    | Low      | add config for number of auth tuples returned   |          | 06/23/2018 06:58 PM |                                   |
| 3033 | OsmoTRX                         | Feature | New    | Low      | Split wiki page into multiple smaller pages   |          | 03/05/2018 11:28 AM |                                   |
| 3058 | OsmoBTS                         | Bug     | New    | Low      | RSL SACCH FILLING are per TRX, not BTS scope  |          | 03/11/2018 08:55 PM |                                   |

| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|---------------------------------|---------|--------|----------|--|----------|---------------------|-----------------------------------|
| 3068 | OsmoGSMTester                   | Bug     | New    | Low      | osmo-gsm-tester: resource objects leaked or destroyed too late                                     | pespin   | 03/31/2023 03:28 PM |                                   |
| 3125 | OsmoMSC                         | Bug     | New    | Low      | testcase for fixed "osmo-msc crashes while handling a call"  | neels    | 06/23/2018 07:26 PM | Related to #3122,Related to #2880 |
| 3126 | SDR (Software Defined Radio)    | Bug     | New    | Low      | Windows 10 Pro 1709: crash of rtl_test.exe   |          | 03/30/2018 02:16 PM |                                   |
| 3142 | Cellular Network Infrastructure | Feature | New    | Low      | Further simplification of "NITB like" setups   |          | 04/05/2018 08:09 PM |                                   |
| 3163 | OsmoMSC                         | Bug     | New    | Low      | RANAP: reject Level 3 Complete from cells with invalid LAI   | osmith   | 07/18/2019 05:47 AM | Related to #3162,Related to #3163 |
| 3165 | OsmoMSC                         | Feature | New    | Low      | Verify LU Request's LAI  | osmith   | 07/18/2019 05:48 AM | Related to #3164                  |
| 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                  |
| 3169 | OsmoMSC                         | Bug     | New    | Low      | OsmoMSC rejects SMPP messages with empty SMS   |          | 01/08/2020 10:56 PM |                                   |
| 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 |
| 3207 | OsmoMGW                         | Feature | New    | Low      | Support for RTP Payload Format according to "ETSI TS 101 318"                                      |          | 04/24/2018 03:53 PM |                                   |
| 3210 | osmo-fl2k                       | Feature | New    | Low      | man pages  | steve-m  | 04/24/2018 08:55 PM |                                   |
| 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                  |
| 3234 | OsmoGSMTester                   | Feature | New    | Low      | osmo-gsm-tester: poll the python-smpplib socket using non-busy approach                            | pespin   | 03/31/2023 03:28 PM | Related to #2512                  |
| 3280 | OsmocomBB                       | Feature | New    | Low      | Multiparty SS support in OsmocomBB   |          | 05/22/2018 07:40 AM |                                   |
| 3345 | OsmoTRX                         | Feature | New    | Low      | merge ms branch  |          | 06/13/2018 07:16 PM |                                   |
| 3382 | Cellular Network Infrastructure | Bug     | New    | Low      | Investigate and fix lintian issues listed by Debian Lintian Report                                 | osmith   | 12/01/2019 09:27 AM |                                   |
| 3386 | Cellular Network Infrastructure | Feature | New    | Low      | Generate man pages at build time from adoc files   | osmith   | 05/11/2023 11:24 AM | Precedes #3386                    |
| 3387 | OsmocomBB                       | Feature | New    | Low      | osmocon: Use libosmocom logging system   |          | 10/05/2018 04:21 PM |                                   |
| 3398 | GSM Audio Pocket Knife          | Bug     | New    | Low      | build: configure fails if (optional) libalsa wasn't found  | fixeria  | 12/01/2019 10:08 AM |                                   |
| 3443 | OsmoMGW                         | Bug     | New    | Low      | Check audio-payload options in osmo-mgw VTY  |          | 03/15/2020 08:43 AM |                                   |
| 3469 | OsmoMSC                         | Feature | New    | Low      | Support for "service category" in emergency calls  |          | 08/24/2018 12:48 PM | Related to #3470                  |
| 3470 | OsmoMSC                         | Feature | New    | Low      | Allow sending "Emergency Number List IE" in LU ACCEPT  |          | 09/01/2018 08:18 PM | Related to #3470                  |
| 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 |                                   |

| #    | Project                         | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                                     |
|------|---------------------------------|---------|--------|----------|---|----------|---------------------|--|
| 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                                   |
| 3484 | OsmoBSC                         | Feature | New    | Low      | handover decision: if rxlev is ok but rxqual is bad, move to different timeslot with same TCH kind to avoid interference                  |          | 10/16/2018 01:30 PM |  |
| 3485 | OsmoBSC                         | Feature | New    | Low      | handover to make room for a less capable subscriber   |          | 10/16/2018 01:16 PM | Related to #3485                                   |
| 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                  |
| 3501 | SIMtrace 2                      | Feature | New    | Low      | Multi-sim addon board idea  |          | 08/28/2018 03:00 PM |  |
| 3522 | libosmocore                     | Feature | New    | Low      | libosmocoding: move TCH ordering functions to libosmocodec and share them   | fixeria  | 09/04/2018 08:49 PM |  |
| 3567 | Cellular Network Infrastructure | Bug     | New    | Low      | coverity: move the secret token out of \$HOME/osmo-ci/.../  | lynxis   | 07/18/2019 05:22 AM |  |
| 3593 | gr-osmosdr                      | Bug     | New    | Low      | rtl: 'len' argument ignored in librtlsdr callback   | horiz0n  | 07/18/2019 05:35 AM |  |
| 3597 | gr-osmosdr                      | Feature | New    | Low      | rtl: send final samples when device is lost   | horiz0n  | 07/18/2019 05:35 AM |  |
| 3602 | OsmoSTP                         | Feature | New    | Low      | M2UA support  |          | 09/30/2018 08:00 AM |  |
| 3603 | OsmoSTP                         | Feature | New    | Low      | M2PA support  |          | 10/03/2018 08:58 AM | Related to #3603                                   |
| 3609 | OsmoSTP                         | Feature | New    | Low      | Support for C-Link  |          | 10/03/2018 08:58 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                                   |
| 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 |
| 3642 | OsmoBSC                         | Bug     | New    | Low      | logging filter imsi leaks bsc_subscr references   |          | 10/09/2018 10:04 PM |  |
| 3648 | OsmoMSC                         | Feature | New    | Low      | persistent VLR (across re-starts of osmo-msc / across power outage)   |          | 05/17/2022 05:39 PM | Related to #3649                                   |
| 3649 | OsmoHLR                         | Feature | New    | Low      | Investigate LMDB as HLR data storage  |          | 10/12/2018 11:35 AM | Related to #3649                                   |
| 3658 | Cellular Modem Information      | Feature | New    | Low      | Create a "osmocombb-host-latest" docker container   |          | 12/01/2019 09:07 AM | Related to #3658                                   |
| 3670 | Cellular Network Infrastructure | Feature | New    | Low      | TTCN-3 tests for statsd exporter code   |          | 09/04/2019 09:03 AM |  |
| 3688 | OsmoSGSN                        | Feature | New    | Low      | move generic gtpub code to libosmocore  |          | 04/15/2019 07:29 AM |  |
| 3694 | Cellular Network Infrastructure | Bug     | New    | Low      | Fix lintian warnings in .deb packages   |          | 07/18/2019 05:20 AM | Related to #3699                                   |
| 3712 | SIMtrace 2                      | Bug     | New    | Low      | TRACE_FATAL not printing  | laforge  | 04/06/2021 01:28 AM |  |
| 3714 | Cellular Network Infrastructure | Feature | New    | Low      | implement Internal Handover With MSC Support  | neels    | 02/06/2021 02:04 PM | Related to #3714                                   |
| 3732 | OsmoHLR                         | Feature | New    | Low      | Support tacdb query in HLR  |          | 07/18/2019 06:12 AM | Related to #3732                                   |



| #    | Project                         | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|---------------------------------|---------|--------|----------|---|----------|---------------------|--|
| 3737 | OsmoBSC                         | Bug     | New    | Low      | abort because unused lchan has non-null conn pointer, after AMR config error  |          | 05/08/2019 03:35 PM |  |
| 3740 | OsmoGSMTester                   | Bug     | New    | Low      | osmo-gsm-tester: Figure out best fix for iperf3m4.py where some MS fails to register  | pespin   | 03/31/2023 03:28 PM |  |
| 3755 | OsmoMSC                         | Feature | New    | Low      | make retrieval of IMEISV configurable   |          | 05/07/2019 12:28 PM | Related to #3755   |
| 3779 | Cellular Network Infrastructure | Feature | New    | Low      | explore providing a VM image with all of osmocom CNI and related tools installed  |          | 02/04/2019 09:52 AM |  |
| 3780 | OsmoBTS                         | Bug     | New    | Low      | existing test suite doesn't catch wrong measurement processing  | dexter   | 10/26/2020 09:56 PM |  |
| 3782 | OsmoBTS                         | Bug     | New    | Low      | OML bringup fails for osmo-bts-oc2g on high latency links   |          | 01/08/2020 10:27 PM | Related to #3782, Related to #3782, Related to #3789, Related to #4031 |
| 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   |
| 3796 | OsmoBTS                         | Bug     | New    | Low      | OsmoBTS doesn't send proper cause values in NACK  |          | 07/18/2019 06:04 AM | Related to #3796   |
| 3822 | OsmoMGW                         | Bug     | New    | Low      | conn mode "sendonly" behaves identically to "sendrecv"  |          | 03/04/2019 09:34 PM |  |
| 3831 | OsmoBSC                         | Feature | New    | Low      | BSC support for "network sharing" via MOCN  |          | 01/20/2021 10:03 AM | Related to #4473   |
| 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 |  |
| 3845 | libosmocore                     | Feature | New    | Low      | Unified logging in Gb NS / BSSGP code   |          | 03/16/2019 02:33 PM |  |
| 3887 | osmo-remsim                     | Feature | New    | Low      | remsim-client: allow for local handling of APDUs  | laforge  | 12/03/2019 12:20 AM |  |
| 3962 | OsmoTRX                         | Feature | New    | Low      | osmo-trx: Use gcc attribute no_sanitize to run fine with ASan enabled   |          | 08/26/2019 02:04 PM |  |
| 3970 | OsmoTRX                         | Bug     | New    | Low      | libusrp fails to compile 1/4 of times in jenkins with PARALLEL_MAKE set   |          | 01/08/2020 10:56 PM | Is duplicate of #3970  |
| 3987 | libosmocore                     | Feature | New    | Low      | introduce libosmocore_init() to replace individual initialization calls   |          | 05/08/2019 03:03 PM | Related to #3987   |
| 3988 | OsmoMSC                         | Feature | New    | Low      | change the remaining DEBUGP() statements to LOG_MSC_A() / LOG_MSC_A_CAT()   |          | 05/08/2019 03:26 PM |  |
| 4004 | OsmoMSC                         | Bug     | New    | Low      | lu_fsm_priv.rej_cause is never used   | neels    | 11/21/2023 02:37 AM |  |
| 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                                     |
| 4014 | OsmoBTS                         | Feature | New    | Low      | Allow multiple [virtual] BTS instances on same [SDR] hardware that supports multiple TRX  |          | 05/21/2019 12:07 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                                     |

| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|---------------------------------|---------|--------|----------|--|----------|---------------------|------------------|
| 4069 | Cellular Network Infrastructure | Bug     | New    | Low      | Implement IPA PING/PONG mechanism everywhere   | osmith   | 02/06/2021 02:27 PM | Related to #4072 |
| 4103 | libosmocore                     | Feature | New    | Low      | TUAK support as per 3GPP TS 35.231   |          | 03/24/2021 12:33 PM |                  |
| 4108 | Cellular Network Infrastructure | Bug     | New    | Low      | osmo-ctrl2cgi, osmo-trap2cgi: missing default configs  |          | 07/16/2019 12:30 PM | Related to #4108 |
| 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 |
| 4128 | OsmoHNBGW                       | Feature | New    | Low      | Add support of Huawei hNodeB protocol  |          | 07/24/2019 03:39 PM |                  |
| 4150 | OsmoMGW                         | Feature | New    | Low      | dead code / If an MDCX omits SDP, all codec config might be cleared  |          | 08/13/2019 11:01 PM |                  |
| 4189 | OsmoBSC                         | Feature | New    | Low      | TTCN-3 tests for load-based hand-over in BSC   |          | 09/04/2019 09:10 AM | Related to #4189 |
| 4226 | Retronetworking                 | Feature | New    | Low      | STM-1 / USB interface?   |          | 01/30/2022 10:14 AM |                  |
| 4242 | BBS-Revival                     | Feature | New    | Low      | offer CCC event schedule (Fahrplan) as gopher service  |          | 10/28/2019 09:22 AM |                  |
| 4275 | OsmoSTP                         | Feature | New    | Low      | Add TTCN3 STP_Tests_IPA.TC_tmt_broadcast   | pespin   | 12/01/2019 11:04 AM |                  |
| 4277 | Cellular Network Infrastructure | Feature | New    | Low      | implement an SMSC to work with OsmoMSC   |          | 11/22/2019 02:45 PM |                  |
| 4303 | OsmoHLR                         | Bug     | New    | Low      | various minor issues about evaluation of rc = db_subscr_get_by_*   |          | 12/03/2019 11:02 PM |                  |
| 4304 | libosmocore                     | Bug     | New    | Low      | missing unit tests for many gsm48_{encode,decode} functions  |          | 12/04/2019 01:50 PM |                  |
| 4317 | osmo-pcap                       | Bug     | New    | Low      | external tests not enabled in jenkins.sh   |          | 12/10/2019 02:42 PM |                  |
| 4354 | OsmocomBB                       | Bug     | New    | Low      | update wiki about GTM-900B compatibility   | laforge  | 09/30/2020 11:38 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 |
| 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 |
| 4406 | OsmoGSMTester                   | Feature | New    | Low      | osmo-gsm-tester: Support setting auth_algo milenage or similar on osmocom software and filling HLR parameters like OPC | pespin   | 03/31/2023 03:26 PM | Related to #4407 |
| 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 |
| 4458 | Core testing infrastructure     | Feature | New    | Low      | Set up a STF (Smartphone Testing Farm)   |          | 03/18/2020 02:44 PM |                  |
| 4473 | OsmoBTS                         | Feature | New    | Low      | Support for broadcast of MOCN related SI21/22/23   |          | 03/29/2020 07:39 PM | Related to #4473 |
| 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 |                  |
| 4491 | OsmoHLR                         | Bug     | New    | Low      | Cancel in old VLR/SGSN, if new VLR/SGSN differs from old   |          | 04/15/2020 12:29 PM |                  |
| 4496 | osmo-uecups                     | Feature | New    | Low      | implement filters for sharing as single tun device between multiple bearers  | laforge  | 04/17/2020 08:31 AM |                  |
| 4502 | OsmoGSMTester                   | Feature | New    | Low      | osmo-gsm-tester: support gpio controlled step attenuators of the LTHW main unit  | pespin   | 03/31/2023 03:28 PM |                  |
| 4504 | OsmoTRX                         | Feature | New    | Low      | Buidl LimeSuite without GUI in osmocom feeds   |          | 09/30/2020 08:08 PM |                  |

| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|---------------------------------|---------|--------|----------|--|----------|---------------------|------------------|
| 4574 | OsmoHNBGW                       | Feature | New    | Low      | Femtocell choice in 2020/06  |          | 03/09/2024 07:09 PM |                  |
| 4587 | Cellular Network Infrastructure | Feature | New    | Low      | Add port numbers to /etc/services during installation  |          | 06/08/2020 10:28 AM | Related to #5013 |
| 4588 | OsmoHLR                         | Feature | New    | Low      | OsmoHLR doesn't appear to have any statistics / counters   |          | 06/06/2020 09:44 AM |                  |
| 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 |                  |
| 4630 | OsmoBTS                         | Bug     | New    | Low      | osmo-bts: GSMTAP DL (tx) messages use hardcoded signal level 0   |          | 10/05/2022 09:11 AM |                  |
| 4631 | OsmoSGSN                        | Bug     | New    | Low      | packet/byte counters don't work for 3G   |          | 06/24/2020 06:58 AM |                  |
| 4634 | OsmoMSC                         | Feature | New    | Low      | lu: record SAC, and show RNC ID and SAC in the vty upon 'show subscriber'  |          | 06/24/2020 06:08 PM |                  |
| 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 |                  |
| 4642 | OsmoNITB                        | Bug     | New    | Low      | Attempting to set illegal id for FSM instance of type 'OM2000-MO'  |          | 07/03/2020 06:40 PM |                  |
| 4647 | OsmoBSC                         | Bug     | New    | Low      | Getting attributes from BTS0 type nokia_site is not supported.   |          | 07/04/2020 09:05 AM |                  |
| 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 |                  |
| 4678 | osmo-clock-gen                  | Feature | New    | Low      | Increase mounting hole size to support M3 screws   | mschramm | 07/25/2020 08:43 PM |                  |
| 4682 | OsmoBSC                         | Feature | New    | Low      | OM2000 MCTR Support for Ericsson RBS6000 / DUG 20  |          | 07/30/2020 06:51 AM | Precedes #4682   |
| 4691 | OsmoMSC                         | Bug     | New    | Low      | setfault in osmo_sockaddr_str_is_set() via call_leg_ensure_ci()  |          | 02/06/2021 09:47 AM |                  |
| 4737 | Distributed GSM                 | Support | New    | Low      | How to configure Queries gsup.hlr.123456789.imsi, sip.voice.123.msisdn, smpp.sms.123.msisdn  |          | 08/31/2020 11:10 AM |                  |
| 4745 | OsmoMGW                         | Bug     | New    | Low      | osmo-mgw: Wrong IP address returned in SDP "o=" section  |          | 10/05/2022 11:00 AM |                  |
| 4762 | osmo-sip-connector              | Feature | New    | Low      | Osmo Analog Support  |          | 09/25/2020 07:31 AM | Related to #4763 |
| 4783 | libosmocore                     | Bug     | New    | Low      | doxygen: duplicate 'ports.h' warning   |          | 10/07/2020 01:29 PM |                  |
| 4790 | OsmoHNBGW                       | Feature | New    | Low      | Vodafone HSPA+ femtocell available in Deutschland  |          | 03/09/2024 07:08 PM |                  |
| 4806 | osmo-ccid-firmware              | Feature | New    | Low      | Add support of T=1?  |          | 10/15/2020 03:40 PM |                  |
| 4808 | OsmoGSMTester                   | Feature | New    | Low      | osmo-gsm-tester: Add test setup to verify baseband frequency hopping   | pespin   | 03/31/2023 03:25 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 |
| 4812 | OsmoPCU                         | Feature | New    | Low      | RTTI (Reduced Transmission Time Interval) Support  |          | 10/16/2020 08:43 AM |                  |
| 4813 | OsmoPCU                         | Feature | New    | Low      | FANR (Fast ACK/NACK Reporting) support   |          | 10/16/2020 08:46 AM |                  |
| 4814 | osmo-clock-gen                  | Bug     | New    | Low      | alignment of DC barrel with face plate   | mschramm | 10/16/2020 05:30 PM | Related to #4814 |
| 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 |
| 4860 | libosmo-abis                    | Feature | New    | Low      | Implement separation of line/TEI/datalinks in E1 pcap  |          | 11/04/2021 06:31 PM |                  |
| 4863 | OsmoMSC                         | Bug     | New    | Low      | T3212 is unclear in config/vty   |          | 11/19/2020 06:10 PM |                  |

| #    | Project                         | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|---------------------------------|---------|--------|----------|---|----------|---------------------|-----------------------------------|
| 4882 | OsmoHNBGW                       | Feature | New    | Low      | HSPA+ Picocell available in U.S   |          | 03/09/2024 07:08 PM |                                   |
| 4893 | osmo-gbproxy                    | Feature | New    | Low      | gbproxy2: Make feature bitmap configurable  |          | 12/08/2020 07:55 AM | Related to #4893                  |
| 4900 | OsmoGSMTester                   | Feature | New    | Low      | hardware and wiring verification / selftest   |          | 12/08/2020 11:03 AM |                                   |
| 4915 | osmo-e1d                        | Feature | New    | Low      | consider a one-thread-per-line architecture   |          | 07/29/2023 07:31 AM |                                   |
| 4933 | OsmoHNBGW                       | Bug     | New    | Low      | Femtocell choice in U.K 2021/01   |          | 03/09/2024 07:09 PM |                                   |
| 4944 | OsmoCBC                         | Feature | New    | Low      | 3G SABP support in OsmoCBC  | laforge  | 01/13/2021 09:13 AM | Related to #4944,Related to #4944 |
| 4971 | Osmocom Analog                  | Feature | New    | Low      | OsmoCC Socket Documentation   | jolly    | 10/18/2023 02:49 PM |                                   |
| 4978 | OsmoBSC                         | Feature | New    | Low      | Support for generating BSSMAP LOAD INDICATION   |          | 01/27/2021 02:40 PM | Related to #4979,Related to #4980 |
| 4979 | OsmoBSC                         | Feature | New    | Low      | Support for parsing incoming BSSMAP LOAD INDICATION   |          | 01/27/2021 02:41 PM | Related to #4979,Related to #4980 |
| 4980 | OsmoMSC                         | Feature | New    | Low      | Implement routing of BSSMAP LOAD INDICATION in OsmoMSC  |          | 01/27/2021 02:43 PM | Related to #4980,Related to #4980 |
| 4981 | OsmoBSC                         | Feature | New    | Low      | Support for generating BSSMAP RESOURCE INDICATION   |          | 01/27/2021 03:02 PM | Related to #4982                  |
| 4982 | OsmoMSC                         | Feature | New    | Low      | Support for BSSMAP RESOURCE INDICATION  |          | 01/27/2021 03:01 PM | Related to #4982                  |
| 4983 | OsmoMSC                         | Feature | New    | Low      | PERFORM LOCATION REQUEST / RESPONSE   |          | 01/28/2021 11:44 AM |                                   |
| 4986 | OsmoBTS                         | Feature | New    | Low      | No TTCN3 tests of AMR rate/link adaptation  |          | 01/28/2021 01:36 PM |                                   |
| 4987 | OsmoBTS                         | Feature | New    | Low      | No TTCN3 test for AMR DTX FSMs  |          | 01/28/2021 01:37 PM | Related to #5474                  |
| 4988 | OsmoBTS                         | Feature | New    | Low      | No TTCN3 test for AMR TFO / DL CMR handling   |          | 01/28/2021 01:38 PM |                                   |
| 4989 | OsmoBTS                         | Feature | New    | Low      | AMR RATSCCH support   |          | 01/28/2021 01:41 PM |                                   |
| 4990 | OsmoBSC                         | Feature | New    | Low      | TTCN3 test for AMR MultiRate IEs in RR and RSL  |          | 07/02/2021 04:34 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 |                                   |
| 5012 | osmo-uecups                     | Feature | New    | Low      | use osmo-uecups from GGSN_Tests.ttcn  | pespin   | 02/06/2021 10:02 AM | Related to #5012                  |
| 5013 | Cellular Network Infrastructure | Feature | New    | Low      | investigate "vtysh" for Osmocom   |          | 02/06/2021 02:14 PM | Related to #5013                  |
| 5015 | libosmocore                     | Bug     | New    | Low      | ns2: add consistency check for ns configuration as callback   |          | 03/29/2021 09:17 PM |                                   |
| 5016 | libosmocore                     | Bug     | New    | Low      | ns2: what happens when a dynamic NSE is present, but the user tries to configure it via vty                   | lynxis   | 03/29/2021 09:17 PM |                                   |
| 5035 | libosmocore                     | Bug     | New    | Low      | ns2: add a vty to drop a sns connection   |          | 03/29/2021 09:16 PM |                                   |
| 5044 | OsmoMGW                         | Bug     | New    | Low      | potential null pointer dereferences   | pespin   | 02/24/2021 11:48 AM |                                   |

| #    | Project                               | Tracker | Status | Priority | Subject   | Assignee  | Updated             | Related issues   |
|------|---------------------------------------|---------|--------|----------|---|-----------|---------------------|------------------|
| 5128 | Core testing infrastructure           | Feature | New    | Low      | dec_RlcmacDICtrlBlock: Get rid of annoying warning about remaining padding      |           | 12/09/2021 09:14 PM |                  |
| 5143 | Osmocom Analog                        | Feature | New    | Low      | Using ADALM PLUTO SDR with osmocom-analog                                       | jolly     | 05/05/2021 05:01 PM |                  |
| 5149 | OsmoPCU                               | Bug     | New    | Low      | osmo-pcu fails to allocate all DL-TBF possible slots under specific scenario    | pespin    | 09/15/2021 09:49 AM |                  |
| 5156 | OsmoBSC                               | Feature | New    | Low      | Support intraBSC handover between distinct BTS types                            |           | 11/04/2021 06:27 PM |                  |
| 5167 | Osmocom Analog                        | Feature | New    | Low      | LimeNet Micro   |           | 04/02/2023 08:57 AM |                  |
| 5183 | OsmoHLR                               | Feature | New    | Low      | EIR functionality   |           | 06/16/2021 06:22 AM | Related to #5183 |
| 5190 | OsmoBSC                               | Bug     | New    | Low      | segfault with osmo-e1d  |           | 09/15/2021 09:34 AM |                  |
| 5212 | OsmoPCU                               | Bug     | New    | Low      | apparently T3193 is by default not set to its defined default value             | pespin    | 11/15/2021 07:13 PM |                  |
| 5228 | OsmoTRX                               | Feature | New    | Low      | osmo-trx: Missing unit tests for computeCI() and computeEdgeCI()                | Hoernchen | 11/07/2022 06:23 PM |                  |
| 5229 | libosmocore                           | Bug     | New    | Low      | SNS Size with max_nsvcs = 1 results in a valid config even 2 binds a configured | lynxis    | 09/05/2021 08:18 PM |                  |
| 5235 | pySim                                 | Feature | New    | Low      | import / export as eUICC profile package ASN.1                                  |           | 06/09/2023 04:55 PM |                  |
| 5246 | OsmoBSC                               | Bug     | New    | Low      | sigsegv in bts_count_free_ts()  | keith     | 10/03/2021 08:08 PM | Related to #5324 |
| 5304 | OsmoHNBGW                             | Bug     | New    | Low      | Verizon CDMA femtocell  |           | 03/09/2024 07:09 PM |                  |
| 5320 | osmo-remsim                           | Feature | New    | Low      | support SAP of Telit AT#RSEN  |           | 11/22/2021 10:38 AM |                  |
| 5321 | osmo-remsim                           | Feature | New    | Low      | support SAP of u-blox AT+USAPMODE   |           | 11/22/2021 10:37 AM |                  |
| 5346 | libosmocore                           | Bug     | New    | Low      | osmo-release.sh doesn't work with %{sover} macro in spec.in                     | pespin    | 12/09/2021 12:03 PM |                  |
| 5370 | osmo-lab-rack                         | Feature | New    | Low      | component carrier USB hub   |           | 12/23/2021 06:30 PM |                  |
| 5371 | osmo-lab-rack                         | Feature | New    | Low      | component carrier USB-UART  |           | 12/23/2021 06:31 PM |                  |
| 5372 | osmo-lab-rack                         | Feature | New    | Low      | AC power supply   |           | 12/23/2021 06:33 PM |                  |
| 5386 | osmo-e1d                              | Bug     | New    | Low      | stop watchdog when LOS is present   | laforge   | 01/05/2022 08:38 PM |                  |
| 5388 | OsmocomDECT                           | Bug     | New    | Low      | {MM-INFO-SUGGEST} message not sent with ext bit set to 0                        |           | 01/09/2022 12:28 PM |                  |
| 5389 | OsmocomDECT                           | Bug     | New    | Low      | Namespace clashes between kernel and userspace                                  |           | 01/09/2022 12:30 PM |                  |
| 5423 | SIMtrace 2                            | Bug     | New    | Low      | "trace" firmware continuous test setup  |           | 01/27/2022 12:24 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 |                  |
| 5435 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | use DNS to resolve the server   |           | 04/05/2022 08:20 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 |                  |
| 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 |                  |

| #    | Project                               | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|---------------------------------------|---------|--------|----------|--|----------|---------------------|------------------|
| 5449 | OsmoGGSN (former OpenGGSN)            | Bug     | New    | Low      | osmo-ggsn: Accept IPv4v6 EJA pdp creation in APv4/v6-only APNs by answering with changed PDP Type        |          | 04/04/2023 09:46 AM |                  |
| 5487 | OsmoSGSN                              | Feature | New    | Low      | get rid of osmo-juh.git's iu_client API and absorb into OsmoSGSN   |          | 03/10/2022 06:05 PM |                  |
| 5489 | linmodem                              | Feature | New    | Low      | linmodem mISDN integration   |          | 03/13/2022 09:35 PM |                  |
| 5491 | OsmoMSC                               | Bug     | New    | Low      | MT CSFB calls fail (only) first time after Airplane mode toggle (probably on first attach to EUTRAN too) | keith    | 03/19/2022 09:37 PM |                  |
| 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 |                  |
| 5511 | Retronetworking                       | Feature | New    | Low      | Idea: DAHDI backend for mISDN  |          | 09/18/2022 03:59 PM |                  |
| 5512 | Retronetworking                       | Bug     | New    | Low      | Idea: L1OIP driver for DAHDI   |          | 04/03/2022 11:46 AM |                  |
| 5519 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | reimplement overlapped.php based on yate python module   |          | 12/03/2023 10:47 AM |                  |
| 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 |                  |
| 5526 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | ability to generate GSMTAP traces from osmo-e1d  |          | 07/29/2023 07:23 AM |                  |
| 5545 | Retronetworking                       | Feature | New    | Low      | E1 support for dynamips  |          | 04/24/2022 09:56 AM |                  |
| 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 |                  |
| 5561 | libosmo-sccp + libosmo-sigtran        | Bug     | New    | Low      | pc=0=0.0.0 / RCOC-ERROR.ind not permitted  |          | 05/23/2023 06:20 AM |                  |
| 5585 | OsmoCBC                               | Bug     | New    | Low      | CBC should not send WRITE-REPLACE to cells that had sent FAILURE   |          | 08/05/2022 04:58 PM |                  |
| 5628 | osmo-remsim                           | Bug     | New    | Low      | client-st2: error mesasges when mapping is removed   |          | 07/24/2022 07:14 AM |                  |
| 5682 | OsmoUPF                               | Feature | New    | Low      | cfg: separate PFCP Node ID from PFCP local address   |          | 09/17/2022 02:21 PM | Related to #5682 |
| 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 |                  |
| 5722 | Cellular Network Infrastructure       | Feature | New    | Low      | Migrate jenkins build slaves from docker to podman   |          | 10/21/2022 08:29 PM | Related to #5722 |
| 5730 | OsmoMGW                               | Feature | New    | Low      | Fax over GSM support   | manawyrm | 10/16/2023 08:53 PM | Precedes #5730   |
| 5740 | OsmoBSC                               | Feature | New    | Low      | Disallow unworkable AMR modes.   | keith    | 11/08/2022 05:15 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 |                  |
| 5746 | Retronetworking                       | Feature | New    | Low      | Create H.221 decoder   |          | 11/07/2022 10:55 PM |                  |
| 5766 | libosmo-abis                          | Feature | New    | Low      | use Linux kernel KCM for IPA header?   |          | 11/13/2022 08:15 AM | Related to #5766 |
| 5812 | OsmocomBB                             | Feature | New    | Low      | mobile: missing AMR support  |          | 12/06/2022 03:07 PM | Related to #5812 |
| 5813 | OsmoHNBGW                             | Feature | New    | Low      | Alcatel-Lucent femtocells available in Europe  |          | 03/09/2024 07:09 PM |                  |

| #    | Project                               | Tracker | Status | Priority | Subject   | Assignee  | Updated             | Related issues                    |
|------|---------------------------------------|---------|--------|----------|---|-----------|---------------------|-----------------------------------|
| 5815 | OsmocomBB                             | Feature | New    | Low      | mobile: compose Bearer Capability IE depending on PHY capabilities and GAPK codec support |           | 12/06/2022 07:38 PM | Related to #5815,Related to #5815 |
| 5816 | OsmoHNBGW                             | Feature | New    | Low      | Picocells available in R.U  |           | 03/09/2024 07:09 PM |                                   |
| 5819 | Cellular Network Infrastructure       | Bug     | New    | Low      | Gerrit/gitiles: Parent links don't work   |           | 12/08/2022 01:28 PM |                                   |
| 5829 | libosmocore                           | Feature | New    | Low      | log fallback for log_check_level(), log_parse_category()                                  |           | 12/13/2022 10:44 PM |                                   |
| 5833 | OsmoPCU                               | Feature | New    | Low      | A "meas-feed" for osmo-pcu  | keith     | 12/18/2022 06:42 PM |                                   |
| 5865 | OsmoHLR                               | Feature | New    | Low      | Automate selection of LU Reject Cause   |           | 02/16/2023 10:36 AM |                                   |
| 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                  |
| 5887 | Cellular Network Infrastructure       | Bug     | New    | Low      | coverity: build everything in docker container and add CI                                 | osmith    | 02/01/2023 10:25 AM |                                   |
| 5895 | OsmoBTS                               | Bug     | New    | Low      | LC15: Audio Quality Problem sometime after cf7a7fceb625a14fd764355c3b96fa86c77458c        |           | 03/20/2023 11:37 PM |                                   |
| 5899 | libosmo-sccp + libosmo-sigtran        | Bug     | New    | Low      | ttcn3-sccp-test-latest is actually running code from master, not latest                   | osmith    | 03/20/2023 01:18 PM |                                   |
| 5908 | Cellular Network Infrastructure       | Feature | New    | Low      | Cleanup license information throughout the projects                                       |           | 02/16/2023 11:02 AM |                                   |
| 5915 | libosmocore                           | Bug     | New    | Low      | gprs: ns2: convert timers into osmo-timers  | jolly     | 12/17/2023 12:59 PM | Related to #5915                  |
| 5919 | Core testing infrastructure           | Bug     | New    | Low      | osmo-python-tests: Update/fix README or setup process                                     | osmith    | 03/20/2023 10:17 AM |                                   |
| 5930 | OsmoPCU                               | Feature | New    | Low      | handle multiple BTSs with one PCU   |           | 03/03/2023 10:47 AM |                                   |
| 5932 | Retrocomputing                        | Feature | New    | Low      | assemble ISA-USB  | laforge   | 03/02/2023 09:25 PM |                                   |
| 5936 | Retrocomputing                        | Feature | New    | Low      | Assemble netpi-ide  | laforge   | 03/02/2023 09:25 PM |                                   |
| 5940 | Retrocomputing                        | Feature | New    | Low      | Assemble LPT_Capture  | laforge   | 03/15/2023 09:06 AM |                                   |
| 5947 | Retrocomputing                        | Feature | New    | Low      | Assemble PC104-SVGA   | laforge   | 03/15/2023 09:29 AM |                                   |
| 5957 | OsmoBTS                               | Bug     | New    | Low      | not all osmo-bts variants respond to abisip-find  | jolly     | 03/22/2023 09:20 AM |                                   |
| 5976 | pySim                                 | Feature | New    | Low      | pySim-prog: do not program linked files multiple times                                    | dexter    | 03/27/2023 04:05 PM |                                   |
| 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 |                                   |
| 6021 | libosmocore                           | Bug     | New    | Low      | map file breaks recent lld builds   | Hoernchen | 05/04/2023 05:49 AM |                                   |
| 6051 | OsmoHNBGW                             | Feature | New    | Low      | misnomer in internal SCCP functions   | neels     | 07/06/2023 08:26 PM |                                   |
| 6060 | OsmoMGW                               | Bug     | New    | Low      | osmo-mgw: Implement MGCP RestartInProgress (RSIP)   | jolly     | 10/18/2023 04:59 PM |                                   |
| 6085 | OsmoHNBGW                             | Feature | New    | Low      | context_map_sccp.c parrots states/events that the SCCP-SCOC FSM already handles           | neels     | 10/18/2023 03:31 PM |                                   |
| 6086 | pySim                                 | Feature | New    | Low      | implement features of sysmo-{usim,ism}-tool   | laforge   | 07/13/2023 04:09 AM |                                   |

| #    | Project  | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|--|---------|--------|----------|--|----------|---------------------|-----------------------------------|
| 6092 | pySim  | Feature | New    | Low      | "export" suport for ARA-M  | dexter   | 10/31/2023 06:40 PM |                                   |
| 6104 | pySim  | Feature | New    | Low      | reduce number of python dependencies   |          | 07/20/2023 04:28 PM |                                   |
| 6120 | pySim  | Bug     | New    | Low      | select MF raise an exception after selecting ADF.ARA-M                       | dexter   | 12/18/2023 10:30 AM | Related to #6120                  |
| 6122 | Cellular Network Infrastructure                | Bug     | New    | Low      | remove big endian support  | osmith   | 10/18/2023 05:20 PM | Related to #6122                  |
| 6167 | OsmoBTS  | Feature | New    | Low      | csd_v110: implement rate adaptation for TCH/F14.4                            |          | 09/01/2023 11:58 AM | Related to #6167,Related to #6346 |
| 6176 | OsmoSGSN                                       | Bug     | New    | Low      | build failure (dependency / concurrency issue)                               |          | 09/13/2023 03:14 PM |                                   |
| 6193 | Retronetworking                                | Support | New    | Low      | Replace "event rack" PM3 power supply  | laforge  | 09/27/2023 12:19 PM |                                   |
| 6194 | Retronetworking                                | Feature | New    | Low      | wiki page on MultiTech MT5600-BL   | laforge  | 09/27/2023 12:46 PM |                                   |
| 6195 | Retronetworking                                | Feature | New    | Low      | Wiki page on Cisco *WIC-* line cards for 26xx/28xx series                    | laforge  | 10/08/2023 07:33 AM |                                   |
| 6237 | Retronetworking                                | Feature | New    | Low      | Design + Build PCBA for NE555 based fake fan rpm sensor                      | laforge  | 10/30/2023 01:38 AM |                                   |
| 6241 | libosmo-sccp + libosmo-sigtran                 | Feature | New    | Low      | M3UA "Network Appearance" support  |          | 10/31/2023 03:00 PM | Related to #6241                  |
| 6243 | Cellular Network Infrastructure                | Feature | New    | Low      | vty cfg: make changing startup defaults of applications backwards compatible |          | 11/01/2023 07:06 PM |                                   |
| 6244 | Retronetworking                                | Feature | New    | Low      | scan more/all EWS(O) documentation laforge has                               | laforge  | 11/01/2023 09:50 PM |                                   |
| 6245 | OCTOI - Osmocom Community TDM over IP          | Feature | New    | Low      | co-locate cisco 2811 ITP/STP in data center                                  | laforge  | 11/06/2023 01:46 PM |                                   |
| 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 |                                   |
| 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 |                                   |
| 6285 | OsmoHNBGW                                      | Feature | New    | Low      | IUFP needs not CRCX in loopback mode   |          | 12/04/2023 03:58 AM |                                   |
| 6303 | OsmoPCU  | Feature | New    | Low      | Convert pcuif to TLV to make backwards compatibility more feasible           |          | 02/15/2024 09:23 PM |                                   |
| 6314 | pySim  | Bug     | New    | Low      | pySim-trace doesn't support ARA-M  |          | 12/23/2023 09:36 AM |                                   |
| 6315 | pySim  | Feature | New    | Low      | have test data for all supported files                                       |          | 12/23/2023 09:36 AM |                                   |
| 6321 | OsmoMSC  | Bug     | New    | Low      | SMS not delivered from corrupted SMS database                                |          | 01/02/2024 01:07 PM |                                   |
| 6322 | pySim  | Bug     | New    | Low      | ATR type annotation  |          | 01/03/2024 09:55 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 |                                   |
| 6340 | pySim  | Bug     | New    | Low      | exception when using osmo-smdpp with python 3.9                              | laforge  | 02/15/2024 09:29 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 |                                   |



| #    | Project  | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues  |
|------|--|---------|-------------|----------|--|----------|---------------------|---|
| 6354 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New         | Low      | investigate UE behavior in terms of respecting ePDG configuration on USIM/ISIM                   |          | 02/07/2024 04:10 PM |   |
| 6378 | OsmoBSC  | Bug     | New         | Low      | Ericsson DUG 20 rejects SI2quarter   | keith    | 03/10/2024 06:38 PM | Related to #6378  |
| 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  |
| 6395 | OsmoHNBGW                                      | Feature | New         | Low      | PFCP URR support in osmo-hnbgw   |          | 03/22/2024 08:08 AM | Related to #6395  |
| 6401 | libosmocore                                    | Feature | New         | Low      | benchmark batching io_uring operations   |          | 03/14/2024 08:10 AM |   |
| 6402 | libosmocore                                    | Feature | New         | Low      | consider using IORING_RECVSEND_POLL_FIRST for our socket-reads                                   |          | 03/14/2024 08:21 AM |   |
| 6415 | E1/T1 Hardware Interface (including icE1usb)   | Bug     | New         | Low      | osmo_panic after truncated packet  | laforge  | 03/22/2024 06:54 PM |   |
| 6419 | OsmoGGSN (former OpenGGSN)                     | Bug     | New         | Low      | osmo-ggsn removes tun devices it did not create  |          | 03/26/2024 11:26 AM |   |
| 6420 | OsmoGGSN (former OpenGGSN)                     | Bug     | New         | Low      | osmo-ggsn + pre-configured tun device seems to be broken with kernel gtp-u                       |          | 03/26/2024 11:43 AM |   |
| 1605 | OsmoBSC  | Feature | In Progress | Low      | logging / ring buffer for ALERT messages from A-bis OML from the BTS side                        | osmith   | 03/27/2020 09:40 AM | Related to #1605  |
| 1706 | SIMtrace 2                                     | Feature | In Progress | Low      | Hardware / Circuit board update for SAM3S based SIMtrace2 with 1.8V/5V support                   | mschramm | 10/28/2023 11:25 AM | Related to #1706,Related to #5464,Related to #4118,Related to #5826 |
| 3693 | libosmocore                                    | Bug     | In Progress | Low      | gsm_04_08.h: numerous packed structs with sub-byte ints lack the order-swap shims for big endian |          | 11/19/2018 02:05 PM |   |
| 4474 | OsmoBTS  | Bug     | In Progress | Low      | l1fwd (-remote) tried to read eeprom locally   |          | 11/04/2021 06:35 PM |   |
| 4535 | OsmoMGW  | Feature | In Progress | Low      | Develop "E1/Abis generator"  | laforge  | 01/02/2022 01:57 PM | Precedes #2547  |
| 5463 | Retronetworking                                | Feature | In Progress | Low      | X.21 hardware interface  | vogelchr | 03/04/2023 02:37 PM |   |
| 5488 | Retronetworking                                | Feature | In Progress | Low      | create DAHDI mirror sniffer  | laforge  | 11/07/2022 06:04 PM |   |
| 5745 | osmo-lab-rack                                  | Feature | In Progress | Low      | component carrier Ethernet switch  | laforge  | 02/03/2023 11:29 AM |   |
| 5933 | Retrocomputing                                 | Feature | In Progress | Low      | Assemble XT-CF-Lite v4.1   | laforge  | 03/20/2023 09:54 AM |   |
| 5934 | Retrocomputing                                 | Feature | In Progress | Low      | Assemble Pico-GUS  | laforge  | 03/06/2023 04:25 PM |   |
| 5939 | Retrocomputing                                 | Bug     | In Progress | Low      | Assemble GraphicGremlin / isavideo   | laforge  | 03/15/2023 09:06 AM |   |
| 5944 | OsmoBTS  | Bug     | In Progress | Low      | DTXu + AMR on TCH/H appears to be not usable on osmo-bts-sysmo                                   | keith    | 03/28/2023 03:56 PM |   |
| 6211 | pySim  | Feature | In Progress | Low      | decode security attributes _compact_ in human-readable way, like we decode EF.ARR                | dexter   | 12/15/2023 07:22 AM | Related to #6211  |
| 6249 | libosmocore                                    | Bug     | In Progress | Low      | logging: ANSI color sequences should be reset after log message                                  | manawyrm | 12/04/2023 07:00 AM | Related to #6284  |

| #    | Project                         | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                                     |
|------|---------------------------------|---------|-------------|----------|--|----------|---------------------|--|
| 6263 | libosmocore                     | Bug     | In Progress | Low      | impossible to detect wrong callbacks being registered / osmo_io_ops union  | daniel   | 11/21/2023 09:21 AM |  |
| 1533 | OsmoPCU                         | Feature | Feedback    | Low      | Separate the window handling from the TBF more clearly   | zecke    | 07/21/2017 02:46 PM | Related to #1533                                   |
| 1640 | OsmoPCU                         | Bug     | Feedback    | Low      | Missing release field/length in MS RA capability container   |          | 10/20/2020 09:19 AM |  |
| 1898 | OsmoBTS                         | Bug     | Feedback    | Low      | Wrong handover detection with l1sap on wrong ss=0/ts=0   |          | 11/07/2017 09:54 PM |  |
| 2404 | OsmoPCU                         | Bug     | Feedback    | Low      | PAGING-PS doesn't use QoS parameters from BSSGP  | osmith   | 09/10/2019 11:54 AM |  |
| 3164 | OsmoMSC                         | Bug     | Feedback    | Low      | invalid LAI in level 3 complete: unify BSSMAP and RANAP verification   | neels    | 07/29/2019 01:34 PM | Related to #3162,Related to #3163,Related to #3164 |
| 3352 | OsmoMGW                         | Feature | Feedback    | Low      | osmo-mgw does not allow multiple codecs in LCO   | neels    | 01/08/2020 10:25 PM |  |
| 3871 | libosmo-sccp + libosmo-sigtran  | Bug     | Feedback    | Low      | osmo_scu_prim conn_id should be scoped per-user and direction, and should not correlate with the local-reference spoken on the SCCP wire | laforge  | 04/02/2023 09:01 AM | Related to #3871,Related to #5579,Blocks #3872     |
| 3982 | Cellular Network Infrastructure | Feature | Feedback    | Low      | osmo-depcheck.py: set dependency hashes on command line  | osmith   | 05/15/2023 09:51 AM |  |
| 4798 | OsmocomBB                       | Bug     | Feedback    | Low      | fake_trx send TRXC responses from wrong source address   | fixeria  | 04/30/2021 03:37 AM |  |
| 5241 | OsmoGGSN (former OpenGGSN)      | Bug     | Feedback    | Low      | GTP: Malformed Packet pdp ctx response.  | lynxis   | 03/23/2022 05:31 PM |  |
| 5368 | libosmo-netif                   | Bug     | Feedback    | Low      | consider using SCTP_EVENT instead of SCTP_EVENTS   |          | 12/23/2021 09:09 AM | Related to #5368,Related to #5368                  |
| 5982 | OsmoBSC                         | Bug     | Feedback    | Low      | conn->fi is NULL in gscon_bssmap_clear()   | neels    | 04/11/2023 02:25 PM |  |
| 6197 | OsmoSGSN                        | Bug     | Feedback    | Low      | "Cannot handle SM for unknown MM CTX"  | fixeria  | 03/10/2024 06:23 PM |  |
| 6207 | OsmoMSC                         | Bug     | Feedback    | Low      | "MO SMS without prior CM Service Request" for every SMS in 4G  | dexter   | 02/13/2024 12:26 AM | Related to #6358                                   |
| 6381 | Core testing infrastructure     | Bug     | Feedback    | Low      | libosmocore changes take too long until they propagate through OBS master  | laforge  | 03/01/2024 10:10 AM |  |
| 1597 | OsmoMSC                         | Feature | Stalled     | Low      | External interface for USSD  | fixeria  | 11/27/2018 11:08 PM | Related to #1597,Related to #3433                  |
| 1627 | OsmocomBB                       | Support | Stalled     | Low      | DCS_8BIT and DCS_UCS2 encoding supprot   |          | 07/16/2018 06:53 PM |  |
| 1671 | OsmoNITB                        | Bug     | Stalled     | Low      | Combined 850/1800 NITB not seen by Option Icon2 stick  |          | 03/05/2018 07:35 PM |  |

| #    | Project                         | Tracker | Status  | Priority | Subject  | Assignee  | Updated             | Related issues  |
|------|---------------------------------|---------|---------|----------|--|-----------|---------------------|---|
| 1683 | osmo-sip-connector              | Bug     | Stalled | Low      | osmo-sip-connector: Implement codec selection / move codec selection to osmo-msc                               | neels     | 09/23/2020 02:02 PM | Related to #1683,Related to #1683,Related to #1683,Related to #1683,Related to #3650,Related to #5177 |
| 1725 | OsmoNITB                        | Bug     | Stalled | Low      | iPhone6 network selection issue with GSM1900   |           | 03/05/2018 07:35 PM |   |
| 1768 | OsmoSGSN                        | Bug     | Stalled | Low      | VTY show llc displays State TLLI Unassigned permanently  |           | 01/08/2020 10:52 PM |   |
| 1823 | OsmoPCU                         | Feature | Stalled | Low      | Ericsson PCU TRAU frame encoding/decoding  |           | 09/04/2019 09:26 AM | Related to #5198  |
| 1831 | OsmoPCU                         | Bug     | Stalled | Low      | No handling for padding octets(LI 127) for EGPRS. row 3rd of Table 10.4.14a.1 TS 44.060 version 7.27.0 Release | pespin    | 10/20/2020 08:39 AM |   |
| 1912 | SIMtrace 2                      | Feature | Stalled | Low      | do proper re-layout of the board   | mschramm  | 10/20/2020 08:39 AM | Related to #4118  |
| 2542 | OsmoHLR                         | Feature | Stalled | Low      | have subscriber create-on-demand   | osmith    | 03/10/2022 03:40 PM | Related to #2541,Related to #5183   |
| 2545 | OsmoBSCNAT                      | Feature | Stalled | Low      | OsmoBSCNAT misses 3GPP AoIP  | osmith    | 10/12/2022 01:15 PM | Related to #5152,Related to #5359,Related to #5574  |
| 2893 | OsmoBSC                         | Feature | Stalled | Low      | automatic simulator for large LU load  |           | 09/04/2019 09:23 AM | Related to #2722,Related to #2591,Blocks #2893,Blocks #2893   |
| 2979 | OsmoBTS                         | Bug     | Stalled | Low      | osmo-bts-virtual reports bogus measurement values  | laforge   | 07/18/2019 06:06 AM |   |
| 3222 | OsmoTRX                         | Bug     | Stalled | Low      | include (tested) example config files for usrp1, uhd/b200 as well as umtrx                                     | tnt       | 10/20/2018 07:27 PM |   |
| 3699 | Cellular Network Infrastructure | Feature | Stalled | Low      | merge Debian patches   | Hoernchen | 01/08/2020 10:24 PM | Related to #3699,Related to #3753   |
| 4073 | Cellular Network Infrastructure | Feature | Stalled | Low      | try to get counter and vty reference information at compile time   | Hoernchen | 02/06/2021 02:17 PM | Related to #4073,Related to #4848   |
| 4131 | Cellular Network Infrastructure | Bug     | Stalled | Low      | osmo-gsm-manuals: Use leveloffset attribute on common documents  | osmith    | 12/01/2019 09:48 AM | Related to #4140  |
| 4305 | Distributed GSM                 | Feature | Stalled | Low      | GSUP proxy: cache auth tuples to re-use / fall back to simpler auth methods                                    |           | 04/28/2020 02:37 PM | Precedes #4306  |
| 4306 | Distributed GSM                 | Feature | Stalled | Low      | GSUP proxy cache: store data persistently  |           | 05/20/2020 09:18 PM | Precedes #4306  |
| 4409 | osmo-remsim                     | Bug     | Stalled | Low      | osmo-remsim-client-st2 (or firmware?) gets stuck on PTS  | Hoernchen | 02/06/2021 08:55 AM |   |
| 4592 | OsmoBTS                         | Bug     | Stalled | Low      | osmo-bts-trx: make sure that handover detection works  | fixeria   | 06/21/2020 03:10 PM | Related to #4592  |

| #    | Project                               | Tracker | Status  | Priority | Subject   | Assignee | Updated             | Related issues                                     |
|------|---------------------------------------|---------|---------|----------|---|----------|---------------------|--|
| 4614 | OsmoBSC                               | Bug     | Stalled | Low      | "bogus channel load sample" when using BS-11, Nokia or Ericsson BTS           | laforge  | 02/13/2021 05:34 PM |  |
| 4822 | osmo-ccid-firmware                    | Bug     | Stalled | Low      | sysmoOCTSIM with osmo-ccid-firmware sometimes fails to enumerate on USB       |          | 11/05/2021 05:19 PM |  |
| 4832 | OsmoBSC                               | Bug     | Stalled | Low      | osmo-bsc hard-releases lchan if no MSC is found                               | neels    | 10/18/2022 09:41 PM | Related to #4832,Related to #4832,Related to #5337 |
| 4841 | OsmoMGW                               | Feature | Stalled | Low      | TC_e1_crcx_and_dlcrx_ep does not pass - move the IPA code out of libosmo-abis | dexter   | 10/11/2021 10:10 AM | Related to #4841,Related to #4841                  |
| 5034 | libosmocore                           | Feature | Stalled | Low      | logging: Enable category name instead of hex val by default                   | pespin   | 06/12/2021 05:40 PM | Related to #6272                                   |
| 5417 | OCTOI - Osmocom Community TDM over IP | Feature | Stalled | Low      | S/T (S0) ISDN BRI adapter with VCXO / GPS-DO                                  | laforge  | 05/16/2023 08:06 AM | Related to #5436                                   |
| 5568 | OsmoMSC                               | Bug     | Stalled | Low      | SMPP socket doesn't use TCP_NODELAY   | osmith   | 10/31/2023 09:36 AM |  |
| 5578 | SIMtrace 2                            | Bug     | Stalled | Low      | osmo-remsim-client-st2 hangs after usb-reset without power loss on qmod       | laforge  | 01/31/2023 08:25 PM | Related to #5921                                   |
| 5892 | SDR (Software Defined Radio)          | Feature | Stalled | Low      | design/build ext clock input board for PlutoSDR Rev.B                         | laforge  | 10/18/2023 05:23 PM |  |
| 6352 | Cellular Network Infrastructure       | Bug     | Stalled | Low      | ttn3-bts-test[-latest] is broken since Feb 1st / docker and multicast         | osmith   | 03/06/2024 03:57 PM |  |
| 6394 | OsmoUPF                               | Feature | Stalled | Low      | Basic URR (Usage Reporting Rule) support for tunnel mapping                   |          | 03/22/2024 08:08 AM | Related to #6395                                   |
| 34   | OsmoBSC                               | Bug     | New     | Normal   | ipaccess init code needs proper state machines                                |          | 12/10/2017 08:16 PM | Related to #34                                     |
| 37   | OsmoNITB                              | Bug     | New     | Normal   | RTP Proxy dealing with SSRC change and sequence numbers                       |          | 03/05/2018 07:34 PM |  |
| 38   | OsmoNITB                              | Bug     | New     | Normal   | subscr_update should sync database before dispatching the signal              |          | 03/05/2018 07:34 PM |  |
| 41   | OsmoMSC                               | Bug     | New     | Normal   | Numbering Plan in OsmoMSC   |          | 06/23/2018 07:37 PM |  |
| 44   | OsmoSGSN                              | Bug     | New     | Normal   | TLLI clash possible   | pespin   | 02/06/2021 01:31 PM |  |
| 48   | OsmoNITB                              | Bug     | New     | Normal   | Periodic timer and paging   |          | 03/05/2018 07:34 PM |  |
| 54   | OsmoNITB                              | Bug     | New     | Normal   | osmo-nitb keeps rtp-proxy socket open in case no DLCX_IND is sent             |          | 03/05/2018 07:34 PM |  |
| 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 |  |
| 1460 | SIMtrace 2                            | Feature | New     | Normal   | include some version information / negotiation in the USB protocol            | laforge  | 12/06/2019 01:39 PM | Related to #1461,Related to #4041                  |
| 1479 | Mobile (in)Security                   | Bug     | New     | Normal   | MTK stack unable to send MO-SMS on TCH/F                                      |          | 04/03/2019 09:01 AM |  |
| 1482 | Mobile (in)Security                   | Bug     | New     | Normal   | Sending the TMSI of the old/previous network                                  |          | 02/21/2016 04:35 PM |  |
| 1504 | UmTRX                                 | Feature | New     | Normal   | LMS6002 phase error increases when Rx is enabled and varies with temperature  | ttsou    | 02/19/2016 10:52 PM |  |
| 1506 | UmTRX                                 | Feature | New     | Normal   | Move to the latest stable UHD   | ipse     | 02/21/2016 04:47 PM |  |
| 1509 | UmTRX                                 | Feature | New     | Normal   | Store calibration values in EEPROM  | ipse     | 02/21/2016 04:47 PM |  |

| #    | Project  | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues  |
|------|----------|---------|--------|----------|--|----------|---------------------|---|
| 1511 | UmTRX    | Feature | New    | Normal   | Solve Tx and Rx I/Q imbalance for wideband signals           |          | 02/19/2016 10:52 PM |   |
| 1515 | UmTRX    | Feature | New    | Normal   | Heat dissipation and mounting issue                          |          | 02/19/2016 10:52 PM |   |
| 1516 | UmTRX    | Feature | New    | Normal   | There are no port to control external equipment like PA      |          | 02/19/2016 10:52 PM |   |
| 1517 | UmTRX    | Feature | New    | Normal   | U_FL (UMC) connectors are not reliable after few connections |          | 02/19/2016 10:52 PM |   |
| 1518 | UmTRX    | Feature | New    | Normal   | Upper limit of the clock is too low                          |          | 02/19/2016 10:52 PM |   |
| 1543 | OsmoPCU  | Feature | New    | Normal   | link/rate adaption as per spec                               |          | 01/08/2020 10:43 PM | Related to #1543,Related to #1543                                   |
| 1547 | OsmoPCU  | Feature | New    | Normal   | downlink power control on PDTCH                              |          | 02/23/2016 03:04 PM |   |
| 1549 | OsmoPCU  | Feature | New    | Normal   | DRX support for GPRS   |          | 02/04/2017 08:11 AM | Related to #1942  |
| 1550 | OsmoPCU  | Bug     | New    | Normal   | Cell reselection under network control                       |          | 02/23/2016 03:06 PM |   |
| 1554 | OsmoPCU  | Feature | New    | Normal   | per-MS BSSGP flow control                                    |          | 02/23/2016 03:12 PM | Related to #1554  |
| 1577 | OsmoBTS  | Bug     | New    | Normal   | mph_send_config_logchpar doesn't update encryption config    |          | 02/23/2016 03:39 PM |   |
| 1583 | OsmoSGSN | Feature | New    | Normal   | Gs interface (BSSMAP+) between SGSN and MSC/VLR              |          | 06/13/2020 05:52 PM | Related to #1583,Related to #1583,Related to #4485                  |
| 1586 | OsmoSGSN | Feature | New    | Normal   | Implement QoS profile support                                |          | 02/23/2016 03:45 PM |   |
| 1588 | OsmoSGSN | Feature | New    | Normal   | Inter-RAT hand-over  |          | 02/23/2016 03:46 PM |   |
| 1599 | OsmoMSC  | Feature | New    | Normal   | Gs interface (BSSMAP+) between SGSN and MSC/VLR              |          | 06/13/2020 05:52 PM | Related to #1583,Related to #1747,Related to #1599,Related to #4485 |
| 1623 | OsmoSMSC | Feature | New    | Normal   | Configure delivery report for the SMPP delivery links        | zecke    | 02/24/2016 01:49 PM |   |
| 1624 | OsmoPCU  | Bug     | New    | Normal   | add CRBB support to write_packet_ack_nack_desc_egprs         |          | 10/20/2020 08:37 AM |   |
| 1667 | OsmoNITB | Feature | New    | Normal   | Handle callref better  |          | 09/04/2019 09:31 AM | Related to #3294  |

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