

## Issues

| #    | Project                         | Tracker | Status  | Priority | Subject   | Assignee  | Updated             | Related issues  |
|------|---------------------------------|---------|---------|----------|---|-----------|---------------------|---|
| 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   |
| 4006 | Cellular Network Infrastructure | Feature | Stalled | Normal   | TRX protocol: wind of change  | fixeria   | 10/27/2021 10:22 PM | Related to #4006,Related to #4006,Related to #4081,Related to #4658,Related to #4941,Related to #5283 |
| 3699 | Cellular Network Infrastructure | Feature | Stalled | Low      | merge Debian patches  | Hoernchen | 01/08/2020 10:24 PM | Related to #3699,Related to #3753   |
| 2604 | Cellular Network Infrastructure | Feature | Stalled | High     | GSUP-to-DIAMETER converter / IWF  | laforge   | 02/29/2020 11:27 AM | Related to #5646  |
| 2558 | Cellular Network Infrastructure | Feature | Stalled | Normal   | Scripts to manage thousands of "mobile" and hundreds of osmo-bts-virtual instances                  |           | 06/08/2020 07:07 PM | Related to #2557,Related to #2556,Related to #2555,Related to #2558,Blocks #2893                      |
| 6411 | Cellular Network Infrastructure | Bug     | Stalled | Normal   | ttn3: execute testsuites with a more realistic link performance                                     |           | 04/03/2024 06:25 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 |   |
| 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  |
| 6023 | Core testing infrastructure     | Feature | Stalled | Normal   | test rack/lab power management software with usage/reference counting                               | laforge   | 10/18/2023 05:42 PM |   |
| 5760 | Core testing infrastructure     | Feature | Stalled | Normal   | Develop TTCN-3 test suite for MME   | dexter    | 10/04/2023 01:51 PM |   |
| 4692 | Core testing infrastructure     | Feature | Stalled | Normal   | finally implement testing of the actual voice audio path  | laforge   | 04/19/2021 06:27 PM |   |
| 5665 | Core testing infrastructure     | Bug     | Stalled | Normal   | ERROR: files left in build directory after distclean: ./tests/core                                  | fixeria   | 11/14/2023 12:39 PM | Related to #5665,Related to #5858   |
| 5301 | Core testing infrastructure     | Bug     | Stalled | Normal   | Run TTCN3 docker tests with sanitizer enabled   | osmith    | 03/20/2024 09:28 AM | Related to #5302  |
| 4576 | Core testing infrastructure     | Bug     | Stalled | High     | ttn3-hlr-tests need to route multicast traffic between ttn3-hlr-test and osmo-hlr-master containers | neels     | 10/28/2020 09:48 PM |   |

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|------|---------------------------------------|---------|---------|----------|--|----------|---------------------|------------------------------------|
| 4306 | Distributed GSM                       | Feature | Stalled | Low      | GSUP proxy cache: store data persistently                                    |          | 05/20/2020 09:18 PM | Precedes #4306                     |
| 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                     |
| 4534 | Ericsson RBS 6xxx                     | Support | Stalled | Normal   | Take pictures of RBS6k gear for documentation                                | roh      | 05/20/2020 03:19 PM |                                    |
| 2514 | GSM Audio Pocket Knife                | Bug     | Stalled | Normal   | GSM HR encoding result does not match the reference                          | fixeria  | 04/03/2019 08:37 AM |                                    |
| 4476 | IMSI Pseudonymization                 | Feature | Stalled | Normal   | OsmoHLR: support IMSI pseudo in location update                              | neels    | 05/27/2020 01:11 PM | Blocks #4477                       |
| 4404 | IMSI Pseudonymization                 | Feature | Stalled | Normal   | Research: Make sure that we can silently detach the IMSI                     |          | 04/15/2020 10:06 AM | Related to #4404, Related to #4480 |
| 5691 | libosmo-abis                          | Feature | Stalled | Normal   | Expose DAHDI statistics to prometheus  | laforge  | 01/05/2023 06:06 PM |                                    |
| 3812 | libosmo-netif                         | Bug     | Stalled | Normal   | stream_test fails depending on where it is run                               |          | 03/13/2019 04:15 PM |                                    |
| 3420 | libosmo-ranap                         | Bug     | Stalled | Normal   | ranap_transp_assoc_decode() decodes X.213 NSAP address headers as IP address | osmith   | 07/17/2021 10:14 AM |                                    |
| 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                   |
| 4731 | libosmocore                           | Bug     | Stalled | Normal   | LAPDm does not implement SAPI priorities between data link layers            | fixeria  | 08/28/2020 11:21 AM | Related to #4731, Related to #4731 |
| 3566 | Misc Hardware Projects                | Feature | Stalled | Normal   | power supply / battery / charge for our GSM-R OPS 940                        | laforge  | 04/02/2023 09:05 AM |                                    |
| 5434 | OCTOI - Osmocom Community TDM over IP | Feature | Stalled | Normal   | more statistics / counters   |          | 12/03/2023 11:17 AM |                                    |
| 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                   |
| 5694 | OCTOI - Osmocom Community TDM over IP | Bug     | Stalled | Normal   | BERT testing   | laforge  | 12/31/2022 08:24 PM |                                    |
| 5693 | OCTOI - Osmocom Community TDM over IP | Bug     | Stalled | Normal   | no progress tones in yate  |          | 12/03/2023 11:10 AM |                                    |
| 4822 | osmo-ccid-firmware                    | Bug     | Stalled | Low      | sysmoOCTSIM with osmo-ccid-firmware sometimes fails to enumerate on USB      |          | 11/05/2021 05:19 PM |                                    |
| 4857 | osmo-clock-gen                        | Bug     | Stalled | Normal   | FLV9001IDBVR no longer in stock ag digikey                                   | mschramm | 04/10/2021 10:22 PM |                                    |
| 4916 | osmo-e1d                              | Bug     | Stalled | High     | USB unplug / replugin renders e1d unusable                                   | laforge  | 12/04/2023 12:34 PM | Related to #5983                   |
| 4522 | osmo-gbproxy                          | Feature | Stalled | High     | gbproxy: Redundancy within proxy pair  | daniel   | 07/09/2021 06:43 PM |                                    |

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| 4891 | osmo-gbproxy       | Bug     | Stalled | Normal   | gbproxy2: Implement processing of BVC-Flow-Control via BVC FSM                                       | daniel    | 10/25/2021 05:51 AM | Related to #4891  |
| 5527 | osmo-remsim        | Bug     | Stalled | High     | warn on duplicate client (id) connections  | laforge   | 07/13/2022 01:25 PM | Related to #5527  |
| 4409 | osmo-remsim        | Bug     | Stalled | Low      | osmo-remsim-client-st2 (or firmware?) gets stuck on PTS  | Hoernchen | 02/06/2021 08:55 AM |   |
| 1683 | osmo-sip-connector | Bug     | Stalled | Low      | osmo-sip-connector: Implement codec selection / move codec selection to osmo-msc                     | neels     | 09/23/2020 02:02 PM | Related to #1683,Related to #1683,Related to #1683,Related to #3650,Related to #5177                  |
| 2622 | OsmoBSC            | Support | Stalled | High     | Prepare automatic interop testing of OsmoBSC against NG40 core simulator + osmo-bts-virtual + mobile |           | 09/04/2019 09:18 AM | Related to #2478,Related to #2558,Related to #2555  |
| 4940 | OsmoBSC            | Feature | Stalled | High     | VAMOS support in OsmoBSC   | neels     | 08/11/2021 02:47 PM | Related to #4941  |
| 4716 | OsmoBSC            | Feature | Stalled | Normal   | support handover between different codec types, like TCH/F FR1 <--> TCH/H HR1                        | neels     | 10/28/2020 08:22 PM | Related to #4717  |
| 3659 | OsmoBSC            | Feature | Stalled | High     | handover during LCLS directly between BTSs   | dexter    | 05/22/2023 09:23 AM | Related to #3659,Related to #3659,Related to #3659,Related to #3659,Related to #3659,Related to #3783 |
| 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   |
| 5308 | OsmoBSC            | Bug     | Stalled | Normal   | confusion around mgw e1 line vs trunk dichotomy  | dexter    | 12/13/2021 03:52 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  |
| 4614 | OsmoBSC            | Bug     | Stalled | Low      | "bogus channel load sample" when using BS-11, Nokia or Ericsson BTS                                  | laforge   | 02/13/2021 05:34 PM |   |
| 4070 | OsmoBSC            | Bug     | Stalled | Normal   | Implement IPA PING/PONG mechanism on RSL and OML   | osmith    | 09/30/2020 08:13 PM | Related to #5785  |
| 3806 | OsmoBSC            | Bug     | Stalled | Normal   | OsmoBSC accepts BSSAP with wrong length field  |           | 08/28/2020 08:15 PM | Related to #3806  |

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| 1614 | OsmoBSC    | Bug     | Stalled | Normal   | better identification of BTS model / capabilities to BSC                               |          | 05/12/2020 12:11 PM | Related to #1614,Related to #2316,Related to #2317,Related to #3799,Related to #3938                                   |
| 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   |
| 3863 | OsmoBTS    | Support | Stalled | Normal   | setup testing of osmo-bts-oc2g on real hardware with ttcn3 and osmocon/osmocombb       |          | 12/01/2019 10:52 AM |  |
| 4941 | OsmoBTS    | Feature | Stalled | Normal   | VAMOS support in OsmoBTS   | fixeria  | 03/18/2022 01:19 AM | Related to #4941,Related to #4941,Blocks #4941   |
| 3155 | OsmoBTS    | Feature | Stalled | High     | execute BTS_Tests.ttcn with real (C123) phone hardware in LTHW setup                   | pespin   | 12/04/2020 07:30 PM | Related to #3353,Related to #3155  |
| 2977 | OsmoBTS    | Feature | Stalled | Normal   | OsmoBTS measurment processing at L1SAP too complex / pass measurements along with data | dexter   | 05/18/2020 06:47 PM | Related to #2977,Related to #2977,Related to #3530,Related to #3428,Related to #3395,Related to #2977,Related to #3803 |
| 5242 | OsmoBTS    | Bug     | Stalled | Normal   | A-bis/RSL: CRCX ACK indicates '0.0.0.0' as the local/bind address                      | fixeria  | 05/01/2022 01:15 PM |  |
| 4801 | OsmoBTS    | Bug     | Stalled | Normal   | BTS_Tests.TC_tch_sign_l2_fill_frame_dtxd fails   | fixeria  | 11/15/2023 08:32 AM | Related to #4801,Related to #5474  |
| 4771 | OsmoBTS    | Bug     | Stalled | High     | Don't log NOTICE messages on missing uplink bursts                                     | fixeria  | 11/16/2021 03:05 PM |  |
| 4592 | OsmoBTS    | Bug     | Stalled | Low      | osmo-bts-trx: make sure that handover detection works                                  | fixeria  | 06/21/2020 03:10 PM | Related to #4592   |
| 4500 | OsmoBTS    | Bug     | Stalled | Normal   | osmo-bts-{sysmo,oc2g,litecell15}: PTCCH/U is not enabled on PDCH timeslots             | fixeria  | 06/25/2020 04:48 PM | Related to #4500,Related to #4500,Related to #4501   |
| 4023 | OsmoBTS    | Bug     | Stalled | Normal   | Missing coverage of PCU interface in osmo-bts  |          | 03/21/2023 01:07 PM | Related to #4023   |
| 3569 | OsmoBTS    | Bug     | Stalled | Normal   | Some phones don't receive SMSCB  | laforge  | 01/14/2019 03:32 PM |  |
| 3568 | OsmoBTS    | Bug     | Stalled | High     | CBCH on SDCCH/8 not working for osmo-bts-sysmo   | laforge  | 01/14/2019 03:29 PM |  |
| 2979 | OsmoBTS    | Bug     | Stalled | Low      | osmo-bts-virtual reports bogus measurement values                                      | laforge  | 07/18/2019 06:06 AM |  |
| 1627 | OsmocomBB  | Support | Stalled | Low      | DCS_8BIT and DCS_UCS2 encoding supprot   |          | 07/16/2018 06:53 PM |  |

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| 5502 | OsmocomBB         | Feature | Stalled | Normal   | MS-side LLC implementation  | pespin   | 09/14/2023 03:59 PM | Related to #5502,Related to #5502                                   |
| 5501 | OsmocomBB         | Feature | Stalled | Normal   | MS-side GPRS Mobility Management (GMM) + Session Management (SM)                | pespin   | 09/14/2023 04:03 PM | Related to #5501,Related to #5502,Related to #5504,Related to #5505 |
| 3399 | OsmocomBB         | Feature | Stalled | High     | mobile: refactor / finish external MNCC handler implementation                  | fixeria  | 10/04/2018 09:07 PM |   |
| 2555 | OsmocomBB         | Feature | Stalled | Normal   | script interface to OsmocomBB "mobile"  | zecke    | 06/08/2020 07:07 PM | Related to #2555,Related to #2555,Blocks #2893                      |
| 2409 | OsmocomBB         | Feature | Stalled | High     | Add GPRS support to virt_phy and L1CTL  | fixeria  | 08/19/2022 03:06 PM |   |
| 1461 | OsmocomBB         | Feature | Stalled | High     | include some version information / negotiation in the L1CTL protocol            | fixeria  | 10/27/2021 10:17 PM | Related to #1461,Related to #5815                                   |
| 4829 | OsmocomBB         | Bug     | Stalled | High     | OsmocomBB Rx bit errors in dedicated mode                                       | laforge  | 02/06/2021 09:11 AM | Related to #4832  |
| 4658 | OsmocomBB         | Bug     | Stalled | High     | Wrong burst order in a multi-trx setup  | fixeria  | 09/14/2020 10:18 AM | Related to #4658,Related to #4658                                   |
| 3424 | OsmocomBB SDR PHY | Feature | Stalled | Normal   | Transceiver: implement automatic TX delay measurement                           |          | 07/09/2023 07:46 PM |   |
| 3423 | OsmocomBB SDR PHY | Feature | Stalled | Normal   | Receiver: hard-coded GSM 05.02 channel configuration                            |          | 07/09/2023 07:45 PM |   |
| 3459 | OsmocomBB SDR PHY | Bug     | Stalled | Normal   | apps/grgsm_trx: AssertionError: packet_info.packet_count == (seq_to_ack & 0xff) |          | 07/09/2023 07:48 PM |   |
| 3458 | OsmocomBB SDR PHY | Bug     | Stalled | Normal   | apps/grgsm_trx: [ERROR] [STREAMER] rcv packet demuxer unexpected sid 0xXX       |          | 07/09/2023 07:48 PM | Related to #3692  |
| 3425 | OsmocomBB SDR PHY | Bug     | Stalled | Normal   | Receiver: missing AGC (Automatic Gain Control)                                  |          | 07/09/2023 07:44 PM |   |
| 3422 | OsmocomBB SDR PHY | Bug     | Stalled | Normal   | Receiver: sample / burst buffering problem                                      |          | 07/09/2023 07:39 PM |   |
| 2497 | OsmoGSMTester     | Support | Stalled | Normal   | Set up SIM cards with auth algo other than comp128v1                            | daniel   | 10/15/2019 11:44 AM | Related to #2475  |
| 2197 | OsmoGSMTester     | Feature | Stalled | Normal   | osmo-gsm-tester: use MNCC interface   |          | 11/30/2017 10:41 AM | Related to #2194,Is duplicate of #2197                              |
| 4542 | OsmoGSMTester     | Bug     | Stalled | Normal   | ofono: crash in drivers/qmimodem/gprs.c:extract_ss_info()                       | pespin   | 07/30/2021 10:30 AM |   |

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| 4151 | OsmoGSMTester | Bug     | Stalled | Normal   | osmo-gsm-tester: osmo-trx-lms process sometimes kept forever in zombie-alike state after killing it |          | 09/30/2020 08:08 PM | Related to #4151   |
| 3560 | OsmoGSMTester | Bug     | Stalled | Normal   | nanoBTS multiTRX tests in osmo-gsm-tester Prod setup failing  | pespin   | 09/04/2019 09:16 AM | Related to #3560,Related to #3560,Related to #3628,Is duplicate of #3475   |
| 6135 | OsmoHLR       | Feature | Stalled | Normal   | Implement routing of SMS-over-GSUP messages between connected MSC/VLRs and SMSCs                    | falconia | 01/09/2024 01:11 PM | Related to #6312   |
| 2542 | OsmoHLR       | Feature | Stalled | Low      | have subscriber create-on-demand  | osmith   | 03/10/2022 03:40 PM | Related to #2541,Related to #5183  |
| 3717 | OsmoHLR       | Bug     | Stalled | High     | SS/USSD: fix SS session inactivity timeout  | fixeria  | 12/05/2018 08:45 PM |  |
| 6136 | OsmoMGW       | Feature | Stalled | Normal   | libosmo-mgcp-client should ignore unknown codecs in SDP   | jolly    | 12/07/2023 06:27 AM | Related to #6136,Related to #6177,Blocks #6136   |
| 4841 | OsmoMGW       | Feature | Stalled | Low      | TC_e1_crcx_and_dlcx_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  |
| 4005 | OsmoMGW       | Bug     | Stalled | Normal   | TTCN3 crashes when receiving an RTP MGCP_DUMMY_LOAD from osmo-mgw during CRCX                       | dexter   | 06/14/2021 08:31 AM | Related to #4005   |
| 3620 | OsmoMSC       | Feature | Stalled | Normal   | Implement TTCN-3 testsuite for Inter-MSC HO   | neels    | 09/04/2019 09:08 AM |  |
| 3445 | OsmoMSC       | Feature | Stalled | Normal   | SS/USSD: clean up the local GSM 04.80 API   |          | 12/14/2018 01:57 PM |  |
| 2487 | OsmoMSC       | Feature | Stalled | Normal   | MSC side of LCLS (local call local switching) as per the 3GPP specs                                 | keith    | 10/17/2022 04:31 AM | Related to #1602,Related to #3659,Related to #3691,Related to #3618,Related to #3294,Related to #5712,Blocks #2487 |
| 1597 | OsmoMSC       | Feature | Stalled | Low      | External interface for USSD   | fixeria  | 11/27/2018 11:08 PM | Related to #1597,Related to #3433  |
| 5568 | OsmoMSC       | Bug     | Stalled | Low      | SMPP socket doesn't use TCP_NODELAY   | osmith   | 10/31/2023 09:36 AM |  |
| 5564 | OsmoMSC       | Bug     | Stalled | High     | blocking database I/O by SMS database   | laforge  | 05/16/2022 08:20 PM | Related to #5564,Related to #5566,Related to #5564   |

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| 5563 | OsmoMSC  | Bug     | Stalled | High     | OsmoMSC sometimes stalls for dozens of seconds in a production deployment       | laforge  | 08/04/2022 08:15 AM | Related to #5564,Related to #5563,Related to #5566                                   |
| 5559 | OsmoMSC  | Bug     | Stalled | Urgent   | OsmoMSC at 100% CPU and unresponsive for up to several minutes!                 | laforge  | 08/04/2022 08:14 AM | Related to #5563   |
| 3735 | OsmoMSC  | Bug     | Stalled | Normal   | call arriving during another call has no voice                                  | neels    | 06/18/2019 09:18 PM |  |
| 3294 | OsmoMSC  | Bug     | Stalled | High     | transaction: refactor callref allocation  | neels    | 12/16/2019 02:37 PM | Related to #3294,Related to #3294,Related to #4333,Related to #4854                  |
| 2851 | OsmoMSC  | Bug     | Stalled | Normal   | a_iface.c:534 Unhandled SIGTRAN primitive: 3:2                                  |          | 07/18/2019 05:45 AM |  |
| 1725 | OsmoNITB | Bug     | Stalled | Low      | iPhone6 network selection issue with GSM1900                                    |          | 03/05/2018 07:35 PM |  |
| 1671 | OsmoNITB | Bug     | Stalled | Low      | Combined 850/1800 NITB not seen by Option Icon2 stick                           |          | 03/05/2018 07:35 PM |  |
| 1823 | OsmoPCU  | Feature | Stalled | Low      | Ericsson PCU TRAU frame encoding/decoding                                       |          | 09/04/2019 09:26 AM | Related to #5198   |
| 1545 | OsmoPCU  | Feature | Stalled | Normal   | continuous timing advance loop using PTCCH                                      | fixeria  | 03/24/2020 09:49 PM | Related to #1545,Related to #4102,Related to #4500,Blocks #1545                      |
| 1526 | OsmoPCU  | Feature | Stalled | Normal   | Acquire/update timing advance (TA)  | fixeria  | 03/25/2021 12:04 PM | Related to #1545,Related to #1531,Related to #1524,Related to #3472,Related to #2977 |
| 5696 | OsmoPCU  | Bug     | Stalled | Normal   | RLC/MAC: poll timeout when assigning a multi-slot DL TBF                        | fixeria  | 10/05/2022 11:01 AM |  |
| 4947 | OsmoPCU  | Bug     | Stalled | Normal   | osmo-pcu: Handling for Pkt Resource Req using Global TFI not implemented        | pespin   | 12/22/2022 01:04 PM |  |
| 4879 | OsmoPCU  | Bug     | Stalled | High     | endless pdch.cpp:809 Got CS-N RLC block: R=0, SI=0, TFI=0, CPS=0, RSB=0, rc=264 | fixeria  | 07/28/2023 02:46 PM |  |
| 4867 | OsmoPCU  | Bug     | Stalled | Normal   | Cinterion BGS2T failing to attach (no Attach Complete ever sent)                | pespin   | 11/30/2020 09:48 AM |  |
| 4452 | OsmoPCU  | Bug     | Stalled | Normal   | manual testing of osmo-pcu  |          | 07/28/2023 02:48 PM |  |
| 3928 | OsmoPCU  | Bug     | Stalled | High     | Missing PCU_Tests.ttcn for various timers / time-outs                           | pespin   | 11/15/2021 05:46 PM | Related to #5033   |
| 3926 | OsmoPCU  | Bug     | Stalled | High     | Missing PCU_Tests.ttcn DL TBF tests   | pespin   | 03/01/2021 11:06 AM |  |
| 2400 | OsmoPCU  | Bug     | Stalled | High     | transmit SI13 on PACCH during long TBFs   | fixeria  | 05/12/2020 12:19 PM | Related to #2400,Related to #3472,Related to #4506                                   |

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| 1838 | OsmoPCU  | Bug     | Stalled | Normal   | Nokia E52 doest reply to PUAN message properly   |           | 10/29/2017 06:47 PM |  |
| 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 |  |
| 1759 | OsmoPCU  | Bug     | Stalled | High     | Wrong calculation of DL window size for DL assignment  |           | 01/22/2020 04:01 PM | Related to #1533,Related to #1524  |
| 5759 | OsmoSGSN | Feature | Stalled | Normal   | Support for Mobility between SGSN (2G/3G) and S-GW (4G)  | dexter    | 12/07/2023 12:40 PM | Related to #5759   |
| 1655 | OsmoSGSN | Feature | Stalled | Normal   | KPIs for OsmoSGSN  |           | 01/08/2020 10:49 PM | Related to #1652,Related to #1655,Related to #1655                           |
| 1587 | OsmoSGSN | Feature | Stalled | Normal   | SMS over GPRS support  |           | 11/25/2018 08:14 PM | Related to #3587   |
| 2958 | OsmoSGSN | Bug     | Stalled | Normal   | OsmoSGSN doesn't authenticate on second/further ATTACH REQUEST   |           | 01/08/2020 10:49 PM | Related to #2958,Related to #4221  |
| 1794 | OsmoSGSN | Bug     | Stalled | Normal   | support random IV for GEA (via XID)  |           | 03/01/2018 11:17 PM | Related to #1910,Related to #1672,Related to #2843,Blocks #1794,Blocks #1582 |
| 1768 | OsmoSGSN | Bug     | Stalled | Low      | VTY show llc displays State TLLI Unassigned permanently  |           | 01/08/2020 10:52 PM |  |
| 4365 | OsmoTRX  | Support | Stalled | Normal   | Create testsuite to test osmo-bts-trx+osmo-trx under high channel load   | dexter    | 09/03/2020 10:33 AM | Related to #4366   |
| 4362 | OsmoTRX  | Feature | Stalled | Normal   | osmo-trx-lms: Support multi-arfcn feature  |           | 09/30/2020 08:09 PM | Related to #4362,Related to #4362  |
| 3054 | OsmoTRX  | Feature | Stalled | Normal   | Extended (11-bit) RACH support in OsmoTRX  | tnt       | 02/03/2019 11:45 AM | Related to #1854,Related to #3054,Related to #3054,Related to #4006          |
| 3775 | OsmoTRX  | Bug     | Stalled | Normal   | properly debug limesdr usb and limesdr mini clocking requirements and osmo-trx support                         |           | 09/30/2020 08:09 PM | Blocks #3341,Blocks #3342,Blocks #3775                                       |
| 3342 | OsmoTRX  | Bug     | Stalled | Normal   | osmo-trx-lms: low tx output power level  | Hoernchen | 04/06/2022 09:25 AM | Related to #3342,Blocks #3342  |



| #    | Project                         | Tracker | Status   | Priority | Subject   | Assignee | Updated             | Related issues                                     |
|------|---------------------------------|---------|----------|----------|---|----------|---------------------|--|
| 3341 | OsmoTRX                         | Bug     | Stalled  | High     | osmo-trx-lms RF Envelope FAIL on LimeSDR, but not on LimeSDR-mini             |          | 09/30/2020 08:08 PM | Related to #3341,Related to #3861,Blocks #3341     |
| 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 |  |
| 6394 | OsmoUPF                         | Feature | Stalled  | Low      | Basic URR (Usage Reporting Rule) support for tunnel mapping                   |          | 03/22/2024 08:08 AM | Related to #6395                                   |
| 4384 | pySim                           | Feature | Stalled  | Normal   | Jenkins program-read verification on daily (or weekly) basis                  | dexter   | 03/27/2023 04:13 PM | Related to #4384                                   |
| 6317 | pySim                           | Bug     | Stalled  | Normal   | data driven tests for TLV decoders  | laforge  | 02/15/2024 09:21 PM |  |
| 5714 | pySim                           | Bug     | Stalled  | Normal   | update_record_decoded does not use real record length when writing EF.MSISDN  | dexter   | 09/17/2023 09:46 AM |  |
| 5630 | pySim                           | Bug     | Stalled  | Normal   | pySim-trace doesn't support decoding classic SIM cards (TS 11.11 / TS 51.011) | laforge  | 07/24/2022 11:06 AM |  |
| 4383 | pySim                           | Bug     | Stalled  | High     | Jenkins build verification is non-deterministic                               | dexter   | 04/06/2021 04:58 PM | Related to #4384,Related to #5127                  |
| 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 |  |
| 5826 | SIMtrace 2                      | Feature | Stalled  | Normal   | SAM4S4BA support in firmware  | laforge  | 01/31/2023 08:06 PM | Related to #5826                                   |
| 5276 | SIMtrace 2                      | Feature | Stalled  | Normal   | jenkins CI integration like for osmo-ccid-firmware                            | roh      | 11/14/2022 05:24 PM | Related to #5422                                   |
| 1912 | SIMtrace 2                      | Feature | Stalled  | Low      | do proper re-layout of the board  | mschramm | 10/20/2020 08:39 AM | Related to #4118                                   |
| 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                                   |
| 5419 | SIMtrace 2                      | Bug     | Stalled  | High     | cardem errors with higher baud rate   | laforge  | 11/07/2022 06:22 PM |  |
| 3379 | SIMtrace 2                      | Bug     | Stalled  | High     | documentation on how to use SIMtrace2   | laforge  | 11/14/2022 05:31 PM | Related to #3379                                   |
| 1705 | SIMtrace 2                      | Bug     | Stalled  | High     | re-integrate tracing + card reader modes into SIMtrace2 firmware (SAM3S)      | laforge  | 04/06/2021 01:19 AM | Related to #1705,Related to #3379                  |
| 2807 | Z-Netz                          | Bug     | Stalled  | Normal   | Obtain ZERBERUS software build[s] and manual[s]                               | laforge  | 01/01/2020 01:51 PM |  |
| 4333 | Cellular Network Infrastructure | Support | Feedback | Normal   | GSUP binary compatibility: add GSUP protocol version IE?                      |          | 12/16/2019 01:56 PM | Related to #4333,Related to #4333,Related to #4333 |
| 5124 | Cellular Network Infrastructure | Feature | Feedback | Normal   | network:osmocom:nightly feed with "-O0" builds                                | laforge  | 05/11/2023 11:11 AM |  |
| 3982 | Cellular Network Infrastructure | Feature | Feedback | Low      | osmo-depcheck.py: set dependency hashes on command line                       | osmith   | 05/15/2023 09:51 AM |  |

| #    | Project                                      | Tracker | Status   | Priority | Subject  | Assignee  | Updated             | Related issues  |
|------|--|---------|----------|----------|--|-----------|---------------------|---|
| 6349 | Cellular Network Infrastructure              | Bug     | Feedback | Normal   | example configs missing in release tarballs  | fixeria   | 01/29/2024 04:04 PM |   |
| 5809 | Cellular Network Infrastructure              | Bug     | Feedback | Normal   | applications disrespect potentially VTY-configured tcp/telnet port   | osmith    | 10/31/2023 09:34 AM |   |
| 5685 | Cellular Network Infrastructure              | Bug     | Feedback | Normal   | Dropping debian 10 (buster)  | osmith    | 04/04/2023 10:10 AM | Related to #5685,Related to #5685                               |
| 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 |   |
| 6273 | Core testing infrastructure                  | Bug     | Feedback | Normal   | TTCN3 tests keep suffering from race conditions on shutdown  | daniel    | 12/05/2023 03:29 PM |   |
| 5858 | Core testing infrastructure                  | Bug     | Feedback | Normal   | osmo-python-tests: Ignore, at least clean up 'tmp_dummy_sock'  |           | 02/22/2023 06:25 PM | Related to #5858  |
| 6416 | E1/T1 Hardware Interface (including icE1usb) | Support | Feedback | Normal   | Serial debug tty port speed  | pfassberg | 05/01/2024 07:13 AM |   |
| 5490 | E1/T1 Hardware Interface (including icE1usb) | Bug     | Feedback | Normal   | ISO IN urb sometimes completes with less than full data / incomplete frame   | tnt       | 09/15/2022 12:34 PM |   |
| 6377 | erlang/osmo_ss7                              | Bug     | Feedback | Normal   | ipa: Failure decoding ipa frames split between several tcp packets   | pespin    | 02/28/2024 03:00 PM |   |
| 4403 | IMSI Pseudonymization                        | Feature | Feedback | Normal   | OsmoHLR: How to interface with SMS service?  |           | 04/16/2020 08:45 AM | Blocks #4477  |
| 5896 | libosmo-abis                                 | Bug     | Feedback | Normal   | libosmo-abis built without --enable-e1d in deb and rpm packages  | laforge   | 02/07/2023 11:40 AM | Blocks #5896  |
| 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                               |
| 5917 | libosmo-sccp + libosmo-sigtran               | Feature | Feedback | Normal   | immediately detect SCTP SHUTDOWN in SCCP link / in SCCP user / in active SCCP connections  | neels     | 03/20/2023 10:23 AM |   |
| 6240 | libosmo-sccp + libosmo-sigtran               | Bug     | Feedback | Normal   | libosmo-sigtran doesn't reject M3UA with "M3UA Network Appearance"   | daniel    | 10/31/2023 02:56 PM | Related to #6241  |
| 3871 | libosmo-sccp + libosmo-sigtran               | Bug     | Feedback | Low      | osmo_scu_prim conn_id should be scoped per-user and direction, and should not correlate with the local-reference spoken on the SCCP wire | laforge   | 04/02/2023 09:01 AM | Related to #3871,Related to #3871,Related to #5579,Blocks #3872 |
| 4727 | libosmocore                                  | Feature | Feedback | Normal   | Add more distro/platform/archs to jenkins CI   | laforge   | 05/15/2023 09:48 AM | Is duplicate of #4789   |
| 6440 | libosmocore                                  | Bug     | Feedback | Normal   | VTY: 'write file' breaks 'show startup-config'   |           | 04/26/2024 04:23 AM |   |
| 6437 | libosmocore                                  | Bug     | Feedback | Normal   | osmo_io_ops segmentation_cb missing parameter holding state  | pespin    | 04/19/2024 10:17 AM |   |

| #    | Project  | Tracker | Status   | Priority | Subject  | Assignee  | Updated             | Related issues  |
|------|--|---------|----------|----------|--|-----------|---------------------|---|
| 6233 | libosmocore                                    | Bug     | Feedback | Normal   | --enable-embedded build fails if pkg-config can't find some of the (disabled) dependencies | Hoernchen | 11/24/2023 04:15 PM |   |
| 6162 | libosmocore                                    | Bug     | Feedback | Normal   | master build failure with clang-16   | Hoernchen | 11/18/2023 09:17 AM |   |
| 5208 | libosmocore                                    | Bug     | Feedback | Normal   | ns2: add testcase for SNS Size with invalid tlv  | lynxis    | 02/12/2023 08:37 PM |   |
| 4797 | libosmocore                                    | Bug     | Feedback | Normal   | vtty: the output of 'show ns' command is confusing   | fixeria   | 10/23/2020 05:35 PM | Related to #4855,Related to #5085                                   |
| 4700 | libosmocore                                    | Bug     | Feedback | Normal   | 'socket' C test fails when there is no IPv6  | neels     | 03/24/2021 12:33 PM |   |
| 6103 | Linux Kernel GTP-U                             | Feature | Feedback | Normal   | move from 1:1 relationship of UDP socket and net-device to a N:M relationship              | pablo     | 10/06/2023 10:49 AM | Related to #6106  |
| 6382 | Linux Kernel GTP-U                             | Bug     | Feedback | Normal   | "TC_pdp6_act_deact_gtpu_access" fails with kernel gtp-u                                    |           | 03/05/2024 04:06 PM |   |
| 5824 | osmo-e1d                                       | Bug     | Feedback | Normal   | Line dead message in the log after start   | laforge   | 12/25/2023 01:43 PM |   |
| 6396 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | Feedback | Normal   | add support for auth failure with resync   | lynxis    | 03/11/2024 10:19 AM |   |
| 6361 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | Feedback | Normal   | open5gs-upfd: Fix open5gs package assigning 1st IP address of the UE pool to the ogstun    | lynxis    | 04/22/2024 05:29 PM | Related to #6361  |
| 6091 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | Feedback | High     | osmo-epdg: Implement CEAL interface (GSUP) ePDG <> strongswan                              | lynxis    | 03/14/2024 04:36 PM |   |
| 6045 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | Feedback | Normal   | report erlang diameter problems to the diameter compiler repo.                             | pespin    | 03/07/2024 04:16 PM |   |
| 4968 | osmo-gbproxy                                   | Bug     | Feedback | Normal   | Multiple TTCN3 tests only expect one SGSN  | daniel    | 12/09/2021 09:17 PM | Related to #4968  |
| 1906 | osmo-qcdiag                                    | Bug     | Feedback | Normal   | wireshark: fix decoding of (E)GPRS RLC/MAC frames  | Hoernchen | 02/08/2021 08:07 PM |   |
| 5106 | OsmoBSC  | Feature | Feedback | Urgent   | Watchdog that would try to un-BORKE BORKen timeslots                                       | keith     | 02/07/2023 06:25 PM | Related to #5106,Related to #5785,Related to #5786,Related to #5106 |
| 2781 | OsmoBSC  | Feature | Feedback | Normal   | Extend OsmBSC TTCN-3 test coverage regarding resource leaks                                | neels     | 03/25/2022 05:56 AM | Related to #2781,Related to #2781,Related to #5355,Related to #5337 |
| 6422 | OsmoBSC  | Bug     | Feedback | Normal   | latest: BSC_Tests.TC_ctrl_location started to fail on March 15th                           | fixeria   | 04/02/2024 06:56 PM |   |
| 6318 | OsmoBSC  | Bug     | Feedback | Normal   | Show lchan shows wrong number of channels for TCH  | neels     | 12/25/2023 01:01 AM |   |
| 5982 | OsmoBSC  | Bug     | Feedback | Low      | conn->fi is NULL in gscon_bssmap_clear()   | neels     | 04/11/2023 02:25 PM |   |

| #    | Project                    | Tracker | Status   | Priority | Subject   | Assignee                      | Updated             | Related issues                                     |
|------|----------------------------|---------|----------|----------|---|-------------------------------|---------------------|--|
| 4881 | OsmoBSC                    | Bug     | Feedback | Normal   | osmo-bsc with unixsocket to osmo-el2tpd fails to bring up rbs6k (dug20+rrus12)  | firs                          | 01/01/2021 10:10 AM |  |
| 4848 | OsmoBSC                    | Bug     | Feedback | Normal   | osmo-bsc user manual shows tables with per-bts counters three (!) times   | fixeria                       | 03/06/2022 09:08 PM | Related to #4848,Related to #4848                  |
| 3637 | OsmoBSC                    | Bug     | Feedback | Normal   | handover decision 2: properly check available codecs  | neels                         | 10/09/2018 09:45 AM | Related to #3637,Related to #3637                  |
| 3474 | OsmoBSC                    | Bug     | Feedback | Normal   | SDCCH not released if Radio Link Failure / Sending Connection Failure: cause = 0x001 Experienced in osmo-bsc and osmo-bts-trx | ron.menez@entropysolution.com | 10/05/2020 09:33 PM |  |
| 5953 | OsmoBTS                    | Bug     | Feedback | Normal   | ttcn3-bts-test: TC_ms_pwr_ctrl_{constant,pf_ewma} are failing   | fixeria                       | 03/25/2024 05:19 PM |  |
| 5774 | OsmoBTS                    | Bug     | Feedback | Normal   | Drop pcu_sock conn if queue length grows up to a given threshold  | jolly                         | 12/17/2023 12:59 PM |  |
| 4008 | OsmoBTS                    | Bug     | Feedback | High     | Channel Activation starts SACCH too early in Asynchronous Handover  |                               | 03/11/2022 12:47 PM | Related to #4008,Related to #4010,Related to #4009 |
| 1898 | OsmoBTS                    | Bug     | Feedback | Low      | Wrong handover detection with l1sap on wrong ss=0/ts=0  |                               | 11/07/2017 09:54 PM |  |
| 6115 | OsmocomBB                  | Feature | Feedback | Normal   | modem: MTU not set properly on tun iface  | pespin                        | 12/08/2023 05:48 PM | Related to #6115,Related to #6298                  |
| 5503 | OsmocomBB                  | Feature | Feedback | Normal   | expose GPRS user plane via tun device   | pespin                        | 08/28/2023 10:38 PM | Related to #6115                                   |
| 6342 | OsmocomBB                  | Bug     | Feedback | Normal   | ms-sdr gprs performance   | Hoernchen                     | 02/05/2024 05:00 PM | Related to #6342                                   |
| 6338 | OsmocomBB                  | Bug     | Feedback | Normal   | ms-sdr gprs startup issues  | Hoernchen                     | 01/24/2024 03:58 PM |  |
| 5171 | OsmocomBB                  | Bug     | Feedback | Normal   | ccch_scan failed  | thor123                       | 06/09/2021 12:06 AM |  |
| 4798 | OsmocomBB                  | Bug     | Feedback | Low      | fake_trx send TRXC responses from wrong source address  | fixeria                       | 04/30/2021 03:37 AM |  |
| 1990 | OsmocomBB                  | Bug     | Feedback | Normal   | bb nand flash   | yangkokk                      | 07/10/2017 10:22 PM |  |
| 5757 | OsmoDia2GSUP               | Feature | Feedback | Normal   | functional test suite for osmo_dia2gsup   | lynxis                        | 09/06/2023 02:48 PM |  |
| 6155 | OsmoDia2GSUP               | Bug     | Feedback | Normal   | osmo_dia2gsup not setting Origin-State-Id Diameter AVP during Device-Watchdog-{Req,Answer}                                    | lynxis                        | 11/11/2023 06:19 PM |  |
| 5657 | OsmoDia2GSUP               | Bug     | Feedback | Normal   | dia2gsup not (re-)connecting to HLR if osmo-hlr is down   | lynxis                        | 11/11/2023 06:20 PM |  |
| 5241 | OsmoGGSN (former OpenGGSN) | Bug     | Feedback | Low      | GTP: Malformed Packet pdp ctx response.   | lynxis                        | 03/23/2022 05:31 PM |  |
| 2237 | OsmoGSMTester              | Bug     | Feedback | Normal   | ofono: Gobi modem: successful SMS delivery is evaluated as not successful   | lynxis                        | 06/07/2018 02:08 PM | Related to #2237,Related to #2237,Blocks #2237     |

| #    | Project    | Tracker | Status   | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|------------|---------|----------|----------|---|----------|---------------------|--|
| 6127 | OsmoHNBGW  | Feature | Feedback | Normal   | Submit RAB Modification Req towards HNB to update its peer luUP address if MGW changed it | pespin   | 11/29/2023 06:45 PM |  |
| 6153 | OsmoHNodeB | Support | Feedback | Normal   | List of supported FemtoCell   | Kira     | 08/28/2023 02:24 PM |  |
| 3352 | OsmoMGW    | Feature | Feedback | Low      | osmo-mgw does not allow multiple codecs in LCO  | neels    | 01/08/2020 10:25 PM |  |
| 6151 | OsmoMSC    | Feature | Feedback | Normal   | osmo-msc: Ability to configure (VTY) the AMR(-WB) formats used in RAB-Assignment-Req      | neels    | 08/30/2023 08:16 PM |  |
| 6426 | OsmoMSC    | Bug     | Feedback | Normal   | ttn3-msc-test: TC_mm_id_resp_no_identity fails sporadically                               | fixeria  | 04/03/2024 06:49 PM | Related to #6426,Related to #6427  |
| 6217 | OsmoMSC    | Bug     | Feedback | Normal   | Bearer Capability mismatch in MT SETUP  | neels    | 10/10/2023 10:17 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   |
| 4167 | OsmoMSC    | Bug     | Feedback | Normal   | Event VLR_ULA_E_ID_IMEISV not permitted   | osmith   | 09/04/2019 08:13 PM |  |
| 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   |
| 2872 | OsmoMSC    | Bug     | Feedback | Normal   | OsmoMSC doesn't check if CIPHER MODE COMPLETE contains cipher that matches REQUEST        | neels    | 07/29/2019 01:15 PM |  |
| 2691 | OsmoNITB   | Bug     | Feedback | Normal   | Old TMSI paged after LU   |          | 05/17/2018 11:47 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   |
| 4856 | OsmoPCU    | Bug     | Feedback | Normal   | PCU is running but has no NS connection and does not retry.                               | keith    | 10/18/2021 10:02 AM |  |
| 4845 | OsmoPCU    | Bug     | Feedback | Normal   | only send content resolution if it's needed   | lynxis   | 07/28/2023 02:45 PM |  |
| 4844 | OsmoPCU    | Bug     | Feedback | Normal   | do not resent DL assignment on RACH   | lynxis   | 07/28/2023 02:44 PM |  |
| 2404 | OsmoPCU    | Bug     | Feedback | Low      | PAGING-PS doesn't use QoS parameters from BSSGP   | osmith   | 09/10/2019 11:54 AM |  |
| 1640 | OsmoPCU    | Bug     | Feedback | Low      | Missing release field/length in MS RA capability container                                |          | 10/20/2020 09:19 AM |  |
| 1524 | OsmoPCU    | Bug     | Feedback | Normal   | PACCH on the wrong timeslot   | roh      | 10/19/2021 11:50 AM | Related to #1524,Related to #1524,Related to #1524,Related to #2709,Related to #1524,Related to #1524,Related to #3014 |
| 6197 | OsmoSGSN   | Bug     | Feedback | Low      | "Cannot handle SM for unknown MM CTX"   | fixeria  | 03/10/2024 06:23 PM |  |

| #    | Project                         | Tracker | Status      | Priority | Subject   | Assignee  | Updated             | Related issues   |
|------|---------------------------------|---------|-------------|----------|---|-----------|---------------------|--|
| 4602 | OsmoSGSN                        | Bug     | Feedback    | Normal   | SGSN crash with "Assert failed mm->gb.lme == NULL gprs_sgsn.c:358"                            | lynxis    | 02/26/2021 07:34 PM | Related to #4604,Related to #4605,Related to #4602   |
| 4601 | OsmoSGSN                        | Bug     | Feedback    | Normal   | gmm_fsm{Registered.SUSPENDED}: Event E_GMM_COMMON_PROC_INIT_REQ not permitted                 | lynxis    | 06/08/2020 06:11 PM | Related to #4604   |
| 4600 | OsmoSGSN                        | Bug     | Feedback    | Normal   | gmm_fsm{CommonProcedureInitiated}: Event E_GMM_COMMON_PROC_INIT_REQ not permitted             | lynxis    | 06/08/2020 06:08 PM | Related to #4604   |
| 2951 | OsmoSGSN                        | Bug     | Feedback    | Normal   | OsmoSGSN Accepts two MO L3 Messages with N(U) set to zero                                     | osmith    | 09/11/2019 12:24 PM |  |
| 1942 | OsmoSGSN                        | Bug     | Feedback    | Normal   | Gb: implement paging in case of MM state == STANDBY && rx DL PDU                              |           | 01/08/2020 10:48 PM | Related to #1942,Related to #4222  |
| 4468 | OsmoTRX                         | Bug     | Feedback    | Normal   | "RSSI offset" default of 0 is not useful  | Hoernchen | 10/14/2020 02:40 PM | Related to #4468,Related to #4468,Related to #4583   |
| 6089 | pySim                           | Feature | Feedback    | Normal   | log the current file / operation during execeution of a script                                | laforge   | 11/27/2023 04:37 PM |  |
| 6224 | Retronetworking                 | Feature | Feedback    | Normal   | how to document the rescued EWSD  |           | 10/18/2023 04:51 PM |  |
| 5600 | SIMtrace 2                      | Feature | Feedback    | Normal   | SIMtrace2 fails to emulate EMV cards  | boggy123  | 12/14/2022 01:07 PM |  |
| 6181 | SIMtrace 2                      | Bug     | Feedback    | Normal   | Unexpected INS code with simtrace2-sniff: 0x7f  | v.marinos | 10/18/2023 09:41 PM |  |
| 5770 | SIMtrace 2                      | Bug     | Feedback    | Normal   | simtrace2 firmware ignores any but the first USB message sent by simtrace2-list after a reset | jtavares  | 11/23/2022 04:01 AM |  |
| 5639 | SIMtrace 2                      | Bug     | Feedback    | Normal   | No packet captured but only "Card state change:"  | g1bbs     | 09/20/2023 01:29 PM |  |
| 6069 | Cellular Network Infrastructure | Feature | In Progress | Normal   | port hello-stk to ant-based build like mrlnc/HelloSTK2  | dexter    | 11/02/2023 12:52 PM |  |
| 5929 | Cellular Network Infrastructure | Feature | In Progress | Normal   | document current (milestones of) nlnet funded projects; mention nlnet funding                 | laforge   | 04/04/2023 10:05 AM |  |
| 4107 | Cellular Network Infrastructure | Feature | In Progress | High     | Start systemd services as non-root user   | osmith    | 04/29/2024 08:12 AM | Related to #4107,Related to #4821,Related to #4107,Related to #5669,Related to #5685,Related to #5687,Related to #5722 |
| 6198 | Cellular Network Infrastructure | Bug     | In Progress | Normal   | Patch releases for September 2023 Osmocom CNI releases  | roh       | 12/19/2023 01:29 PM | Related to #6253   |
| 6386 | Core testing infrastructure     | Bug     | In Progress | Normal   | eclipse-titan 9.0.0 not building in debian unstable   | osmith    | 03/04/2024 02:10 PM |  |

| #    | Project  | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|--|---------|-------------|----------|--|----------|---------------------|-----------------------------------|
| 5632 | Core testing infrastructure                    | Bug     | In Progress | Normal   | better test result summary / notifications   | lynxis   | 08/31/2022 11:58 AM |                                   |
| 4268 | Distributed GSM                                | Bug     | In Progress | Normal   | duplicate SMS when SMPP handler sends back to the originating MSC                                | neels    | 06/08/2020 03:11 PM |                                   |
| 4464 | libosmo-abis                                   | Bug     | In Progress | Normal   | "osmo_rtp_socket_poll(): ERROR!" messages during normal osmo-bts usage                           | laforge  | 02/06/2021 02:27 PM | Related to #4467                  |
| 5679 | libosmo-sccp + libosmo-sigtran                 | Feature | In Progress | Normal   | unsupported SCCP user primitive N-PCSTATE.indication   | neels    | 02/18/2023 01:46 AM |                                   |
| 6263 | libosmocore                                    | Bug     | In Progress | Low      | impossible to detect wrong callbacks being registered / osmo_io_ops union                        | daniel   | 11/21/2023 09:21 AM |                                   |
| 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                  |
| 5180 | libosmocore                                    | Bug     | In Progress | Normal   | ns2: Document NS inspection/blocking commands  | lynxis   | 06/15/2021 01:10 PM |                                   |
| 4842 | libosmocore                                    | Bug     | In Progress | Normal   | gsm0408 test fails on several architectures  | neels    | 08/23/2022 04:38 PM |                                   |
| 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 |                                   |
| 6212 | Linux Kernel GTP-U                             | Bug     | In Progress | Normal   | GTP extension headers  | pespin   | 10/18/2023 03:03 PM | Related to #6223                  |
| 1952 | Linux Kernel GTP-U                             | Bug     | In Progress | High     | IPv6 support for inner (user) IP layer missing   | pablo    | 03/05/2024 11:47 PM | Related to #6096,Related to #6123 |
| 5480 | Open Source IMS Client                         | Feature | In Progress | High     | Linux kernel IPsec plugin for doubango   | laforge  | 03/25/2022 10:44 AM |                                   |
| 4431 | osmo-clock-gen                                 | Bug     | In Progress | Normal   | TC1 (TC2050) pin 4 should connect to VDD network, not VDD_3V3                                    | laforge  | 07/20/2020 10:42 PM |                                   |
| 5861 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | In Progress | Urgent   | extend charon with external authentication interface   | lynxis   | 02/07/2024 04:00 PM | Related to #5868                  |
| 6435 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | In Progress | Normal   | epdg: fix inter-UE traffic   | lynxis   | 04/08/2024 06:55 PM |                                   |
| 6370 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | In Progress | Normal   | setup ims with kamailio  | lynxis   | 03/14/2024 09:01 PM |                                   |
| 6364 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | In Progress | Normal   | strongswan: gsup: remove single request limitation   | lynxis   | 02/20/2024 05:59 PM | Related to #6366                  |
| 4951 | osmo-gbproxy                                   | Feature | In Progress | Normal   | more TTCN3 tests for SGSN pooling  | daniel   | 07/08/2021 08:36 PM | Related to #4951,Related to #4952 |
| 4520 | osmo-gbproxy                                   | Feature | In Progress | Normal   | gbproxy: Redundancy between NS-VCs (BSS Side)  | lynxis   | 02/19/2021 04:50 PM | Related to #4520                  |

| #    | Project  | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues  |
|------|--|---------|-------------|----------|--|----------|---------------------|---|
| 5745 | osmo-lab-rack  | Feature | In Progress | Low      | component carrier Ethernet switch  | laforge  | 02/03/2023 11:29 AM |   |
| 1685 | osmo-sip-connector                                     | Feature | In Progress | Normal   | osmo-sip-connector: Review and define log statements and which info to include     | osmith   | 09/04/2019 09:31 AM |   |
| 5755 | OsmoBSC  | Feature | In Progress | High     | io_uring support in osmo-bsc   | jolly    | 03/02/2024 08:06 PM | Related to #5755,Related to #6357                                   |
| 4922 | OsmoBSC  | Feature | In Progress | Normal   | Implement MS Power Control   | keith    | 11/04/2021 06:37 PM |   |
| 4537 | OsmoBSC  | Feature | In Progress | Normal   | OsmoBSC needs strategies to recover broken lchans (lchan state BORKEN)             |          | 11/20/2023 05:03 PM | Related to #4537,Related to #4540,Related to #4541,Related to #5106 |
| 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  |
| 5335 | OsmoBSC  | Bug     | In Progress | Normal   | osmo-bsc: Add VTY commands to configure T3.. and N3.. timers counters for gprs     | jolly    | 12/17/2023 12:59 PM | Related to #5915,Related to #5991                                   |
| 6270 | OsmoBTS  | Bug     | In Progress | Normal   | osmo-bts sends version report every 5s to BSC?                                     | dexter   | 02/19/2024 03:06 PM |   |
| 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 |   |
| 4474 | OsmoBTS  | Bug     | In Progress | Low      | l1fwd (-remote) tried to read eeprom locally                                       |          | 11/04/2021 06:35 PM |   |
| 6290 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Feature | In Progress | High     | Organize OsmoDevCon 2024   | laforge  | 03/06/2024 12:06 PM |   |
| 4030 | OsmocomBB  | Feature | In Progress | Normal   | design breakout board for GTM900-B   | mschramm | 01/05/2024 08:00 AM | Related to #4575,Related to #4610                                   |
| 1954 | OsmocomBB  | Bug     | In Progress | Normal   | Motorola C188 with Osmocombb firmwre(RAM version) can't scan out any base stations |          | 07/10/2017 10:24 PM |   |
| 6254 | OsmoDia2GSUP   | Bug     | In Progress | Normal   | Reconnects of the ttcn3 aren't handled   | lynxis   | 11/11/2023 05:13 PM |   |
| 6223 | OsmoGGSN (former OpenGGSN)                             | Feature | In Progress | High     | TTCN3 unit test[s] for GTPv1U with extension headers                               | osmith   | 01/31/2024 08:19 PM | Related to #6223  |
| 6096 | OsmoGGSN (former OpenGGSN)                             | Feature | In Progress | Urgent   | add support for kernel-GTP IPv6  | osmith   | 03/25/2024 12:10 PM | Related to #6096,Related to #6106,Related to #6096,Blocks #6096     |
| 2238 | OsmoGSMTester  | Bug     | In Progress | Normal   | ofono: Gobi modem: cannot receive SMS  |          | 01/08/2020 10:42 PM | Related to #2238  |
| 5889 | OsmoHLR  | Bug     | In Progress | Normal   | subscriber data: send out correct PDP Info   | lynxis   | 09/01/2023 04:20 PM |   |



| #    | Project   | Tracker | Status      | Priority | Subject   | Assignee  | Updated             | Related issues   |
|------|-----------|---------|-------------|----------|---|-----------|---------------------|--|
| 5153 | OsmoHNBGW | Feature | In Progress | Normal   | support hnbgw co-located GTP-U proxy (UPF)  | neels     | 11/15/2022 09:54 AM | Related to #5154,Related to #5153  |
| 5230 | OsmoHNBGW | Bug     | In Progress | Normal   | hnbgw fails to connect to the sgsn  | lynxis    | 10/14/2021 07:50 AM |  |
| 6171 | OsmoMGW   | Feature | In Progress | Normal   | mgcp-client API: there should be a separate mgcp_codec_param for each codec in mgcp_msg.codecs[]  | dexter    | 11/01/2023 04:15 PM | Related to #6171   |
| 5214 | OsmoMGW   | Feature | In Progress | Normal   | osmo-mgw multithreading   | Hoernchen | 08/31/2021 09:20 AM |  |
| 4535 | OsmoMGW   | Feature | In Progress | Low      | Develop "E1/Abis generator"   | laforge   | 01/02/2022 01:57 PM | Precedes #2547   |
| 6424 | OsmoMGW   | Bug     | In Progress | High     | TC_one_crcx_loopback_rtp_implicit consistently failing in master, but passes on latest  | neels     | 03/27/2024 08:17 PM |  |
| 6258 | OsmoMSC   | Feature | In Progress | Normal   | if MT call leg does not support the assigned codec, re-assign to a compatible codec   |           | 01/12/2024 06:26 AM | Related to #6328   |
| 4200 | OsmoMSC   | Feature | In Progress | Normal   | Work around nano3G-S16 requiring RAB ID to be below 16  | efistokl  | 09/14/2019 09:48 AM |  |
| 6152 | OsmoMSC   | Bug     | In Progress | Normal   | built-in MNCC: forward the @Low layer compatibility I@ IE to the called subscriber  | jolly     | 12/20/2023 12:52 PM | Related to #6152   |
| 4830 | OsmoMSC   | Bug     | In Progress | High     | LU reject when no authentication data in HLR but "authentication optional"  | neels     | 10/10/2022 02:03 PM |  |
| 4721 | OsmoMSC   | Bug     | In Progress | Normal   | osmo-msc creates evil-twin entries in the VLR when an already attached IMSI does a LU by an unknown TMSI (was: MSC_Tests.TC_lu_by_tmsi_noauth_unknown fails sporadically locally) | neels     | 03/26/2024 03:02 AM | Related to #4721   |
| 4240 | OsmoMSC   | Bug     | In Progress | Normal   | test: incoming call when already Paging   |           | 11/27/2019 11:09 PM |  |
| 1766 | OsmoPCU   | Bug     | In Progress | High     | KPIs for OsmoPCU: EGPRS   |           | 01/22/2020 02:06 PM | Related to #1766,Related to #1766  |
| 3920 | OsmoSGSN  | Support | In Progress | Normal   | PCAPs files of 3G PS for Osmocom network and Commercial one   |           | 04/18/2019 02:03 PM | Related to #3920,Related to #3936,Related to #3923,Related to #3937,Related to #3922 |
| 5880 | OsmoSGSN  | Bug     | In Progress | High     | User Manual sections 11.1.1-2 document non-existing (removed?) VTY commands   | lynxis    | 03/28/2023 02:45 PM |  |
| 5349 | OsmoSGSN  | Bug     | In Progress | High     | Message for non-existing SNDCP Entity   |           | 07/17/2023 04:42 PM |  |
| 3937 | OsmoSGSN  | Bug     | In Progress | Normal   | lu: verify handling of GMM Service Request (data)when no PDP Context present.   |           | 05/21/2019 10:28 AM | Related to #3937   |
| 3356 | OsmoSGSN  | Bug     | In Progress | Normal   | OsmoSGSN doesn't provide unique IDTAG_SERNR in IPA CCM  | osmith    | 04/09/2019 11:22 AM | Related to #3356,Related to #3356,Related to #3644                                   |

| #    | Project                         | Tracker | Status      | Priority | Subject  | Assignee  | Updated             | Related issues  |
|------|---------------------------------|---------|-------------|----------|--|-----------|---------------------|---|
| 2501 | OsmoSGSN                        | Bug     | In Progress | Normal   | suspected problem with unanswered neighbor solicitation                              | osmith    | 09/11/2019 12:58 PM |   |
| 1881 | OsmoSGSN                        | Bug     | In Progress | Normal   | don't send PDP CTX DEACT ACK to MS when destroying PDP ctx indepent from MS requests |           | 01/08/2020 10:49 PM |   |
| 5516 | OsmoTRX                         | Feature | In Progress | High     | BladeRF 2.0 Support  | Hoernchen | 02/14/2023 02:59 PM | Is duplicate of #2430   |
| 5900 | OsmoUPF                         | Feature | In Progress | Normal   | make sure chain ids used in the tunmap nft ruleset are unused                        |           | 02/09/2023 05:34 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  |
| 6119 | pySim                           | Bug     | In Progress | Normal   | aram_get_config runs into an exception on a sysmocomSJA2                             | laforge   | 12/05/2023 05:26 PM |   |
| 5938 | Retrocomputing                  | Feature | In Progress | Normal   | assemble "fake parallel printer"   | laforge   | 09/13/2023 09:32 AM |   |
| 5934 | Retrocomputing                  | Feature | In Progress | Low      | Assemble Pico-GUS  | laforge   | 03/06/2023 04:25 PM |   |
| 5933 | Retrocomputing                  | Feature | In Progress | Low      | Assemble XT-CF-Lite v4.1   | laforge   | 03/20/2023 09:54 AM |   |
| 5939 | Retrocomputing                  | Bug     | In Progress | Low      | Assemble GraphicGremlin / isavideo   | laforge   | 03/15/2023 09:06 AM |   |
| 5488 | Retronetworking                 | Feature | In Progress | Low      | create DAHDI mirror sniffer  | laforge   | 11/07/2022 06:04 PM |   |
| 5463 | Retronetworking                 | Feature | In Progress | Low      | X.21 hardware interface  | vogelchr  | 03/04/2023 02:37 PM |   |
| 5422 | SIMtrace 2                      | Feature | In Progress | Normal   | "cardem" continuous testing setup  | laforge   | 01/27/2022 12:22 PM | Related to #5422  |
| 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 |
| 5921 | SIMtrace 2                      | Bug     | In Progress | High     | simtrace2 cardem vs. Linux kernel USB autosuspend                                    | laforge   | 09/16/2023 10:47 PM | Related to #5921  |
| 5464 | SIMtrace 2                      | Bug     | In Progress | Normal   | cardem firmware unable to attach to card   | laforge   | 11/18/2022 06:41 PM | Related to #5464  |
| 4638 | Altair LTE Modems               | Feature | New         | Normal   | Mikrotik R11e-4G mtd dump  |           | 06/13/2021 10:15 AM |   |
| 4341 | BBS-Revival                     | Feature | New         | Normal   | setup for telnet access to legacy BBS software which doesn't have telnet/tcp support | laforge   | 10/03/2022 12:09 PM |   |
| 4242 | BBS-Revival                     | Feature | New         | Low      | offer CCC event schedule (Fahrplan) as gopher service                                |           | 10/28/2019 09:22 AM |   |
| 4525 | Cellular Modem Information      | Feature | New         | Normal   | MTK  |           | 05/03/2020 03:57 PM | Is duplicate of #4525   |
| 3658 | Cellular Modem Information      | Feature | New         | Low      | Create a "osmocom-bb-host-latest" docker container                                   |           | 12/01/2019 09:07 AM | Related to #3658  |
| 6327 | Cellular Network Infrastructure | Feature | New         | Low      | Osmocom-build-tags-against-master job builds very basic configurations               | osmith    | 01/11/2024 08:17 PM |   |
| 6243 | Cellular Network Infrastructure | Feature | New         | Low      | vty cfg: make changing startup defaults of applications backwards compatible         |           | 11/01/2023 07:06 PM |   |

| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues        |
|------|---------------------------------|---------|--------|----------|--|----------|---------------------|-----------------------|
| 5908 | Cellular Network Infrastructure | Feature | New    | Low      | Cleanup license information throughout the projects  |          | 02/16/2023 11:02 AM |                       |
| 5771 | Cellular Network Infrastructure | Feature | New    | Normal   | series of presentations about the individual CNI network elements                                  |          | 11/14/2022 07:25 PM |                       |
| 5722 | Cellular Network Infrastructure | Feature | New    | Low      | Migrate jenkins build slaves from docker to podman   |          | 10/21/2022 08:29 PM | Related to #5722      |
| 5692 | Cellular Network Infrastructure | Feature | New    | Low      | switch to C99 standard flexible arrays instad of gcc-specific zero-length arrays                   |          | 09/29/2022 05:59 AM |                       |
| 5446 | Cellular Network Infrastructure | Feature | New    | Normal   | correlate git version to ttcn3 tests   |          | 02/07/2022 09:40 PM | Related to #5446      |
| 5045 | Cellular Network Infrastructure | Feature | New    | Normal   | write libversion "major" on build files automatically based on LIBVERSION                          | pespin   | 02/24/2021 01:14 PM |                       |
| 5013 | Cellular Network Infrastructure | Feature | New    | Low      | investigate "vtysh" for Osmocom  |          | 02/06/2021 02:14 PM | Related to #5013      |
| 4587 | Cellular Network Infrastructure | Feature | New    | Low      | Add port numbers to /etc/services during installation  |          | 06/08/2020 10:28 AM | Related to #5013      |
| 4376 | Cellular Network Infrastructure | Feature | New    | Normal   | Define distinct X timer numbers across all osmo programs   |          | 01/23/2020 09:21 PM |                       |
| 4277 | Cellular Network Infrastructure | Feature | New    | Low      | implement an SMSC to work with OsmoMSC   |          | 11/22/2019 02:45 PM |                       |
| 4109 | Cellular Network Infrastructure | Feature | New    | Low      | debian-repo-install-test: start a virtual MS and perform a LU                                      | osmith   | 11/29/2019 10:39 AM | Related to #4109      |
| 4091 | Cellular Network Infrastructure | Feature | New    | Normal   | Osmux: Make sure all handover types work fine if a call leg is using Osmux between BSC and MSC.    | pespin   | 06/08/2020 07:08 PM |                       |
| 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 |                       |
| 3714 | Cellular Network Infrastructure | Feature | New    | Low      | implement Internal Handover With MSC Support   | neels    | 02/06/2021 02:04 PM | Related to #3714      |
| 3670 | Cellular Network Infrastructure | Feature | New    | Low      | TTCN-3 tests for statsd exporter code  |          | 09/04/2019 09:03 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      |
| 3477 | Cellular Network Infrastructure | Feature | New    | Low      | add a wiki page explaining interconnection between components across several machines              | osmith   | 12/01/2019 09:29 AM |                       |
| 3386 | Cellular Network Infrastructure | Feature | New    | Low      | Generate man pages at build time from adoc files   | osmith   | 05/11/2023 11:24 AM | Precedes #3386        |
| 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      |
| 3227 | Cellular Network Infrastructure | Feature | New    | Normal   | general idea: separate GSUP spec document  | roh      | 12/01/2019 09:26 AM | Is duplicate of #3227 |

| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues  |
|------|---------------------------------|---------|--------|----------|--|----------|---------------------|---|
| 3142 | Cellular Network Infrastructure | Feature | New    | Low      | Further simplification of "NITB like" setups   |          | 04/05/2018 08:09 PM |   |
| 2623 | Cellular Network Infrastructure | Feature | New    | High     | SCCP/M3UA: detect restart of osmo-msc and osmo-sgsn  | neels    | 02/07/2021 12:55 PM | Related to #3403,Related to #4701                                   |
| 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  |
| 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 |
| 2451 | Cellular Network Infrastructure | Feature | New    | Low      | Add static builds to jenkins jobs  | osmith   | 09/30/2018 08:18 AM |   |
| 2011 | Cellular Network Infrastructure | Feature | New    | Low      | clean-up / merge IPA (and IPA CCM) code of libosmocore, libosmo-abis, libosmo-netif, openbsc, etc. |          | 12/07/2022 04:11 PM | Related to #4841  |
| 1975 | Cellular Network Infrastructure | Feature | New    | Low      | Redesigned configuration management / MIB  | laforge  | 02/16/2021 05:59 PM |   |
| 1598 | Cellular Network Infrastructure | Feature | New    | Low      | Scripting language interface   |          | 12/10/2017 08:04 PM |   |
| 1596 | Cellular Network Infrastructure | Feature | New    | Low      | Generation of accounting/billing data  |          | 12/10/2017 08:03 PM |   |
| 1590 | Cellular Network Infrastructure | Feature | New    | Low      | Extension of Control Interface / external SNMP agent   |          | 07/18/2019 05:22 AM |   |
| 6215 | Cellular Network Infrastructure | Bug     | New    | Normal   | Rebase open5gs pcrf_simple patches and submit upstream   | lynxis   | 10/18/2023 02:53 PM |   |
| 6188 | Cellular Network Infrastructure | Bug     | New    | Normal   | Osmocom manuals have "draft" in debian packages of released versions                               | osmith   | 09/21/2023 04:37 PM |   |
| 6122 | Cellular Network Infrastructure | Bug     | New    | Low      | remove big endian support  | osmith   | 10/18/2023 05:20 PM | Related to #6122  |
| 5985 | Cellular Network Infrastructure | Bug     | New    | Normal   | tests: not all Osmocom projects have @osmoappdesc.py@  |          | 03/29/2023 08:09 PM |   |
| 5887 | Cellular Network Infrastructure | Bug     | New    | Low      | coverity: build everything in docker container and add CI  | osmith   | 02/01/2023 10:25 AM |   |
| 5819 | Cellular Network Infrastructure | Bug     | New    | Low      | Gerrit/gitiles: Parent links don't work  |          | 12/08/2022 01:28 PM |   |
| 5764 | Cellular Network Infrastructure | Bug     | New    | Normal   | GCC does not check format strings in LOGPFM macros   |          | 11/11/2022 06:30 AM |   |
| 5750 | Cellular Network Infrastructure | Bug     | New    | Normal   | contrib/jenkins.sh: build with -Wunused-macros and -Wundef   |          | 11/08/2022 08:07 PM |   |

| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|---------------------------------|---------|--------|----------|--|----------|---------------------|-----------------------------------|
| 5749 | Cellular Network Infrastructure | Bug     | New    | Normal   | configure.ac: default CFLAGS, LT_INIT adds "-g -O2"  | fixeria  | 01/31/2023 08:12 PM |                                   |
| 5669 | Cellular Network Infrastructure | Bug     | New    | Normal   | Test .deb packages built by our OBS  |          | 09/21/2022 01:03 PM | Related to #5669,Related to #5669 |
| 5188 | Cellular Network Infrastructure | Bug     | New    | Normal   | BSSMAP Cell Identifier IE vs. Cell Identifier List IE: difference in allowed cell id types | neels    | 08/23/2022 04:24 PM |                                   |
| 4883 | Cellular Network Infrastructure | Bug     | New    | Normal   | update OsmoNITB migration guide  | neels    | 12/01/2020 08:32 AM |                                   |
| 4578 | Cellular Network Infrastructure | Bug     | New    | High     | Updated slides / presentations / videos on setting up Osmocom CNI                          | laforge  | 02/13/2021 05:35 PM |                                   |
| 4141 | Cellular Network Infrastructure | Bug     | New    | Normal   | No osmux specific code in place during codec negotiation                                   |          | 08/05/2019 03:57 PM |                                   |
| 4108 | Cellular Network Infrastructure | Bug     | New    | Low      | osmo-ctrl2cgi, osmo-trap2cgi: missing default configs                                      |          | 07/16/2019 12:30 PM | Related to #4108                  |
| 4069 | Cellular Network Infrastructure | Bug     | New    | Low      | Implement IPA PING/PONG mechanism everywhere   | osmith   | 02/06/2021 02:27 PM | Related to #4072                  |
| 3694 | Cellular Network Infrastructure | Bug     | New    | Low      | Fix lintian warnings in .deb packages  |          | 07/18/2019 05:20 AM | Related to #3699                  |
| 3567 | Cellular Network Infrastructure | Bug     | New    | Low      | coverity: move the secret token out of \$HOME/osmo-ci/.../                                 | lynxis   | 07/18/2019 05:22 AM |                                   |
| 3417 | Cellular Network Infrastructure | Bug     | New    | Normal   | show asciidoc counters does not show all the counters available                            | osmith   | 12/01/2019 09:28 AM | Related to #3417,Related to #4848 |
| 3382 | Cellular Network Infrastructure | Bug     | New    | Low      | Investigate and fix lintian issues listed by Debian Lintian Report                         | osmith   | 12/01/2019 09:27 AM |                                   |
| 3192 | Cellular Network Infrastructure | Bug     | New    | Low      | meas_vis: use the lchan identity as primary key, not the IMSI                              | laforge  | 12/01/2019 09:20 AM | Related to #3192,Related to #3192 |
| 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                  |
| 2839 | Cellular Network Infrastructure | Bug     | New    | Low      | statistics split between 2G and 3G   |          | 07/18/2019 05:22 AM |                                   |
| 1612 | Cellular Network Infrastructure | Bug     | New    | Low      | more configuration consistency checking  |          | 09/30/2018 11:48 AM |                                   |
| 6242 | Core testing infrastructure     | Feature | New    | Normal   | Test eUPF against ttcn3-upf-test setup   |          | 12/18/2023 11:33 AM |                                   |
| 5762 | Core testing infrastructure     | Feature | New    | Normal   | Develop TTCN-3 test suite for PGW  |          | 11/10/2022 06:38 PM |                                   |
| 5761 | Core testing infrastructure     | Feature | New    | Normal   | Develop TTCN-3 test suite for SGW  |          | 11/09/2022 09:49 PM |                                   |

| #    | Project                                      | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|--|---------|--------|----------|---|----------|---------------------|------------------|
| 5323 | Core testing infrastructure                  | Feature | New    | Normal   | Add docker image containing titan.core master   |          | 12/15/2021 04:43 PM | Related to #6187 |
| 5128 | Core testing infrastructure                  | Feature | New    | Low      | dec_RlcmacDlCtrlBlock: Get rid of annoying warning about remaining padding  |          | 12/09/2021 09:14 PM |                  |
| 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 |
| 4458 | Core testing infrastructure                  | Feature | New    | Low      | Set up a STF (Smartphone Testing Farm)  |          | 03/18/2020 02:44 PM |                  |
| 6185 | Core testing infrastructure                  | Bug     | New    | Normal   | Submit titan.ProtocolEmulations.SCCP patch upstream   | neels    | 09/20/2023 06:22 PM |                  |
| 6029 | Core testing infrastructure                  | Bug     | New    | Normal   | Single TTCN3 BSC handover test fails  |          | 10/18/2023 05:31 PM |                  |
| 5919 | Core testing infrastructure                  | Bug     | New    | Low      | osmo-python-tests: Update/fix README or setup process   | osmith   | 03/20/2023 10:17 AM |                  |
| 5011 | Core testing infrastructure                  | Bug     | New    | Normal   | Warning about unrecognized escape sequence in Osmocom_CTRL_Types  |          | 02/05/2021 11:21 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 |                  |
| 4308 | Distributed GSM                              | Support | New    | High     | thoughts about incorporating credit / billing in D-GSM  |          | 12/04/2019 04:08 PM |                  |
| 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 |
| 4705 | Distributed GSM                              | Bug     | New    | Normal   | osmo-hlr user manual: explain the mslookup domain suffix "mdns.osmocom.org", it has no mention in the user manual |          | 08/13/2020 12:54 AM |                  |
| 6434 | E1/T1 Hardware Interface (including icE1usb) | Support | New    | Normal   | D-channel do not recover after underrun   |          | 04/27/2024 09:03 PM |                  |
| 5710 | E1/T1 Hardware Interface (including icE1usb) | Feature | New    | Normal   | rs422: Merge as much of the gateway in master as possible   | tnt      | 10/13/2022 06:53 PM | Related to #5710 |
| 5709 | E1/T1 Hardware Interface (including icE1usb) | Feature | New    | Normal   | rs422: Merge as much of the firmware into master to avoid separate branch   | tnt      | 10/13/2022 06:49 PM | Related to #5709 |
| 6415 | E1/T1 Hardware Interface (including icE1usb) | Bug     | New    | Low      | osmo_panic after truncated packet   | laforge  | 03/22/2024 06:54 PM |                  |
| 5708 | E1/T1 Hardware Interface (including icE1usb) | Bug     | New    | Normal   | rs422: Support runtime re-init of the GPS receiver  | tnt      | 10/13/2022 06:46 PM | Related to #5708 |
| 5307 | Ericsson RBS 6xxx                            | Feature | New    | Normal   | Support for Multiple Sectors at an RBS site.  |          | 11/13/2021 08:20 PM |                  |
| 5571 | Ericsson RBS 6xxx                            | Bug     | New    | High     | DUG can come up, but with Avail: "Power Off"  | dexter   | 11/08/2022 05:10 PM |                  |

| #    | Project         | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues |
|------|-----------------|---------|--------|----------|---|----------|---------------------|----------------|
| 5378 | erlang/osmo_ss7 | Bug     | New    | Normal   | ipa: add support for client application   | laforge  | 01/05/2022 08:36 PM |                |
| 2805 | FidoNet         | Bug     | New    | Low      | Create reproducible / semi-automatic way to create FidoNet node on Linux              |          | 07/18/2019 05:34 AM |                |
| 3819 | gr-osmosdr      | Support | New    | Urgent   | OSMO SDR blocks for GNUradio  |          | 02/28/2019 06:00 PM |                |
| 3512 | gr-osmosdr      | Support | New    | Normal   | Bug #3462 on Arch Linux; gr-osmosdr install fails                                     | horiz0n  | 01/26/2019 06:10 PM |                |
| 5808 | gr-osmosdr      | Feature | New    | Normal   | New option, for selecting an input channel of a soapy_source_c                        |          | 12/05/2022 11:45 AM |                |
| 3802 | gr-osmosdr      | Feature | New    | Normal   | New release   | horiz0n  | 02/15/2019 07:22 AM |                |
| 3597 | gr-osmosdr      | Feature | New    | Low      | rtl: send final samples when device is lost   | horiz0n  | 07/18/2019 05:35 AM |                |
| 3596 | gr-osmosdr      | Feature | New    | Normal   | TX Tags   |          | 09/25/2018 04:01 PM |                |
| 3595 | gr-osmosdr      | Feature | New    | Normal   | RX Tags   |          | 09/25/2018 04:01 PM |                |
| 3594 | gr-osmosdr      | Feature | New    | Normal   | Message Commands  |          | 09/25/2018 03:59 PM |                |
| 3414 | gr-osmosdr      | Feature | New    | Normal   | Include Airspy serial number in connection string.                                    | horiz0n  | 07/24/2018 04:52 AM |                |
| 6443 | gr-osmosdr      | Bug     | New    | Normal   | RF gain: erroneously using 14   | horiz0n  | 04/27/2024 06:21 PM |                |
| 5731 | gr-osmosdr      | Bug     | New    | High     | Install gr-osmosdr on Ubuntu 20.04  |          | 10/27/2022 01:39 PM |                |
| 5460 | gr-osmosdr      | Bug     | New    | Normal   | Please use double for ppm with fcdp/pp  |          | 02/17/2022 10:43 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 |                |
| 5445 | gr-osmosdr      | Bug     | New    | Normal   | Please switch to the gr-funcube   |          | 02/15/2022 11:56 PM |                |
| 5425 | gr-osmosdr      | Bug     | New    | High     | Problem receiving samples using dual receivers with BladeRF                           |          | 01/29/2022 04:22 AM |                |
| 5352 | gr-osmosdr      | Bug     | New    | Normal   | ImportError: generic_type: type "sink" referenced unknown base type "gr::hier_block2" |          | 12/11/2021 08:19 AM |                |
| 5298 | gr-osmosdr      | Bug     | New    | Normal   | object has no attribute 'pyqwidget' on arch linux                                     |          | 11/09/2021 01:25 AM |                |
| 5218 | gr-osmosdr      | Bug     | New    | Normal   | compilation fails: "no matching function for call to fcd_source_c::connect"           |          | 09/05/2021 10:58 PM |                |
| 5144 | gr-osmosdr      | Bug     | New    | High     | Support multiple Airspy devices   | horiz0n  | 10/21/2023 07:22 PM |                |
| 5008 | gr-osmosdr      | Bug     | New    | Normal   | Quoted whitespace parsing problem in source_impl::source_impl                         |          | 02/04/2021 02:16 AM |                |
| 4950 | gr-osmosdr      | Bug     | New    | Normal   | gr-osmosdr doesn't find iqbalance during build  |          | 02/22/2021 02:46 AM |                |
| 4942 | gr-osmosdr      | Bug     | New    | Normal   | XTRX: Unable to compile due to error  | RFNOD    | 01/12/2021 08:29 PM |                |
| 4484 | gr-osmosdr      | Bug     | New    | Normal   | CMakeFiles.txt  |          | 04/06/2020 05:19 PM |                |
| 4359 | gr-osmosdr      | Bug     | New    | Normal   | Compiling from Git Bramcj gr3.8 fails   |          | 01/12/2020 05:08 PM |                |
| 4325 | gr-osmosdr      | Bug     | New    | Normal   | can't open hackrf_sink with device index  |          | 12/13/2019 09:18 AM |                |
| 4098 | gr-osmosdr      | Bug     | New    | Normal   | [BladeRF micro] Arguments set in osmocom Sink and Source are not passed to libbladerf | horiz0n  | 07/18/2019 05:35 AM |                |

| #    | Project                | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues            |
|------|------------------------|---------|--------|----------|--|----------|---------------------|---------------------------|
| 3882 | gr-osmosdr             | Bug     | New    | Normal   | Cannot compile gr-osmosdr!   | horiz0n  | 07/18/2019 05:35 AM |                           |
| 3855 | gr-osmosdr             | Bug     | New    | Normal   | Cannot build gr-osmosdr with Gnuradio 3.8  | horiz0n  | 07/13/2020 10:05 PM |                           |
| 3734 | gr-osmosdr             | Bug     | New    | High     | Cannot compile gr-osmocom  |          | 12/16/2018 12:22 AM |                           |
| 3663 | gr-osmosdr             | Bug     | New    | Normal   | Can't compile gr-osmosdr on macOS Mojave   |          | 10/19/2018 02:37 PM |                           |
| 3593 | gr-osmosdr             | Bug     | New    | Low      | rtl: 'len' argument ignored in librtlsdr callback  | horiz0n  | 07/18/2019 05:35 AM |                           |
| 3592 | gr-osmosdr             | Bug     | New    | Normal   | rtl: Race Conditions   | horiz0n  | 07/18/2019 05:35 AM |                           |
| 3462 | gr-osmosdr             | Bug     | New    | Normal   | gr-osmosdr installation bladerf conversion errors  | horiz0n  | 07/18/2019 05:35 AM |                           |
| 3240 | gr-osmosdr             | Bug     | New    | Normal   | Expose airspy gain setting in gr-osmosdr block   |          | 06/03/2018 12:08 PM |                           |
| 2824 | gr-osmosdr             | Bug     | New    | High     | Corrupted double-linked for Raspbian Stretch when running osmocomb_fft (and any other program using osmosdr.source |          | 06/03/2018 12:08 PM |                           |
| 2216 | gr-osmosdr             | Bug     | New    | Normal   | uhd: LO offset doesn't seem to work properly   |          | 06/03/2018 12:08 PM |                           |
| 3398 | GSM Audio Pocket Knife | Bug     | New    | Low      | build: configure fails if (optional) libalsa wasn't found  | fixeria  | 12/01/2019 10:08 AM |                           |
| 4495 | IMSI Pseudonymization  | Feature | New    | Normal   | Specification: More references   | neels    | 05/27/2020 01:11 PM |                           |
| 4494 | IMSI Pseudonymization  | Feature | New    | Normal   | Specification: Add bibliography  | neels    | 05/27/2020 01:11 PM |                           |
| 4493 | IMSI Pseudonymization  | Feature | New    | Normal   | Specification: Cover 2G, 3G and 4G separately  | neels    | 05/27/2020 01:11 PM |                           |
| 4490 | IMSI Pseudonymization  | Feature | New    | Normal   | Specification: how would IMSI-pseudo interact within a combined (2G-4G)+5G network?                                |          | 04/16/2020 08:44 AM |                           |
| 4489 | IMSI Pseudonymization  | Feature | New    | Normal   | Specification: mark mandatory parts / implementation details as such   |          | 04/16/2020 08:44 AM |                           |
| 4486 | IMSI Pseudonymization  | Feature | New    | Normal   | Applet: gracefully handle case where timer is set twice  |          | 04/16/2020 08:45 AM |                           |
| 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 |                           |
| 4479 | IMSI Pseudonymization  | Feature | New    | Normal   | Applet: change IMSI after receiving SMS  |          | 04/16/2020 08:45 AM |                           |
| 4478 | IMSI Pseudonymization  | Feature | New    | Normal   | Applet: proper warning after too many LU with same IMSI  |          | 04/16/2020 08:45 AM | Related to #4478          |
| 4477 | IMSI Pseudonymization  | Feature | New    | Normal   | OsmoHLR: send next pseudo IMSI via SMS   |          | 04/16/2020 08:45 AM | Blocks #4477,Blocks #4477 |
| 4480 | IMSI Pseudonymization  | Bug     | New    | Normal   | Applet/OsmoMSC: fix or workaround for OsmoMSC only paging attached MS  |          | 04/16/2020 08:45 AM | Related to #4480          |
| 4417 | IMSI Pseudonymization  | Bug     | New    | Normal   | Applet: LU counter should only increase on successful location update  |          | 04/16/2020 08:45 AM | Related to #4478          |



| #    | Project                        | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                                 |
|------|--------------------------------|---------|--------|----------|---|----------|---------------------|--|
| 5766 | libosmo-abis                   | Feature | New    | Low      | use Linux kernel KCM for IPA header?  |          | 11/13/2022 08:15 AM | Related to #5766                               |
| 4860 | libosmo-abis                   | Feature | New    | Low      | Implement separation of line/TEI/datalinks in E1 pcap                             |          | 11/04/2021 06:31 PM |  |
| 5756 | libosmo-abis                   | Bug     | New    | Normal   | io_uring support in libosmo-abis  |          | 03/20/2024 03:58 PM | Related to #5756,Related to #6357,Blocks #5896 |
| 5356 | libosmo-abis                   | Bug     | New    | Normal   | libosmo-abis: osmo_rtp_socket_connect() not calling connect() on sockets          |          | 12/13/2021 12:50 PM |  |
| 3622 | libosmo-abis                   | Bug     | New    | Normal   | Clear API mess in sign_link_up callback   | pespin   | 10/02/2018 07:34 PM |  |
| 2717 | libosmo-abis                   | Bug     | New    | Low      | libosmo-abis doesn't use ipa_ccm_make_id_resp()                                   |          | 12/06/2017 05:47 PM |  |
| 2571 | libosmo-abis                   | Bug     | New    | Low      | libosmo-abis API documentation missing (doxygen)                                  | osmith   | 02/06/2021 02:27 PM |  |
| 5931 | libosmo-netif                  | Bug     | New    | High     | heap-use-after-free when osmo_stream_srv_destroy() is called inside read_cb()     | daniel   | 03/02/2023 11:03 AM |  |
| 3006 | libosmo-netif                  | Bug     | New    | Low      | Osmux: improvements on lost/dropped RTP packets                                   |          | 09/30/2018 08:34 AM |  |
| 2440 | libosmo-netif                  | Bug     | New    | Normal   | Osmux: Improve lost packet recreation mechanism                                   |          | 12/01/2019 10:11 AM | Blocks #2439                                   |
| 2439 | libosmo-netif                  | Bug     | New    | Normal   | Osmux: overwrite duplicated RTP packets instead of dropping them                  |          | 12/01/2019 10:11 AM | Blocks #2439                                   |
| 5648 | libosmo-pfcp                   | Feature | New    | Normal   | implement common PFCP CPF client VTY config                                       |          | 08/17/2022 03:29 PM | Related to #5648                               |
| 6241 | libosmo-sccp + libosmo-sigtran | Feature | New    | Low      | M3UA "Network Appearance" support   |          | 10/31/2023 03:00 PM | Related to #6241                               |
| 6239 | libosmo-sccp + libosmo-sigtran | Feature | New    | Normal   | finally deprecate libosmo-sccp (headers, static lib)                              |          | 10/31/2023 07:31 PM |  |
| 4635 | libosmo-sccp + libosmo-sigtran | Feature | New    | Normal   | quirks when initializing SS7 ASP  |          | 06/25/2020 04:46 PM | Related to #4635                               |
| 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 |  |
| 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                               |
| 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 |  |
| 2009 | libosmo-sccp + libosmo-sigtran | Feature | New    | Low      | Implement SCCP connection coupling ("proxy")                                      |          | 04/10/2017 12:09 PM |  |
| 2008 | libosmo-sccp + libosmo-sigtran | Feature | New    | Low      | Implement Global Title Translation  |          | 04/10/2017 12:05 PM |  |
| 2007 | libosmo-sccp + libosmo-sigtran | Feature | New    | Low      | Implement GT based routing  |          | 04/10/2017 12:04 PM |  |
| 2006 | libosmo-sccp + libosmo-sigtran | Feature | New    | Low      | Implement M2PA support  |          | 02/10/2024 01:17 PM | Related to #3603                               |

| #    | Project                        | Tracker | Status | Priority | Subject  | Assignee  | Updated             | Related issues                                     |
|------|--------------------------------|---------|--------|----------|--|-----------|---------------------|--|
| 2003 | libosmo-sccp + libosmo-sigtran | Feature | New    | Low      | Implement M2UA support   |           | 04/10/2017 12:01 PM |  |
| 2000 | libosmo-sccp + libosmo-sigtran | Feature | New    | Low      | use m3ua-testtool for the ASP-side verification  |           | 07/18/2019 05:42 AM |  |
| 1688 | libosmo-sccp + libosmo-sigtran | Feature | New    | Low      | SUA: support N-STATE indication primitives for connect and disconnect events                 |           | 04/08/2018 07:59 AM |  |
| 6356 | libosmo-sccp + libosmo-sigtran | Bug     | New    | Normal   | DLGLOBAL ERROR Trying to dispatch event 17 to non-existent FSM instance! (osmo_ss7_as.c:118) | pespin    | 02/08/2024 10:27 PM |  |
| 5899 | libosmo-sccp + libosmo-sigtran | Bug     | New    | Low      | ttn3-sccp-test-latest is actually running code from master, not latest                       | osmith    | 03/20/2023 01:18 PM |  |
| 5561 | libosmo-sccp + libosmo-sigtran | Bug     | New    | Low      | pc=0=0.0.0 / RCOC-ERROR.ind not permitted  |           | 05/23/2023 06:20 AM |  |
| 4925 | libosmo-sccp + libosmo-sigtran | Bug     | New    | Normal   | SCTP multihoming / ABORT between osmo-msc and osmo-stp                                       |           | 01/04/2021 11:32 AM | Related to #4926                                   |
| 4457 | libosmo-sccp + libosmo-sigtran | Bug     | New    | Normal   | editing the SCCP address book (global-title) on a running instance may crash the application |           | 03/17/2020 11:17 PM |  |
| 4072 | libosmo-sccp + libosmo-sigtran | Bug     | New    | Normal   | Implement IPA PING/PONG mechanism in libosmo-sigtran +                                       | Hoernchen | 06/21/2019 02:51 PM | Related to #4072                                   |
| 2259 | libosmo-sccp + libosmo-sigtran | Bug     | New    | Normal   | problem with local reference   | laforge   | 07/19/2017 04:25 PM |  |
| 2013 | libosmo-sccp + libosmo-sigtran | Bug     | New    | Low      | OAP (Osmo Auth Protocol) missing from IPA support in libosmo-sigtran                         | neels     | 09/16/2018 10:35 AM | Related to #1843,Related to #2013,Related to #2554 |
| 2677 | libosmocore                    | Support | New    | Normal   | Make stat_item available over ctrl interface   |           | 09/04/2019 09:21 AM | Related to #2676                                   |
| 6402 | libosmocore                    | Feature | New    | Low      | consider using IORING_RECVSEND_POLL_FIRST for our socket-reads                               |           | 03/14/2024 08:21 AM |  |
| 6401 | libosmocore                    | Feature | New    | Low      | benchmark batching io_uring operations   |           | 03/14/2024 08:10 AM |  |
| 6390 | libosmocore                    | Feature | New    | Low      | port CTRL over to osmo_io / io_uring   |           | 03/02/2024 06:45 PM | Related to #6390                                   |
| 6389 | libosmocore                    | Feature | New    | Low      | port VTY over to osmo_io / io_uring  |           | 03/02/2024 04:55 PM | Related to #6389                                   |
| 6388 | libosmocore                    | Feature | New    | Normal   | stats_reporter via osmo_io / io_uring?   |           | 03/02/2024 04:54 PM | Related to #6388                                   |
| 6344 | libosmocore                    | Feature | New    | Normal   | New TS 24.008 Bearer Capability codec API  |           | 01/24/2024 11:19 PM | Related to #6344                                   |
| 5829 | libosmocore                    | Feature | New    | Low      | log fallback for log_check_level(), log_parse_category()                                     |           | 12/13/2022 10:44 PM |  |
| 5507 | libosmocore                    | Feature | New    | Normal   | Optimize reset time after SGSN is restarted  | lynxis    | 03/31/2022 12:33 PM |  |
| 4591 | libosmocore                    | Feature | New    | Normal   | Export FSM states and statistics with counters   |           | 03/24/2021 12:34 PM |  |
| 4590 | libosmocore                    | Feature | New    | Normal   | Export talloc data as counters for better memory leakage monitoring in production            |           | 09/12/2022 03:53 PM |  |
| 4105 | libosmocore                    | Feature | New    | Normal   | Support for LTE key derivation functions   | laforge   | 07/13/2019 02:07 AM | Related to #4105                                   |

| #    | Project     | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|-------------|---------|--------|----------|---|----------|---------------------|-----------------------------------|
| 4103 | libosmocore | Feature | New    | Low      | TUAK support as per 3GPP TS 35.231  |          | 03/24/2021 12:33 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 |
| 3987 | libosmocore | Feature | New    | Low      | introduce libosmocore_init() to replace individual initialization calls       |          | 05/08/2019 03:03 PM | Related to #3987                  |
| 3845 | libosmocore | Feature | New    | Low      | Unified logging in Gb NS / BSSGP code   |          | 03/16/2019 02:33 PM |                                   |
| 3522 | libosmocore | Feature | New    | Low      | libosmocoding: move TCH ordering functions to libosmocore and share them      | fixeria  | 09/04/2018 08:49 PM |                                   |
| 3521 | libosmocore | Feature | New    | Normal   | core/utls: engineering notation helpers                                       | fixeria  | 09/04/2018 08:32 PM |                                   |
| 3309 | libosmocore | Feature | New    | Normal   | osmo_timer_* should use monotonic clock                                       |          | 05/31/2018 03:59 PM | Related to #3309                  |
| 2712 | libosmocore | Feature | New    | Low      | implement reproducible talloc context printout, i.e. without memory addresses |          | 01/08/2020 10:21 PM | Related to #2781                  |
| 2610 | libosmocore | Feature | New    | Low      | optimize GnuTLS fallback  |          | 05/01/2018 04:07 PM | Related to #2610,Related to #3909 |
| 2186 | libosmocore | Feature | New    | Low      | split libosmocrypto   |          | 10/05/2017 06:25 AM |                                   |

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