

## Issues

| #    | Project                      | Tracker | Status  | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|------------------------------|---------|---------|----------|--|----------|---------------------|--|
| 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   |
| 1627 | OsmocomBB                    | Support | Stalled | Low      | DCS_8BIT and DCS_UCS2 encoding supprot   |          | 07/16/2018 06:53 PM |  |
| 2622 | OsmoBSC                      | Support | Stalled | High     | Prepare automatic interop testing of OmsoBSC against NG40 core simulator + osmo-bts-virtual + mobile |          | 09/04/2019 09:18 AM | Related to #2478,Related to #2558,Related to #2555                                   |
| 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   |
| 3863 | OsmoBTS                      | Support | Stalled | Normal   | setup testing of osmo-bts-oc2g on real hardware with ttcn3 and osmocon/osmocom-bb                    |          | 12/01/2019 10:52 AM |  |
| 4534 | Ericsson RBS 6xxx            | Support | Stalled | Normal   | Take pictures of RBS6k gear for documentation  | roh      | 05/20/2020 03:19 PM |  |
| 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 |
| 2409 | OsmocomBB                    | Feature | Stalled | High     | Add GPRS support to virt_phy and L1CTL   | fixeria  | 08/19/2022 03:06 PM |  |
| 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                          |
| 6394 | OsmoUPF                      | Feature | Stalled | Low      | Basic URR (Usage Reporting Rule) support for tunnel mapping  |          | 03/22/2024 08:08 AM | Related to #6395   |
| 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                      |
| 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 |  |
| 5760 | Core testing infrastructure  | Feature | Stalled | Normal   | Develop TTCN-3 test suite for MME  | dexter   | 10/04/2023 01:51 PM |  |
| 1912 | SIMtrace 2                   | Feature | Stalled | Low      | do proper re-layout of the board   | mschramm | 10/20/2020 08:39 AM | Related to #4118   |
| 1823 | OsmoPCU                      | Feature | Stalled | Low      | Ericsson PCU TRAU frame encoding/decoding  |          | 09/04/2019 09:26 AM | Related to #5198   |
| 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  |
| 5691 | libosmo-abis                 | Feature | Stalled | Normal   | Expose DAHDI statistics to prometheus  | laforge  | 01/05/2023 06:06 PM |  |

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|------|---------------------------------|---------|---------|----------|--|----------|---------------------|--|
| 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                                     |
| 1597 | OsmoMSC                         | Feature | Stalled | Low      | External interface for USSD  | fixeria  | 11/27/2018 11:08 PM | Related to #1597, Related to #3433   |
| 4692 | Core testing infrastructure     | Feature | Stalled | Normal   | finally implement testing of the actual voice audio path                         | laforge  | 04/19/2021 06:27 PM |  |
| 4522 | osmo-gbproxy                    | Feature | Stalled | High     | gbproxy: Redundancy within proxy pair  | daniel   | 07/09/2021 06:43 PM |  |
| 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   |
| 2604 | Cellular Network Infrastructure | Feature | Stalled | High     | GSUP-to-DIAMETER converter / IWF   | laforge  | 02/29/2020 11:27 AM | Related to #5646   |
| 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 |
| 2542 | OsmoHLR                         | Feature | Stalled | Low      | have subscriber create-on-demand   | osmith   | 03/10/2022 03:40 PM | Related to #2541, Related to #5183   |
| 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   |
| 3620 | OsmoMSC                         | Feature | Stalled | Normal   | Implement TTCN-3 testsuite for Inter-MSC HO                                      | neels    | 09/04/2019 09:08 AM |  |
| 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   |
| 5276 | SIMtrace 2                      | Feature | Stalled | Normal   | jenkins CI integration like for osmo-ccid-firmware                               | roh      | 11/14/2022 05:24 PM | Related to #5422   |
| 4384 | pySim                           | Feature | Stalled | Normal   | Jenkins program-read verification on daily (or weekly) basis                     | dexter   | 03/27/2023 04:13 PM | Related to #4384   |
| 1655 | OsmoSGSN                        | Feature | Stalled | Normal   | KPIs for OsmoSGSN  |          | 01/08/2020 10:49 PM | Related to #1652, Related to #1655, Related to #1655   |

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| 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   |
| 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   |
| 3699 | Cellular Network Infrastructure       | Feature | Stalled | Low      | merge Debian patches  | Hoernchen | 01/08/2020 10:24 PM | Related to #3699, Related to #3753   |
| 3399 | OsmocomBB                             | Feature | Stalled | High     | mobile: refactor / finish external MNCC handler implementation      | fixeria   | 10/04/2018 09:07 PM |  |
| 5434 | OCTOI - Osmocom Community TDM over IP | Feature | Stalled | Normal   | more statistics / counters  |           | 12/03/2023 11:17 AM |  |
| 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   |
| 5502 | OsmocomBB                             | Feature | Stalled | Normal   | MS-side LLC implementation  | pespin    | 09/14/2023 03:59 PM | Related to #5502, Related to #5502   |
| 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 |
| 2197 | OsmoGSMTester                         | Feature | Stalled | Normal   | osmo-gsm-tester: use MNCC interface                                 |           | 11/30/2017 10:41 AM | Related to #2194, Is duplicate of #2197  |
| 4362 | OsmoTRX                               | Feature | Stalled | Normal   | osmo-trx-lms: Support multi-arfcn feature                           |           | 09/30/2020 08:09 PM | Related to #4362, Related to #4362   |
| 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   |

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| 2977 | OsmoBTS                               | Feature | Stalled | Normal   | OsmoBTS measurement 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 |
| 4476 | IMSI Pseudonymization                 | Feature | Stalled | Normal   | OsmoHLR: support IMSI pseudo in location update   | neels    | 05/27/2020 01:11 PM | Blocks #4477   |
| 3566 | Misc Hardware Projects                | Feature | Stalled | Normal   | power supply / battery / charge for our GSM-R OPS 940                                   | laforge  | 04/02/2023 09:05 AM |  |
| 3423 | OsmocomBB SDR PHY                     | Feature | Stalled | Normal   | Receiver: hard-coded GSM 05.02 channel configuration                                    |          | 07/09/2023 07:45 PM |  |
| 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   |
| 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   |
| 5826 | SIMtrace 2                            | Feature | Stalled | Normal   | SAM4S4BA support in firmware  | laforge  | 01/31/2023 08:06 PM | Related to #5826   |
| 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   |
| 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   |
| 1587 | OsmoSGSN                              | Feature | Stalled | Normal   | SMS over GPRS support   |          | 11/25/2018 08:14 PM | Related to #3587   |
| 3445 | OsmoMSC                               | Feature | Stalled | Normal   | SS/USSD: clean up the local GSM 04.80 API   |          | 12/14/2018 01:57 PM |  |
| 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   |
| 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   |
| 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   |
| 6023 | Core testing infrastructure           | Feature | Stalled | Normal   | test rack/lab power management software with usage/reference counting                   | laforge  | 10/18/2023 05:42 PM |  |

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| 3424 | OsmocomBB SDR PHY                     | Feature | Stalled | Normal   | Transceiver: implement automatic TX delay measurement                             |           | 07/09/2023 07:46 PM |  |
| 4006 | Cellular Network Infrastructure       | Feature | Stalled | Normal   | TRX protocol: wind of change  | fixeria   | 10/27/2021 10:22 PM | Related to #4006, Related to #4006, Related to #4081, Related to #4658, Related to #4941, Related to #5283 |
| 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   |
| 4940 | OsmoBSC                               | Feature | Stalled | High     | VAMOS support in OsmoBSC  | neels     | 08/11/2021 02:47 PM | Related to #4941   |
| 4941 | OsmoBTS                               | Feature | Stalled | Normal   | VAMOS support in OsmoBTS  | fixeria   | 03/18/2022 01:19 AM | Related to #4941, Related to #4941, Blocks #4941   |
| 4857 | osmo-clock-gen                        | Bug     | Stalled | Normal   | FLV9001IDBVR no longer in stock ag digikey  | mschramm  | 04/10/2021 10:22 PM |  |
| 4614 | OsmoBSC                               | Bug     | Stalled | Low      | "bogus channel load sample" when using BS-11, Nokia or Ericsson BTS               | laforge   | 02/13/2021 05:34 PM |  |
| 2851 | OsmoMSC                               | Bug     | Stalled | Normal   | a_iface.c:534 Unhandled SIGTRAN primitive: 3:2                                    |           | 07/18/2019 05:45 AM |  |
| 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 |  |
| 3458 | OsmocomBB SDR PHY                     | Bug     | Stalled | Normal   | apps/grgsm_trx: [ERROR] [STREAMER] recv packet demuxer unexpected sid 0xXX        |           | 07/09/2023 07:48 PM | Related to #3692   |
| 3459 | OsmocomBB SDR PHY                     | Bug     | Stalled | Normal   | apps/grgsm_trx: AssertionError: packet_info.packet_count == (seq_to_ack & 0xffff) |           | 07/09/2023 07:48 PM |  |
| 5694 | OCTOI - Osmocom Community TDM over IP | Bug     | Stalled | Normal   | BERT testing  | laforge   | 12/31/2022 08:24 PM |  |
| 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                   |
| 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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| 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 |
| 3735 | OsmoMSC                     | Bug     | Stalled | Normal   | call arriving during another call has no voice                                  | neels    | 06/18/2019 09:18 PM |                                   |
| 5419 | SIMtrace 2                  | Bug     | Stalled | High     | cardem errors with higher baud rate   | laforge  | 11/07/2022 06:22 PM |                                   |
| 3568 | OsmoBTS                     | Bug     | Stalled | High     | CBCH on SDCCH/8 not working for osmo-bts-sysmo                                  | laforge  | 01/14/2019 03:29 PM |                                   |
| 4867 | OsmoPCU                     | Bug     | Stalled | Normal   | Cinterion BGS2T failing to attach (no Attach Complete ever sent)                | pespin   | 11/30/2020 09:48 AM |                                   |
| 1671 | OsmoNITB                    | Bug     | Stalled | Low      | Combined 850/1800 NITB not seen by Option Icon2 stick                           |          | 03/05/2018 07:35 PM |                                   |
| 5308 | OsmoBSC                     | Bug     | Stalled | Normal   | confusion around mgw e1 line vs trunk dichotomy                                 | dexter   | 12/13/2021 03:52 PM |                                   |
| 6317 | pySim                       | Bug     | Stalled | Normal   | data driven tests for TLV decoders  | laforge  | 02/15/2024 09:21 PM |                                   |
| 3379 | SIMtrace 2                  | Bug     | Stalled | High     | documentation on how to use SIMtrace2   | laforge  | 11/14/2022 05:31 PM | Related to #3379                  |
| 4771 | OsmoBTS                     | Bug     | Stalled | High     | Don't log NOTICE messages on missing uplink bursts                              | fixeria  | 11/16/2021 03:05 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 |                                   |
| 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 |
| 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                  |
| 2514 | GSM Audio Pocket Knife      | Bug     | Stalled | Normal   | GSM HR encoding result does not match the reference                             | fixeria  | 04/03/2019 08:37 AM |                                   |
| 4070 | OsmoBSC                     | Bug     | Stalled | Normal   | Implement IPA PING/PONG mechanism on RSL and OML                                | osmith   | 09/30/2020 08:13 PM | Related to #5785                  |
| 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 |                                   |
| 1725 | OsmoNITB                    | Bug     | Stalled | Low      | iPhone6 network selection issue with GSM1900                                    |          | 03/05/2018 07:35 PM |                                   |
| 4383 | pySim                       | Bug     | Stalled | High     | Jenkins build verification is non-deterministic                                 | dexter   | 04/06/2021 04:58 PM | Related to #4384,Related to #5127 |
| 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 |
| 4452 | OsmoPCU                     | Bug     | Stalled | Normal   | manual testing of osmo-pcu  |          | 07/28/2023 02:48 PM |                                   |
| 4023 | OsmoBTS                     | Bug     | Stalled | Normal   | Missing coverage of PCU interface in osmo-bts                                   |          | 03/21/2023 01:07 PM | Related to #4023                  |
| 3926 | OsmoPCU                     | Bug     | Stalled | High     | Missing PCU_Tests.ttcn DL TBF tests   | pespin   | 03/01/2021 11:06 AM |                                   |
| 3928 | OsmoPCU                     | Bug     | Stalled | High     | Missing PCU_Tests.ttcn for various timers / time-outs                           | pespin   | 11/15/2021 05:46 PM | Related to #5033                  |

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| 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             |
| 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 |  |
| 5693 | OCTOI - Osmocom Community TDM over IP | Bug     | Stalled | Normal   | no progress tones in yate  |           | 12/03/2023 11:10 AM |  |
| 1838 | OsmoPCU                               | Bug     | Stalled | Normal   | Nokia E52 doest reply to PUAN message properly   |           | 10/29/2017 06:47 PM |  |
| 2807 | Z-Netz                                | Bug     | Stalled | Normal   | Obtain ZERBERUS software build[s] and manual[s]  | laforge   | 01/01/2020 01:51 PM |  |
| 4542 | OsmoGSMTester                         | Bug     | Stalled | Normal   | ofono: crash in drivers/qmimodem/gprs.c:extract_ss_info()  | pespin    | 07/30/2021 10:30 AM |  |
| 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                                   |
| 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                                   |
| 4592 | OsmoBTS                               | Bug     | Stalled | Low      | osmo-bts-trx: make sure that handover detection works  | fixeria   | 06/21/2020 03:10 PM | Related to #4592   |
| 2979 | OsmoBTS                               | Bug     | Stalled | Low      | osmo-bts-virtual reports bogus measurement values  | laforge   | 07/18/2019 06:06 AM |  |
| 4131 | Cellular Network Infrastructure       | Bug     | Stalled | Low      | osmo-gsm-manuals: Use leveloffset attribute on common documents  | osmith    | 12/01/2019 09:48 AM | Related to #4140   |
| 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   |
| 4947 | OsmoPCU                               | Bug     | Stalled | Normal   | osmo-pcu: Handling for Pkt Resource Req using Global TFI not implemented                                       | pespin    | 12/22/2022 01:04 PM |  |
| 4409 | osmo-remsim                           | Bug     | Stalled | Low      | osmo-remsim-client-st2 (or firmware?) gets stuck on PTS  | Hoernchen | 02/06/2021 08:55 AM |  |
| 5578 | SIMtrace 2                            | Bug     | Stalled | Low      | osmo-remsim-client-st2 hangs after usb-reset without power loss on qmod  | laforge   | 01/31/2023 08:25 PM | Related to #5921   |
| 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 |

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| 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     |
| 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                       |
| 3806 | OsmoBSC                     | Bug     | Stalled | Normal   | OsmoBSC accepts BSSAP with wrong length field  |           | 08/28/2020 08:15 PM | Related to #3806                                     |
| 4829 | OsmocomBB                   | Bug     | Stalled | High     | OsmocomBB Rx bit errors in dedicated mode  | laforge   | 02/06/2021 09:11 AM | Related to #4832                                     |
| 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                                     |
| 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 |
| 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                   |
| 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             |
| 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 |  |
| 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 |  |
| 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                   |
| 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 |  |
| 5696 | OsmoPCU                     | Bug     | Stalled | Normal   | RLC/MAC: poll timeout when assigning a multi-slot DL TBF                               | fixeria   | 10/05/2022 11:01 AM |  |
| 5301 | Core testing infrastructure | Bug     | Stalled | Normal   | Run TTCN3 docker tests with sanitizer enabled  | osmith    | 03/20/2024 09:28 AM | Related to #5302                                     |
| 5568 | OsmoMSC                     | Bug     | Stalled | Low      | SMPP socket doesn't use TCP_NODELAY  | osmith    | 10/31/2023 09:36 AM |  |
| 3569 | OsmoBTS                     | Bug     | Stalled | Normal   | Some phones don't receive SMS CB   | laforge   | 01/14/2019 03:32 PM |  |
| 3717 | OsmoHLR                     | Bug     | Stalled | High     | SS/USSD: fix SS session inactivity timeout   | fixeria   | 12/05/2018 08:45 PM |  |
| 3812 | libosmo-netif               | Bug     | Stalled | Normal   | stream_test fails depending on where it is run   |           | 03/13/2019 04:15 PM |  |



| #    | Project                         | Tracker | Status   | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|---------------------------------|---------|----------|----------|---|----------|---------------------|--|
| 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 |
| 4822 | osmo-ccid-firmware              | Bug     | Stalled  | Low      | sysmoOCTSIM with osmo-ccid-firmware sometimes fails to enumerate on USB                               |          | 11/05/2021 05:19 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          |
| 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                           |
| 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   |
| 6352 | Cellular Network Infrastructure | Bug     | Stalled  | Low      | ttcn3-bts-test[-latest] is broken since Feb 1st / docker and multicast                                | osmith   | 03/06/2024 03:57 PM |  |
| 4576 | Core testing infrastructure     | Bug     | Stalled  | High     | ttcn3-hlr-tests need to route multicast traffic between ttcn3-hlr-test and osmo-hlr-master containers | neels    | 10/28/2020 09:48 PM |  |
| 6411 | Cellular Network Infrastructure | Bug     | Stalled  | Normal   | ttcn3: execute testsuites with a more realistic link performance                                      |          | 04/03/2024 06:25 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 |  |
| 4916 | osmo-e1d                        | Bug     | Stalled  | High     | USB unplug / replugin renders e1d unusable  | laforge  | 12/04/2023 12:34 PM | Related to #5983   |
| 1768 | OsmoSGSN                        | Bug     | Stalled  | Low      | VTY show llc displays State TLLI Unassigned permanently   |          | 01/08/2020 10:52 PM |  |
| 5527 | osmo-remsim                     | Bug     | Stalled  | High     | warn on duplicate client (id) connections   | laforge  | 07/13/2022 01:25 PM | Related to #5527   |
| 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  |
| 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  |
| 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                           |
| 6153 | OsmoHNodeB                      | Support | Feedback | Normal   | List of supported FemtoCell   | Kira     | 08/28/2023 02:24 PM |  |

| #    | Project                                      | Tracker | Status   | Priority | Subject   | Assignee  | Updated             | Related issues   |
|------|--|---------|----------|----------|---|-----------|---------------------|--|
| 6416 | E1/T1 Hardware Interface (including icE1usb) | Support | Feedback | Normal   | Serial debug tty port speed   | pfassberg | 05/01/2024 07:13 AM |  |
| 4727 | libosmocore                                  | Feature | Feedback | Normal   | Add more distro/platform/archs to jenkins CI  | laforge   | 05/15/2023 09:48 AM | Is duplicate of #4789  |
| 5503 | OsmocomBB                                    | Feature | Feedback | Normal   | expose GPRS user plane via tun device   | pespin    | 08/28/2023 10:38 PM | Related to #6115   |
| 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 |
| 5757 | OsmoDia2GSUP                                 | Feature | Feedback | Normal   | functional test suite for osmo_dia2gsup   | lynxis    | 09/06/2023 02:48 PM |  |
| 6224 | Retronetworking                              | Feature | Feedback | Normal   | how to document the rescued EWSD  |           | 10/18/2023 04:51 PM |  |
| 5917 | libosmo-sccp + libosmo-sigtran               | Feature | Feedback | Normal   | immediately detect SCTP SHUTDOWN in SCCP link / in SCCP user / in active SCCP connections | neels     | 03/20/2023 10:23 AM |  |
| 6089 | pySim  | Feature | Feedback | Normal   | log the current file / operation during execution of a script                             | laforge   | 11/27/2023 04:37 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                                     |
| 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   |
| 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 |  |
| 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 |  |
| 4403 | IMSI Pseudonymization                        | Feature | Feedback | Normal   | OsmoHLR: How to interface with SMS service?   |           | 04/16/2020 08:45 AM | Blocks #4477   |
| 1533 | OsmoPCU                                      | Feature | Feedback | Low      | Separate the window handling from the TBF more clearly                                    | zecke     | 07/21/2017 02:46 PM | Related to #1533   |
| 5600 | SIMtrace 2                                   | Feature | Feedback | Normal   | SIMtrace2 fails to emulate EMV cards  | boggy123  | 12/14/2022 01:07 PM |  |
| 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 |  |
| 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 |

| #    | 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 |  |
| 4700 | libosmocore                                    | Bug     | Feedback | Normal   | 'socket' C test fails when there is no IPv6  | neels     | 03/24/2021 12:33 PM |  |
| 6197 | OsmoSGSN                                       | Bug     | Feedback | Low      | "Cannot handle SM for unknown MM CTX"  | fixeria   | 03/10/2024 06:23 PM |  |
| 6207 | OsmoMSC  | Bug     | Feedback | Low      | "MO SMS without prior CM Service Request" for every SMS in 4G                              | dexter    | 02/13/2024 12:26 AM | Related to #6358                                   |
| 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 |
| 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 |  |
| 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 |  |
| 5809 | Cellular Network Infrastructure                | Bug     | Feedback | Normal   | applications disrespect potentially VTY-configured tcp/telnet port                         | osmith    | 10/31/2023 09:34 AM |  |
| 1990 | OsmocomBB                                      | Bug     | Feedback | Normal   | bb nand flash  | yangkkokk | 07/10/2017 10:22 PM |  |
| 6217 | OsmoMSC  | Bug     | Feedback | Normal   | Bearer Capability mismatch in MT SETUP   | neels     | 10/10/2023 10:17 PM |  |
| 5171 | OsmocomBB                                      | Bug     | Feedback | Normal   | ccch_scan failed   | thor123   | 06/09/2021 12:06 AM |  |
| 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 |
| 5982 | OsmoBSC  | Bug     | Feedback | Low      | conn->fi is NULL in gscon_bssmap_clear()   | neels     | 04/11/2023 02:25 PM |  |
| 5368 | libosmo-netif                                  | Bug     | Feedback | Low      | consider using SCTP_EVENT instead of SCTP_EVENTS   |           | 12/23/2021 09:09 AM | Related to #5368,Related to #5368                  |
| 5657 | OsmoDia2GSUP                                   | Bug     | Feedback | Normal   | dia2gsup not (re-)connecting to HLR if osmo-hlr is down                                    | lynxis    | 11/11/2023 06:20 PM |  |
| 4844 | OsmoPCU  | Bug     | Feedback | Normal   | do not resent DL assignment on RACH  | lynxis    | 07/28/2023 02:44 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 |  |
| 5685 | Cellular Network Infrastructure                | Bug     | Feedback | Normal   | Dropping debian 10 (buster)  | osmith    | 04/04/2023 10:10 AM | Related to #5685,Related to #5685                  |
| 4167 | OsmoMSC  | Bug     | Feedback | Normal   | Event VLR_ULA_E_ID_IMEISV not permitted  | osmith    | 09/04/2019 08:13 PM |  |
| 6349 | Cellular Network Infrastructure                | Bug     | Feedback | Normal   | example configs missing in release tarballs  | fixeria   | 01/29/2024 04:04 PM |  |

| #    | Project                                      | Tracker | Status   | Priority | Subject   | Assignee  | Updated             | Related issues                                     |
|------|--|---------|----------|----------|---|-----------|---------------------|--|
| 4798 | OsmocomBB                                    | Bug     | Feedback | Low      | fake_trx send TRXC responses from wrong source address                            | fixeria   | 04/30/2021 03:37 AM |  |
| 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                  |
| 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                                   |
| 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                                   |
| 5241 | OsmoGGSN (former OpenGGSN)                   | Bug     | Feedback | Low      | GTP: Malformed Packet pdp ctx response.   | lynxis    | 03/23/2022 05:31 PM |  |
| 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                  |
| 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 |
| 6377 | erlang/osmo_ss7                              | Bug     | Feedback | Normal   | ipa: Failure decoding ipa frames split between several tcp packets                | pespin    | 02/28/2024 03:00 PM |  |
| 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 |  |
| 6422 | OsmoBSC                                      | Bug     | Feedback | Normal   | latest: BSC_Tests.TC_ctrl_location started fo fail on March 15th                  | fixeria   | 04/02/2024 06:56 PM |  |
| 5896 | libosmo-abis                                 | Bug     | Feedback | Normal   | libosmo-abis built withtout --enable-e1d in deb and rpm packages                  | laforge   | 02/07/2023 11:40 AM | Blocks #5896                                       |
| 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                                   |
| 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 |  |
| 5824 | osmo-e1d                                     | Bug     | Feedback | Normal   | Line dead message in the log after start  | laforge   | 12/25/2023 01:43 PM |  |
| 6162 | libosmocore                                  | Bug     | Feedback | Normal   | master build failure with clang-16  | Hoernchen | 11/18/2023 09:17 AM |  |
| 1640 | OsmoPCU                                      | Bug     | Feedback | Low      | Missing release field/length in MS RA capability container                        |           | 10/20/2020 09:19 AM |  |
| 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 |  |
| 4968 | osmo-gbproxy                                 | Bug     | Feedback | Normal   | Multiple TTCN3 tests only expect one SGSN   | daniel    | 12/09/2021 09:17 PM | Related to #4968                                   |
| 5639 | SIMtrace 2                                   | Bug     | Feedback | Normal   | No packet captured but only "Card state change:"                                  | g1bbs     | 09/20/2023 01:29 PM |  |
| 5208 | libosmocore                                  | Bug     | Feedback | Normal   | ns2: add testcase for SNS Size with invalid tv                                    | lynxis    | 02/12/2023 08:37 PM |  |

| #    | Project  | Tracker | Status   | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|--|---------|----------|----------|--|----------|---------------------|--|
| 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   |
| 2691 | OsmoNITB                                       | Bug     | Feedback | Normal   | Old TMSI paged after LU  |          | 05/17/2018 11:47 AM |  |
| 4845 | OsmoPCU  | Bug     | Feedback | Normal   | only send content resolution if it's needed  | lynxis   | 07/28/2023 02:45 PM |  |
| 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   |
| 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 |  |
| 6437 | libosmocore                                    | Bug     | Feedback | Normal   | osmo_io_ops segmentation_cb missing parameter holding state  | pespin   | 04/19/2024 10:17 AM |  |
| 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  |
| 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  |
| 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 |  |
| 6091 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | Feedback | High     | osmo-epdg: Implement CEAI interface (GSUP) ePDG <> strongswan  | lynxis   | 03/14/2024 04:36 PM |  |
| 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   |
| 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 |  |
| 2951 | OsmoSGSN                                       | Bug     | Feedback | Normal   | OsmoSGSN Accepts two MO L3 Messages with N(U) set to zero  | osmith   | 09/11/2019 12:24 PM |  |
| 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 |
| 2404 | OsmoPCU  | Bug     | Feedback | Low      | PAGING-PS doesn't use QoS parameters from BSSGP  | osmith   | 09/10/2019 11:54 AM |  |

| #    | Project  | Tracker | Status      | Priority | Subject   | Assignee                      | Updated             | Related issues   |
|------|--|---------|-------------|----------|---|-------------------------------|---------------------|--|
| 4856 | OsmoPCU  | Bug     | Feedback    | Normal   | PCU is running but has no NS connection and does not retry.   | keith                         | 10/18/2021 10:02 AM |  |
| 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 |  |
| 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 |  |
| 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                                     |
| 6318 | OsmoBSC  | Bug     | Feedback    | Normal   | Show lchan shows wrong number of channels for TCH   | neels                         | 12/25/2023 01:01 AM |  |
| 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 |  |
| 6273 | Core testing infrastructure                    | Bug     | Feedback    | Normal   | TTCN3 tests keep suffering from race conditions on shutdown   | daniel                        | 12/05/2023 03:29 PM |  |
| 5953 | OsmoBTS  | Bug     | Feedback    | Normal   | ttn3-bts-test: TC_ms_pwr_ctrl_{constant,pf_ewma} are failing  | fixeria                       | 03/25/2024 05:19 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   |
| 6181 | SIMtrace 2                                     | Bug     | Feedback    | Normal   | Unexpected INS code with simtrace2-sniff: 0x7f  | v.marinos                     | 10/18/2023 09:41 PM |  |
| 6440 | libosmocore                                    | Bug     | Feedback    | Normal   | VTY: 'write file' breaks 'show startup-config'  |                               | 04/26/2024 04:23 AM |  |
| 4797 | libosmocore                                    | Bug     | Feedback    | Normal   | vty: the output of 'show ns' command is confusing   | fixeria                       | 10/23/2020 05:35 PM | Related to #4855, Related to #5085   |
| 1906 | osmo-qcdiag                                    | Bug     | Feedback    | Normal   | wireshark: fix decoding of (E)GPRS RLC/MAC frames   | Hoernchen                     | 02/08/2021 08:07 PM |  |
| 1898 | OsmoBTS  | Bug     | Feedback    | Low      | Wrong handover detection with l1sap on wrong ss=0/ts=0  |                               | 11/07/2017 09:54 PM |  |
| 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 |
| 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   |
| 5422 | SIMtrace 2                                     | Feature | In Progress | Normal   | "cardem" continuous testing setup   | laforge                       | 01/27/2022 12:22 PM | Related to #5422   |

| #    | Project  | Tracker | Status      | Priority | Subject   | Assignee  | Updated             | Related issues  |
|------|--|---------|-------------|----------|---|-----------|---------------------|---|
| 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     |
| 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 |   |
| 5516 | OsmoTRX  | Feature | In Progress | High     | BladeRF 2.0 Support   | Hoernchen | 02/14/2023 02:59 PM | Is duplicate of #2430   |
| 5745 | osmo-lab-rack                                  | Feature | In Progress | Low      | component carrier Ethernet switch   | laforge   | 02/03/2023 11:29 AM |   |
| 5488 | Retronetworking                                | Feature | In Progress | Low      | create DAHDI mirror sniffer   | laforge   | 11/07/2022 06:04 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  |
| 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                                   |
| 4535 | OsmoMGW  | Feature | In Progress | Low      | Develop "E1/Abis generator"   | laforge   | 01/02/2022 01:57 PM | Precedes #2547  |
| 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 |   |
| 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  |
| 4520 | osmo-gbproxy                                   | Feature | In Progress | Normal   | gbproxy: Redundancy between NS-VCs (BSS Side)                                       | lynxis    | 02/19/2021 04:50 PM | Related to #4520  |
| 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 |
| 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  |
| 4922 | OsmoBSC  | Feature | In Progress | Normal   | Implement MS Power Control  | keith     | 11/04/2021 06:37 PM |   |
| 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                                   |
| 5480 | Open Source IMS Client                         | Feature | In Progress | High     | Linux kernel IPsec plugin for doubango  | laforge   | 03/25/2022 10:44 AM |   |
| 1605 | OsmoBSC  | Feature | In Progress | Low      | logging / ring buffer for ALERT messages from A-bis OML from the BTS side           | osmith    | 03/27/2020 09:40 AM | Related to #1605  |

| #    | Project  | Tracker | Status      | Priority | Subject  | Assignee  | Updated             | Related issues   |
|------|--|---------|-------------|----------|--|-----------|---------------------|--|
| 5900 | OsmoUPF  | Feature | In Progress | Normal   | make sure chain ids used in the tunmap nft ruleset are unused                                    |           | 02/09/2023 05:34 PM |  |
| 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   |
| 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   |
| 6290 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Feature | In Progress | High     | Organize OsmoDevCon 2024   | laforge   | 03/06/2024 12:06 PM |  |
| 5214 | OsmoMGW  | Feature | In Progress | Normal   | osmo-mgw multithreading  | Hoernchen | 08/31/2021 09:20 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 |  |
| 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   |
| 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 |  |
| 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 |
| 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   |
| 5679 | libosmo-sccp + libosmo-sigtran                         | Feature | In Progress | Normal   | unsupported SCCP user primitive N-PCSTATE.indication   | neels     | 02/18/2023 01:46 AM |  |
| 4200 | OsmoMSC  | Feature | In Progress | Normal   | Work around nano3G-S16 requiring RAB ID to be below 16   | efistokl  | 09/14/2019 09:48 AM |  |
| 5463 | Retronetworking  | Feature | In Progress | Low      | X.21 hardware interface  | vogelchr  | 03/04/2023 02:37 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   |
| 6119 | pySim  | Bug     | In Progress | Normal   | aram_get_config runs into an exception on a sysmocomSJA2   | laforge   | 12/05/2023 05:26 PM |  |
| 5939 | Retrocomputing   | Bug     | In Progress | Low      | Assemble GraphicGremlin / isavideo   | laforge   | 03/15/2023 09:06 AM |  |



| #    | 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 |                                   |
| 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                  |
| 5464 | SIMtrace 2                                     | Bug     | In Progress | Normal   | cardem firmware unable to attach to card   | laforge  | 11/18/2022 06:41 PM | Related to #5464                  |
| 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 |                                   |
| 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 |                                   |
| 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 |                                   |
| 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 |                                   |
| 6435 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | In Progress | Normal   | epdg: fix inter-UE traffic   | lynxis   | 04/08/2024 06:55 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 |                                   |
| 4842 | libosmocore                                    | Bug     | In Progress | Normal   | gsm0408 test fails on several architectures  | neels    | 08/23/2022 04:38 PM |                                   |
| 6212 | Linux Kernel GTP-U                             | Bug     | In Progress | Normal   | GTP extension headers  | pespin   | 10/18/2023 03:03 PM | Related to #6223                  |
| 5230 | OsmoHNBGW                                      | Bug     | In Progress | Normal   | hnbgw fails to connect to the sgsn   | lynxis   | 10/14/2021 07:50 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 |                                   |
| 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 |
| 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                  |
| 1766 | OsmoPCU  | Bug     | In Progress | High     | KPIs for OsmoPCU: EGPRS  |          | 01/22/2020 02:06 PM | Related to #1766,Related to #1766 |
| 4474 | OsmoBTS  | Bug     | In Progress | Low      | l1fwd (-remote) tried to read eeprom locally   |          | 11/04/2021 06:35 PM |                                   |
| 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                  |
| 4830 | OsmoMSC  | Bug     | In Progress | High     | LU reject when no authentication data in HLR but "authentication optional"                       | neels    | 10/10/2022 02:03 PM |                                   |
| 5349 | OsmoSGSN                                       | Bug     | In Progress | High     | Message for non-existing SMDCP Entity  |          | 07/17/2023 04:42 PM |                                   |
| 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 |                                   |

| #    | Project  | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues                                     |
|------|--|---------|-------------|----------|---|----------|---------------------|--|
| 5180 | libosmocore                                    | Bug     | In Progress | Normal   | ns2: Document NS inspection/blocking commands   | lynxis   | 06/15/2021 01:10 PM |  |
| 2238 | OsmoGSMTester                                  | Bug     | In Progress | Normal   | ofono: Gobi modem: cannot receive SMS   |          | 01/08/2020 10:42 PM | Related to #2238                                   |
| 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 |  |
| 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                                   |
| 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 |
| 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                                   |
| 6254 | OsmoDia2GSUP                                   | Bug     | In Progress | Normal   | Reconnects of the ttcn3 aren't handled  | lynxis   | 11/11/2023 05:13 PM |  |
| 6370 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | In Progress | Normal   | setup ims with kamailio   | lynxis   | 03/14/2024 09:01 PM |  |
| 5921 | SIMtrace 2                                     | Bug     | In Progress | High     | simtrace2 cardem vs. Linux kernel USB autosuspend   | laforge  | 09/16/2023 10:47 PM | Related to #5921                                   |
| 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                                   |
| 5889 | OsmoHLR  | Bug     | In Progress | Normal   | subscriber data: send out correct PDP Info  | lynxis   | 09/01/2023 04:20 PM |  |
| 2501 | OsmoSGSN                                       | Bug     | In Progress | Normal   | suspected problem with unanswered neighbor solicitation   | osmith   | 09/11/2019 12:58 PM |  |
| 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 |  |
| 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 |  |
| 4240 | OsmoMSC  | Bug     | In Progress | Normal   | test: incoming call when already Paging   |          | 11/27/2019 11:09 PM |  |
| 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 |  |
| 4367 | rtl-sdr  | Support | New         | Normal   | "Communications Toolbox Support Package for RTL-SDR Radio" from "Mathworks Matlab" appears to be with broken links?   | steve-m  | 01/21/2020 08:52 PM |  |
| 1983 | rtl-sdr  | Support | New         | Normal   | Add welle.io and rtl_fm_streamer to rtl-sdr app list  |          | 06/03/2018 12:24 PM |  |
| 3512 | gr-osmosdr                                     | Support | New         | Normal   | Bug #3462 on Arch Linux; gr-osmosdr install fails   | horiz0n  | 01/26/2019 06:10 PM |  |

| #    | Project                                      | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|--|---------|--------|----------|---|----------|---------------------|------------------|
| 2504 | OsmoGSMTester                                | Support | New    | Normal   | check whether running osmo-* from docker images is feasible on osmo-gsm-tester                |          | 04/06/2020 11:28 AM |                  |
| 4581 | OsmocomBB                                    | Support | New    | Normal   | compiler error assert.h no such file  |          | 06/05/2020 09:54 AM |                  |
| 3931 | OsmoGSMTester                                | Support | New    | Normal   | Contact quectel to get info about modem updates (hopefully less crashes)                      |          | 01/08/2020 10:56 PM | Related to #3931 |
| 6434 | E1/T1 Hardware Interface (including icE1usb) | Support | New    | Normal   | D-channel do not recover after underrun   |          | 04/27/2024 09:03 PM |                  |
| 3751 | OsmoBTS                                      | Support | New    | Normal   | Ensure BTS Tests.ttcn results of OC-2G resemble what we know/expect from osmo-bts-{sysmo,trx} |          | 12/01/2019 10:52 AM |                  |
| 4621 | OsmoBSC                                      | Support | New    | Normal   | feedback: osmo-bsc modifies the LAI in LU Accept messages, and the MM info data               | neels    | 02/06/2021 09:50 AM |                  |
| 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 |                  |
| 4135 | Qualcomm Linux Modems by Quectel & Co        | Support | New    | Normal   | how to use network inside ec20  |          | 07/31/2019 11:20 AM |                  |
| 4593 | OP25   | Support | New    | Normal   | Link to samples on the wiki is dead   | matt     | 06/07/2020 06:53 PM |                  |
| 2677 | libosmocore                                  | Support | New    | Normal   | Make stat_item available over ctrl interface  |          | 09/04/2019 09:21 AM | Related to #2676 |
| 4225 | OP25   | Support | New    | Normal   | Missing rules in cmake lists?   | 2CS350   | 10/12/2019 02:49 PM |                  |
| 3819 | gr-osmosdr                                   | Support | New    | Urgent   | OSMO SDR blocks for GNUradio  |          | 02/28/2019 06:00 PM |                  |
| 2764 | SDR (Software Defined Radio)                 | Support | New    | Normal   | osmocom_fft & siggen can't access the X display   |          | 12/15/2017 06:09 PM |                  |
| 4471 | OsmocomBB                                    | Support | New    | Normal   | Received FTMT00L from phone, ramloader has aborted  |          | 03/29/2020 11:18 AM |                  |
| 4080 | rtl-sdr                                      | Support | New    | Normal   | Receiving UTAs on 978 Mhz   |          | 07/02/2019 12:08 PM |                  |
| 6193 | Retronetworking                              | Support | New    | Low      | Replace "event rack" PM3 power supply   | laforge  | 09/27/2023 12:19 PM |                  |
| 4612 | OsmoMSC                                      | Support | New    | Normal   | test handover on non-voice call conn (no CC transaction present)                              |          | 06/14/2020 12:21 PM |                  |
| 4308 | Distributed GSM                              | Support | New    | High     | thoughts about incorporating credit / billing in D-GSM  |          | 12/04/2019 04:08 PM |                  |
| 4206 | Qualcomm Linux Modems by Quectel & Co        | Support | New    | Urgent   | Unbrick cpe router without web ui interface and terminal                                      |          | 02/22/2021 02:01 PM |                  |
| 6246 | OCTOI - Osmocom Community TDM over IP        | Feature | New    | Low      | co-locate cisco 2811 for FrameRelay and X.25  | laforge  | 11/06/2023 01:48 PM |                  |
| 4961 | osmo-gbproxy                                 | Feature | New    | Normal   | gbproxy support for "network sharing" via MOCN  |          | 01/20/2021 08:38 PM |                  |
| 5483 | Open Source IMS Client                       | Feature | New    | Normal   | SIM card interface for strongswan   |          | 03/07/2022 03:19 PM |                  |

| #    | Project                               | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                     |
|------|---------------------------------------|---------|--------|----------|---|----------|---------------------|------------------------------------|
| 5395 | OsmocomDECT                           | Feature | New    | Normal   | Support for LMX3161   |          | 01/09/2022 12:55 PM |                                    |
| 4608 | libosmo-sccp + libosmo-sigtran        | Feature | New    | Low      | "action" commands to interactively shutdown/re-enable/restart sigtran connections     | laforge  | 06/10/2020 01:12 PM |                                    |
| 6092 | pySim                                 | Feature | New    | Low      | "export" suport for ARA-M   | dexter   | 10/31/2023 06:40 PM |                                    |
| 4944 | OsmoCBC                               | Feature | New    | Low      | 3G SABP support in OsmoCBC  | laforge  | 01/13/2021 09:13 AM | Related to #4944, Related to #4944 |
| 5833 | OsmoPCU                               | Feature | New    | Low      | A "meas-feed" for osmo-pcu  | keith    | 12/18/2022 06:42 PM |                                    |
| 4249 | osmo-remsim                           | Feature | New    | Normal   | ability to explicitly provision an "empty SIM card slot" to a modem                   | laforge  | 09/08/2021 07:48 PM | Related to #5216                   |
| 5526 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | ability to generate GSMTAP traces from osmo-e1d                                       |          | 07/29/2023 07:23 AM |                                    |
| 5839 | OsmoGSMTester                         | Feature | New    | Normal   | Ability to switch off the osmo-trx machine  | pespin   | 12/20/2022 05:43 PM |                                    |
| 5372 | osmo-lab-rack                         | Feature | New    | Low      | AC power supply   |          | 12/23/2021 06:33 PM |                                    |
| 2160 | OP25                                  | Feature | New    | High     | Add "datascope" to usrp_p25_rx.py   |          | 04/22/2017 04:16 PM |                                    |
| 2913 | OsmocomBB                             | Feature | New    | Low      | Add a tool that decodes Cell Broadcasts (SMSCB)                                       |          | 09/29/2018 09:31 AM | Related to #3564                   |
| 3477 | Cellular Network Infrastructure       | Feature | New    | Low      | add a wiki page explaining interconnection between components across several machines | osmith   | 12/01/2019 09:29 AM |                                    |
| 4650 | OsmoBSC                               | Feature | New    | Normal   | Add BIG FAT error message in case OM2000 BTS fail to start up                         | laforge  | 07/04/2020 07:30 PM |                                    |
| 1946 | OsmoBSC                               | Feature | New    | Low      | Add checks to the BSC VTU to prevent configurations known to not work                 |          | 10/20/2020 08:40 AM | Related to #1614                   |
| 3019 | OsmoHLR                               | Feature | New    | Low      | add config for number of auth tuples returned   |          | 06/23/2018 06:58 PM |                                    |
| 5323 | Core testing infrastructure           | Feature | New    | Normal   | Add docker image containing titan.core master   |          | 12/15/2021 04:43 PM | Related to #6187                   |
| 5662 | OsmoUPF                               | Feature | New    | Normal   | add Linux kernel options to manual  |          | 08/24/2022 03:13 PM |                                    |
| 3038 | multi-voltage USB UART                | Feature | New    | Normal   | Add mounting holes?   |          | 03/07/2018 02:12 AM |                                    |
| 6132 | OsmocomBB                             | Feature | New    | Normal   | Add MS_GPRS_Tests to osmo-ttcn3-hacks   | fixeria  | 10/04/2023 10:29 PM | Related to #6132                   |
| 2391 | OsmoMSC                               | Feature | New    | Low      | add osmocom specific TLVs to A-interface for BTS/TS and subscriber details            |          | 10/02/2018 03:40 PM |                                    |
| 4587 | Cellular Network Infrastructure       | Feature | New    | Low      | Add port numbers to /etc/services during installation                                 |          | 06/08/2020 10:28 AM | Related to #5013                   |
| 3711 | SIMtrace 2                            | Feature | New    | Normal   | Add screw holes for permanent installations   | mschramm | 11/01/2023 08:28 PM |                                    |
| 2451 | Cellular Network Infrastructure       | Feature | New    | Low      | Add static builds to jenkins jobs   | osmith   | 09/30/2018 08:18 AM |                                    |
| 6231 | OsmoTRX                               | Feature | New    | Normal   | add support / calibration values for AntSDR E200                                      | roh      | 10/21/2023 03:25 PM |                                    |

| #    | Project                    | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                     |
|------|----------------------------|---------|--------|----------|--|----------|---------------------|------------------------------------|
| 2166 | OP25                       | Feature | New    | High     | Add support for Max's I/Q 455khz downconverter   |          | 04/22/2017 04:15 PM |                                    |
| 1555 | OsmoPCU                    | Feature | New    | Low      | Add support for unacknowledged RLC Mode  |          | 01/22/2020 02:59 PM |                                    |
| 2707 | OsmoGSMTester              | Feature | New    | Normal   | Add support for verifying content of log files after test is run                                     |          | 12/04/2017 05:05 PM |                                    |
| 4128 | OsmoHNBGW                  | Feature | New    | Low      | Add support of Huawei hNodeB protocol  |          | 07/24/2019 03:39 PM |                                    |
| 4806 | osmo-ccid-firmware         | Feature | New    | Low      | Add support of T=1?  |          | 10/15/2020 03:40 PM |                                    |
| 2271 | OsmoGSMTester              | Feature | New    | Low      | add test names to pick to the -s cmdline option  |          | 05/18/2017 12:32 PM |                                    |
| 2946 | OsmoGGSN (former OpenGGSN) | Feature | New    | Low      | Add test suite for sgsnemu   | pespin   | 11/21/2019 05:03 PM |                                    |
| 2399 | OsmoGSMTester              | Feature | New    | Normal   | add tests for graceful restart of individual components  |          | 07/25/2017 12:02 AM |                                    |
| 4275 | OsmoSTP                    | Feature | New    | Low      | Add TTCN3 STP_Tests_IPA.TC_tmt_broadcast   | pespin   | 12/01/2019 11:04 AM |                                    |
| 4541 | OsmoBSC                    | Feature | New    | Normal   | add ttcn3 tests for situations of Abis latency spikes, where chan act/deact ACK messages arrive late |          | 11/20/2023 05:03 PM | Related to #4541, Related to #6375 |
| 1463 | SIMtrace 2                 | Feature | New    | Low      | Add VCC current sensing circuit for SPA & DPA attacks  | laforge  | 08/27/2018 07:05 AM | Related to #1706                   |
| 1908 | osmo-qcdiag                | Feature | New    | Normal   | add VTY interface to osmo-qcdiag   | laforge  | 01/12/2017 01:15 PM |                                    |
| 1857 | OsmoBSC                    | Feature | New    | Normal   | aggregate and report OML ALERT messages received from BTSs   |          | 12/10/2017 08:16 PM | Related to #1615, Related to #1605 |
| 5813 | OsmoHNBGW                  | Feature | New    | Low      | Alcatel-Lucent femtocells available in Europe  |          | 03/09/2024 07:09 PM |                                    |
| 4809 | osmo-clock-conv            | Feature | New    | Low      | alignment of DC barrel with face plate   | laforge  | 10/16/2020 05:29 PM | Related to #4814                   |
| 3644 | OsmoHLR                    | Feature | New    | Normal   | allow arbitrary bytes in Global Title (GT), a.k.a. the VLR,SGSN's identification towards the HLR     | neels    | 12/01/2019 10:02 AM | Related to #3644, Related to #3644 |
| 6000 | OsmoMSC                    | Feature | New    | Normal   | Allow emergency calls without IMSI (using IMEI as MI)  |          | 04/12/2023 11:03 AM | Related to #6000                   |
| 4014 | OsmoBTS                    | Feature | New    | Low      | Allow multiple [virtual] BTS instances on same [SDR] hardware that supports multiple TRX             |          | 05/21/2019 12:07 PM |                                    |
| 3470 | OsmoMSC                    | Feature | New    | Low      | Allow sending "Emergency Number List IE" in LU ACCEPT  |          | 09/01/2018 08:18 PM | Related to #3470                   |
| 2612 | OsmoGSMTester              | Feature | New    | Low      | Allow skipping pcaps by configuration if access to tcpdump is not wanted                             |          | 04/06/2020 11:25 AM |                                    |
| 2798 | linmodem                   | Feature | New    | Normal   | ALSA Soundcard Support   |          | 01/01/2018 12:02 PM |                                    |
| 4455 | OP25                       | Feature | New    | Normal   | AMBE CODEC   |          | 03/28/2020 09:53 PM |                                    |
| 4989 | OsmoBTS                    | Feature | New    | Low      | AMR RATSCCH support  |          | 01/28/2021 01:41 PM |                                    |
| 4479 | IMSI Pseudonymization      | Feature | New    | Normal   | Applet: change IMSI after receiving SMS  |          | 04/16/2020 08:45 AM |                                    |

| #    | Project                               | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|---------------------------------------|---------|--------|----------|--|----------|---------------------|------------------|
| 4486 | IMSI Pseudonymization                 | Feature | New    | Normal   | Applet: gracefully handle case where timer is set twice  |          | 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 |
| 4481 | IMSI Pseudonymization                 | Feature | New    | Low      | Applet: test various REFRESH qualifiers to possibly shorten the time for changing the IMSI         |          | 04/16/2020 08:45 AM |                  |
| 5932 | Retrocomputing                        | Feature | New    | Low      | assemble ISA-USB   | laforge  | 03/02/2023 09:25 PM |                  |
| 5940 | Retrocomputing                        | Feature | New    | Low      | Assemble LPT_Capture   | laforge  | 03/15/2023 09:06 AM |                  |
| 5936 | Retrocomputing                        | Feature | New    | Low      | Assemble netpi-ide   | laforge  | 03/02/2023 09:25 PM |                  |
| 5947 | Retrocomputing                        | Feature | New    | Low      | Assemble PC104-SVGA  | laforge  | 03/15/2023 09:29 AM |                  |
| 1530 | OsmoPCU                               | Feature | New    | Low      | Assign same TFI number in downlink/uplink  |          | 01/26/2020 08:50 AM |                  |
| 5429 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Normal   | authentication in TDMoIP protocol  | laforge  | 11/07/2022 05:29 PM |                  |
| 1837 | OsmoBTS                               | Feature | New    | Low      | autogenerate dtx_dl_amr_fsm.*  |          | 03/01/2018 11:17 PM |                  |
| 5865 | OsmoHLR                               | Feature | New    | Low      | Automate selection of LU Reject Cause  |          | 02/16/2023 10:36 AM |                  |
| 6401 | libosmocore                           | Feature | New    | Low      | benchmark batching io_uring operations   |          | 03/14/2024 08:10 AM |                  |
| 5437 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | brainstorm about making protocol even more efficient   | laforge  | 01/30/2022 01:45 PM |                  |
| 5436 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | BRI variant of OCTOI protocol  | laforge  | 01/30/2023 06:49 PM | Related to #5436 |
| 5758 | OsmoDia2GSUP                          | Feature | New    | Normal   | bring osmo_dia2gsup to production quality  | lynxis   | 03/30/2023 08:13 PM |                  |
| 3831 | OsmoBSC                               | Feature | New    | Low      | BSC support for "network sharing" via MOCN   |          | 01/20/2021 10:03 AM | Related to #4473 |
| 1600 | OsmoBSC                               | Feature | New    | Low      | BSC: Make SI / rest octests more configurable  |          | 12/10/2017 08:04 PM |                  |
| 4504 | OsmoTRX                               | Feature | New    | Low      | Buidl LimeSuite without GUI in osmocom feeds   |          | 09/30/2020 08:08 PM |                  |
| 5546 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Normal   | build frame relay "hub" similar to ISDN "hub"  |          | 04/24/2022 03:03 PM |                  |
| 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 |
| 25   | OsmoMSC                               | Feature | New    | Low      | Call HOLD / RETRIEVE support for internal MNCC   |          | 08/01/2019 03:06 PM |                  |
| 5403 | OsmoMSC                               | Feature | New    | Normal   | Can't connect Call from 2G to 4G network   | laforge  | 01/14/2022 10:41 PM |                  |
| 5721 | OsmoCBC                               | Feature | New    | Normal   | CBC messages Geographical Scope and CBS Index  |          | 10/19/2022 07:23 AM |                  |
| 4196 | OsmoMSC                               | Feature | New    | Normal   | CC Setup, Call Confirmed: decode and use the Supported Codec List IE                               |          | 09/25/2019 05:27 PM |                  |
| 5682 | OsmoUPF                               | Feature | New    | Low      | cfg: separate PFCP Node ID from PFCP local address   |          | 09/17/2022 02:21 PM | Related to #5682 |

| #    | Project                               | Tracker | Status | Priority | Subject  | Assignee   | Updated             | Related issues                     |
|------|---------------------------------------|---------|--------|----------|--|------------|---------------------|------------------------------------|
| 5647 | OsmoHNBGW                             | Feature | New    | Normal   | cfg: separate PFCP Node ID from PFCP local address   |            | 08/17/2022 03:38 PM | Related to #5648, Related to #5682 |
| 4846 | OsmoPCU                               | Feature | New    | Normal   | change RBB received block bitmap into 1s when everything was acked                                 |            | 11/04/2020 02:29 AM |                                    |
| 3988 | OsmoMSC                               | Feature | New    | Low      | change the remaining DEBUGP() statements to LOG_MSC_A() / LOG_MSC_A_CAT()                          |            | 05/08/2019 03:26 PM |                                    |
| 1659 | OsmoBSC                               | Feature | New    | Low      | Check encoding of SI at time parameters are entered from VTY, not just at generation time          |            | 12/10/2017 08:06 PM |                                    |
| 1814 | Qualcomm Linux Modems by Quectel & Co | Feature | New    | Low      | check if qtools work   |            | 10/02/2016 04:08 AM |                                    |
| 1911 | SIMtrace 2                            | Feature | New    | Normal   | check if we can have an enclosed version of simtrace v2  | tsaitgaist | 09/13/2018 12:40 PM |                                    |
| 5122 | OsmoPCU                               | Feature | New    | Normal   | Choose SBA allocation offset based on AGCH queue load in the BTS                                   | pespin     | 04/20/2021 12:51 PM | Related to #5122                   |
| 2462 | OsmoBSC                               | Feature | New    | Low      | clarify lchan->encr.alg_id   |            | 08/24/2017 01:27 PM | Related to #2462                   |
| 3738 | OsmoMSC                               | Feature | New    | Normal   | Clarify PS-part of struct vlr_subscr   |            | 12/19/2018 12:34 PM |                                    |
| 2011 | Cellular Network Infrastructure       | Feature | New    | Low      | clean-up / merge IPA (and IPA CCM) code of libosmocore, libosmo-abis, libosmo-netif, openbsc, etc. |            | 12/07/2022 04:11 PM | Related to #4841                   |
| 5908 | Cellular Network Infrastructure       | Feature | New    | Low      | Cleanup license information throughout the projects  |            | 02/16/2023 11:02 AM |                                    |
| 1692 | OsmoBTS                               | Feature | New    | Low      | clock source monitoring  |            | 04/13/2016 09:49 AM |                                    |
| 1546 | OsmoPCU                               | Feature | New    | Low      | closed loop uplink power control   |            | 09/30/2020 08:05 PM |                                    |
| 6245 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | co-locate cisco 2811 ITP/STP in data center  | laforge    | 11/06/2023 01:46 PM |                                    |
| 1510 | UmTRX                                 | Feature | New    | High     | Complete UHD integration   | ipse       | 02/21/2016 04:47 PM |                                    |
| 5370 | osmo-lab-rack                         | Feature | New    | Low      | component carrier USB hub  |            | 12/23/2021 06:30 PM |                                    |
| 5371 | osmo-lab-rack                         | Feature | New    | Low      | component carrier USB-UART   |            | 12/23/2021 06:31 PM |                                    |
| 1623 | OsmoSMSC                              | Feature | New    | Normal   | Configure delivery report for the SMPP delivery links  | zecke      | 02/24/2016 01:49 PM |                                    |
| 4915 | osmo-e1d                              | Feature | New    | Low      | consider a one-thread-per-line architecture  |            | 07/29/2023 07:31 AM |                                    |
| 1576 | OsmoBTS                               | Feature | New    | Low      | consider using hLayer2 as a pointer storage  |            | 02/02/2017 04:11 PM | Related to #1755                   |
| 6402 | libosmocore                           | Feature | New    | Low      | consider using IORING_RECVSEND_POLL_FIRST for our socket-reads                                     |            | 03/14/2024 08:21 AM |                                    |
| 5543 | Retronetworking                       | Feature | New    | Normal   | Contact manufacturers for leftover stock   |            | 06/27/2023 09:05 PM |                                    |
| 6085 | OsmoHNBGW                             | Feature | New    | Low      | context_map_sccp.c parrots states/events that the SCCP-SCOC FSM already handles                    | neels      | 10/18/2023 03:31 PM |                                    |

| #    | Project                         | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                     |
|------|---------------------------------|---------|--------|----------|---|----------|---------------------|------------------------------------|
| 1903 | OsmoPCU                         | Feature | New    | Low      | convert c++ -> c  |          | 03/23/2020 10:48 PM |                                    |
| 6303 | OsmoPCU                         | Feature | New    | Low      | Convert pcuif to TLV to make backwards compatibility more feasible            |          | 02/15/2024 09:23 PM |                                    |
| 4336 | OsmoMSC                         | Feature | New    | Normal   | Convert vlr_lu_fsm.c to use osmo_tdef (and drop vlr_timer())                  |          | 01/02/2020 05:32 PM | Related to #4337                   |
| 3521 | libosmocore                     | Feature | New    | Normal   | core/utlis: engineering notation helpers                                      | fixeria  | 09/04/2018 08:32 PM |                                    |
| 5446 | Cellular Network Infrastructure | Feature | New    | Normal   | correlate git version to ttcn3 tests  |          | 02/07/2022 09:40 PM | Related to #5446                   |
| 5466 | OsmocomBB                       | Feature | New    | Normal   | CP2102N evaluation for burst_ind baudrate                                     | laforge  | 02/22/2022 07:17 PM |                                    |
| 2814 | Z-Netz                          | Feature | New    | Normal   | Create + Document classic CrossPoint setup on DOS (dosemu)                    |          | 01/01/2018 01:41 PM |                                    |
| 2813 | Z-Netz                          | Feature | New    | Normal   | Create + Document OpenXP setup on Linux                                       |          | 01/01/2018 01:41 PM |                                    |
| 3658 | Cellular Modem Information      | Feature | New    | Low      | Create a "osmocom-bb-host-latest" docker container                            |          | 12/01/2019 09:07 AM | Related to #3658                   |
| 2158 | OP25                            | Feature | New    | High     | Create a shared library for decoding for WireShark and the decoder.           |          | 04/22/2017 04:16 PM |                                    |
| 2697 | osmo-qcdiag                     | Feature | New    | Normal   | Create and add debian packages for osmo-qcdiag to osmocom debian repositories |          | 11/30/2017 06:03 PM |                                    |
| 2806 | UUCP and UseNet                 | Feature | New    | Low      | Create Dockerfile and/or ansible playbook for UseNet node                     |          | 01/01/2018 01:04 PM |                                    |
| 5746 | Retronetworking                 | Feature | New    | Low      | Create H.221 decoder  |          | 11/07/2022 10:55 PM |                                    |
| 5484 | Open Source IMS Client          | Feature | New    | Normal   | create setup for nested IPsec (doubango on top of StrongSWAN)                 |          | 03/07/2022 11:19 AM |                                    |
| 6167 | OsmoBTS                         | Feature | New    | Low      | csd_v110: implement rate adaptation for TCH/F14.4                             |          | 09/01/2023 11:58 AM | Related to #6167, Related to #6346 |
| 4053 | libosmocore                     | Feature | New    | Low      | CTRL: Add CTRL cmd introspection to print documentation                       |          | 01/08/2020 10:21 PM | Related to #4053, Related to #4443 |
| 3672 | Osmocom Analog                  | Feature | New    | Normal   | Custom announcement and tones   | jolly    | 02/01/2021 10:25 AM |                                    |
| 2804 | linmodem                        | Feature | New    | Low      | DAHDI interface   |          | 01/01/2018 12:27 PM |                                    |
| 4150 | OsmoMGW                         | Feature | New    | Low      | dead code / If an MDCX omits SDP, all codec config might be cleared           |          | 08/13/2019 11:01 PM |                                    |
| 4109 | Cellular Network Infrastructure | Feature | New    | Low      | debian-repo-install-test: start a virtual MS and perform a LU                 | osmith   | 11/29/2019 10:39 AM | Related to #4109                   |
| 5128 | Core testing infrastructure     | Feature | New    | Low      | dec_RlcmacDlCtrlBlock: Get rid of annoying warning about remaining padding    |          | 12/09/2021 09:14 PM |                                    |
| 6265 | pySim                           | Feature | New    | Normal   | decode numeric SW in case of errors   | dexter   | 12/11/2023 01:01 PM |                                    |



| #    | Project                                  | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                  |
|------|--|---------|--------|----------|--|----------|---------------------|---------------------------------|
| 4376 | Cellular Network Infrastructure          | Feature | New    | Normal   | Define distinct X timer numbers across all osmo programs                   |          | 01/23/2020 09:21 PM |                                 |
| 6237 | Retronetworking                          | Feature | New    | Low      | Design + Build PCBA for NE555 based fake fan rpm sensor                    | laforge  | 10/30/2023 01:38 AM |                                 |
| 3285 | OsmoPCU                                  | Feature | New    | Normal   | design + implement tools to analyze inter-PCU cell changes                 | daniel   | 02/06/2021 11:12 AM | Related to #3284                |
| 3636 | OsmoMSC                                  | Feature | New    | Normal   | detailed call statistics (with rate counters)                              | osmith   | 10/08/2018 11:14 AM | Related to #3636                |
| 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 |                                 |
| 5740 | OsmoBSC                                  | Feature | New    | Low      | Disallow unworkable AMR modes.   | keith    | 11/08/2022 05:15 PM |                                 |
| 4415 | OsmoGGSN (former OpenGGSN)               | Feature | New    | Normal   | Document in OsmoGGSN User Manual the IPv6 allocation process over GTP      |          | 02/25/2020 03:05 PM |                                 |
| 3628 | Cellular Network Infrastructure          | Feature | New    | Low      | document nanoBTS calibration procedure using ipaccess-config tool          | fixeria  | 02/06/2021 02:03 PM | Related to #3628                |
| 1547 | OsmoPCU                                  | Feature | New    | Normal   | downlink power control on PDTCH  |          | 02/23/2016 03:04 PM |                                 |
| 1549 | OsmoPCU                                  | Feature | New    | Normal   | DRX support for GPRS   |          | 02/04/2017 08:11 AM | Related to #1942                |
| 4551 | OsmoMGW                                  | Feature | New    | Normal   | Dynamic/runtime allocation of new endpoints                                |          | 05/14/2020 10:56 PM |                                 |
| 5545 | Retronetworking                          | Feature | New    | Low      | E1 support for dynamips  |          | 04/24/2022 09:56 AM |                                 |
| 1560 | OsmoPCU                                  | Feature | New    | High     | EDGE benchmarking / performance optimization / tuning                      |          | 01/08/2020 10:31 PM |                                 |
| 5183 | OsmoHLR                                  | Feature | New    | Low      | EIR functionality  |          | 06/16/2021 06:22 AM | Related to #5183                |
| 1716 | libosmocore                              | Feature | New    | Normal   | enhance unit test coverage   |          | 08/17/2016 03:57 PM | Related to #1987,Precedes #1717 |
| 1573 | OsmoBTS                                  | Feature | New    | Low      | ENHANCED MEASUREMENT REPORT  |          | 07/19/2021 04:13 PM |                                 |
| 5002 | M.2 (NGFF) WWAN modem USB breakout board | Feature | New    | Normal   | Ensure current return paths via M.2 connector are sufficient               | mschramm | 03/23/2021 06:48 PM |                                 |
| 5442 | OCTOI - Osmocom Community TDM over IP    | Feature | New    | Normal   | ensure sequence number covers longer duration than default PRI LOS timer   | laforge  | 02/06/2022 08:16 AM |                                 |
| 5586 | OsmoBSC                                  | Feature | New    | Normal   | Ericsson RBS could recover Unlocked state without osmo-bsc restart         |          | 06/21/2022 10:23 PM | Related to #5983                |
| 5855 | Retronetworking                          | Feature | New    | Normal   | Establishing a German non-profit for retronetworking                       | laforge  | 01/13/2023 11:59 AM |                                 |
| 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                |
| 3687 | OsmoMSC                                  | Feature | New    | Normal   | Expand "show bsc" command  |          | 11/11/2018 09:50 PM |                                 |

| #    | Project                         | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues  |
|------|---------------------------------|---------|--------|----------|---|----------|---------------------|---|
| 3779 | Cellular Network Infrastructure | Feature | New    | Low      | explore providing a VM image with all of osmocom CNI and related tools installed  |          | 02/04/2019 09:52 AM |   |
| 5520 | osmo-e1d                        | Feature | New    | Low      | exponential back-off on octoi client reconnect attempts                           |          | 07/29/2023 07:30 AM |   |
| 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 |   |
| 3886 | osmo-remsim                     | Feature | New    | Normal   | expose ICCID or even IMSI of all cards on remsim-server                           | laforge  | 05/08/2019 03:31 PM | Precedes #3886  |
| 1590 | Cellular Network Infrastructure | Feature | New    | Low      | Extension of Control Interface / external SNMP agent                              |          | 07/18/2019 05:22 AM |   |
| 4813 | OsmoPCU                         | Feature | New    | Low      | FANR (Fast ACK/NACK Reporting) support  |          | 10/16/2020 08:46 AM |   |
| 5730 | OsmoMGW                         | Feature | New    | Low      | Fax over GSM support  | manawyrn | 10/16/2023 08:53 PM | Precedes #5730  |
| 4574 | OsmoHNBGW                       | Feature | New    | Low      | Femtocell choice in 2020/06   |          | 03/09/2024 07:09 PM |   |
| 6239 | libosmo-sccp + libosmo-sigtran  | Feature | New    | Normal   | finally deprecate libosmo-sccp (headers, static lib)                              |          | 10/31/2023 07:31 PM |   |
| 2157 | OP25                            | Feature | New    | High     | Fix "traffic" tab so it displays data for non-HDU data units                      |          | 04/22/2017 04:16 PM |   |
| 3142 | Cellular Network Infrastructure | Feature | New    | Low      | Further simplification of "NITB like" setups                                      |          | 04/05/2018 08:09 PM |   |
| 4521 | osmo-gbproxy                    | Feature | New    | Normal   | gbproxy: Redundancy between NS-VCs (SGSN Side)                                    | laforge  | 01/19/2021 05:24 PM | Related to #4959  |
| 4893 | osmo-gbproxy                    | Feature | New    | Low      | gbproxy2: Make feature bitmap configurable  |          | 12/08/2020 07:55 AM | Related to #4893  |
| 1987 | libosmocore                     | Feature | New    | Normal   | gcov code coverage test support   |          | 12/01/2019 01:42 PM | Related to #1987,Is duplicate of #1987                  |
| 3227 | Cellular Network Infrastructure | Feature | New    | Normal   | general idea: separate GSUP spec document   | roh      | 12/01/2019 09:26 AM | Is duplicate of #3227                                   |
| 1558 | OsmoPCU                         | Feature | New    | Low      | Generate BSSGP LLC Discarded messages on TBF/MS free                              | osmith   | 02/13/2021 05:44 PM | Related to #4847  |
| 3386 | Cellular Network Infrastructure | Feature | New    | Low      | Generate man pages at build time from adoc files                                  | osmith   | 05/11/2023 11:24 AM | Precedes #3386  |
| 1596 | Cellular Network Infrastructure | Feature | New    | Low      | Generation of accounting/billing data   |          | 12/10/2017 08:03 PM |   |
| 5487 | OsmoSGSN                        | Feature | New    | Low      | get rid of osmo-iuh.git's iu_client API and absorb into OsmoSGSN                  |          | 03/10/2022 06:05 PM |   |
| 3604 | OsmoSTP                         | Feature | New    | Normal   | Global Title Routing  |          | 07/18/2019 05:15 AM |   |
| 3605 | OsmoSTP                         | Feature | New    | Normal   | Global Title Translation  |          | 07/18/2019 05:15 AM |   |
| 1585 | OsmoSGSN                        | Feature | New    | Low      | Gn interface for inter-SGSN MM Context transfer                                   |          | 09/22/2023 02:42 PM | Related to #5759,Related to #6294,Is duplicate of #1585 |