

## Issues

| #    | Project  | Tracker | Status      | Priority  | Subject   | Assignee  | Updated             | Related issues  |
|------|--|---------|-------------|-----------|---|-----------|---------------------|---|
| 5683 | Osmocom Libraries                              | Bug     | New         | Immediate | How to install osmocom in China   |           | 09/18/2022 10:18 AM |   |
| 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 |   |
| 3819 | gr-osmosdr                                     | Support | New         | Urgent    | OSMO SDR blocks for GNUradio  |           | 02/28/2019 06:00 PM |   |
| 5574 | OsmoBSCNAT                                     | Bug     | New         | Urgent    | OsmoBSCNAT testsuite running in jenkins   | Hoernchen | 10/06/2022 11:46 AM | Related to #5574  |
| 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 |
| 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  |
| 5481 | Open Source IMS Client                         | Feature | New         | Urgent    | SIM card interface for doubango   | laforge   | 03/25/2022 11:00 AM | Related to #5482  |
| 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  |
| 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     |
| 6337 | OsmocomBB                                      | Bug     | New         | High      | bad fr audio with gapk/ms-sdr   |           | 01/22/2024 09:21 PM | Related to #6337  |
| 5731 | gr-osmosdr                                     | Bug     | New         | High      | Install gr-osmosdr on Ubuntu 20.04  |           | 10/27/2022 01:39 PM |   |
| 5425 | gr-osmosdr                                     | Bug     | New         | High      | Problem receiving samples using dual receivers with BladeRF                               |           | 01/29/2022 04:22 AM |   |
| 5396 | OsmocomDECT                                    | Bug     | New         | High      | TcpDump/WireShark will not build with libpcap(dect)                                       |           | 01/09/2022 12:57 PM |   |
| 5394 | OsmocomDECT                                    | Bug     | New         | High      | Kernel Oops when loading com_on_air_cs (unable to handle kernel NULL pointer dereference) |           | 01/09/2022 12:54 PM |   |
| 5393 | OsmocomDECT                                    | Bug     | New         | High      | tipc problems while building on Ubuntu  |           | 01/09/2022 12:48 PM |   |
| 5392 | OsmocomDECT                                    | Bug     | New         | High      | Sliding collision errors  |           | 01/09/2022 12:44 PM |   |
| 5349 | OsmoSGSN                                       | Bug     | In Progress | High      | Message for non-existing SNDCCP Entity  |           | 07/17/2023 04:42 PM |   |
| 5257 | OsmoBTS  | Bug     | New         | High      | support random padding in SACCH downlink messages   |           | 10/12/2021 11:18 AM | Related to #5257  |
| 4312 | OsmoHLR  | Bug     | New         | High      | GSUP keepalives / connection loss detection   |           | 10/12/2020 02:42 PM |   |
| 4222 | OsmoSGSN                                       | Bug     | New         | High      | Implement PS Paging for the Routing Areas   |           | 10/03/2020 02:20 PM | Related to #4222  |
| 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                  |

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| 3734 | gr-osmosdr          | Bug     | New         | High     | Cannot compile gr-osmocom   |          | 12/16/2018 12:22 AM |  |
| 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 |
| 2824 | gr-osmosdr          | Bug     | New         | High     | Corrupted double-linked for Raspbian Stretch when running osmocom_fft (and any other program using osmosdr.source |          | 06/03/2018 12:08 PM |  |
| 2172 | OP25                | Bug     | New         | High     | HDU often missing in captures   |          | 04/22/2017 04:14 PM |  |
| 2170 | OP25                | Bug     | New         | High     | Implement forward error-correction code, remove IT++ dependency   |          | 04/22/2017 04:14 PM |  |
| 2169 | OP25                | Bug     | New         | High     | First-cut of trunking support   |          | 04/22/2017 04:15 PM |  |
| 2168 | OP25                | Bug     | New         | High     | Implement Forward error correction for LDU1/2   |          | 04/22/2017 04:15 PM |  |
| 2162 | OP25                | Bug     | New         | High     | Fix bit-ordering in output for VC55.  |          | 04/22/2017 04:15 PM |  |
| 1925 | OsmoPCU             | Bug     | New         | High     | Fix padding for MCS8 transition   |          | 01/08/2020 10:31 PM |  |
| 1766 | OsmoPCU             | Bug     | In Progress | High     | KPIs for OsmoPCU: EGPRS   |          | 01/22/2020 02:06 PM | Related to #1766,Related to #1766              |
| 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              |
| 1505 | UmTRX               | Bug     | New         | High     | OHM4 footprint incorrect  |          | 02/19/2016 10:52 PM |  |
| 1483 | Mobile (in)Security | Bug     | New         | High     | USSD state is not reset when switching cells  |          | 02/21/2016 04:34 PM |  |
| 1481 | Mobile (in)Security | Bug     | New         | High     | Random LAPDm MAC-block padding is not deployed yet  |          | 02/21/2016 04:34 PM | Related to #5256,Related to #5257              |
| 1480 | Mobile (in)Security | Bug     | New         | High     | A5/3 is not deployed in GSM networks  |          | 02/21/2016 04:34 PM |  |
| 1478 | Mobile (in)Security | Bug     | New         | High     | IMSI DETACH DoS   |          | 09/02/2019 09:00 AM |  |
| 1477 | Mobile (in)Security | Bug     | New         | High     | RACH flood DoS  |          | 02/21/2016 04:34 PM |  |
| 1462 | OsmocomBB           | Bug     | New         | High     | ../src/utils.c:182:7: error: only weak aliases are supported in this configuration                                |          | 02/21/2016 04:48 PM |  |
| 5256 | OsmoBTS             | Feature | New         | High     | support for random padding in LAPDm downlink messages   |          | 10/12/2021 11:17 AM | Related to #5256                               |
| 2175 | OP25                | Feature | New         | High     | Update code for GNURadio 3.6 and later  |          | 04/22/2017 04:14 PM |  |
| 2173 | OP25                | Feature | New         | High     | Remove dependency on ET++   |          | 04/22/2017 04:14 PM |  |
| 2171 | OP25                | Feature | New         | High     | Use libfftw3 for IFFT/FFT functions.  |          | 04/22/2017 04:14 PM |  |
| 2167 | OP25                | Feature | New         | High     | Implement Encryption/Decryption P25 blocks  |          | 04/22/2017 04:15 PM |  |
| 2166 | OP25                | Feature | New         | High     | Add support for Max's I/Q 455khz downconverter  |          | 04/22/2017 04:15 PM |  |
| 2160 | OP25                | Feature | New         | High     | Add "datascope" to usrp_p25_rx.py   |          | 04/22/2017 04:16 PM |  |
| 2158 | OP25                | Feature | New         | High     | Create a shared library for decoding for WireShark and the decoder.   |          | 04/22/2017 04:16 PM |  |

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|------|-------------------|---------|---------|----------|--|----------|---------------------|--|
| 2157 | OP25              | Feature | New     | High     | Fix "traffic" tab so it displays data for non-HDU data units   |          | 04/22/2017 04:16 PM |  |
| 2156 | OP25              | Feature | New     | High     | Implement forward error correction for HDU.  |          | 04/22/2017 04:16 PM |  |
| 2155 | OP25              | Feature | New     | High     | Replace FSK4 demodulation with IQ demodulator stage.   |          | 04/22/2017 04:16 PM |  |
| 1560 | OsmoPCU           | Feature | New     | High     | EDGE benchmarking / performance optimization / tuning  |          | 01/08/2020 10:31 PM |  |
| 4308 | Distributed GSM   | Support | New     | High     | thoughts about incorporating credit / billing in D-GSM   |          | 12/04/2019 04:08 PM |  |
| 2622 | OsmoBSC           | Support | Stalled | High     | Prepare automatic interop testing of OsmoBSC against NG40 core simulator + osmo-bts-virtual + mobile |          | 09/04/2019 09:18 AM | Related to #2478,Related to #2558,Related to #2555   |
| 5931 | libosmo-netif     | Bug     | New     | High     | heap-use-after-free when osmo_stream_srv_destroy() is called inside read_cb()                        | daniel   | 03/02/2023 11:03 AM |  |
| 6294 | OsmoSGSN          | Feature | New     | High     | Support GN/Gp interoperation procedures between SGSN and MME   | daniel   | 04/22/2024 06:04 PM | Related to #6294,Related to #6439  |
| 4522 | osmo-gbproxy      | Feature | Stalled | High     | gbproxy: Redundancy within proxy pair  | daniel   | 07/09/2021 06:43 PM |  |
| 5571 | Ericsson RBS 6xxx | Bug     | New     | High     | DUG can come up, but with Avail: "Power Off"   | dexter   | 11/08/2022 05:10 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  |
| 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 #3659,Related to #3783 |
| 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 |  |
| 4771 | OsmoBTS           | Bug     | Stalled | High     | Don't log NOTICE messages on missing uplink bursts   | fixeria  | 11/16/2021 03:05 PM |  |
| 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  |
| 3717 | OsmoHLR           | Bug     | Stalled | High     | SS/USSD: fix SS session inactivity timeout   | fixeria  | 12/05/2018 08:45 PM |  |
| 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   |
| 3399 | OsmocomBB         | Feature | Stalled | High     | mobile: refactor / finish external MNCC handler implementation                                       | fixeria  | 10/04/2018 09:07 PM |  |
| 2409 | OsmocomBB         | Feature | Stalled | High     | Add GPRS support to virt_phy and L1CTL   | fixeria  | 08/19/2022 03:06 PM |  |

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| 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                  |
| 6200 | OsmocomBB                       | Bug     | New         | High     | osmo-trx-ms: lots of @Received bad frame (rc=-1, ber=444/444)@   | Hoernchen | 10/05/2023 06:02 PM | Related to #6342,Blocks #6200                      |
| 5057 | OsmoMSC                         | Bug     | New         | High     | Can only send a maximum of 15 SMPP messages?   | Hoernchen | 09/15/2021 09:53 AM |  |
| 4781 | osmo-qcdiag                     | Bug     | New         | High     | get hoernchen/gsmtap branch merged   | Hoernchen | 10/06/2020 03:18 PM |  |
| 4622 | OsmoTRX                         | Bug     | New         | High     | Lots of "dumping STALE burst in TRX->SDR interface" messages in osmo-trx after osmo-bts-trx proper restart | Hoernchen | 07/06/2020 11:57 AM |  |
| 5516 | OsmoTRX                         | Feature | In Progress | High     | BladeRF 2.0 Support  | Hoernchen | 02/14/2023 02:59 PM | Is duplicate of #2430                              |
| 5144 | gr-osmosdr                      | Bug     | New         | High     | Support multiple Airspy devices  | horiz0n   | 10/21/2023 07:22 PM |  |
| 1510 | UmTRX                           | Feature | New         | High     | Complete UHD integration   | ipse      | 02/21/2016 04:47 PM |  |
| 1508 | UmTRX                           | Feature | New         | High     | Implement UmSEL diversity switch control   | ipse      | 02/21/2016 04:47 PM |  |
| 1507 | UmTRX                           | Feature | New         | High     | Implement UmSEL tuner control  | ipse      | 02/21/2016 04:47 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                  |
| 6436 | OsmoPCU                         | Bug     | New         | High     | high cpu usage, entire BTS unresponsive after some hours   | keith     | 04/13/2024 04:32 PM |  |
| 6169 | osmo-e1d                        | Bug     | New         | High     | Frame masking against network frame ordering, not frame numbers  | laforge   | 10/18/2023 03:19 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                                   |
| 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 |
| 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 |
| 5527 | osmo-remsim                     | Bug     | Stalled     | High     | warn on duplicate client (id) connections  | laforge   | 07/13/2022 01:25 PM | Related to #5527                                   |
| 5419 | SIMtrace 2                      | Bug     | Stalled     | High     | cardem errors with higher baud rate  | laforge   | 11/07/2022 06:22 PM |  |
| 4916 | osmo-e1d                        | Bug     | Stalled     | High     | USB unplug / replug renders e1d unusable   | laforge   | 12/04/2023 12:34 PM | Related to #5983                                   |
| 4829 | OsmocomBB                       | Bug     | Stalled     | High     | OsmocomBB Rx bit errors in dedicated mode  | laforge   | 02/06/2021 09:11 AM | Related to #4832                                   |
| 4578 | Cellular Network Infrastructure | Bug     | New         | High     | Updated slides / presentations / videos on setting up Osmocom CNI  | laforge   | 02/13/2021 05:35 PM |  |
| 3568 | OsmoBTS                         | Bug     | Stalled     | High     | CBCH on SDCCH/8 not working for osmo-bts-sysmo   | laforge   | 01/14/2019 03:29 PM |  |
| 3379 | SIMtrace 2                      | Bug     | Stalled     | High     | documentation on how to use SIMtrace2  | laforge   | 11/14/2022 05:31 PM | Related to #3379                                   |

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| 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                                   |
| 6290 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Feature | In Progress | High     | Organize OsmoDevCon 2024  | laforge  | 03/06/2024 12:06 PM |   |
| 5480 | Open Source IMS Client                                 | Feature | In Progress | High     | Linux kernel IPsec plugin for doubango  | laforge  | 03/25/2022 10:44 AM |   |
| 3977 | OsmoCBC  | Feature | New         | High     | SABP stream delineation routines  | laforge  | 09/23/2019 04:49 AM | Related to #3979,Related to #4944                                   |
| 2604 | Cellular Network Infrastructure                        | Feature | Stalled     | High     | GSUP-to-DIAMETER converter / IWF  | laforge  | 02/29/2020 11:27 AM | Related to #5646  |
| 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 |   |
| 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 |   |
| 4605 | OsmoSGSN   | Bug     | New         | High     | GMM_ATTACH_REQ_FSM: Event E_AUTH_RESP_RECV_SUCCESS not permitted                                    | lynxis   | 06/13/2020 06:16 PM | Related to #4605  |
| 2955 | OsmoSGSN   | Bug     | New         | High     | No GMM ATTACH REJECT on GSUP UpdateLocation Error   | lynxis   | 09/10/2019 07:39 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 |   |
| 4830 | OsmoMSC  | Bug     | In Progress | High     | LU reject when no authentication data in HLR but "authentication optional"                          | neels    | 10/10/2022 02:03 PM |   |
| 4576 | Core testing infrastructure                            | Bug     | Stalled     | High     | ttn3-hlr-tests need to route multicast traffic between ttn3-hlr-test and osmo-hlr-master containers | neels    | 10/28/2020 09:48 PM |   |
| 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 |
| 4940 | OsmoBSC  | Feature | Stalled     | High     | VAMOS support in OsmoBSC  | neels    | 08/11/2021 02:47 PM | Related to #4941  |
| 2623 | Cellular Network Infrastructure                        | Feature | New         | High     | SCCP/M3UA: detect restart of osmo-msc and osmo-sgsn   | neels    | 02/07/2021 12:55 PM | Related to #3403,Related to #4701                                   |
| 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  |

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| 4107 | Cellular Network Infrastructure | Feature | In Progress | High     | Start systemd services as non-root user  | osmith   | 04/26/2024 09:08 AM | Related to #4107,Related to #4821,Related to #4107,Related to #5669,Related to #5685,Related to #5687,Related to #5722 |
| 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  |
| 3928 | OsmoPCU                         | Bug     | Stalled     | High     | Missing PCU_Tests.ttcn for various timers / time-outs  | pespin   | 11/15/2021 05:46 PM | Related to #5033   |
| 3926 | OsmoPCU                         | Bug     | Stalled     | High     | Missing PCU_Tests.ttcn DL TBF tests  | pespin   | 03/01/2021 11:06 AM |  |
| 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  |
| 1474 | SDR (Software Defined Radio)    | Bug     | New         | High     | USB Claim Interface Error  | steve-m  | 02/20/2016 08:23 PM |  |
| 1458 | OsmocomBB                       | Bug     | New         | High     | AGC broken (strong cell cannot be synced   | tnt      | 07/18/2019 06:10 AM | Related to #3582   |
| 6442 | OsmoSGSN                        | Bug     | New         | Normal   | SGSN does not answer to first GMM ATTACH REQUEST   |          | 04/24/2024 05:48 PM |  |
| 6441 | OsmoSGSN                        | Bug     | New         | Normal   | use-after-free on RAU with invalid Old RAI   |          | 04/22/2024 01:23 PM | Related to #6441   |
| 6440 | libosmocore                     | Bug     | Feedback    | Normal   | VTY: 'write file' breaks 'show startup-config'   |          | 04/26/2024 04:23 AM |  |
| 6438 | libosmocore                     | Bug     | New         | Normal   | write_config_file() calls blocking sync()  |          | 04/26/2024 09:15 AM |  |
| 6433 | OsmoHNBGW                       | Bug     | New         | Normal   | DLGLOBAL ERROR counter group 'hnb' already exists for index 0, instead using index 1. This is a software bug that needs fixing. (rate_ctr.c:221) |          | 04/04/2024 11:11 PM |  |
| 6427 | OsmoMSC                         | Bug     | New         | Normal   | ttcn3-msc-test: TC_mo_ussd_for_unknown_trans fails sporadically  |          | 04/02/2024 03:01 PM | Related to #6427   |
| 6418 | pySim                           | Bug     | New         | Normal   | osmo-smdpp docs  |          | 03/25/2024 05:54 PM |  |
| 6411 | Cellular Network Infrastructure | Bug     | Stalled     | Normal   | ttcn3: execute testsuites with a more realistic link performance   |          | 04/03/2024 06:25 PM |  |
| 6410 | libosmocore                     | Bug     | New         | Normal   | osmo_io poll backend doesn't work on file descriptors that are not sockets   |          | 03/19/2024 07:33 PM |  |
| 6398 | pySim                           | Bug     | New         | Normal   | Add helper for SwMatchError  |          | 03/09/2024 09:34 PM |  |
| 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 |  |
| 6380 | OsmoHNBGW                       | Bug     | New         | Normal   | VTY transcript tests are broken [again]  |          | 02/28/2024 06:57 PM |  |
| 6374 | libosmocore                     | Bug     | New         | Normal   | libosmocore --disable-libsctp not tested by jenkins  |          | 02/23/2024 03:47 PM |  |
| 6372 | OsmocomBB SDR PHY               | Bug     | New         | Normal   | Cant connect to BS using cell_log and mobile   |          | 02/22/2024 07:13 AM |  |
| 6360 | libosmocore                     | Bug     | New         | Normal   | libosmovty fails to parse commands like "test (foo bar) [(one two three)]"   |          | 02/14/2024 09:25 PM |  |

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| 6330 | OsmoMSC                               | Bug     | New      | Normal   | Incorrect handling of V.120 data calls  |          | 01/18/2024 03:02 PM | Related to #6344                               |
| 6329 | rtl-sdr                               | Bug     | New      | Normal   | rtl_sdr does not have correct rpath set on OSX build  |          | 01/12/2024 09:57 PM |  |
| 6328 | OsmoBSC                               | Bug     | New      | Normal   | Channel Mode Modify fails to modify the RTP payload type number   |          | 01/12/2024 06:24 AM | Related to #6328                               |
| 6323 | OP25                                  | Bug     | New      | Normal   | Install script is broken on Ubuntu 23.10  |          | 01/05/2024 07:54 PM |  |
| 6312 | OsmoHLR                               | Bug     | New      | Normal   | Querying HLR for MSISDN-to-IMSI mapping is too cumbersome and inefficient   |          | 12/21/2023 06:52 AM | Related to #6312                               |
| 6297 | OsmoMGW                               | Bug     | New      | Normal   | octet-align=0 is the RFC 6871 specified default to use when omitted; but osmo-mgw assumes don't-care when omitted                       |          | 12/12/2023 02:12 AM | Is duplicate of #5726                          |
| 6293 | OsmoMGW                               | Bug     | New      | Normal   | osmo-mgw "decides" for a codec during MGCP handling; instead it should handle all configured payload type numbers as they arrive in RTP |          | 12/07/2023 05:52 AM | Related to #6293,Related to #6293,Blocks #6136 |
| 6283 | OsmoHNBGW                             | Bug     | New      | Normal   | cnpool: hnbgw fails to extract Mobile Identity from some GMM Attach Request messages  |          | 12/04/2023 01:48 AM |  |
| 6281 | OCTOI - Osmocom Community TDM over IP | Bug     | New      | Normal   | divf yate: calls to wave playback or loopback never connect   |          | 12/04/2023 12:14 PM | Related to #6282                               |
| 6255 | OsmoDia2GSUP                          | Bug     | New      | Normal   | Implement 3GPP Purge UE Request   |          | 11/10/2023 01:29 PM |  |
| 6201 | OsmocomBB                             | Bug     | New      | Normal   | modem: signal proper MS Radio Access Capability   |          | 10/04/2023 12:34 PM | Related to #6201                               |
| 6129 | Miscellaneous Projects                | Bug     | New      | Normal   | Discourse: Setting a custom avatar via upload fails   |          | 08/02/2023 06:07 PM |  |
| 6126 | OsmoGSMTester                         | Bug     | New      | Normal   | osmo-gsm-tester docker container uses debian 10   |          | 08/01/2023 09:49 AM | Related to #6126                               |
| 6106 | OsmoGGSN (former OpenGGSN)            | Bug     | New      | Normal   | OsmoGGSN attempts to use the same GTP-U socket for all APNs with gtpu-mode kernel-gtp   |          | 02/21/2024 10:31 AM | Related to #6106,Related to #6106              |
| 6032 | rtl-sdr                               | Bug     | New      | Normal   | Poor APRS demodulation using RTL_FM on RaspberryPI or on old PC   |          | 05/15/2023 12:14 PM |  |
| 6029 | Core testing infrastructure           | Bug     | New      | Normal   | Single TTCN3 BSC handover test fails  |          | 10/18/2023 05:31 PM |  |
| 6009 | OsmoMSC                               | Bug     | New      | Normal   | omo-msc: lots of tlv_parse() calls in src/libmsc/gsm_04_08.c have no return code checked for errors                                     |          | 04/19/2023 03:19 PM |  |
| 6007 | OsmoBSC                               | Bug     | New      | Normal   | network -> bts -> gprs nsvc will always create a nsvc node  |          | 04/17/2023 04:08 PM |  |
| 5985 | Cellular Network Infrastructure       | Bug     | New      | Normal   | tests: not all Osmocom projects have @osmoappdesc.py@   |          | 03/29/2023 08:09 PM |  |
| 5869 | OsmoHNBGW                             | Bug     | New      | Normal   | osmo-hnbgw ignores HNBAP HNB De-Register  |          | 01/21/2023 01:52 AM |  |
| 5864 | libosmocore                           | Bug     | New      | Normal   | Libosmocore: Fix order of config parsing output   |          | 02/04/2023 05:21 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                               |
| 5852 | OsmoSGSN                              | Bug     | New      | Normal   | osmo-sgsn: Keep TLLI<->NSEI+BVCI relation knowledge in BSSGP layer  |          | 01/11/2023 03:08 PM |  |

| #    | Project                               | Tracker | Status  | Priority | Subject   | Assignee | Updated             | Related issues                                 |
|------|---------------------------------------|---------|---------|----------|---|----------|---------------------|--|
| 5851 | OsmoSGSN                              | Bug     | New     | Normal   | check if rate ctr GMM_CTR_PKTS_UDATA_IN is correct increased in sgsn_gtp_data_req() func  |          | 01/10/2023 06:40 PM |  |
| 5844 | OsmoPCU                               | Bug     | New     | Normal   | pcu: ns: ip-sns: 2 local binds with a single remote is invalid  |          | 12/22/2022 09:59 PM |  |
| 5843 | OsmoBSC                               | Bug     | New     | Normal   | BTS features aren't reset after oml drop  |          | 12/22/2022 09:27 PM |  |
| 5842 | OsmoBSC                               | Bug     | New     | Normal   | ipa: investigate NSVC local and remote port configuration difference with wireshark dissector   |          | 12/22/2022 07:18 PM |  |
| 5837 | OsmoHNBGW                             | Bug     | New     | Normal   | osmo-juh: UE-REGISTER-REQ with uE_Identity type IMEI not implemented.   |          | 12/20/2022 03:43 PM |  |
| 5822 | OsmocomBB                             | Bug     | New     | Normal   | SE K2x0i: missing RF and AFC params   |          | 12/15/2022 11:36 PM |  |
| 5818 | libosmocore                           | Bug     | New     | Normal   | multithreaded logging causes lock contention and needs a rework   |          | 01/10/2024 09:05 AM |  |
| 5773 | OsmoGGSN (former OpenGGSN)            | Bug     | New     | Normal   | OsmoGGSN sends Direct Tunnel packets to the wrong IP address  |          | 11/17/2022 04:17 AM |  |
| 5764 | Cellular Network Infrastructure       | Bug     | New     | Normal   | GCC does not check format strings in LOGPFM macros  |          | 11/11/2022 06:30 AM |  |
| 5756 | libosmo-abis                          | Bug     | New     | Normal   | io_uring support in libosmo-abis  |          | 03/20/2024 03:58 PM | Related to #5756,Related to #6357,Blocks #5896 |
| 5750 | Cellular Network Infrastructure       | Bug     | New     | Normal   | contrib/jenkins.sh: build with -Wunused-macros and -Wundef  |          | 11/08/2022 08:07 PM |  |
| 5738 | Misc Hardware Projects                | Bug     | New     | Normal   | Sim 800L module Connectivity  |          | 11/02/2022 06:55 PM |  |
| 5735 | osmo-e1d                              | Bug     | New     | Normal   | ctl client disconnect doesn't re-set timeslot state   |          | 05/23/2023 06:19 AM |  |
| 5726 | OsmoMGW                               | Bug     | New     | Normal   | AMR octet-align in SDP: lack of 'octet-align' fmtp should imply octet-align=0, and the presence or absence of this fmtp should not have an effect |          | 12/12/2023 01:51 AM | Is duplicate of #5726                          |
| 5699 | OsmoMSC                               | Bug     | New     | Normal   | MNCC_RTP_CREATE is not sent in a call waiting scenario  |          | 10/10/2022 06:46 PM |  |
| 5693 | OCTOI - Osmocom Community TDM over IP | Bug     | Stalled | Normal   | no progress tones in yate   |          | 12/03/2023 11:10 AM |  |
| 5672 | Misc Hardware Projects                | Bug     | New     | Normal   | sfp-experimenter / voltage swing of LVDS driver insufficient for SFP spec   |          | 09/02/2022 03:27 PM |  |
| 5669 | Cellular Network Infrastructure       | Bug     | New     | Normal   | Test .deb packages built by our OBS   |          | 09/21/2022 01:03 PM | Related to #5669,Related to #5669              |
| 5644 | Osmocom Libraries                     | Bug     | New     | Normal   | Check library pkg-config files for proper dependencies  |          | 08/10/2022 01:02 PM | Related to #5644                               |
| 5576 | OsmoBTS                               | Bug     | New     | Normal   | osmo-bts not moving NM state "Enabled -> DisabledDependency" when Admin state becomes Locked  |          | 06/02/2022 10:38 AM |  |
| 5573 | OsmoHNBGW                             | Bug     | New     | Normal   | osmo-hnbgw: RANAP LocationReportingControl not implemented  |          | 05/30/2022 02:05 PM |  |



| #    | Project                                      | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|--|---------|--------|----------|--|----------|---------------------|-----------------------------------|
| 5544 | OCTOI - Osmocom Community TDM over IP        | Bug     | New    | Normal   | Strange HDLC frames in PPP when using mISDN/pppd/capiplugin against Portmaster3                            |          | 04/23/2022 01:50 PM |                                   |
| 5515 | OsmoBSC                                      | Bug     | New    | Normal   | BSC_Tests: re-establishment: RA during CHAN RQD should reflect re-establishment                            |          | 04/06/2022 08:02 PM |                                   |
| 5509 | OsmoSGSN                                     | Bug     | New    | Normal   | llc/pdu lifetime: add vty config option to define default lifetime   |          | 03/31/2022 04:11 PM |                                   |
| 5474 | OsmoBTS                                      | Bug     | New    | Normal   | osmo-bts-trx: DTXd support not implemented   |          | 03/02/2022 05:06 PM | Related to #5474,Related to #5474 |
| 5462 | osmo-sip-connector                           | Bug     | New    | Normal   | Contact Header Missing - Way Forward?  |          | 02/21/2022 05:51 AM |                                   |
| 5460 | gr-osmosdr                                   | Bug     | New    | Normal   | Please use double for ppm with fcdp/pp   |          | 02/17/2022 10:43 PM |                                   |
| 5445 | gr-osmosdr                                   | Bug     | New    | Normal   | Please switch to the gr-funcube  |          | 02/15/2022 11:56 PM |                                   |
| 5433 | OCTOI - Osmocom Community TDM over IP        | Bug     | New    | Normal   | forwarding of TS0 / Alarms   |          | 01/30/2022 11:02 AM |                                   |
| 5402 | E1/T1 Hardware Interface (including icE1usb) | Bug     | New    | Normal   | no2e1 gateway improvements   |          | 01/13/2022 12:02 PM |                                   |
| 5380 | osmo-ccid-firmware                           | Bug     | New    | Normal   | Incorrect answer to PC_to_RDR_SetParameters CCID command   |          | 01/16/2022 08:55 PM |                                   |
| 5357 | OsmoGGSN (former OpenGGSN)                   | Bug     | New    | Normal   | no more than PDP_MAX == 1024 PDP contexts possible in libgtp   |          | 12/14/2021 01:20 PM | Related to #5469                  |
| 5356 | libosmo-abis                                 | Bug     | New    | Normal   | libosmo-abis: osmo_rtp_socket_connect() not calling connect() on sockets                                   |          | 12/13/2021 12:50 PM |                                   |
| 5352 | gr-osmosdr                                   | Bug     | New    | Normal   | ImportError: generic_type: type "sink" referenced unknown base type "gr::hier_block2"                      |          | 12/11/2021 08:19 AM |                                   |
| 5338 | OsmoBTS                                      | Bug     | New    | Normal   | LMSDevice.cpp:261 Power parameters requested before Tx Frequency was set! Providing band 900 by default... |          | 12/09/2021 11:42 PM |                                   |
| 5313 | OsmoMGW                                      | Bug     | New    | Normal   | libosmo-mgcp-client-dbg specific package not generated for debian  |          | 11/16/2021 03:57 PM |                                   |
| 5310 | osmo-ccid-firmware                           | Bug     | New    | Normal   | sysmoOCTSIM does not re-enumerate after unplug/replug the USB cable when PSU is connected                  |          | 11/15/2021 05:13 PM |                                   |
| 5305 | OsmocomBB                                    | Bug     | New    | Normal   | Burst capture  |          | 11/10/2021 06:38 PM |                                   |
| 5300 | OsmoPCU                                      | Bug     | New    | Normal   | osmo-pcu: SUSPEND-NACK not implemented   |          | 03/31/2022 02:59 PM |                                   |
| 5298 | gr-osmosdr                                   | Bug     | New    | Normal   | object has no attribute 'pyqwidget' on arch linux  |          | 11/09/2021 01:25 AM |                                   |
| 5218 | gr-osmosdr                                   | Bug     | New    | Normal   | compilation fails: "no matching function for call to fcd_source_c::connect"                                |          | 09/05/2021 10:58 PM |                                   |
| 5202 | OsmocomBB                                    | Bug     | New    | Normal   | [Assert failed rc >= 0 l1ctl.c:83] cell_log crashes (mostly) when monitoring specific ARFCN                |          | 07/25/2021 01:38 PM |                                   |

| #    | Project                        | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|--------------------------------|---------|--------|----------|--|----------|---------------------|------------------|
| 5154 | OsmoSGSN                       | Bug     | New    | Normal   | OsmoSGSN doesn't trigger 3G paging if downlink GTP traffic arrives after long break                                      |          | 05/13/2021 12:28 PM | Related to #5154 |
| 5120 | rtl-sdr                        | Bug     | New    | Normal   | rtlsdr_demod_write_reg failed with -9  |          | 04/18/2021 08:55 PM |                  |
| 5117 | OsmoSDR                        | Bug     | New    | Normal   | Error building gr-osmosdr with libhackrf   |          | 04/15/2021 07:56 AM |                  |
| 5050 | OsmoTRX                        | Bug     | New    | Normal   | How can I solve limesdr mini clock problem with osmocom ?  |          | 02/27/2021 01:55 PM |                  |
| 5031 | OsmoSDR                        | Bug     | New    | Normal   | Please switch to gr-funcube  |          | 06/17/2021 09:23 AM |                  |
| 5029 | libosmocore                    | Bug     | New    | Normal   | vty: optional cases with multiple arguments is undefined behaviour   |          | 02/18/2021 05:44 PM |                  |
| 5011 | Core testing infrastructure    | Bug     | New    | Normal   | Warning about unrecognized escape sequence in Osmocom_CTRL_Types   |          | 02/05/2021 11:21 AM |                  |
| 5008 | gr-osmosdr                     | Bug     | New    | Normal   | Quoted whitespace parsing problem in source_impl::source_impl  |          | 02/04/2021 02:16 AM |                  |
| 4985 | OsmoBTS                        | Bug     | New    | Normal   | AMR RTP CMR of downlink frames not used to influence CMC   |          | 01/28/2021 01:35 PM |                  |
| 4972 | OsmoMSC                        | Bug     | New    | Normal   | manual: the MNCC protocol is outdated (RTP)  |          | 01/24/2021 05:58 PM |                  |
| 4966 | OsmoPCU                        | Bug     | New    | Normal   | osmo-pcu: gprs+egprs multiplex: Allow selecting original 8-PSK dl block during retransmission for GSMK-required DL block |          | 01/26/2021 01:07 PM | Related to #4966 |
| 4950 | gr-osmosdr                     | Bug     | New    | Normal   | gr-osmosdr doesn't find iqbalance during build   |          | 02/22/2021 02:46 AM |                  |
| 4930 | OsmoBSC                        | Bug     | New    | Normal   | bsc: cbc: vty: "no remote-ip" in cbc > client  |          | 12/31/2020 10:42 PM |                  |
| 4926 | OsmoHNBGW                      | Bug     | New    | Normal   | nano3G disconnect / reconnect cycle with SCTP multi-homing   |          | 01/04/2021 11:38 AM | Related to #4926 |
| 4925 | libosmo-sccp + libosmo-sigtran | Bug     | New    | Normal   | SCTP multihoming / ABORT between osmo-msc and osmo-stp   |          | 01/04/2021 11:32 AM | Related to #4926 |
| 4908 | libosmocore                    | Bug     | New    | Normal   | Errors compiling with -std=c++14   |          | 03/01/2021 03:38 PM |                  |
| 4886 | OsmoSGSN                       | Bug     | New    | Normal   | UE does not connect data when moving from 2G->3G   |          | 12/04/2020 01:29 AM |                  |
| 4885 | libosmocore                    | Bug     | New    | Normal   | configure doesn't check for python3  |          | 12/02/2020 03:36 AM |                  |
| 4884 | OsmoBSC                        | Bug     | New    | Normal   | RLL_REL_IND is recieved after RF_CHAN_REL  |          | 12/02/2020 11:51 AM |                  |
| 4869 | OsmoPCU                        | Bug     | New    | Normal   | wireshark: Support dissecting LLC frames on top of RLCMAC (E)GPRS data blocks  |          | 06/26/2023 11:03 AM | Related to #5367 |
| 4858 | OsmoBSC                        | Bug     | New    | Normal   | handover CHANnel ACTIVation: BSC sends timing advance for lchan activation in a different cell                           |          | 11/10/2020 05:41 PM |                  |
| 4847 | OsmoPCU                        | Bug     | New    | Normal   | fix LLC-DISCARD behaviour  |          | 11/04/2020 02:37 AM | Related to #4847 |
| 4827 | OsmoBTS                        | Bug     | New    | Normal   | OsmoBTS VTY is lacking various vital information   |          | 10/23/2020 07:14 PM |                  |
| 4825 | OsmoSGSN                       | Bug     | New    | Normal   | security command is missing sometimes  |          | 10/22/2020 02:40 AM |                  |
| 4767 | OsmoBSC                        | Bug     | New    | Normal   | pcu interface: add suspend request support   |          | 09/29/2020 04:40 PM |                  |
| 4766 | OsmoBSC                        | Bug     | New    | Normal   | pcu interface: add app info request  |          | 09/26/2020 10:21 PM |                  |
| 4764 | OsmoMSC                        | Bug     | New    | Normal   | make sure Assignment times out, always   |          | 09/23/2020 02:08 PM |                  |
| 4749 | OsmoGGSN (former OpenGGSN)     | Bug     | New    | Normal   | Unknown/Unimplemented PCO Protocol   |          | 02/09/2022 01:26 PM |                  |

| #    | Project                        | Tracker | Status  | Priority | Subject   | Assignee | Updated             | Related issues                     |
|------|--------------------------------|---------|---------|----------|---|----------|---------------------|------------------------------------|
| 4746 | libosmocore                    | Bug     | New     | Normal   | gb: NS2: implement a NSE based logfilter  |          | 11/14/2020 08:42 AM |                                    |
| 4720 | rtl-sdr                        | Bug     | New     | Normal   | rtl_power reports invalid values  |          | 08/19/2020 02:47 PM |                                    |
| 4705 | Distributed GSM                | Bug     | New     | Normal   | osmo-hlr user manual: explain the mslookup domain suffix "mdns.osmocom.org", it has no mention in the user manual |          | 08/13/2020 12:54 AM |                                    |
| 4685 | SDR (Software Defined Radio)   | Bug     | New     | Normal   | Can't compile libusrp   |          | 08/04/2020 08:52 AM |                                    |
| 4677 | SDR (Software Defined Radio)   | Bug     | New     | Normal   | fopher crash on OSX with Qt   |          | 07/27/2020 03:27 AM |                                    |
| 4660 | OsmoMSC                        | Bug     | New     | Normal   | GSM AUTH failure: mismatching sres - with module TRM-5 ext  |          | 07/12/2020 08:01 PM |                                    |
| 4653 | SDR (Software Defined Radio)   | Bug     | New     | Normal   | cannot import name 'fosphor'  |          | 07/07/2020 02:39 AM |                                    |
| 4637 | OsmoTRX                        | Bug     | New     | Normal   | limesdr usb gain setting changes break gsm phasenoise constraints   |          | 06/29/2020 04:43 PM |                                    |
| 4599 | OsmoSGSN                       | Bug     | New     | Normal   | counter group sgsn:pdpctx already exists for index X, instead using Y   |          | 09/09/2020 10:05 AM | Related to #4604                   |
| 4589 | OsmoBSC                        | Bug     | New     | Normal   | osmo-bsc crashes with "lchan allocation failed in state WAIT_RF_RELEASE_ACK: Timeout"                             |          | 06/06/2020 10:40 PM |                                    |
| 4579 | OsmoBTS                        | Bug     | New     | Normal   | add IPv6 support  |          | 02/12/2021 12:26 PM |                                    |
| 4557 | OsmoMSC                        | Bug     | New     | Normal   | normal BSSMAP Clear Command from MSC contains cause == 0 meaning "Radio interface message failure"                |          | 05/20/2020 07:17 PM |                                    |
| 4554 | OsmoMGW                        | Bug     | New     | Normal   | Clean up stale endpoints after OsmoBSC crash  |          | 05/16/2020 08:52 PM |                                    |
| 4553 | OsmoBSC                        | Bug     | New     | Normal   | OsmoBSC doesn't handle RESET IP RESOURCE BSSMAP message   |          | 05/16/2020 07:44 PM |                                    |
| 4552 | OsmoMGW                        | Bug     | New     | Normal   | ip-probing issue with BTS connection - no rebinding to a correct IP address                                       |          | 05/14/2020 11:18 PM |                                    |
| 4538 | OsmoBSC                        | Bug     | New     | Normal   | timeslot_fsm.c: make the PDCH act/deact timeout configurable  |          | 05/09/2020 08:20 PM | Related to #4539                   |
| 4513 | rtl-sdr                        | Bug     | New     | Normal   | PKG information broken  |          | 04/26/2020 03:21 PM |                                    |
| 4484 | gr-osmosdr                     | Bug     | New     | Normal   | CMakeFiles.txt  |          | 04/06/2020 05:19 PM |                                    |
| 4480 | IMSI Pseudonymization          | Bug     | New     | Normal   | Applet/OsmoMSC: fix or workaround for OsmoMSC only paging attached MS   |          | 04/16/2020 08:45 AM | Related to #4480                   |
| 4457 | libosmo-sccp + libosmo-sigtran | Bug     | New     | Normal   | editing the SCCP address book (global-title) on a running instance may crash the application                      |          | 03/17/2020 11:17 PM |                                    |
| 4452 | OsmoPCU                        | Bug     | Stalled | Normal   | manual testing of osmo-pcu  |          | 07/28/2023 02:48 PM |                                    |
| 4451 | OsmoMSC                        | Bug     | New     | Normal   | vty 'show stats level': different stats levels yield identical results  |          | 03/09/2020 10:10 PM |                                    |
| 4443 | libosmocore                    | Bug     | New     | Normal   | CTRL interface blocks wildcard in rate_ctr  |          | 03/08/2020 01:06 PM | Related to #4443, Related to #4443 |
| 4432 | OsmoMGW                        | Bug     | New     | Normal   | for 'domain **', mgw should echo the domain of the MGCP client  |          | 03/04/2020 12:39 AM |                                    |
| 4427 | rtl-sdr                        | Bug     | New     | Normal   | docker + rtl_sdr issue  |          | 02/29/2020 01:16 PM |                                    |
| 4417 | IMSI Pseudonymization          | Bug     | New     | Normal   | Applet: LU counter should only increase on successful location update   |          | 04/16/2020 08:45 AM | Related to #4478                   |

| #    | Project                         | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues                                     |
|------|---------------------------------|---------|-------------|----------|---|----------|---------------------|--|
| 4359 | gr-osmosdr                      | Bug     | New         | Normal   | Compiling from Git Bramcj gr3.8 fails   |          | 01/12/2020 05:08 PM |  |
| 4352 | osmo-sip-connector              | Bug     | New         | Normal   | Need to handle 401 Unauthorized   |          | 01/09/2020 02:03 PM |  |
| 4337 | OsmoMSC                         | Bug     | New         | Normal   | osmo-msc: Don't send LU-Reject after LU-Accept if no TMSI Realloc Complete is received              |          | 01/07/2021 06:22 PM | Related to #4337                                   |
| 4325 | gr-osmosdr                      | Bug     | New         | Normal   | can't open hackrf_sink with device index  |          | 12/13/2019 09:18 AM |  |
| 4310 | osmo-sip-connector              | Bug     | New         | Normal   | sends BYE to self   |          | 01/09/2020 09:21 AM |  |
| 4274 | OsmoSTP                         | Bug     | New         | Normal   | AS Name isn't displayed   |          | 03/14/2024 10:33 AM |  |
| 4265 | libosmocore                     | Bug     | New         | Normal   | --enable-embedded doesn't work as expected  |          | 11/12/2019 11:18 AM |  |
| 4240 | OsmoMSC                         | Bug     | In Progress | Normal   | test: incoming call when already Paging   |          | 11/27/2019 11:09 PM |  |
| 4174 | osmo-fl2k                       | Bug     | New         | Normal   | After the latest commits, the fl2k tools do not exit on first SIGINT                                |          | 08/25/2019 04:57 PM |  |
| 4172 | OsmoGGSN (former OpenGGSN)      | Bug     | New         | Normal   | osmoggsn crashes when stopping  |          | 08/29/2019 11:35 AM |  |
| 4158 | OsmoHNBGW                       | Bug     | New         | Normal   | segfault when paging, in a situation with duplicate CID in hnb register requests                    |          | 05/13/2021 12:01 PM | Related to #4162                                   |
| 4153 | OsmoMGW                         | Bug     | New         | Normal   | 3G voice broken with ALu 9361 femto   |          | 04/25/2022 05:43 PM |  |
| 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                                   |
| 4141 | Cellular Network Infrastructure | Bug     | New         | Normal   | No osmux specific code in place during codec negotiation  |          | 08/05/2019 03:57 PM |  |
| 4130 | OP25                            | Bug     | New         | Normal   | OP25 User Interface   |          | 07/26/2019 02:36 AM |  |
| 4082 | OsmoBTS                         | Bug     | New         | Normal   | OML: Unknown/unhandled PCHAN type: 0 NONE   |          | 11/18/2019 10:09 AM |  |
| 4031 | OsmoBTS                         | Bug     | New         | Normal   | OML part of BTS has no TTCN-3 tests   |          | 09/04/2019 09:04 AM | Related to #4031,Related to #4031                  |
| 4023 | OsmoBTS                         | Bug     | Stalled     | Normal   | Missing coverage of PCU interface in osmo-bts   |          | 03/21/2023 01:07 PM | Related to #4023                                   |
| 4019 | OsmoPCU                         | Bug     | New         | Normal   | implement a command to show all informations from the bts   |          | 11/25/2020 07:33 PM |  |
| 4018 | OsmoPCU                         | Bug     | New         | Normal   | investigate ordering of includes paths  |          | 05/23/2019 10:59 AM |  |
| 4017 | OsmoMSC                         | Bug     | New         | Normal   | MSC fails to handle calls   |          | 05/29/2019 04:56 PM |  |
| 4009 | OsmoBTS                         | Bug     | New         | Normal   | Channel Activation starts SACCH too early in Synchronous Handover                                   |          | 03/11/2022 12:44 PM | Related to #4009,Related to #4010,Related to #4009 |
| 3992 | OsmoMSC                         | Bug     | New         | Normal   | inter-MSC handover for signalling-only?   |          | 05/09/2019 11:39 AM |  |
| 3983 | libosmocore                     | Bug     | New         | Normal   | osmo_fsm_inst_change_parent() forgets to talloc reparent  |          | 03/24/2021 12:35 PM |  |
| 3981 | OsmoTRX                         | Bug     | New         | Normal   | osmo-trx-lms: Overruns appear from time to time   |          | 09/30/2020 08:08 PM | Related to #3981                                   |
| 3980 | OsmoMGW                         | Bug     | New         | Normal   | Clear Command before CRCX OK may leak MGW endpoint  |          | 05/06/2019 10:11 PM |  |

| #    | Project                      | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                                     |
|------|------------------------------|---------|-------------|----------|--|----------|---------------------|--|
| 3964 | OsmoSGSN                     | Bug     | New         | Normal   | SIGSEGV in sndcp_sm_deactivate_ind()   |          | 10/10/2019 07:11 PM | Related to #3964,Related to #4221,Related to #4602 |
| 3949 | OsmoTRX                      | Bug     | New         | Normal   | osmo-trx-lms: improve runtime gain setting (missing calibration)                           |          | 09/30/2020 08:08 PM | Related to #4468                                   |
| 3940 | OsmoSGSN                     | Bug     | New         | Normal   | TTCN-3: lu: test UMTS Auth   |          | 04/24/2019 08:24 AM |  |
| 3939 | OsmoSGSN                     | Bug     | New         | Normal   | TTCN: do a GMM Attach Request when in GMM Connected and have a PDP Request                 |          | 04/24/2019 08:25 AM |  |
| 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                                   |
| 3936 | OsmoSGSN                     | Bug     | New         | Normal   | lu: first GMM Service Request does not find a MM ctx                                       |          | 05/07/2019 01:37 PM | Related to #3936                                   |
| 3923 | OsmoSGSN                     | Bug     | New         | Normal   | lu: Respond to SecurityCommandReject messages  |          | 04/24/2019 08:26 AM | Related to #3923                                   |
| 3917 | OsmoGSMTester                | Bug     | New         | Normal   | ofono: update debian packages to match our dependencies                                    |          | 04/06/2020 11:30 AM |  |
| 3909 | libosmocore                  | Bug     | New         | Normal   | osmo_get_rand_id() fails in containerised environment                                      |          | 03/24/2021 12:34 PM | Related to #3909                                   |
| 3880 | OsmoMSC                      | Bug     | New         | Normal   | GSUP MT-ForwardSM Message Reference - wrong value in a response                            |          | 04/01/2019 07:47 AM |  |
| 3865 | OsmoBSC                      | Bug     | New         | Normal   | nanoBTS: GPRS not working anymore, modems unable to attach in osmo-gsm-tester              |          | 05/11/2023 01:00 PM | Is duplicate of #3865                              |
| 3849 | OsmoMGW                      | Bug     | New         | Normal   | race condition problem in rtp flow tests of the ttcn3 testsuite                            |          | 09/04/2019 09:26 AM |  |
| 3829 | OsmoMSC                      | Bug     | New         | Normal   | osmo-msc expects aoip TLV in Assignment Complete messages from BSC                         |          | 03/07/2019 08:30 PM |  |
| 3820 | OsmoHNBGW                    | Bug     | New         | Normal   | osmo-hnbgw does not properly do RANAP RESET and RESET ACK on the link towards MSC and SGSN |          | 05/13/2021 12:01 PM | Related to #3944                                   |
| 3817 | SDR (Software Defined Radio) | Bug     | New         | Normal   | Unable to use fospor display on Ubuntu 18.10   |          | 02/26/2019 06:56 PM |  |
| 3814 | OsmoBSC                      | Bug     | New         | Normal   | MS Power Control Problem with Osmo-BSC and nanoBTS   |          | 02/24/2019 01:15 AM |  |
| 3812 | libosmo-netif                | Bug     | Stalled     | Normal   | stream_test fails depending on where it is run   |          | 03/13/2019 04:15 PM |  |
| 3806 | OsmoBSC                      | Bug     | Stalled     | Normal   | OsmoBSC accepts BSSAP with wrong length field  |          | 08/28/2020 08:15 PM | Related to #3806                                   |
| 3797 | rtl-sdr                      | Bug     | New         | Normal   | Exits with "Bus error"   |          | 02/12/2019 02:28 PM |  |
| 3776 | OP25                         | Bug     | New         | Normal   | Build fail using gcc version 7.3.0 Ubuntu 18.04.1 LTS                                      |          | 07/05/2019 07:12 PM |  |
| 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             |
| 3763 | osmo-sip-connector           | Bug     | New         | Normal   | Implement correct handling for call answered elsewhere                                     |          | 01/22/2019 01:03 PM |  |
| 3741 | osmo-sip-connector           | Bug     | New         | Normal   | Unknow call parameters shown in vty  |          | 12/28/2018 02:01 PM |  |
| 3731 | OsmoMGW                      | Bug     | New         | Normal   | TTCN3 TC_rtpem_selftest randomly fails   |          | 01/08/2020 10:18 PM |  |

| #    | Project  | Tracker | Status  | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|--|---------|---------|----------|---|----------|---------------------|-----------------------------------|
| 3724 | osmo-sip-connector                                     | Bug     | New     | Normal   | Wrong media format used in SIP INVITE causes one-way audio                                      |          | 12/11/2018 02:57 PM | Related to #3724,Related to #5177 |
| 3696 | OsmoSGSN   | Bug     | New     | Normal   | Intermittent Connection Drop  |          | 01/08/2020 10:48 PM |                                   |
| 3689 | OsmoSGSN   | Bug     | New     | Normal   | Support Cisco GGSN (Cisco 7200 with IOS 12.4.x)   |          | 04/09/2019 11:21 AM |                                   |
| 3676 | OsmoGSMTester  | Bug     | New     | Normal   | ofono: org.ofono.ConnectionManager property Bearer returning "none"                             |          | 06/09/2020 08:39 PM |                                   |
| 3663 | gr-osmosdr   | Bug     | New     | Normal   | Can't compile gr-osmosdr on macOS Mojave  |          | 10/19/2018 02:37 PM |                                   |
| 3653 | OsmocomBB  | Bug     | New     | Normal   | FACCH/H sometimes not received by BTS with osmocomBB+motorolaCXX                                |          | 10/22/2018 02:37 PM | Related to #5518                  |
| 3652 | OsmocomBB  | Bug     | New     | Normal   | Incorrect IMEISV setting in mobile application  |          | 10/12/2018 08:20 PM |                                   |
| 3629 | OsmocomBB  | Bug     | New     | Normal   | mobile aborting after 'test re-selection 1' on vty  |          | 10/04/2018 02:58 PM |                                   |
| 3591 | rtl-sdr  | Bug     | New     | Normal   | No Way To Detect Occasional Failed Bulk Transfers   |          | 09/25/2018 01:29 PM |                                   |
| 3590 | rtl-sdr  | Bug     | New     | Normal   | Key Functions Missing Documentation   |          | 09/25/2018 01:04 PM |                                   |
| 3589 | rtl-sdr  | Bug     | New     | Normal   | Zerocopy Buffers Unusable Outside Callback Without memcpy()                                     |          | 09/25/2018 12:58 PM |                                   |
| 3588 | rtl-sdr  | Bug     | New     | Normal   | Error Values Inconsistent   |          | 09/25/2018 12:47 PM |                                   |
| 3531 | OP25   | Bug     | New     | Normal   | Unknown status of the p25 wireshark plugin  |          | 10/06/2022 05:52 AM |                                   |
| 3459 | OsmocomBB SDR PHY                                      | Bug     | Stalled | Normal   | apps/grgsm_trx: AssertionError: packe t_info.packet_count == (seq_to_ack & 0xff)                |          | 07/09/2023 07:48 PM |                                   |
| 3458 | OsmocomBB SDR PHY                                      | Bug     | Stalled | Normal   | apps/grgsm_trx: [ERROR] [STREAMER] rcv packet demuxer unexpected sid 0xXX                       |          | 07/09/2023 07:48 PM | Related to #3692                  |
| 3442 | OsmoMGW  | Bug     | New     | Normal   | fix int mgcp_codec_decide() in mgcp_codec.c   |          | 09/04/2019 09:26 AM |                                   |
| 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 |                                   |
| 3401 | OsmocomBB  | Bug     | New     | Normal   | target/firmware/l1ctl: both chan_nr and link_id are not set for L1CTL_DATA_CONF                 |          | 07/16/2018 11:56 PM |                                   |
| 3284 | OsmoPCU  | Bug     | New     | Normal   | GPRS cell re-selection appears sticky in packet transfer / packet idle mode                     |          | 01/08/2020 10:45 PM | Related to #2400,Related to #3284 |
| 3243 | OsmoBSC  | Bug     | New     | Normal   | there is MGW config for each separate 'msc', but the MGW settings are stored only once globally |          | 05/07/2018 03:10 PM |                                   |
| 3240 | gr-osmosdr   | Bug     | New     | Normal   | Expose airspy gain setting in gr-osmosdr block  |          | 06/03/2018 12:08 PM |                                   |
| 3224 | OsmoSGSN   | Bug     | New     | Normal   | verify ciphering after UMTS AKA   |          | 01/08/2020 10:48 PM | Related to #3193,Related to #3224 |
| 3201 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Bug     | New     | Normal   | OsmoDevCon: Add one more rectangular table  |          | 04/23/2018 07:00 PM |                                   |

| #    | Project  | Tracker | Status   | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|--|---------|----------|----------|--|----------|---------------------|-----------------------------------|
| 3200 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Bug     | New      | Normal   | OsmoDevCon: Use loudspeakers even at IN-Berlin                                 |          | 04/23/2018 06:53 PM |                                   |
| 3141 | OsmoTRX  | Bug     | New      | Normal   | Refactor / clean up TRX CTRL / DATA interfaces implementation                  |          | 04/05/2018 05:46 PM |                                   |
| 3046 | OsmoGSMTester  | Bug     | New      | Normal   | ofono: SierraW modem fails to power on   |          | 01/08/2020 10:41 PM |                                   |
| 3000 | OsmoBSC  | Bug     | New      | Normal   | OsmoBSC issues "RSL Connect" command too early -> race conditions              |          | 02/25/2018 12:32 PM | Related to #2470,Related to #4179 |
| 2995 | OsmocomBB  | Bug     | New      | Normal   | Wrong parsing of PAGING TYPE 3   |          | 02/24/2018 11:03 PM | Related to #2994                  |
| 2962 | OsmoSGSN   | Bug     | New      | Normal   | Missing TTCN-3 test cases  |          | 01/08/2020 10:47 PM |                                   |
| 2960 | OsmoSGSN   | Bug     | New      | Normal   | OsmoSGSN confirms PDP CTX ACT to MS/Gb despite missing conditional IEs on GTP  |          | 01/08/2020 10:48 PM |                                   |
| 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 |
| 2957 | OsmoSGSN   | Bug     | New      | Normal   | No timeout during GSUP PURGE MS to HLR   |          | 01/08/2020 10:47 PM |                                   |
| 2953 | OsmoSGSN   | Bug     | New      | Normal   | No timeout waiting for UpdateLocation Response on GSUP                         |          | 01/08/2020 10:47 PM | Related to #2952                  |
| 2943 | OsmoMSC  | Bug     | New      | Normal   | Errors in MGCP do not propagate back to MNCC gsm_subscriber_conn state machine |          | 09/04/2019 09:21 AM |                                   |
| 2941 | OsmoGSMTester  | Bug     | New      | Normal   | ofono: SierraW sometimes crashing while deactivating a context.                |          | 01/08/2020 10:40 PM |                                   |
| 2928 | OsmoMSC  | Bug     | New      | Normal   | OsmoMSC doesn't do BSSMAP ASSIGNMENT if no MNCC_RTP_CREATE is received         |          | 02/11/2018 05:38 PM |                                   |
| 2916 | OsmoMSC  | Bug     | New      | Normal   | asan failure on debian unstable in msc_vlr_test_gsm_ciph                       |          | 02/09/2018 04:20 PM |                                   |
| 2883 | OsmoMSC  | Bug     | New      | Normal   | GSUP encoding of MSISDN is wrong   |          | 10/20/2020 08:41 AM | Related to #4324,Related to #4333 |
| 2851 | OsmoMSC  | Bug     | Stalled  | Normal   | a_iface.c:534 Unhandled SIGTRAN primitive: 3:2                                 |          | 07/18/2019 05:45 AM |                                   |
| 2809 | Z-Netz   | Bug     | New      | Normal   | Build ZConnect <-> UseNet gateway  |          | 01/01/2018 01:33 PM |                                   |
| 2808 | Z-Netz   | Bug     | New      | Normal   | Create + Document VM/emulation setup for running ZERBERUS                      |          | 01/01/2018 01:09 PM |                                   |
| 2797 | linmodem   | Bug     | New      | Normal   | X11 support is 16bit plane only  |          | 05/07/2022 11:34 PM |                                   |
| 2713 | OsmoGSMTester  | Bug     | New      | Normal   | ofono: chosen pdp type (v4, v6, dual) not strictly followed in ofono qmi       |          | 01/08/2020 10:40 PM | Related to #2713                  |
| 2705 | OsmocomBB  | Bug     | New      | Normal   | GSM48_MMR_NREG_REQ followed by GSM48_MMR_REG_REQ don't attach to the network   |          | 12/03/2017 09:50 PM |                                   |
| 2694 | OsmocomBB  | Bug     | New      | Normal   | SIGSEGV in lapdm code  |          | 11/30/2017 08:45 AM | Related to #2694                  |
| 2691 | OsmoNITB   | Bug     | Feedback | Normal   | Old TMSI paged after LU  |          | 05/17/2018 11:47 AM |                                   |
| 2690 | OsmocomBB  | Bug     | New      | Normal   | ASAN issue on shutdown/no shutdown SYSINFO access                              |          | 11/29/2017 09:33 AM |                                   |
| 2688 | libosmocore  | Bug     | New      | Normal   | CTRL iface: make rate_ctr request parser more strict                           |          | 03/24/2021 12:37 PM | Related to #4443                  |

| #    | Project  | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|--|---------|-------------|----------|--|----------|---------------------|-----------------------------------|
| 2650 | OsmoMGW  | Bug     | New         | Normal   | how can osmo-mgw send a dummy RTP packet before CRCX ACK?                            |          | 06/08/2020 07:08 PM | Related to #4005                  |
| 2621 | OsmoGSMTester  | Bug     | New         | Normal   | Gobi2000: might stopped working because all CID got assigned                         |          | 01/08/2020 10:40 PM |                                   |
| 2615 | OsmoGSMTester  | Bug     | New         | Normal   | Add API to check GPS lock in BTS   |          | 11/03/2017 05:00 PM |                                   |
| 2607 | rtl-sdr  | Bug     | New         | Normal   | rtl-sdr gnuradio cfile is outdated   |          | 06/03/2018 12:23 PM |                                   |
| 2440 | libosmo-netif  | Bug     | New         | Normal   | Osmux: Improve lost packet recreation mechanism                                      |          | 12/01/2019 10:11 AM | Blocks #2439                      |
| 2439 | libosmo-netif  | Bug     | New         | Normal   | Osmux: overwrite duplicated RTP packets instead of dropping them                     |          | 12/01/2019 10:11 AM | Blocks #2439                      |
| 2438 | OsmoNITB   | Bug     | New         | Normal   | MS not registered from osmocom PoV, but registered from ofono PoV                    |          | 08/14/2017 09:36 AM |                                   |
| 2431 | OsmoGSMTester  | Bug     | New         | Normal   | osmo-gsm-tester: add test case: MS sends SMS to ESME                                 |          | 08/10/2017 03:47 PM |                                   |
| 2414 | OsmoNITB   | Bug     | New         | Normal   | SMSC: deliverSM message with no user_message_reference                               |          | 08/15/2017 05:53 PM | Related to #2413,Related to #2414 |
| 2382 | OsmoBSC  | Bug     | New         | Normal   | T3105 not consistently communicated to all BTS models                                |          | 03/05/2018 07:02 PM |                                   |
| 2305 | OsmoSGSN   | Bug     | New         | Normal   | review 'laforge/santos' branch and check if there are pending fixes                  |          | 01/08/2020 10:56 PM |                                   |
| 2292 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Bug     | New         | Normal   | Time with community users during OsmoCon   |          | 05/25/2017 03:03 PM |                                   |
| 2238 | OsmoGSMTester  | Bug     | In Progress | Normal   | ofono: Gobi modem: cannot receive SMS  |          | 01/08/2020 10:42 PM | Related to #2238                  |
| 2216 | gr-osmosdr   | Bug     | New         | Normal   | uhd: LO offset doesn't seem to work properly   |          | 06/03/2018 12:08 PM |                                   |
| 2179 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Bug     | New         | Normal   | no sign about OsmoCon outside of venue   |          | 04/24/2017 07:10 PM |                                   |
| 1955 | OsmoNITB   | Bug     | New         | Normal   | Investigate "Bad signalling message" error   |          | 03/05/2018 07:33 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 |                                   |
| 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 |
| 1916 | OsmocomBB  | Bug     | New         | Normal   | building GNU ARM toolchain with gcc-4.8 fails on modern texinfo                      |          | 10/16/2017 02:14 PM |                                   |
| 1907 | osmo-qcdiag  | Bug     | New         | Normal   | osmo-qcdiag detects CRC errors relatively often                                      |          | 01/23/2017 01:47 AM |                                   |
| 1904 | OsmoNITB   | Bug     | New         | Normal   | get rid of deprecated functions  |          | 03/05/2018 07:33 PM |                                   |
| 1899 | osmo-qcdiag  | Bug     | New         | Normal   | osmo-qcdiag: DIAG based pcap tracing (DPL) not working                               |          | 01/11/2017 12:15 PM |                                   |
| 1881 | OsmoSGSN   | Bug     | In Progress | Normal   | don't send PDP CTX DEACT ACK to MS when destroying PDP ctx indepent from MS requests |          | 01/08/2020 10:49 PM |                                   |
| 1838 | OsmoPCU  | Bug     | Stalled     | Normal   | Nokia E52 doest reply to PUAN message properly                                       |          | 10/29/2017 06:47 PM |                                   |
| 1829 | OsmoNITB   | Bug     | New         | Normal   | Fix warnings introduced by ctrl constify   |          | 03/05/2018 07:34 PM |                                   |



| #    | Project  | Tracker | Status  | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|--|---------|---------|----------|--|----------|---------------------|--|
| 1818 | OsmoSGSN                                       | Bug     | New     | Normal   | luPS: CN should lu Release in certain situations                         |          | 01/08/2020 10:47 PM | Related to #1818,Related to #3302,Related to #3908                                   |
| 1813 | Qualcomm Linux Modems by Quectel & Co          | Bug     | New     | Normal   | cat /dev/snd/* causes kernel oops  |          | 09/30/2016 04:00 PM |  |
| 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         |
| 1678 | SDR (Software Defined Radio)                   | Bug     | New     | Normal   | Use -undefined dynamic_lookup when using Python and building on Mac OS X |          | 03/30/2016 11:25 PM |  |
| 1624 | OsmoPCU  | Bug     | New     | Normal   | add CRBB support to write_packet_ack_nack_desc_egprs                     |          | 10/20/2020 08:37 AM |  |
| 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 |
| 1577 | OsmoBTS  | Bug     | New     | Normal   | mph_send_config_logchpar doesn't update encryption config                |          | 02/23/2016 03:39 PM |  |
| 1550 | OsmoPCU  | Bug     | New     | Normal   | Cell reselection under network control                                   |          | 02/23/2016 03:06 PM |  |
| 1482 | Mobile (in)Security                            | Bug     | New     | Normal   | Sending the TMSI of the old/previous network                             |          | 02/21/2016 04:35 PM |  |
| 1479 | Mobile (in)Security                            | Bug     | New     | Normal   | MTK stack unable to send MO-SMS on TCH/F                                 |          | 04/03/2019 09:01 AM |  |
| 54   | OsmoNITB                                       | Bug     | New     | Normal   | osmo-nitb keeps rtp-proxy socket open in case no DLCX_IND is sent        |          | 03/05/2018 07:34 PM |  |
| 48   | OsmoNITB                                       | Bug     | New     | Normal   | Periodic timer and paging  |          | 03/05/2018 07:34 PM |  |
| 41   | OsmoMSC  | Bug     | New     | Normal   | Numbering Plan in OsmoMSC  |          | 06/23/2018 07:37 PM |  |
| 38   | OsmoNITB                                       | Bug     | New     | Normal   | subscr_update should sync database before dispatching the signal         |          | 03/05/2018 07:34 PM |  |
| 37   | OsmoNITB                                       | Bug     | New     | Normal   | RTP Proxy dealing with SSRC change and sequence numbers                  |          | 03/05/2018 07:34 PM |  |
| 34   | OsmoBSC  | Bug     | New     | Normal   | ipaccess init code needs proper state machines                           |          | 12/10/2017 08:16 PM | Related to #34   |
| 6408 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New     | Normal   | osmo-epdg: Support check IMEI  |          | 03/15/2024 06:45 PM |  |
| 6407 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New     | Normal   | osmo-epdg: Support Emergency services (no IMSI)                          |          | 03/15/2024 06:43 PM |  |
| 6388 | libosmocore                                    | Feature | New     | Normal   | stats_reporter via osmo_io / io_uring?                                   |          | 03/02/2024 04:54 PM | Related to #6388   |
| 6367 | pySim  | Feature | New     | Normal   | PC/SC <-> Android OMAPI bridge for pySim and others                      |          | 02/17/2024 01:34 PM |  |

| #    | Project  | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|--|---------|-------------|----------|---|----------|---------------------|-----------------------------------|
| 6348 | OsmocomBB                                      | Feature | New         | Normal   | virtphy: add Circuit Switched Data (CSD) support                                    |          | 01/26/2024 10:03 PM | Related to #6348                  |
| 6347 | OsmocomBB                                      | Feature | New         | Normal   | mobile: support data calls @ 300 bps and 1200/75 bps (TCH/[FH]2.4)                  |          | 01/26/2024 09:54 PM | Related to #6347                  |
| 6346 | OsmocomBB                                      | Feature | New         | Normal   | mobile: support data calls @ 14400 bps (TCH/F14.4)                                  |          | 01/26/2024 10:03 PM | Related to #6346,Related to #6346 |
| 6344 | libosmocom                                     | Feature | New         | Normal   | New TS 24.008 Bearer Capability codec API   |          | 01/24/2024 11:19 PM | Related to #6344                  |
| 6332 | osmo-ePDG - VoWiFi Evolved Packet Data Gateway | Feature | New         | Normal   | osmo-epdg: Write User Manual  |          | 01/18/2024 04:15 PM | Related to #6332                  |
| 6316 | pySim  | Feature | New         | Normal   | include test data in user manual  |          | 12/23/2023 03:10 PM |                                   |
| 6298 | OsmoGGSN (former OpenGGSN)                     | Feature | New         | Normal   | osmo-ggsn not providing MTU of the GTP tunnel to the MS                             |          | 02/15/2024 10:30 PM | Related to #6298                  |
| 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                  |
| 6242 | Core testing infrastructure                    | Feature | New         | Normal   | Test eUPF against ttcn3-upf-test setup  |          | 12/18/2023 11:33 AM |                                   |
| 6239 | libosmo-sccp + libosmo-sigtran                 | Feature | New         | Normal   | finally deprecate libosmo-sccp (headers, static lib)                                |          | 10/31/2023 07:31 PM |                                   |
| 6224 | Retronetworking                                | Feature | Feedback    | Normal   | how to document the rescued EWSD  |          | 10/18/2023 04:51 PM |                                   |
| 6036 | OsmoBTS  | Feature | New         | Normal   | Implement ternary SID classification for HR1 uplink                                 |          | 05/17/2023 09:48 PM | Related to #6036,Related to #6036 |
| 6000 | OsmoMSC  | Feature | New         | Normal   | Allow emergency calls without IMSI (using IMEI as MI)                               |          | 04/12/2023 11:03 AM | Related to #6000                  |
| 5900 | OsmoUPF  | Feature | In Progress | Normal   | make sure chain ids used in the tunmap nft ruleset are unused                       |          | 02/09/2023 05:34 PM |                                   |
| 5867 | OsmoHNBGW                                      | Feature | New         | Normal   | HNBGW_Tests.ttcn should do HNBAP UE Register and De-Register tests                  |          | 01/21/2023 02:30 AM |                                   |
| 5853 | OsmoSGSN                                       | Feature | New         | Normal   | osmo-sgsn: Rework to use libosmo-gprs   |          | 01/11/2023 03:14 PM |                                   |
| 5838 | OsmoGSMTester                                  | Feature | New         | Normal   | Implement power switching for all BTSs  |          | 12/20/2022 05:30 PM |                                   |
| 5834 | OsmoPCU  | Feature | New         | Normal   | VTY option "two-phase-access" is misleading   |          | 12/19/2022 06:55 PM |                                   |
| 5814 | OsmoUPF  | Feature | New         | Normal   | tunmap: more concisely match on GTP-U packets                                       |          | 12/06/2022 07:30 PM |                                   |
| 5808 | gr-osmosdr                                     | Feature | New         | Normal   | New option, for selecting an input channel of a soapy_source_c                      |          | 12/05/2022 11:45 AM |                                   |
| 5780 | OsmoMSC  | Feature | New         | Normal   | Implement/Support UUS1  |          | 01/24/2023 10:48 AM |                                   |
| 5771 | Cellular Network Infrastructure                | Feature | New         | Normal   | series of presentations about the individual CNI network elements                   |          | 11/14/2022 07:25 PM |                                   |
| 5768 | Retronetworking                                | Feature | New         | Normal   | retronetworking logo / artwork  |          | 04/07/2024 10:40 PM |                                   |
| 5762 | Core testing infrastructure                    | Feature | New         | Normal   | Develop TTCN-3 test suite for PGW   |          | 11/10/2022 06:38 PM |                                   |

| #    | Project                               | Tracker | Status  | Priority | Subject   | Assignee | Updated             | Related issues                                     |
|------|---------------------------------------|---------|---------|----------|---|----------|---------------------|--|
| 5761 | Core testing infrastructure           | Feature | New     | Normal   | Develop TTCN-3 test suite for SGW   |          | 11/09/2022 09:49 PM |  |
| 5721 | OsmoCBC                               | Feature | New     | Normal   | CBC messages Geographical Scope and CBS Index   |          | 10/19/2022 07:23 AM |  |
| 5662 | OsmoUPF                               | Feature | New     | Normal   | add Linux kernel options to manual  |          | 08/24/2022 03:13 PM |  |
| 5648 | libosmo-pfcp                          | Feature | New     | Normal   | implement common PFCP CPF client VTY config   |          | 08/17/2022 03:29 PM | Related to #5648                                   |
| 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                  |
| 5641 | OsmoCBC                               | Feature | New     | Normal   | OsmoCBC doesn't yet support reloading cells becoming operational with active messages |          | 08/05/2022 05:10 PM |  |
| 5586 | OsmoBSC                               | Feature | New     | Normal   | Ericsson RBS could recover Unlocked state without osmo-bsc restart                    |          | 06/21/2022 10:23 PM | Related to #5983                                   |
| 5546 | OCTOI - Osmocom Community TDM over IP | Feature | New     | Normal   | build frame relay "hub" similar to ISDN "hub"   |          | 04/24/2022 03:03 PM |  |
| 5543 | Retronetworking                       | Feature | New     | Normal   | Contact manufacturers for leftover stock  |          | 06/27/2023 09:05 PM |  |
| 5505 | OsmocomBB                             | Feature | New     | Normal   | GPRS mobility (cell change) support   |          | 07/01/2022 06:24 AM | Related to #5505                                   |
| 5504 | OsmocomBB                             | Feature | New     | Normal   | GSM/GPRS coordination (RR/GRR)  |          | 05/23/2023 12:31 PM | Related to #5504                                   |
| 5484 | Open Source IMS Client                | Feature | New     | Normal   | create setup for nested IPsec (doubango on top of StrongSWAN)                         |          | 03/07/2022 11:19 AM |  |
| 5483 | Open Source IMS Client                | Feature | New     | Normal   | SIM card interface for strongswan   |          | 03/07/2022 03:19 PM |  |
| 5482 | Open Source IMS Client                | Feature | New     | Normal   | VoWiFi client for creating [outer] IPsec tunnel to ePDG                               |          | 03/07/2022 09:33 PM | Related to #5482                                   |
| 5468 | OsmoMGW                               | Feature | New     | Normal   | osmo-mgw: 2g<->3g call support  |          | 06/03/2022 10:39 AM | Related to #5468,Related to #5468,Related to #5468 |
| 5446 | Cellular Network Infrastructure       | Feature | New     | Normal   | correlate git version to ttcn3 tests  |          | 02/07/2022 09:40 PM | Related to #5446                                   |
| 5443 | OCTOI - Osmocom Community TDM over IP | Feature | New     | Normal   | possibility to transmit frames from multiple lines in one packet                      |          | 02/06/2022 08:15 AM |  |
| 5434 | OCTOI - Osmocom Community TDM over IP | Feature | Stalled | Normal   | more statistics / counters  |          | 12/03/2023 11:17 AM |  |
| 5395 | OsmocomDECT                           | Feature | New     | Normal   | Support for LMX3161   |          | 01/09/2022 12:55 PM |  |
| 5323 | Core testing infrastructure           | Feature | New     | Normal   | Add docker image containing titan.core master   |          | 12/15/2021 04:43 PM | Related to #6187                                   |
| 5307 | Ericsson RBS 6xxx                     | Feature | New     | Normal   | Support for Multiple Sectors at an RBS site.  |          | 11/13/2021 08:20 PM |  |
| 5267 | pySim                                 | Feature | New     | Normal   | pySim-shell: Ability to deactivate entire applications on the card                    |          | 10/14/2021 07:12 PM | Related to #5268                                   |
| 5047 | OsmoSDR                               | Feature | New     | Normal   | Inconsistencies between SDR's in bias-tee parameter                                   |          | 12/19/2021 01:17 PM |  |

| #    | Project                        | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues  |
|------|--------------------------------|---------|-------------|----------|--|----------|---------------------|---|
| 4967 | OsmoPCU                        | Feature | New         | Normal   | osmo-pcu: Avoid sending new DL EGPRS blocks to MS announcing MS_OUT_OF_MEMORY                        |          | 01/21/2021 02:26 PM |   |
| 4961 | osmo-gbproxy                   | Feature | New         | Normal   | gbproxy support for "network sharing" via MOCN   |          | 01/20/2021 08:38 PM |   |
| 4846 | OsmoPCU                        | Feature | New         | Normal   | change RBB received block bitmap into 1s when everything was acked                                   |          | 11/04/2020 02:29 AM |   |
| 4717 | OsmoMSC                        | Feature | New         | Normal   | support Handover with changing codec   |          | 08/18/2020 05:14 PM | Related to #4717  |
| 4638 | Altair LTE Modems              | Feature | New         | Normal   | Mikrotik R11e-4G mtd dump  |          | 06/13/2021 10:15 AM |   |
| 4635 | libosmo-sccp + libosmo-sigtran | Feature | New         | Normal   | quirks when initializing SS7 ASP   |          | 06/25/2020 04:46 PM | Related to #4635  |
| 4633 | OsmoMSC                        | Feature | New         | Normal   | update the Cell ID in the VLR after an inter-BSC / inter-MSC handover                                |          | 06/24/2020 12:40 PM |   |
| 4632 | OsmoMSC                        | Feature | New         | Normal   | update the cell id in the VLR when receiving BSSMAP HANDOVER PERFORMED from the BSC                  |          | 06/24/2020 12:35 PM | Related to #4632  |
| 4596 | OsmocomTETRA                   | Feature | New         | Normal   | Port to GR3.8  |          | 01/08/2021 05:23 PM |   |
| 4591 | libosmocore                    | Feature | New         | Normal   | Export FSM states and statistics with counters   |          | 03/24/2021 12:34 PM |   |
| 4590 | libosmocore                    | Feature | New         | Normal   | Export talloc data as counters for better memory leakage monitoring in production                    |          | 09/12/2022 03:53 PM |   |
| 4580 | SDR (Software Defined Radio)   | Feature | New         | Normal   | gr-osmosdr compilation under GnuRadio 3.9.0  |          | 06/04/2020 01:13 AM |   |
| 4551 | OsmoMGW                        | Feature | New         | Normal   | Dynamic/runtime allocation of new endpoints  |          | 05/14/2020 10:56 PM |   |
| 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                                   |
| 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 |
| 4536 | OsmoBSC                        | Feature | New         | Normal   | Multi BTS support within a single physical device  |          | 06/21/2020 01:10 PM |   |
| 4525 | Cellular Modem Information     | Feature | New         | Normal   | MTK  |          | 05/03/2020 03:57 PM | Is duplicate of #4525   |
| 4490 | IMSI Pseudonymization          | Feature | New         | Normal   | Specification: how would IMSI-pseudo interact within a combined (2G-4G)+5G network?                  |          | 04/16/2020 08:44 AM |   |
| 4489 | IMSI Pseudonymization          | Feature | New         | Normal   | Specification: mark mandatory parts / implementation details as such                                 |          | 04/16/2020 08:44 AM |   |
| 4488 | OsmoPCU                        | Feature | New         | Normal   | have uplink/downlink tests for all CS/MCS  |          | 11/25/2020 07:28 PM | Related to #4488,Related to #4510                                   |
| 4486 | IMSI Pseudonymization          | Feature | New         | Normal   | Applet: gracefully handle case where timer is set twice  |          | 04/16/2020 08:45 AM |   |
| 4479 | IMSI Pseudonymization          | Feature | New         | Normal   | Applet: change IMSI after receiving SMS  |          | 04/16/2020 08:45 AM |   |
| 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  |

| #    | Project                         | Tracker | Status   | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|---------------------------------|---------|----------|----------|---|----------|---------------------|-----------------------------------|
| 4477 | IMSI Pseudonymization           | Feature | New      | Normal   | OsmoHLR: send next pseudo IMSI via SMS                                      |          | 04/16/2020 08:45 AM | Blocks #4477,Blocks #4477         |
| 4455 | OP25                            | Feature | New      | Normal   | AMBE CODEC  |          | 03/28/2020 09:53 PM |                                   |
| 4433 | OsmoGGSN (former OpenGGSN)      | Feature | New      | Normal   | sgsnemu: Add support for IPv4v6 EUAs  |          | 03/04/2020 10:44 AM |                                   |
| 4418 | OsmocomBB                       | Feature | New      | Normal   | test-sim: support all libosmocore algorithms (comp128 v1, v2, v3; MILENAGE) |          | 02/26/2020 11:41 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 |                                   |
| 4404 | IMSI Pseudonymization           | Feature | Stalled  | Normal   | Research: Make sure that we can silently detach the IMSI                    |          | 04/15/2020 10:06 AM | Related to #4404,Related to #4480 |
| 4403 | IMSI Pseudonymization           | Feature | Feedback | Normal   | OsmoHLR: How to interface with SMS service?                                 |          | 04/16/2020 08:45 AM | Blocks #4477                      |
| 4376 | Cellular Network Infrastructure | Feature | New      | Normal   | Define distinct X timer numbers across all osmo programs                    |          | 01/23/2020 09:21 PM |                                   |
| 4374 | OsmoMSC                         | Feature | New      | Normal   | send GSUP PurgeMS Request (CN-Domain = CS) to the HLR upon IMSI-Detach      |          | 01/23/2020 03:19 AM |                                   |
| 4362 | OsmoTRX                         | Feature | Stalled  | Normal   | osmo-trx-lms: Support multi-arfcn feature                                   |          | 09/30/2020 08:09 PM | Related to #4362,Related to #4362 |
| 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                  |
| 4196 | OsmoMSC                         | Feature | New      | Normal   | CC Setup, Call Confirmed: decode and use the Supported Codec List IE        |          | 09/25/2019 05:27 PM |                                   |
| 4124 | OsmoBSCNAT                      | Feature | New      | Normal   | OsmoBSCNAT : Write user manual  |          | 01/08/2020 10:56 PM | Related to #4124                  |
| 4033 | OsmoGGSN (former OpenGGSN)      | Feature | New      | Normal   | ttn3-ggsn-test: Add tests to verify secondary pdp context management        |          | 05/30/2019 03:19 PM |                                   |
| 3738 | OsmoMSC                         | Feature | New      | Normal   | Clarify PS-part of struct vlr_subscr  |          | 12/19/2018 12:34 PM |                                   |
| 3687 | OsmoMSC                         | Feature | New      | Normal   | Expand "show bsc" command   |          | 11/11/2018 09:50 PM |                                   |
| 3607 | OsmoSTP                         | Feature | New      | Normal   | Support for capability point codes  |          | 10/03/2018 08:58 AM |                                   |
| 3606 | OsmoSTP                         | Feature | New      | Normal   | Support for multiple NI (network indicator)                                 |          | 10/03/2018 08:58 AM |                                   |
| 3605 | OsmoSTP                         | Feature | New      | Normal   | Global Title Translation  |          | 07/18/2019 05:15 AM |                                   |
| 3604 | OsmoSTP                         | Feature | New      | Normal   | Global Title Routing  |          | 07/18/2019 05:15 AM |                                   |
| 3596 | gr-osmosdr                      | Feature | New      | Normal   | TX Tags   |          | 09/25/2018 04:01 PM |                                   |
| 3595 | gr-osmosdr                      | Feature | New      | Normal   | RX Tags   |          | 09/25/2018 04:01 PM |                                   |
| 3594 | gr-osmosdr                      | Feature | New      | Normal   | Message Commands  |          | 09/25/2018 03:59 PM |                                   |
| 3564 | OsmoGSMTester                   | Feature | New      | Normal   | Investigate ofono and modems Cell Broadcast support                         |          | 01/08/2020 10:42 PM | Related to #3564                  |

| #    | Project                | Tracker | Status  | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|------------------------|---------|---------|----------|--|----------|---------------------|-----------------------------------|
| 3481 | OsmoBSC                | Feature | New     | Normal   | handover from TCH/H to TCH/F to reduce load                |          | 06/08/2020 07:08 PM | Related to #3481,Related to #3481 |
| 3480 | OsmoBSC                | Feature | New     | Normal   | handover from TCH/F to TCH/H to reduce load                |          | 06/08/2020 07:08 PM | Related to #3480,Related to #3481 |
| 3479 | OsmoBSC                | Feature | New     | Normal   | test "every single failure" in osmo-bsc FSMs               |          | 08/20/2018 11:15 AM | Related to #3479                  |
| 3445 | OsmoMSC                | Feature | Stalled | Normal   | SS/USSD: clean up the local GSM 04.80 API                  |          | 12/14/2018 01:57 PM |                                   |
| 3424 | OsmocomBB SDR PHY      | Feature | Stalled | Normal   | Transceiver: implement automatic TX delay measurement      |          | 07/09/2023 07:46 PM |                                   |
| 3423 | OsmocomBB SDR PHY      | Feature | Stalled | Normal   | Receiver: hard-coded GSM 05.02 channel configuration       |          | 07/09/2023 07:45 PM |                                   |
| 3344 | OsmoTRX                | Feature | New     | Normal   | merge ttsou/siggen   |          | 06/13/2018 07:26 PM |                                   |
| 3330 | OsmoBSC                | Feature | New     | Normal   | osmo-bsc: Implement IMMEDIATE ASSIGNMENT EXTENDED          |          | 06/08/2018 12:14 PM | Related to #3330                  |
| 3329 | OsmoBTS                | Feature | New     | Normal   | osmo-bts: Implement IMMEDIATE ASSIGNMENT EXTENDED          |          | 06/08/2018 12:02 PM | Related to #3330                  |
| 3309 | libosmocore            | Feature | New     | Normal   | osmo_timer_* should use monotonic clock                    |          | 05/31/2018 03:59 PM | Related to #3309                  |
| 3097 | OsmoBSC                | Feature | New     | Normal   | ramping of "rxlev access min"                              |          | 03/22/2018 11:51 AM | Related to #3097                  |
| 3038 | multi-voltage USB UART | Feature | New     | Normal   | Add mounting holes?  |          | 03/07/2018 02:12 AM |                                   |
| 2861 | OsmoGSMTester          | Feature | New     | Normal   | osmo-gsm-tester: Add 3g support for sysmocell-5k           |          | 12/02/2019 01:36 PM | Related to #2860                  |
| 2815 | linmodem               | Feature | New     | Normal   | modern ptmx / pty handling (UNIX 98)                       |          | 01/01/2018 02:48 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 |                                   |

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