

## 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 |   |
| 5574 | OsmoBSCNAT                                     | Bug     | New         | Urgent    | OsmoBSCNAT testsuite running in jenkins                                       | Hoernchen | 10/06/2022 11:46 AM | Related to #5574  |
| 5481 | Open Source IMS Client                         | Feature | New         | Urgent    | SIM card interface for doubango   | laforge   | 03/25/2022 11:00 AM | Related to #5482  |
| 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 |   |
| 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     |
| 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  |
| 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  |
| 6436 | OsmoPCU  | Bug     | New         | High      | high cpu usage, entire BTS unresponsive after some hours                      | keith     | 04/13/2024 04:32 PM |   |
| 6337 | OsmocomBB                                      | Bug     | New         | High      | bad fr audio with gapk/ms-sdr   |           | 01/22/2024 09:21 PM | Related to #6337  |
| 6294 | OsmoSGSN                                       | Feature | New         | High      | Support GN/Gp interoperation procedures between SGSN and MME                  | daniel    | 05/08/2024 01:00 PM | Related to #6294,Related to #6439                                   |
| 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                                       |
| 6169 | osmo-e1d                                       | Bug     | New         | High      | Frame masking against network frame ordering, not frame numbers               | laforge   | 10/18/2023 03:19 PM |   |
| 5931 | libosmo-netif                                  | Bug     | New         | High      | heap-use-after-free when osmo_stream_srv_destroy() is called inside read_cb() | daniel    | 03/02/2023 11:03 AM |   |
| 5731 | gr-osmosdr                                     | Bug     | New         | High      | Install gr-osmosdr on Ubuntu 20.04  |           | 10/27/2022 01:39 PM |   |
| 5571 | Ericsson RBS 6xxx                              | Bug     | New         | High      | DUG can come up, but with Avail: "Power Off"                                  | dexter    | 11/08/2022 05:10 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 |   |

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| 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 |                                   |
| 5257 | OsmoBTS                         | Bug     | New    | High     | support random padding in SACCH downlink messages   |           | 10/12/2021 11:18 AM | Related to #5257                  |
| 5256 | OsmoBTS                         | Feature | New    | High     | support for random padding in LAPDm downlink messages   |           | 10/12/2021 11:17 AM | Related to #5256                  |
| 5144 | gr-osmosdr                      | Bug     | New    | High     | Support multiple Airspy devices   | horiz0n   | 10/21/2023 07:22 PM |                                   |
| 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 |                                   |
| 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                  |
| 4578 | Cellular Network Infrastructure | Bug     | New    | High     | Updated slides / presentations / videos on setting up Osmocom CNI   | laforge   | 02/13/2021 05:35 PM |                                   |
| 4312 | OsmoHLR                         | Bug     | New    | High     | GSUP keepalives / connection loss detection   |           | 10/12/2020 02:42 PM |                                   |
| 4308 | Distributed GSM                 | Support | New    | High     | thoughts about incorporating credit / billing in D-GSM  |           | 12/04/2019 04:08 PM |                                   |
| 4222 | OsmoSGSN                        | Bug     | New    | High     | Implement PS Paging for the Routing Areas   |           | 10/03/2020 02:20 PM | Related to #4222                  |
| 3977 | OsmoCBC                         | Feature | New    | High     | SABP stream delineation routines  | laforge   | 09/23/2019 04:49 AM | Related to #3979,Related to #4944 |
| 3734 | gr-osmosdr                      | Bug     | New    | High     | Cannot compile gr-osmocom   |           | 12/16/2018 12:22 AM |                                   |
| 2955 | OsmoSGSN                        | Bug     | New    | High     | No GMM ATTACH REJECT on GSUP UpdateLocation Error   | lynxis    | 09/10/2019 07:39 PM |                                   |
| 2824 | gr-osmosdr                      | Bug     | New    | High     | Corrupted double-linked for Raspbian Stretch when running osmocom_fft (and any other program using osmosdr.source |           | 06/03/2018 12:08 PM |                                   |
| 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 |
| 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 |                                   |
| 2172 | OP25                            | Bug     | New    | High     | HDU often missing in captures   |           | 04/22/2017 04:14 PM |                                   |
| 2171 | OP25                            | Feature | New    | High     | Use libfftw3 for IFFT/FFT functions.  |           | 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 |                                   |
| 2167 | OP25                            | Feature | New    | High     | Implement Encryption/Decryption P25 blocks  |           | 04/22/2017 04:15 PM |                                   |

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|------|------------------------------|---------|-------------|----------|--|----------|---------------------|------------------------------------|
| 2166 | OP25                         | Feature | New         | High     | Add support for Max's I/Q 455khz downconverter   |          | 04/22/2017 04:15 PM |                                    |
| 2162 | OP25                         | Bug     | New         | High     | Fix bit-ordering in output for VC55.   |          | 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 |                                    |
| 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 |                                    |
| 1925 | OsmoPCU                      | Bug     | New         | High     | Fix padding for MCS8 transition  |          | 01/08/2020 10:31 PM |                                    |
| 1560 | OsmoPCU                      | Feature | New         | High     | EDGE benchmarking / performance optimization / tuning  |          | 01/08/2020 10:31 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 |                                    |
| 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 |                                    |
| 1474 | SDR (Software Defined Radio) | Bug     | New         | High     | USB Claim Interface Error  | steve-m  | 02/20/2016 08:23 PM |                                    |
| 1462 | OsmocomBB                    | Bug     | New         | High     | ../../../../src/utills.c:182:7: error: only weak aliases are supported in this configuration |          | 02/21/2016 04:48 PM |                                    |
| 1458 | OsmocomBB                    | Bug     | New         | High     | AGC broken (strong cell cannot be synced)  | tnt      | 07/18/2019 06:10 AM | Related to #3582                   |
| 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 |                                    |
| 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                   |
| 5921 | SIMtrace 2                   | Bug     | In Progress | High     | simtrace2 cardem vs. Linux kernel USB autosuspend  | laforge  | 09/16/2023 10:47 PM | Related to #5921                   |
| 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 |                                    |
| 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 |

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| 5516 | OsmoTRX  | Feature | In Progress | High     | BladeRF 2.0 Support   | Hoernchen | 02/14/2023 02:59 PM | Is duplicate of #2430  |
| 5480 | Open Source IMS Client                         | Feature | In Progress | High     | Linux kernel IPsec plugin for doubango  | laforge   | 03/25/2022 10:44 AM |  |
| 5349 | OsmoSGSN                                       | Bug     | In Progress | High     | Message for non-existing SNDCCP Entity  |           | 07/17/2023 04:42 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 |  |
| 4107 | Cellular Network Infrastructure                | Feature | In Progress | High     | Start systemd services as non-root user   | osmith    | 04/29/2024 08:12 AM | Related to #4107, Related to #4821, Related to #4107, Related to #5669, Related to #5685, Related to #5687, Related to #5722 |
| 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   |
| 1766 | OsmoPCU  | Bug     | In Progress | High     | KPIs for OsmoPCU: EGPRS   |           | 01/22/2020 02:06 PM | Related to #1766, Related to #1766   |
| 6091 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | Feedback    | High     | osmo-epdg: Implement CEAL interface (GSUP) ePDG <-> strongswan                  | lynxis    | 03/14/2024 04:36 PM |  |
| 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   |
| 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 |  |
| 4940 | OsmoBSC  | Feature | Stalled     | High     | VAMOS support in OsmoBSC  | neels     | 08/11/2021 02:47 PM | Related to #4941   |
| 4916 | osmo-e1d                                       | Bug     | Stalled     | High     | USB unplug / replug renders e1d unusable  | laforge   | 12/04/2023 12:34 PM | Related to #5983   |
| 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 |  |

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|------|-----------------------------|---------|---------|----------|--|----------|---------------------|--|
| 4829 | OsmocomBB                   | Bug     | Stalled | High     | OsmocomBB Rx bit errors in dedicated mode  | laforge  | 02/06/2021 09:11 AM | Related to #4832   |
| 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  |
| 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 |  |
| 4522 | osmo-gbproxy                | Feature | Stalled | High     | gbproxy: Redundancy within proxy pair  | daniel   | 07/09/2021 06:43 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  |
| 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 |  |
| 3717 | OsmoHLR                     | Bug     | Stalled | High     | SS/USSD: fix SS session inactivity timeout   | fixeria  | 12/05/2018 08:45 PM |  |
| 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 |
| 3568 | OsmoBTS                     | Bug     | Stalled | High     | CBCH on SDCCH/8 not working for osmo-bts-sysmo   | laforge  | 01/14/2019 03:29 PM |  |
| 3399 | OsmocomBB                   | Feature | Stalled | High     | mobile: refactor / finish external MNCC handler implementation                                       | fixeria  | 10/04/2018 09:07 PM |  |
| 3379 | SIMtrace 2                  | Bug     | Stalled | High     | documentation on how to use SIMtrace2  | laforge  | 11/14/2022 05:31 PM | Related to #3379   |
| 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   |
| 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  |
| 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  |
| 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   |

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| 2604 | Cellular Network Infrastructure                        | Feature | Stalled | High     | GSUP-to-DIAMETER converter / IWF   | laforge  | 02/29/2020 11:27 AM | Related to #5646                                   |
| 2409 | OsmocomBB  | Feature | Stalled | High     | Add GPRS support to virt_phy and L1CTL   | fixeria  | 08/19/2022 03:06 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 |
| 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                  |
| 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                  |
| 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                  |
| 6448 | Cellular Network Infrastructure                        | Feature | New     | Normal   | Support Themyscira RTP extensions in Osmocom BSS   | falconia | 05/08/2024 08:39 PM |  |
| 6447 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Feature | New     | Normal   | have more time slots without a takl  |          | 05/07/2024 11:48 AM |  |
| 6445 | libosmocore  | Feature | New     | Normal   | GSMTAP version 3   |          | 05/04/2024 02:13 PM |  |
| 6443 | gr-osmosdr   | Bug     | New     | Normal   | RF gain: erroneously using 14  | horiz0n  | 04/27/2024 06:21 PM |  |
| 6441 | OsmoSGSN   | Bug     | New     | Normal   | use-after-free on RAU with invalid Old RAI   |          | 04/22/2024 01:23 PM | Related to #6441                                   |
| 6438 | libosmocore  | Bug     | New     | Normal   | write_config_file() calls blocking sync()  |          | 04/26/2024 09:15 AM |  |
| 6434 | E1/T1 Hardware Interface (including icE1usb)           | Support | New     | Normal   | D-channel do not recover after underrun  |          | 04/27/2024 09:03 PM |  |
| 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 |  |
| 6431 | OsmoHNBGW  | Bug     | New     | Normal   | (coverity) uninitialized asn.1 state / overwriting asn.1 state in HNBAP  | neels    | 04/04/2024 11:08 PM |  |
| 6427 | OsmoMSC  | Bug     | New     | Normal   | ttn3-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 |  |
| 6413 | rtl-sdr  | Bug     | New     | Normal   | Incorrect Debian/Debian-like binary packages   | steve-m  | 03/22/2024 05:09 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 |  |

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| 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 |                                    |
| 6398 | pySim  | Bug     | New    | Normal   | Add helper for SwMatchError  |          | 03/09/2024 09:34 PM |                                    |
| 6393 | libosmocore                                    | Bug     | New    | Normal   | osmo_io conflating osmo_iofd_unregister vs osmo_iofd_close                                   | daniel   | 03/07/2024 09:47 AM |                                    |
| 6388 | libosmocore                                    | Feature | New    | Normal   | stats_reporter via osmo_io / io_uring?   |          | 03/02/2024 04:54 PM | Related to #6388                   |
| 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 |                                    |
| 6367 | pySim  | Feature | New    | Normal   | PC/SC <-> Android OMAPI bridge for pySim and others  |          | 02/17/2024 01:34 PM |                                    |
| 6366 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | New    | Normal   | strongswan: test if gsup_client will resend old requests on reconnect                        | lynxis   | 02/18/2024 09:16 PM | Related to #6366                   |
| 6365 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | New    | Normal   | strongswan: get the PDP type out of the IKE_AUTH/CFG_REQUEST                                 | lynxis   | 02/23/2024 03:29 AM |                                    |
| 6363 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | New    | Normal   | strongswan: Catch IKEv2 disconnects  | lynxis   | 02/17/2024 01:21 AM |                                    |
| 6360 | libosmocore                                    | Bug     | New    | Normal   | libosmovty fails to parse commands like "test (foo bar) [(one two three)]"                   |          | 02/14/2024 09:25 PM |                                    |
| 6356 | libosmo-sccp + libosmo-sigtran                 | Bug     | New    | Normal   | DLGLOBAL ERROR Trying to dispatch event 17 to non-existent FSM instance! (osmo_ss7_as.c:118) | pespin   | 02/08/2024 10:27 PM |                                    |
| 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 | libosmocore                                    | Feature | New    | Normal   | New TS 24.008 Bearer Capability codec API  |          | 01/24/2024 11:19 PM | Related to #6344                   |
| 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                   |
| 6324 | OsmoBSC  | Bug     | New    | Normal   | Making a data call results in BORKEN Ichans  | osmith   | 01/05/2024 09:04 PM |                                    |
| 6323 | OP25   | Bug     | New    | Normal   | Install script is broken on Ubuntu 23.10   |          | 01/05/2024 07:54 PM |                                    |

| #    | Project  | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                                 |
|------|--|---------|--------|----------|---|----------|---------------------|--|
| 6319 | Osmo-CC  | Feature | New    | Normal   | protocol version should have a defined end marker   | neels    | 01/10/2024 01:31 PM |  |
| 6316 | pySim  | Feature | New    | Normal   | include test data in user manual  |          | 12/23/2023 03:10 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                               |
| 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                               |
| 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                          |
| 6295 | OsmoSGSN   | Bug     | New    | Normal   | TMSI realloc complete leads to SecurityModeReject   | osmith   | 12/07/2023 03:15 PM |  |
| 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 |
| 6291 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Bug     | New    | Normal   | 2024 event bringing together FOSS projects related to mobile communications   | laforge  | 12/13/2023 08:54 PM |  |
| 6283 | OsmoHNBGW  | Bug     | New    | Normal   | cnpool: hnbgw fails to extract Mobile Identity from some GMM Attach Request messages  |          | 12/04/2023 01:48 AM |  |
| 6282 | OCTOI - Osmocom Community TDM over IP                  | Bug     | New    | Normal   | high BERT from laforge->divf->manawyrn  | manawyrn | 12/03/2023 04:03 PM | Related to #6282                               |
| 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                               |
| 6265 | pySim  | Feature | New    | Normal   | decode numeric SW in case of errors   | dexter   | 12/11/2023 01:01 PM |  |
| 6255 | OsmoDia2GSUP   | Bug     | New    | Normal   | Implement 3GPP Purge UE Request   |          | 11/10/2023 01:29 PM |  |
| 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 |  |
| 6232 | libosmocore  | Bug     | New    | Normal   | jenkins should give all libosmocore config options a try  | osmith   | 10/22/2023 04:16 PM |  |
| 6231 | OsmoTRX  | Feature | New    | Normal   | add support / calibration values for AntSDR E200  | roh      | 10/21/2023 03:25 PM |  |
| 6225 | rtl-sdr  | Bug     | New    | Normal   | rtl-sdr reelase tarballs missing from <a href="https://ftp.osmocom.org/releases/">https://ftp.osmocom.org/releases/</a>                 | osmith   | 10/19/2023 09:46 AM |  |
| 6219 | Retronetworking  | Feature | New    | Normal   | Publish pics/videos for EWSD rescue/move  | laforge  | 10/17/2023 02:10 PM |  |
| 6218 | Retronetworking  | Feature | New    | Normal   | write article/report on EWSD rescue for IGHFT / Fernmeldemuseum Dresden   | laforge  | 10/17/2023 02:11 PM |  |
| 6215 | Cellular Network Infrastructure                        | Bug     | New    | Normal   | Rebase open5gs pcrf_simple patches and submit upstream  | lynxis   | 10/18/2023 02:53 PM |  |



| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|---------------------------------|---------|--------|----------|--|----------|---------------------|-----------------------------------|
| 6201 | OsmocomBB                       | Bug     | New    | Normal   | modem: signal proper MS Radio Access Capability  |          | 10/04/2023 12:34 PM | Related to #6201                  |
| 6196 | OsmoMGW                         | Bug     | New    | Normal   | Codec negotiation failure false positives  | dexter   | 12/07/2023 06:25 AM | Related to #6293                  |
| 6192 | OP25                            | Bug     | New    | Normal   | Unable to host behind NGINX reverse proxy  | max      | 09/27/2023 01:56 AM |                                   |
| 6188 | Cellular Network Infrastructure | Bug     | New    | Normal   | Osmocom manuals have "draft" in debian packages of released versions                   | osmith   | 09/21/2023 04:37 PM |                                   |
| 6185 | Core testing infrastructure     | Bug     | New    | Normal   | Submit titan.ProtocolEmulations.SCCP patch upstream                                    | neels    | 09/20/2023 06:22 PM |                                   |
| 6159 | OsmoBSC                         | Bug     | New    | Normal   | use paging queue for PAGING messages that come from the BSC co-located PCU             | dexter   | 08/30/2023 12:39 PM |                                   |
| 6158 | OsmoHNBGW                       | Bug     | New    | Normal   | IMSI not shown in "show ue all"  | lynxis   | 08/29/2023 03:11 PM |                                   |
| 6150 | OsmoPCU                         | Feature | New    | Normal   | PCUIF: Use unique identifiers instead of the TLLI as msg_id.                           | dexter   | 10/24/2023 03:15 PM |                                   |
| 6149 | OsmoGSMTester                   | Bug     | New    | Normal   | osmo-gsm-tester Gerrit verifications currently broken, not running in docker           | osmith   | 08/25/2023 09:13 AM |                                   |
| 6148 | OsmoDia2GSUP                    | Bug     | New    | Normal   | config file not installed not used by systemd service in debian                        | pespin   | 10/18/2023 03:21 PM |                                   |
| 6139 | OsmoSGSN                        | Feature | New    | Normal   | test mobility between GERAN (OsmoPCU) and EUTRAN (Open5GS) end to end on real hardware | dexter   | 05/08/2024 01:09 PM |                                   |
| 6137 | OsmoHNBGW                       | Feature | New    | Normal   | ip.access Nano3G   | lynxis   | 10/21/2023 07:24 PM |                                   |
| 6132 | OsmocomBB                       | Feature | New    | Normal   | Add MS_GPRS_Tests to osmo-ttcn3-hacks  | fixeria  | 10/04/2023 10:29 PM | Related to #6132                  |
| 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                  |
| 6125 | OsmocomBB                       | Bug     | New    | Normal   | LLC GIA/GEA (auth/encryption) not yet tested   | pespin   | 08/28/2023 10:32 PM |                                   |
| 6118 | OsmoPCU                         | Bug     | New    | Normal   | osmo-pcu assigns multi-slot TBFs over PACCH to MS with unknown ms_class                | pespin   | 09/22/2023 02:33 PM |                                   |
| 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 |
| 6059 | OsmoBSC                         | Bug     | New    | Normal   | negotiate GSM-HR RTP packet format explicitly  | dexter   | 06/13/2023 10:38 AM |                                   |
| 6036 | OsmoBTS                         | Feature | New    | Normal   | Implement ternary SID classification for HR1 uplink                                    |          | 05/17/2023 09:48 PM | Related to #6036,Related to #6036 |
| 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 |                                   |
| 6019 | OsmoBSC                         | Bug     | New    | Normal   | "PCU version PCU socket has LOST connection connected"                                 | fixeria  | 10/18/2023 05:42 PM |                                   |
| 6015 | OsmoPCU                         | Bug     | New    | Normal   | osmo-pcu (with ericsson RBS) is unable to keep TRAU frames in sync                     | dexter   | 12/23/2023 01:12 AM |                                   |
| 6012 | rtl-sdr                         | Bug     | New    | Normal   | Update wiki for macos build  | steve-m  | 05/01/2023 02:38 AM |                                   |

| #    | Project                               | Tracker | Status | Priority | Subject   | Assignee  | Updated             | Related issues   |
|------|---------------------------------------|---------|--------|----------|---|-----------|---------------------|------------------|
| 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 |                  |
| 6005 | rtl-sdr                               | Bug     | New    | Normal   | rtl-test and rtl-sdr exit code=-5 when running on Windows 10 WSL and Ubuntu                         | steve-m   | 10/18/2023 05:45 PM |                  |
| 6000 | OsmoMSC                               | Feature | New    | Normal   | Allow emergency calls without IMSI (using IMEI as MI)   |           | 04/12/2023 11:03 AM | Related to #6000 |
| 5991 | OsmoBSC                               | Bug     | New    | Normal   | Forward TSNS-PROV bsc->[bts->]pcu   | jolly     | 12/17/2023 12:59 PM | Related to #5991 |
| 5986 | OsmoBSC                               | Bug     | New    | Normal   | PAGING impossible until CCCH LOAD IND is received from the BTS                                      | keith     | 03/31/2023 09:13 AM |                  |
| 5985 | Cellular Network Infrastructure       | Bug     | New    | Normal   | tests: not all Osmocom projects have @osmoappdesc.py@   |           | 03/29/2023 08:09 PM |                  |
| 5952 | OsmoBTS                               | Bug     | New    | Normal   | ttn3-bts-test: TC_ho_physical_info fails  | fixeria   | 11/15/2023 08:23 AM |                  |
| 5922 | rtl-sdr                               | Bug     | New    | Normal   | rtl_sdr bytes_to_read wraparound for n > 2**31  | steve-m   | 03/20/2023 10:16 AM |                  |
| 5918 | osmo-fl2k                             | Bug     | New    | Normal   | -flt0 broken in release   | steve-m   | 12/20/2023 08:43 PM |                  |
| 5904 | OsmoHNBGW                             | Feature | New    | Normal   | HNBAP Register Request handling does checks that seem to make no sense                              | neels     | 09/01/2023 05:00 AM |                  |
| 5891 | osmo-remsim                           | Bug     | New    | Normal   | bankd: potential pthread deadlock reported by coverity  | laforge   | 02/03/2023 07:35 PM |                  |
| 5883 | OCTOI - Osmocom Community TDM over IP | Bug     | New    | Normal   | GPS sync sometimes goes to hold over  | tnt       | 01/30/2023 02:18 PM | Related to #5885 |
| 5878 | pySim                                 | Bug     | New    | Normal   | pySim shell: version fails with DistributionNotFound  | fixeria   | 10/06/2023 09:03 AM |                  |
| 5876 | OsmoHNBGW                             | Bug     | New    | Normal   | on HNBAP HNB Register, clear previous UE state if any   | neels     | 03/20/2023 01:27 PM |                  |
| 5869 | OsmoHNBGW                             | Bug     | New    | Normal   | osmo-hnbgw ignores HNBAP HNB De-Register  |           | 01/21/2023 01:52 AM |                  |
| 5867 | OsmoHNBGW                             | Feature | New    | Normal   | HNBGW_Tests.ttcn should do HNBAP UE Register and De-Register tests                                  |           | 01/21/2023 02:30 AM |                  |
| 5864 | libosmocore                           | Bug     | New    | Normal   | Libosmocore: Fix order of config parsing output   |           | 02/04/2023 05:21 PM |                  |
| 5859 | OsmoTRX                               | Feature | New    | Normal   | remove non-neon and non-sse support   | Hoernchen | 01/16/2023 10:17 PM |                  |
| 5855 | Retronetworking                       | Feature | New    | Normal   | Establishing a German non-profit for retronetworking  | laforge   | 01/13/2023 11:59 AM |                  |
| 5853 | OsmoSGSN                              | Feature | New    | Normal   | osmo-sgsn: Rework to use libosmo-gprs   |           | 01/11/2023 03:14 PM |                  |
| 5852 | OsmoSGSN                              | Bug     | New    | Normal   | osmo-sgsn: Keep TLLI->NSEI+BVCI relation knowledge in BSSGP layer                                   |           | 01/11/2023 03:08 PM |                  |
| 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 |                  |
| 5850 | SDR (Software Defined Radio)          | Bug     | New    | Normal   | OBS mingw builds not updated since 2019   | roox      | 01/04/2023 12:15 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 |                  |

| #    | Project                         | Tracker | Status | Priority | Subject   | Assignee      | Updated             | Related issues                                 |
|------|---------------------------------|---------|--------|----------|---|---------------|---------------------|--|
| 5842 | OsmoBSC                         | Bug     | New    | Normal   | ipa: investigate NSVC local and remote port configuration difference with wireshark dissector |               | 12/22/2022 07:18 PM |  |
| 5839 | OsmoGSMTester                   | Feature | New    | Normal   | Ability to switch off the osmo-trx machine  | pespin        | 12/20/2022 05:43 PM |  |
| 5838 | OsmoGSMTester                   | Feature | New    | Normal   | Implement power switching for all BTSs  |               | 12/20/2022 05:30 PM |  |
| 5837 | OsmoHNBGW                       | Bug     | New    | Normal   | osmo-iuh: UE-REGISTER-REQ with uE_Identity type IMEI not implemented.                         |               | 12/20/2022 03:43 PM |  |
| 5834 | OsmoPCU                         | Feature | New    | Normal   | VTY option "two-phase-access" is misleading   |               | 12/19/2022 06:55 PM |  |
| 5831 | OsmocomBB                       | Bug     | New    | Normal   | SE K2x0i: built-in SIM reader is not working  | steve-m       | 12/16/2022 12:03 AM |  |
| 5827 | OsmoPCU                         | Feature | New    | Normal   | osmo-pcu: Hardcoded limit of maximum number of 8 TRX per BTS                                  | pespin        | 12/16/2022 11:55 AM |  |
| 5822 | OsmocomBB                       | Bug     | New    | Normal   | SE K2x0i: missing RF and AFC params   |               | 12/15/2022 11:36 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 |  |
| 5805 | SIMtrace 2                      | Feature | New    | Normal   | SIM Trace 2 Build for Windows   | jelson_simEng | 04/02/2023 09:56 AM |  |
| 5780 | OsmoMSC                         | Feature | New    | Normal   | Implement/Support UUS1  |               | 01/24/2023 10:48 AM |  |
| 5773 | OsmoGGSN (former OpenGGSN)      | Bug     | New    | Normal   | OsmoGGSN sends Direct Tunnel packets to the wrong IP address                                  |               | 11/17/2022 04:17 AM |  |
| 5771 | Cellular Network Infrastructure | Feature | New    | Normal   | series of presentations about the individual CN1 network elements                             |               | 11/14/2022 07:25 PM |  |
| 5768 | Retronetworking                 | Feature | New    | Normal   | retronetworking logo / artwork  |               | 04/07/2024 10:40 PM |  |
| 5764 | Cellular Network Infrastructure | Bug     | New    | Normal   | GCC does not check format strings in LOGPFSM macros   |               | 11/11/2022 06:30 AM |  |
| 5762 | Core testing infrastructure     | Feature | New    | Normal   | Develop TTCN-3 test suite for PGW   |               | 11/10/2022 06:38 PM |  |
| 5761 | Core testing infrastructure     | Feature | New    | Normal   | Develop TTCN-3 test suite for SGW   |               | 11/09/2022 09:49 PM |  |
| 5758 | OsmoDia2GSUP                    | Feature | New    | Normal   | bring osmo_dia2gsup to production quality   | lynxis        | 03/30/2023 08:13 PM |  |
| 5756 | libosmo-abis                    | Bug     | New    | Normal   | io_uring support in libosmo-abis  |               | 03/20/2024 03:58 PM | Related to #5756,Related to #6357,Blocks #5896 |
| 5750 | Cellular Network Infrastructure | Bug     | New    | Normal   | contrib/jenkins.sh: build with -Wunused-macros and -Wundef                                    |               | 11/08/2022 08:07 PM |  |
| 5749 | Cellular Network Infrastructure | Bug     | New    | Normal   | configure.ac: default CFLAGS, LT_INIT adds "-g -O2"   | fixeria       | 01/31/2023 08:12 PM |  |
| 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 |  |

| #    | Project                                      | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|--|---------|--------|----------|---|----------|---------------------|-----------------------------------|
| 5726 | OsmoMGW                                      | Bug     | New    | Normal   | AMR octet-align in SDP: lack of 'octet-align' fmtpt should imply octet-align=0, and the presence or absence of this fmtpt should not have an effect |          | 12/12/2023 01:51 AM | Is duplicate of #5726             |
| 5721 | OsmoCBC                                      | Feature | New    | Normal   | CBC messages Geographical Scope and CBS Index   |          | 10/19/2022 07:23 AM |                                   |
| 5716 | libosmocore                                  | Bug     | New    | Normal   | Replace dynamic (DEAD) NSE if we receive an NS_RESET from a conflicting NSVC  | lynxis   | 10/17/2022 04:40 PM |                                   |
| 5712 | OsmoBSC                                      | Bug     | New    | Normal   | LCLS FSM; Not possible to get out from NO_LONGER_LS   | dexter   | 10/18/2022 09:03 AM | Related to #5712                  |
| 5710 | E1/T1 Hardware Interface (including icE1usb) | Feature | New    | Normal   | rs422: Merge as much of the gateway in master as possible   | tnt      | 10/13/2022 06:53 PM | Related to #5710                  |
| 5709 | E1/T1 Hardware Interface (including icE1usb) | Feature | New    | Normal   | rs422: Merge as much of the firmware into master to avoid separate branch   | tnt      | 10/13/2022 06:49 PM | Related to #5709                  |
| 5708 | E1/T1 Hardware Interface (including icE1usb) | Bug     | New    | Normal   | rs422: Support runtime re-init of the GPS receiver  | tnt      | 10/13/2022 06:46 PM | Related to #5708                  |
| 5699 | OsmoMSC                                      | Bug     | New    | Normal   | MNCC_RTP_CREATE is not sent in a call waiting scenario  |          | 10/10/2022 06:46 PM |                                   |
| 5681 | Retronetworking                              | Bug     | New    | Normal   | Figure out suitable connectors for EKSOS  | laforge  | 07/31/2023 10:22 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 |
| 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 |
| 5644 | Osmocom Libraries                            | Bug     | New    | Normal   | Check library pkg-config files for proper dependencies  |          | 08/10/2022 01:02 PM | Related to #5644                  |
| 5641 | OsmoCBC                                      | Feature | New    | Normal   | OsmoCBC doesn't yet support reloading cells becoming operational with active messages   |          | 08/05/2022 05:10 PM |                                   |
| 5633 | osmo-clock-gen                               | Feature | New    | Normal   | towards a first osmo-clock-gen production batch   | laforge  | 07/26/2022 12:39 PM |                                   |
| 5614 | osmo-remsim                                  | Feature | New    | Normal   | log also application-level errors   | laforge  | 07/11/2022 08:09 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                  |
| 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 |                                   |
| 5570 | libosmocore                                  | Bug     | New    | Normal   | coding: decode in-band data in AMR's special DTX frames (SID_FIRST, SID_UPDATE, SID_ONSET)  | fixeria  | 05/24/2022 08:34 AM | Related to #5570                  |

| #    | Project                               | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                                     |
|------|---------------------------------------|---------|--------|----------|---|----------|---------------------|--|
| 5550 | pySim                                 | Bug     | New    | Normal   | EF.ARR file decoding would need to be context dependent                         | chrysn   | 06/24/2022 08:50 AM |  |
| 5546 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Normal   | build frame relay "hub" similar to ISDN "hub"                                   |          | 04/24/2022 03:03 PM |  |
| 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 |  |
| 5543 | Retronetworking                       | Feature | New    | Normal   | Contact manufacturers for leftover stock  |          | 06/27/2023 09:05 PM |  |
| 5517 | OsmoBTS                               | Bug     | New    | Normal   | ttn3-bts-test: new sporadic test case failures                                  | fixeria  | 03/20/2023 11:45 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 |  |
| 5507 | libosmocore                           | Feature | New    | Normal   | Optimize reset time after SGSN is restarted                                     | lynxis   | 03/31/2022 12:33 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                                   |
| 5492 | OsmoBSCNAT                            | Bug     | New    | Normal   | Support MSC pooling   | osmith   | 04/11/2022 08:19 AM |  |
| 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                                   |
| 5474 | OsmoBTS                               | Bug     | New    | Normal   | osmo-bts-trx: DTxd support not implemented                                      |          | 03/02/2022 05:06 PM | Related to #5474,Related to #5474                  |
| 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 |
| 5466 | OsmocomBB                             | Feature | New    | Normal   | CP2102N evaluation for burst_ind baudrate                                       | laforge  | 02/22/2022 07:17 PM |  |
| 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 |  |
| 5446 | Cellular Network Infrastructure       | Feature | New    | Normal   | correlate git version to ttn3 tests   |          | 02/07/2022 09:40 PM | Related to #5446                                   |
| 5445 | gr-osmosdr                            | Bug     | New    | Normal   | Please switch to the gr-funcube   |          | 02/15/2022 11:56 PM |  |
| 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 |  |

| #    | Project                               | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|---------------------------------------|---------|--------|----------|--|----------|---------------------|------------------|
| 5442 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Normal   | ensure sequence number covers longer duration than default PRI LOS timer                                   | laforge  | 02/06/2022 08:16 AM |                  |
| 5433 | OCTOI - Osmocom Community TDM over IP | Bug     | New    | Normal   | forwarding of TS0 / Alarms   |          | 01/30/2022 11:02 AM |                  |
| 5429 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Normal   | authentication in TDMoIP protocol  | laforge  | 11/07/2022 05:29 PM |                  |
| 5415 | SIMtrace 2                            | Bug     | New    | Normal   | cardem: watchdog triggers firmware reset   | lynxis   | 02/15/2022 08:07 PM |                  |
| 5403 | OsmoMSC                               | Feature | New    | Normal   | Can't connect Call from 2G to 4G network   | laforge  | 01/14/2022 10:41 PM |                  |
| 5398 | OsmoSGSN                              | Bug     | New    | Normal   | Null pointer access at "uctx" in ranap_iu_tx   | pespin   | 01/10/2022 01:14 PM |                  |
| 5395 | OsmocomDECT                           | Feature | New    | Normal   | Support for LMX3161  |          | 01/09/2022 12:55 PM |                  |
| 5380 | osmo-ccid-firmware                    | Bug     | New    | Normal   | Incorrect answer to PC_to_RDR_SetParameters CCID command   |          | 01/16/2022 08:55 PM |                  |
| 5378 | erlang/osmo_ss7                       | Bug     | New    | Normal   | ipa: add support for client application  | laforge  | 01/05/2022 08:36 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 |                  |
| 5340 | OsmoMSC                               | Bug     | New    | Normal   | ttcn3-msc-test: more memory leaks  | fixeria  | 05/15/2022 04:47 PM |                  |
| 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 |                  |
| 5323 | Core testing infrastructure           | Feature | New    | Normal   | Add docker image containing titan.core master  |          | 12/15/2021 04:43 PM | Related to #6187 |
| 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 |                  |
| 5309 | OsmoPCU                               | Bug     | New    | Normal   | osmo-pcu: Support rejecting multiple TBFs upon tx of Packet Access Reject                                  | pespin   | 11/15/2021 06:29 PM |                  |
| 5307 | Ericsson RBS 6xxx                     | Feature | New    | Normal   | Support for Multiple Sectors at an RBS site.   |          | 11/13/2021 08:20 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 |                  |
| 5291 | rtl-sdr                               | Feature | New    | Normal   | Ship the udev rules upstream   | steve-m  | 11/05/2021 11:04 AM |                  |
| 5283 | OsmoTRX                               | Feature | New    | Normal   | Implement TRXDv2 support   | fixeria  | 10/27/2021 10:35 PM | Related to #5283 |

| #    | Project                         | Tracker | Status | Priority | Subject   | Assignee  | Updated             | Related issues                    |
|------|---------------------------------|---------|--------|----------|---|-----------|---------------------|-----------------------------------|
| 5279 | OsmoMGW                         | Feature | New    | Normal   | systemd service / unit for multiple osmo-mgw on one machine                                 | osmith    | 10/25/2021 11:41 AM |                                   |
| 5277 | libosmocore                     | Bug     | New    | Normal   | ns2: Allow SNS-CONFIG PDUs from unknown endpoints during config procedure                   | lynxis    | 10/22/2021 02:28 PM |                                   |
| 5268 | pySim                           | Feature | New    | Normal   | pySim-shell: GlobalPlatform SCP02 support   | laforge   | 10/14/2021 07:12 PM | Related to #5268                  |
| 5267 | pySim                           | Feature | New    | Normal   | pySim-shell: Ability to deactivate entire applications on the card                          |           | 10/14/2021 07:12 PM | Related to #5268                  |
| 5247 | Osmocom Analog                  | Bug     | New    | Normal   | AMPS Segmentation fault   | jolly     | 10/04/2021 11:48 PM |                                   |
| 5227 | OsmoPCU                         | Bug     | New    | Normal   | osmo-pcu: Attempt recovery of TBF when one of its assigned PDCH TS becomes disabled         | pespin    | 10/18/2021 10:12 AM |                                   |
| 5220 | rtl-sdr                         | Bug     | New    | Normal   | Undefined reference to libusb_dev_mem_free  | steve-m   | 08/31/2021 09:21 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 |                                   |
| 5197 | OsmoMSC                         | Bug     | New    | Normal   | msc_i Unimplemented msg type: HANDOVER PERFORMED  | neels     | 08/23/2022 04:05 PM |                                   |
| 5196 | OsmoMSC                         | Bug     | New    | Normal   | Verify several "event not permitted" log lines in unit tests                                | neels     | 08/23/2022 04:08 PM |                                   |
| 5188 | Cellular Network Infrastructure | Bug     | New    | Normal   | BSSMAP Cell Identifier IE vs. Cell Identifier List IE: difference in allowed cell id types  | neels     | 08/23/2022 04:24 PM |                                   |
| 5179 | libosmocore                     | Bug     | New    | Normal   | gprs_ns2: use recounting for the NSE  | lynxis    | 06/13/2021 03:08 AM |                                   |
| 5178 | OsmoTRX                         | Bug     | New    | Normal   | LimeNET Micro clock error   | Hoernchen | 09/15/2021 09:42 AM |                                   |
| 5177 | osmo-sip-connector              | Bug     | New    | Normal   | respect dynamic RTP payload types of external SIP   | neels     | 08/23/2022 04:26 PM | Related to #5177,Related to #5177 |
| 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                  |
| 5127 | pySim                           | Feature | New    | Normal   | tool for "re-formatting" [systemcom] cards in tester  | laforge   | 10/14/2021 07:16 PM | Related to #5127                  |
| 5122 | OsmoPCU                         | Feature | New    | Normal   | Choose SBA allocation offset based on AGCH queue load in the BTS                            | pespin    | 04/20/2021 12:51 PM | Related to #5122                  |
| 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 |                                   |
| 5047 | OsmoSDR                         | Feature | New    | Normal   | Inconsistencies between SDR's in bias-tee parameter   |           | 12/19/2021 01:17 PM |                                   |
| 5045 | Cellular Network Infrastructure | Feature | New    | Normal   | write libversion "major" on build files automatically based on LIBVERSION                   | pespin    | 02/24/2021 01:14 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 |                                   |
| 5025 | OsmoBTS                         | Feature | New    | Normal   | Missing TTCN-3 coverage for the Timing Advance loop   | fixeria   | 07/02/2021 04:28 PM |                                   |

| #    | Project                                  | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                                     |
|------|--|---------|--------|----------|--|----------|---------------------|--|
| 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 |  |
| 5002 | M.2 (NGFF) WWAN modem USB breakout board | Feature | New    | Normal   | Ensure current return paths via M.2 connector are sufficient   | mschramm | 03/23/2021 06:48 PM |  |
| 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 |  |
| 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 |  |
| 4966 | OsmoPCU                                  | Bug     | New    | Normal   | osmo-pcu: gprs+egprs multiplex: Allow selecting original 8-PSK dl block during retransmission for GMSK-required DL block |          | 01/26/2021 01:07 PM | Related to #4966                                   |
| 4961 | osmo-gbproxy                             | Feature | New    | Normal   | gbproxy support for "network sharing" via MOCN   |          | 01/20/2021 08:38 PM |  |
| 4950 | gr-osmosdr                               | Bug     | New    | Normal   | gr-osmosdr doesn't find iqbalance during build   |          | 02/22/2021 02:46 AM |  |
| 4942 | gr-osmosdr                               | Bug     | New    | Normal   | XTRX: Unable to compile due to error   | RFNOD    | 01/12/2021 08:29 PM |  |
| 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 |  |
| 4897 | osmo-gbproxy                             | Bug     | New    | Normal   | gbproxy2: Re-introduce handling of NS_AFF_CAUSE_FAILURE  | daniel   | 03/10/2021 02:49 PM | Related to #4897,Related to #4952,Related to #5040 |
| 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 |  |
| 4883 | Cellular Network Infrastructure          | Bug     | New    | Normal   | update OsmoNITB migration guide  | neels    | 12/01/2020 08:32 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                                   |
| 4846 | OsmoPCU                                  | Feature | New    | Normal   | change RBB received block bitmap into 1s when everything was acked   |          | 11/04/2020 02:29 AM |  |
| 4834 | OsmocomBB                                | Bug     | New    | Normal   | package cp210x-program as part of network:osmocom:{nightly,latest}   | osmith   | 10/26/2020 06:01 PM |  |



| #    | Project                        | Tracker | Status | Priority | Subject   | Assignee  | Updated             | Related issues                    |
|------|--------------------------------|---------|--------|----------|---|-----------|---------------------|-----------------------------------|
| 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 |                                   |
| 4810 | osmo-clock-conv                | Feature | New    | Normal   | horizontal DC input on rear side of PCB   | mschramm  | 10/15/2020 10:53 PM |                                   |
| 4784 | OsmoMSC                        | Bug     | New    | Normal   | wrong cause code (resources unavailable) in MO-to-MT call without response  | neels     | 10/08/2020 02:35 PM |                                   |
| 4777 | osmo-ccid-firmware             | Bug     | New    | Normal   | Reader does not answer to GET DATA RATES command  | Hoernchen | 10/14/2020 02:36 PM |                                   |
| 4776 | osmo-ccid-firmware             | Bug     | New    | Normal   | Reader does not answer to GET CLOCK FREQUENCIES command   | Hoernchen | 10/03/2020 07:31 PM |                                   |
| 4768 | OsmoBSC                        | Bug     | New    | Normal   | pcu interface: add missing field ts, trx on rach indication   | lynxis    | 09/30/2020 08:10 PM |                                   |
| 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 |                                   |
| 4758 | rtl-sdr                        | Bug     | New    | Normal   | rtl_tcp no longer works on macos 10.15 via macports   | steve-m   | 04/30/2023 11:59 AM |                                   |
| 4749 | OsmoGGSN (former OpenGGSN)     | Bug     | New    | Normal   | Unknown/Unimplemented PCO Protocol  |           | 02/09/2022 01:26 PM |                                   |
| 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 |                                   |
| 4717 | OsmoMSC                        | Feature | New    | Normal   | support Handover with changing codec  |           | 08/18/2020 05:14 PM | Related to #4717                  |
| 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 |                                   |
| 4683 | OsmoBSC                        | Bug     | New    | Normal   | properly report OM2000 bring-up problems  | laforge   | 07/30/2020 06:50 AM | Related to #4683,Related to #6378 |
| 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 |                                   |
| 4650 | OsmoBSC                        | Feature | New    | Normal   | Add BIG FAT error message in case OM2000 BTS fail to start up   | laforge   | 07/04/2020 07:30 PM |                                   |
| 4645 | OsmoBSC                        | Bug     | New    | Normal   | OM2K: "Sequence Error" due to too early initialization of RSL during BTS start                                    | laforge   | 07/04/2020 07:24 PM |                                   |
| 4638 | Altair LTE Modems              | Feature | New    | Normal   | Mikrotik R11e-4G mtd dump   |           | 06/13/2021 10:15 AM |                                   |
| 4637 | OsmoTRX                        | Bug     | New    | Normal   | limesdr usb gain setting changes break gsm phasenoise constraints   |           | 06/29/2020 04:43 PM |                                   |
| 4635 | libosmo-sccp + libosmo-sigtran | Feature | New    | Normal   | quirks when initializing SS7 ASP  |           | 06/25/2020 04:46 PM | Related to #4635                  |

| #    | Project                      | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|------------------------------|---------|--------|----------|--|----------|---------------------|--|
| 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   |
| 4621 | OsmoBSC                      | Support | New    | Normal   | feedback: osmo-bsc modifies the LAI in LU Accept messages, and the MM info data                    | neels    | 02/06/2021 09:50 AM |  |
| 4612 | OsmoMSC                      | Support | New    | Normal   | test handover on non-voice call conn (no CC transaction present)                                   |          | 06/14/2020 12:21 PM |  |
| 4604 | OsmoSGSN                     | Bug     | New    | Normal   | Lots of "Unusual event"  | lynxis   | 06/13/2020 06:19 PM | Related to #4604, Related to #4604, Related to #4604, Related to #4604 |
| 4599 | OsmoSGSN                     | Bug     | New    | Normal   | counter group sgsn:pdctx already exists for index X, instead using Y                               |          | 09/09/2020 10:05 AM | Related to #4604   |
| 4596 | OsmocomTETRA                 | Feature | New    | Normal   | Port to GR3.8  |          | 01/08/2021 05:23 PM |  |
| 4593 | OP25                         | Support | New    | Normal   | Link to samples on the wiki is dead  | matt     | 06/07/2020 06:53 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 |  |
| 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 |  |
| 4581 | OsmocomBB                    | Support | New    | Normal   | compiler error assert.h no such file   |          | 06/05/2020 09:54 AM |  |
| 4580 | SDR (Software Defined Radio) | Feature | New    | Normal   | gr-osmosdr compilation under GnuRadio 3.9.0  |          | 06/04/2020 01:13 AM |  |
| 4579 | OsmoBTS                      | Bug     | New    | Normal   | add IPv6 support   |          | 02/12/2021 12:26 PM |  |
| 4565 | OsmoHLR                      | Bug     | New    | Normal   | TTCN-3 testsuite: mDNS_UDP: maximum number of open file descriptors is greater than FD_SETSIZE     | fixeria  | 06/17/2020 09:28 AM |  |
| 4560 | OsmoBSC                      | Bug     | New    | Normal   | inter-BSC HO: target cell fails when there is no TCH, only dynamic TCH/F_PDCH timeslots            | neels    | 05/20/2020 09:00 PM |  |
| 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 |  |
| 4551 | OsmoMGW                      | Feature | New    | Normal   | Dynamic/runtime allocation of new endpoints  |          | 05/14/2020 10:56 PM |  |

| #    | Project                        | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|--------------------------------|---------|--------|----------|--|----------|---------------------|-----------------------------------|
| 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 |
| 4538 | OsmoBSC                        | Bug     | New    | Normal   | timeslot_fsm.c: make the PDCH act/deact timeout configurable   |          | 05/09/2020 08:20 PM | Related to #4539                  |
| 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             |
| 4521 | osmo-gbproxy                   | Feature | New    | Normal   | gbproxy: Redundancy between NS-VCs (SGSN Side)   | laforge  | 01/19/2021 05:24 PM | Related to #4959                  |
| 4513 | rti-sdr                        | Bug     | New    | Normal   | PKG information broken   |          | 04/26/2020 03:21 PM |                                   |
| 4498 | osmo-uecups                    | Feature | New    | Normal   | IPv6 neighbor discovery  | laforge  | 04/17/2020 08:33 AM |                                   |
| 4495 | IMSI Pseudonymization          | Feature | New    | Normal   | Specification: More references   | neels    | 05/27/2020 01:11 PM |                                   |
| 4494 | IMSI Pseudonymization          | Feature | New    | Normal   | Specification: Add bibliography  | neels    | 05/27/2020 01:11 PM |                                   |
| 4493 | IMSI Pseudonymization          | Feature | New    | Normal   | Specification: Cover 2G, 3G and 4G separately  | neels    | 05/27/2020 01:11 PM |                                   |
| 4490 | IMSI Pseudonymization          | Feature | New    | Normal   | Specification: how would IMSI-pseudo interact within a combined (2G-4G)+5G network?                  |          | 04/16/2020 08:44 AM |                                   |
| 4489 | IMSI Pseudonymization          | Feature | New    | Normal   | Specification: mark mandatory parts / implementation details as such                                 |          | 04/16/2020 08:44 AM |                                   |
| 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 |                                   |
| 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                  |
| 4479 | IMSI Pseudonymization          | Feature | New    | Normal   | Applet: change IMSI after receiving SMS  |          | 04/16/2020 08:45 AM |                                   |
| 4478 | IMSI Pseudonymization          | Feature | New    | Normal   | Applet: proper warning after too many LU with same IMSI  |          | 04/16/2020 08:45 AM | Related to #4478                  |
| 4477 | IMSI Pseudonymization          | Feature | New    | Normal   | OsmoHLR: send next pseudo IMSI via SMS   |          | 04/16/2020 08:45 AM | Blocks #4477,Blocks #4477         |
| 4471 | OsmocomBB                      | Support | New    | Normal   | Received FTMT00L from phone, ramloader has aborted   |          | 03/29/2020 11:18 AM |                                   |
| 4469 | OsmoTRX                        | Bug     | New    | Normal   | osmo-trx-uhd is sending UDP packets to port 49600 at various addresses on startup                    | laforge  | 06/13/2020 06:07 PM |                                   |
| 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 |                                   |
| 4455 | OP25                           | Feature | New    | Normal   | AMBE CODEC   |          | 03/28/2020 09:53 PM |                                   |
| 4451 | OsmoMSC                        | Bug     | New    | Normal   | vty 'show stats level': different stats levels yield identical results                               |          | 03/09/2020 10:10 PM |                                   |
| 4447 | OsmoMGW                        | Bug     | New    | Normal   | DSCP value should be a 6 bit field   | osmith   | 03/09/2020 04:50 PM | Related to #4447                  |

| #    | Project                         | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                     |
|------|---------------------------------|---------|--------|----------|---|----------|---------------------|------------------------------------|
| 4443 | libosmocore                     | Bug     | New    | Normal   | CTRL interface blocks wildcard in rate_ctr  |          | 03/08/2020 01:06 PM | Related to #4443, Related to #4443 |
| 4440 | OsmoBTS                         | Bug     | New    | Normal   | osmo_bts_virtual doesn't detect if mobile/virtphy is gone   | laforge  | 03/07/2020 03:44 PM |                                    |
| 4433 | OsmoGGSN (former OpenGGSN)      | Feature | New    | Normal   | sgsnemu: Add support for IPv4v6 EUAs  |          | 03/04/2020 10:44 AM |                                    |
| 4432 | OsmoMGW                         | Bug     | New    | Normal   | for 'domain *', mgw should echo the domain of the MGCP client   |          | 03/04/2020 12:39 AM |                                    |
| 4430 | SIMtrace 2                      | Bug     | New    | Normal   | firmware can get in endless out-of-memory loop on OUT EP flood  | laforge  | 11/14/2022 11:46 PM |                                    |
| 4427 | rtl-sdr                         | Bug     | New    | Normal   | docker + rtl_sdr issue  |          | 02/29/2020 01:16 PM |                                    |
| 4418 | OsmocomBB                       | Feature | New    | Normal   | test-sim: support all libosmocore algorithms (comp128 v1, v2, v3; MILENAGE)   |          | 02/26/2020 11:41 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                   |
| 4415 | OsmoGGSN (former OpenGGSN)      | Feature | New    | Normal   | Document in OsmoGGSN User Manual the IPv6 allocation process over GTP   |          | 02/25/2020 03:05 PM |                                    |
| 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 |                                    |
| 4367 | rtl-sdr                         | Support | New    | Normal   | "Communications Toolbox Support Package for RTL-SDR Radio" from "Mathworks Matlab" appears to be with broken links? | steve-m  | 01/21/2020 08:52 PM |                                    |
| 4366 | OsmoTRX                         | Bug     | New    | Normal   | Create testsuite to test osmo-bts-trx+osmo-trx under high channel load (w/ RACH correlation)                        | pespin   | 01/15/2020 01:59 PM | Related to #4366                   |
| 4364 | OsmoBTS                         | Bug     | New    | Normal   | osmo-bts-trx configured with 2 TRX and osmo-trx with 1 TRX -> bad behavior  | pespin   | 07/06/2020 07:16 PM |                                    |
| 4359 | gr-osmosdr                      | Bug     | New    | Normal   | Compiling from Git Bramcjr 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 |                                    |
| 4341 | BBS-Revival                     | Feature | New    | Normal   | setup for telnet access to legacy BBS software which doesn't have telnet/tcp support                                | laforge  | 10/03/2022 12:09 PM |                                    |
| 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                   |
| 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                   |
| 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 |                                    |
| 4249 | osmo-remsim                     | Feature | New    | Normal   | ability to explicitly provision an "empty SIM card slot" to a modem   | laforge  | 09/08/2021 07:48 PM | Related to #5216                   |
| 4225 | OP25                            | Support | New    | Normal   | Missing rules in cmake lists?   | 2CS350   | 10/12/2019 02:49 PM |                                    |

| #    | Project                               | Tracker | Status | Priority | Subject  | Assignee  | Updated             | Related issues                     |
|------|---------------------------------------|---------|--------|----------|--|-----------|---------------------|------------------------------------|
| 4196 | OsmoMSC                               | Feature | New    | Normal   | CC Setup, Call Confirmed: decode and use the Supported Codec List IE   |           | 09/25/2019 05:27 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 |                                    |
| 4163 | OsmoHLR                               | Bug     | New    | Normal   | Subscriber on demand: "Error while deleting subscriber data for IMSI" after changing network access mode from cs+ps back to none | osmith    | 08/22/2019 01:41 PM |                                    |
| 4161 | OsmoGGSN (former OpenGGSN)            | Bug     | New    | Normal   | Implement pdp idle timer   | pespin    | 08/20/2019 06:30 PM | Related to #4161                   |
| 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 |                                    |
| 4149 | libosmocore                           | Bug     | New    | Normal   | osmo_fsm allows event names to have spaces in them   | laforge   | 01/25/2022 09:53 AM |                                    |
| 4141 | Cellular Network Infrastructure       | Bug     | New    | Normal   | No osmux specific code in place during codec negotiation   |           | 08/05/2019 03:57 PM |                                    |
| 4135 | Qualcomm Linux Modems by Quectel & Co | Support | New    | Normal   | how to use network inside ec20   |           | 07/31/2019 11:20 AM |                                    |
| 4130 | OP25                                  | Bug     | New    | Normal   | OP25 User Interface  |           | 07/26/2019 02:36 AM |                                    |
| 4124 | OsmoBSCNAT                            | Feature | New    | Normal   | OsmoBSCNAT : Write user manual   |           | 01/08/2020 10:56 PM | Related to #4124                   |
| 4118 | SIMtrace 2                            | Bug     | New    | Normal   | VCC_PHONE strong pull on SIMtrace board  | mschramm  | 02/01/2023 12:16 PM | Related to #4118, Related to #4118 |
| 4105 | libosmocore                           | Feature | New    | Normal   | Support for LTE key derivation functions   | laforge   | 07/13/2019 02:07 AM | Related to #4105                   |
| 4104 | libosmocore                           | Bug     | New    | Normal   | support for KASME generation   | laforge   | 07/12/2019 10:15 AM | Related to #4105                   |
| 4098 | gr-osmosdr                            | Bug     | New    | Normal   | [BladeRF micro] Arguments set in osmocomb Sink and Source are not passed to libbladerf   | horiz0n   | 07/18/2019 05:35 AM |                                    |
| 4092 | OsmoMGW                               | Feature | New    | Normal   | Osmux: Support dynamic allocation of osmux sockets   | pespin    | 08/10/2022 07:50 AM | Related to #4092                   |
| 4091 | Cellular Network Infrastructure       | Feature | New    | Normal   | Osmux: Make sure all handover types work fine if a call leg is using Osmux between BSC and MSC.                                  | pespin    | 06/08/2020 07:08 PM |                                    |
| 4082 | OsmoBTS                               | Bug     | New    | Normal   | OML: Unknown/unhandled PCHAN type: 0 NONE  |           | 11/18/2019 10:09 AM |                                    |
| 4080 | rtl-sdr                               | Support | New    | Normal   | Receiving UTAs on 978 Mhz  |           | 07/02/2019 12:08 PM |                                    |
| 4072 | libosmo-sccp + libosmo-sigtran        | Bug     | New    | Normal   | Implement IPA PING/PONG mechanism in libosmo-sigtran +   | Hoernchen | 06/21/2019 02:51 PM | Related to #4072                   |
| 4065 | OsmoMSC                               | Feature | New    | Normal   | osmo-msc: Support instructing MSC_MGW to use Osmux between 2 endp/call-leg of same voice call                                    | pespin    | 06/19/2019 04:54 PM | Related to #4065                   |
| 4041 | SIMtrace 2                            | Bug     | New    | Normal   | implement SIMTRACE_CMD_BD_BOARD_INFO   | laforge   | 12/06/2019 01:38 PM | Related to #4041                   |

| #    | Project                    | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                                     |
|------|----------------------------|---------|--------|----------|--|----------|---------------------|--|
| 4033 | OsmoGGSN (former OpenGGSN) | Feature | New    | Normal   | ttn3-ggsn-test: Add tests to verify secondary pdp context management       |          | 05/30/2019 03:19 PM |  |
| 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                  |
| 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 |  |
| 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 |  |
| 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                                   |
| 3931 | OsmoGSMTester              | Support | New    | Normal   | Contact quectel to get info about modem updates (hopefully less crashes)   |          | 01/08/2020 10:56 PM | Related to #3931                                   |
| 3929 | OsmoPCU                    | Bug     | New    | Normal   | Missing PCU_Tests.ttcn link adaptation tests                               | pespin   | 06/17/2020 08:32 AM | Related to #3929                                   |
| 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 |  |

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