

## Issues

| #    | Project                               | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                     |
|------|---------------------------------------|---------|--------|----------|--|----------|---------------------|------------------------------------|
| 3589 | rtl-sdr                               | Bug     | New    | Normal   | Zerocopy Buffers Unusable Outside Callback Without memcpy()                                    |          | 09/25/2018 12:58 PM |                                    |
| 6274 | OCTOI - Osmocom Community TDM over IP | Bug     | New    | Low      | yate is eating 260% CPU while doing nothing  | laforge  | 11/25/2023 02:31 PM |                                    |
| 4942 | gr-osmosdr                            | Bug     | New    | Normal   | XTRX: Unable to compile due to error   | RFNOD    | 01/12/2021 08:29 PM |                                    |
| 2797 | linmodem                              | Bug     | New    | Normal   | X11 support is 16bit plane only  |          | 05/07/2022 11:34 PM |                                    |
| 2995 | OsmocomBB                             | Bug     | New    | Normal   | Wrong parsing of PAGING TYPE 3   |          | 02/24/2018 11:03 PM | Related to #2994                   |
| 3724 | osmo-sip-connector                    | Bug     | New    | Normal   | Wrong media format used in SIP INVITE causes one-way audio                                     |          | 12/11/2018 02:57 PM | Related to #3724, Related to #5177 |
| 4784 | OsmoMSC                               | Bug     | New    | Normal   | wrong cause code (resources unavailable) in MO-to-MT call without response                     | neels    | 10/08/2020 02:35 PM |                                    |
| 6438 | libosmocore                           | Bug     | New    | Normal   | write_config_file() calls blocking sync()  |          | 04/26/2024 09:15 AM |                                    |
| 5045 | Cellular Network Infrastructure       | Feature | New    | Normal   | write libversion "major" on build files automatically based on LIBVERSION                      | pespin   | 02/24/2021 01:14 PM |                                    |
| 6218 | Retronetworking                       | Feature | New    | Normal   | write article/report on EWSD rescue for IGHT / Fernmeldemuseum Dresden                         | laforge  | 10/17/2023 02:11 PM |                                    |
| 2827 | OsmoBTS                               | Feature | New    | Low      | would be nice if logging of the BTS number in osmo-bts matched the BTS number used in osmo-bsc |          | 06/23/2018 06:48 PM |                                    |
| 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                   |
| 3126 | SDR (Software Defined Radio)          | Bug     | New    | Low      | Windows 10 Pro 1709: crash of rtl_test.exe   |          | 03/30/2018 02:16 PM |                                    |
| 6194 | Retronetworking                       | Feature | New    | Low      | wiki page on MultiTech MT5600-BL   | laforge  | 09/27/2023 12:46 PM |                                    |
| 6195 | Retronetworking                       | Feature | New    | Low      | Wiki page on Cisco *WIC-* line cards for 26xx/28xx series                                      | laforge  | 10/08/2023 07:33 AM |                                    |
| 21   | OsmoNITB                              | Bug     | New    | Low      | we don't see CHANnel ReQireD from motorola EZX phones at call setup                            |          | 03/05/2018 07:36 PM |                                    |
| 5011 | Core testing infrastructure           | Bug     | New    | Normal   | Warning about unrecognized escape sequence in Osmocom_CTRL_Types                               |          | 02/05/2021 11:21 AM |                                    |
| 5029 | libosmocore                           | Bug     | New    | Normal   | vty: optional cases with multiple arguments is undefined behaviour                             |          | 02/18/2021 05:44 PM |                                    |
| 6380 | OsmoHNBGW                             | Bug     | New    | Normal   | VTY transcript tests are broken [again]  |          | 02/28/2024 06:57 PM |                                    |
| 5834 | OsmoPCU                               | Feature | New    | Normal   | VTY option "two-phase-access" is misleading  |          | 12/19/2022 06:55 PM |                                    |
| 6243 | Cellular Network Infrastructure       | Feature | New    | Low      | vty cfg: make changing startup defaults of applications backwards compatible                   |          | 11/01/2023 07:06 PM |                                    |
| 4451 | OsmoMSC                               | Bug     | New    | Normal   | vty 'show stats level': different stats levels yield identical results                         |          | 03/09/2020 10:10 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                   |
| 4790 | OsmoHNBGW                             | Feature | New    | Low      | Vodafone HSPA+ femtocell available in Deutschland  |          | 03/09/2024 07:08 PM |                                    |

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| 1974 | OsmoMSC  | Feature | New    | Low      | VLR: high water mark on subscriber storage                                       |          | 05/15/2022 01:45 PM | Related to #1973                  |
| 1973 | OsmoMSC  | Feature | New    | Low      | VLR: efficient subscriber lookup   |          | 07/18/2019 06:15 AM | Related to #1973                  |
| 6348 | OsmocomBB  | Feature | New    | Normal   | virtphy: add Circuit Switched Data (CSD) support                                 |          | 01/26/2024 10:03 PM | Related to #6348                  |
| 6392 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Feature | New    | Normal   | video recording / c3voc at OsmoDevCon 2024                                       | laforge  | 03/06/2024 12:08 PM |                                   |
| 5304 | OsmoHNBGW  | Bug     | New    | Low      | Verizon CDMA femtocell   |          | 03/09/2024 07:09 PM |                                   |
| 5196 | OsmoMSC  | Bug     | New    | Normal   | Verify several "event not permitted" log lines in unit tests                     | neels    | 08/23/2022 04:08 PM |                                   |
| 3165 | OsmoMSC  | Feature | New    | Low      | Verify LU Request's LAI  | osmith   | 07/18/2019 05:48 AM | Related to #3164                  |
| 3224 | OsmoSGSN   | Bug     | New    | Normal   | verify ciphering after UMTS AKA  |          | 01/08/2020 10:48 PM | Related to #3193,Related to #3224 |
| 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 |
| 4303 | OsmoHLR  | Bug     | New    | Low      | various minor issues about evaluation of rc = db_subscr_get_by_*( )              |          | 12/03/2019 11:02 PM |                                   |
| 2801 | linmodem   | Feature | New    | Normal   | V.90 completion  |          | 01/01/2018 12:18 PM |                                   |
| 1483 | Mobile (in)Security                                    | Bug     | New    | High     | USSD state is not reset when switching cells                                     |          | 02/21/2016 04:34 PM |                                   |
| 5143 | Osmocom Analog   | Feature | New    | Low      | Using ADALM PLUTO SDR with osmocom-analog  | jolly    | 05/05/2021 05:01 PM |                                   |
| 6441 | OsmoSGSN   | Bug     | New    | Normal   | use-after-free on RAU with invalid Old RAI                                       |          | 04/22/2024 01:23 PM | Related to #6441                  |
| 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 |                                   |
| 5012 | osmo-uecups  | Feature | New    | Low      | use osmo-uecups from GGSN_Tests.ttcn   | pespin   | 02/06/2021 10:02 AM | Related to #5012                  |
| 2000 | libosmo-sccp + libosmo-sigtran                         | Feature | New    | Low      | use m3ua-testtool for the ASP-side verification                                  |          | 07/18/2019 05:42 AM |                                   |
| 5766 | libosmo-abis   | Feature | New    | Low      | use Linux kernel KCM for IPA header?   |          | 11/13/2022 08:15 AM | Related to #5766                  |
| 2171 | OP25   | Feature | New    | High     | Use libfftw3 for IFFT/FFT functions.   |          | 04/22/2017 04:14 PM |                                   |
| 1579 | OsmoBTS  | Feature | New    | Low      | Use epoll  |          | 01/15/2021 01:44 PM |                                   |
| 5435 | OCTOI - Osmocom Community TDM over IP                  | Feature | New    | Low      | use DNS to resolve the server  |          | 04/05/2022 08:20 PM |                                   |
| 1678 | SDR (Software Defined Radio)                           | Bug     | New    | Normal   | Use -undefined dynamic_lookup when using Python and building on Mac OS X         |          | 03/30/2016 11:25 PM |                                   |
| 1474 | SDR (Software Defined Radio)                           | Bug     | New    | High     | USB Claim Interface Error  | steve-m  | 02/20/2016 08:23 PM |                                   |
| 1518 | UmTRX  | Feature | New    | Normal   | Upper limit of the clock is too low  |          | 02/19/2016 10:52 PM |                                   |
| 5547 | OsmoBSC  | Feature | New    | Low      | upon emergency call, from the MSC-pool pick an MSC that allows emergency calling |          | 04/25/2022 05:49 AM |                                   |

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| 4578 | Cellular Network Infrastructure       | Bug     | New    | High     | Updated slides / presentations / videos on setting up Osmocom CNI                   | laforge  | 02/13/2021 05:35 PM |                                   |
| 6012 | rtl-sdr                               | Bug     | New    | Normal   | Update wiki for macos build   | steve-m  | 05/01/2023 02:38 AM |                                   |
| 4354 | OsmocomBB                             | Bug     | New    | Low      | update wiki about GTM-900B compatibility  | laforge  | 09/30/2020 11:38 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                  |
| 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 |                                   |
| 4883 | Cellular Network Infrastructure       | Bug     | New    | Normal   | update OsmoNITB migration guide   | neels    | 12/01/2020 08:32 AM |                                   |
| 2175 | OP25                                  | Feature | New    | High     | Update code for GNURadio 3.6 and later  |          | 04/22/2017 04:14 PM |                                   |
| 4749 | OsmoGGSN (former OpenGGSN)            | Bug     | New    | Normal   | Unknown/Unimplemented PCO Protocol  |          | 02/09/2022 01:26 PM |                                   |
| 3531 | OP25                                  | Bug     | New    | Normal   | Unknown status of the p25 wireshark plugin  |          | 10/06/2022 05:52 AM |                                   |
| 3741 | osmo-sip-connector                    | Bug     | New    | Normal   | Unknow call parameters shown in vty   |          | 12/28/2018 02:01 PM |                                   |
| 1902 | OsmoBTS                               | Feature | New    | Low      | unify/refactor dynamic timeslot code  |          | 01/08/2020 10:56 PM | Related to #1902,Related to #3099 |
| 1926 | OsmoBTS                               | Feature | New    | Low      | unify *_mgr code  |          | 07/18/2019 06:08 AM |                                   |
| 3845 | libosmocore                           | Feature | New    | Low      | Unified logging in Gb NS / BSSGP code   |          | 03/16/2019 02:33 PM |                                   |
| 5220 | rtl-sdr                               | Bug     | New    | Normal   | Undefined reference to libusb_dev_mem_free  | steve-m  | 08/31/2021 09:21 AM |                                   |
| 4206 | Qualcomm Linux Modems by Quectel & Co | Support | New    | Urgent   | Unbrick cpe router without web ui interface and terminal                            |          | 02/22/2021 02:01 PM |                                   |
| 3817 | SDR (Software Defined Radio)          | Bug     | New    | Normal   | Unable to use fospor display on Ubuntu 18.10  |          | 02/26/2019 06:56 PM |                                   |
| 6192 | OP25                                  | Bug     | New    | Normal   | Unable to host behind NGINX reverse proxy   | max      | 09/27/2023 01:56 AM |                                   |
| 2216 | gr-osmosdr                            | Bug     | New    | Normal   | uhd: LO offset doesn't seem to work properly  |          | 06/03/2018 12:08 PM |                                   |
| 4886 | OsmoSGSN                              | Bug     | New    | Normal   | UE does not connect data when moving from 2G->3G                                    |          | 12/04/2020 01:29 AM |                                   |
| 1517 | UmTRX                                 | Feature | New    | Normal   | U_FL (UMC) connectors are not reliable after few connections                        |          | 02/19/2016 10:52 PM |                                   |
| 3596 | gr-osmosdr                            | Feature | New    | Normal   | TX Tags   |          | 09/25/2018 04:01 PM |                                   |
| 5814 | OsmoUPF                               | Feature | New    | Normal   | tunmap: more concisely match on GTP-U packets                                       |          | 12/06/2022 07:30 PM |                                   |
| 4103 | libosmocore                           | Feature | New    | Low      | TUAK support as per 3GPP TS 35.231  |          | 03/24/2021 12:33 PM |                                   |
| 3505 | OsmoBSC                               | Feature | New    | Normal   | ttn3: test inter-BSC HO with encryption enabled                                     | neels    | 08/28/2018 06:38 PM | Related to #3505                  |
| 5899 | libosmo-sccp + libosmo-sigtran        | Bug     | New    | Low      | ttn3-sccp-test-latest is actually running code from master, not latest              | osmith   | 03/20/2023 01:18 PM |                                   |
| 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                  |

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| 5340 | OsmoMSC  | Bug     | New    | Normal   | ttn3-msc-test: more memory leaks  | fixeria  | 05/15/2022 04:47 PM |                  |
| 4033 | OsmoGGSN (former OpenGGSN)                             | Feature | New    | Normal   | ttn3-ggsn-test: Add tests to verify secondary pdp context management                            |          | 05/30/2019 03:19 PM |                  |
| 5952 | OsmoBTS  | Bug     | New    | Normal   | ttn3-bts-test: TC_ho_physical_info fails  | fixeria  | 11/15/2023 08:23 AM |                  |
| 5517 | OsmoBTS  | Bug     | New    | Normal   | ttn3-bts-test: new sporadic test case failures  | fixeria  | 03/20/2023 11:45 PM |                  |
| 4990 | OsmoBSC  | Feature | New    | Low      | TTCN3 test for AMR MultiRate IEs in RR and RSL  |          | 07/02/2021 04:34 PM |                  |
| 3731 | OsmoMGW  | Bug     | New    | Normal   | TTCN3 TC_rtpem_selftest randomly fails  |          | 01/08/2020 10:18 PM |                  |
| 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 |                  |
| 3940 | OsmoSGSN   | Bug     | New    | Normal   | TTCN-3: lu: test UMTS Auth  |          | 04/24/2019 08:24 AM |                  |
| 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 |                  |
| 3670 | Cellular Network Infrastructure                        | Feature | New    | Low      | TTCN-3 tests for statsd exporter code   |          | 09/04/2019 09:03 AM |                  |
| 4189 | OsmoBSC  | Feature | New    | Low      | TTCN-3 tests for load-based hand-over in BSC  |          | 09/04/2019 09:10 AM | Related to #4189 |
| 3666 | OsmocomBB  | Feature | New    | Normal   | trxcon: Introduce VTY interface   | fixeria  | 02/26/2020 02:43 PM | Related to #3667 |
| 3557 | OsmocomBB  | Bug     | New    | Normal   | trxcon: decoding errors after applying a new TCH mode   | fixeria  | 06/21/2019 11:56 AM |                  |
| 2523 | OsmoMGW  | Feature | New    | Normal   | transcoding: remove "not yet implemented" from MNCC manual once transcoding is in place         | daniel   | 03/16/2018 07:54 PM |                  |
| 3712 | SIMtrace 2   | Bug     | New    | Low      | TRACE_FATAL not printing  | laforge  | 04/06/2021 01:28 AM |                  |
| 5633 | osmo-clock-gen   | Feature | New    | Normal   | towards a first osmo-clock-gen production batch   | laforge  | 07/26/2022 12:39 PM |                  |
| 1815 | Qualcomm Linux Modems by Quectel & Co                  | Feature | New    | Normal   | tool for building binary ipk from .list/.control  |          | 10/02/2016 05:06 AM |                  |
| 5127 | pySim  | Feature | New    | Normal   | tool for "re-formatting" [sysmocom] cards in tester   | laforge  | 10/14/2021 07:16 PM | Related to #5127 |
| 6295 | OsmoSGSN   | Bug     | New    | Normal   | TMSI realloc complete leads to SecurityModeReject   | osmith   | 12/07/2023 03:15 PM |                  |
| 44   | OsmoSGSN   | Bug     | New    | Normal   | TLLI clash possible   | pespin   | 02/06/2021 01:31 PM |                  |
| 5393 | OsmocomDECT  | Bug     | New    | High     | tipc problems while building on Ubuntu  |          | 01/09/2022 12:48 PM |                  |
| 4538 | OsmoBSC  | Bug     | New    | Normal   | timeslot_fsm.c: make the PDCH act/deact timeout configurable                                    |          | 05/09/2020 08:20 PM | Related to #4539 |
| 2292 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Bug     | New    | Normal   | Time with community users during OsmoCon  |          | 05/25/2017 03:03 PM |                  |
| 4308 | Distributed GSM  | Support | New    | High     | thoughts about incorporating credit / billing in D-GSM  |          | 12/04/2019 04:08 PM |                  |
| 3243 | OsmoBSC  | Bug     | New    | Normal   | there is MGW config for each separate 'msc', but the MGW settings are stored only once globally |          | 05/07/2018 03:10 PM |                  |
| 1516 | UmTRX  | Feature | New    | Normal   | There are no port to control external equipment like PA   |          | 02/19/2016 10:52 PM |                  |

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| 5985 | Cellular Network Infrastructure | Bug     | New    | Normal   | tests: not all Osmocom projects have @osmoappdesc.py@  |          | 03/29/2023 08:09 PM |  |
| 2318 | OsmoGSMTester                   | Feature | New    | Normal   | testing sysmobts: skip copying of binaries when the same are already installed                         |          | 06/07/2017 03:55 PM |  |
| 2225 | OsmoGSMTester                   | Feature | New    | Low      | tester nitb: connect ctrl interface only once  |          | 05/15/2017 12:58 PM |  |
| 3125 | OsmoMSC                         | Bug     | New    | Low      | testcase for fixed "osmo-msc crashes while handling a call"  | neels    | 06/23/2018 07:26 PM | Related to #3122,Related to #2880                  |
| 4418 | OsmocomBB                       | Feature | New    | Normal   | test-sim: support all libosmocore algorithms (comp128 v1, v2, v3; MILENAGE)                            |          | 02/26/2020 11:41 PM |  |
| 4010 | OsmoBSC                         | Feature | New    | Low      | Test RSL CHAN ACT related details for different scenarios  | neels    | 02/06/2021 10:04 AM | Related to #4010,Related to #4010                  |
| 6139 | OsmoSGSN                        | Feature | New    | Normal   | test mobility between GERAN (OsmoPCU) and EUTRAN (Open5GS) end to end on real hardware                 | dexter   | 04/02/2024 09:38 AM |  |
| 4612 | OsmoMSC                         | Support | New    | Normal   | test handover on non-voice call conn (no CC transaction present)                                       |          | 06/14/2020 12:21 PM |  |
| 6242 | Core testing infrastructure     | Feature | New    | Normal   | Test eUPF against ttcn3-upf-test setup   |          | 12/18/2023 11:33 AM |  |
| 2436 | OsmoHNBGW                       | Feature | New    | Low      | Test cases for asn1c APER encoding   |          | 01/08/2020 10:56 PM | Related to #2435,Related to #2436,Related to #3862 |
| 3110 | OsmoMSC                         | Bug     | New    | Normal   | Test and possibly fix ID Request after Auth failure  | neels    | 09/30/2018 11:36 AM |  |
| 3479 | OsmoBSC                         | Feature | New    | Normal   | test "every single failure" in osmo-bsc FSMs   |          | 08/20/2018 11:15 AM | Related to #3479                                   |
| 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                  |
| 2567 | OsmoHLR                         | Feature | New    | Low      | tell the MSC(s) when subscriber data has changed   |          | 10/11/2017 01:50 AM |  |
| 3401 | OsmocomBB                       | Bug     | New    | Normal   | target/firmware/l1ctl: both chan_nr and link_id are not set for L1CTL_DATA_CONF                        |          | 07/16/2018 11:56 PM |  |
| 4863 | OsmoMSC                         | Bug     | New    | Low      | T3212 is unclear in config/vty   |          | 11/19/2020 06:10 PM |  |
| 2382 | OsmoBSC                         | Bug     | New    | Normal   | T3105 not consistently communicated to all BTS models  |          | 03/05/2018 07:02 PM |  |
| 5279 | OsmoMGW                         | Feature | New    | Normal   | systemd service / unit for multiple osmo-mgw on one machine  | osmith   | 10/25/2021 11:41 AM |  |
| 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 |  |
| 5744 | OsmoBSC                         | Bug     | New    | Low      | sysmobts: when a BTS is rf_locked and doesn't support BTS_FEAT_MULTI_TSC the OML connection is dropped | lynxis   | 11/23/2022 11:14 PM |  |
| 57   | OsmoBTS                         | Bug     | New    | Low      | sysmobts L1 is not properly closed, DSP firmware reload is required                                    |          | 03/01/2018 11:16 PM | Related to #57                                     |

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| 2437 | OsmoHNBGW                       | Bug     | New    | Low      | synchronize different asn1c APER forks   |          | 01/08/2020 10:56 PM | Related to #2435,Related to #2436,Related to #3862 |
| 5692 | Cellular Network Infrastructure | Feature | New    | Low      | switch to C99 standard flexible arrays instad of gcc-specific zero-length arrays |          | 09/29/2022 05:59 AM |  |
| 3732 | OsmoHLR                         | Feature | New    | Low      | Support tacdb query in HLR   |          | 07/18/2019 06:12 AM | Related to #3732                                   |
| 5321 | osmo-remsim                     | Feature | New    | Low      | support SAP of u-blox AT+USAPMODE  |          | 11/22/2021 10:37 AM |  |
| 5320 | osmo-remsim                     | Feature | New    | Low      | support SAP of Telit AT#RSEN   |          | 11/22/2021 10:38 AM |  |
| 1571 | OsmoBTS                         | Feature | New    | Low      | Support RTP multiplexing instead of per-call RTP streams                         |          | 02/23/2016 03:32 PM |  |
| 5257 | OsmoBTS                         | Bug     | New    | High     | support random padding in SACCH downlink messages                                |          | 10/12/2021 11:18 AM | Related to #5257                                   |
| 2546 | OsmoMGW                         | Feature | New    | Low      | support play-out/announcement endpoint type                                      |          | 10/06/2017 12:30 PM |  |
| 5144 | gr-osmosdr                      | Bug     | New    | High     | Support multiple Airspy devices  | horiz0n  | 10/21/2023 07:22 PM |  |
| 5492 | OsmoBSCNAT                      | Bug     | New    | Normal   | Support MSC pooling  | osmith   | 04/11/2022 08:19 AM |  |
| 2651 | OsmoMGW                         | Feature | New    | Low      | Support MGCP Piggybacking  |          | 11/18/2017 05:44 PM |  |
| 3586 | OsmoBSC                         | Feature | New    | Normal   | support LCLS for inter-BSC handover  | neels    | 01/17/2019 04:18 PM | Related to #3586,Related to #3659                  |
| 5156 | OsmoBSC                         | Feature | New    | Low      | Support intraBSC handover between distinct BTS types                             |          | 11/04/2021 06:27 PM |  |
| 4717 | OsmoMSC                         | Feature | New    | Normal   | support Handover with changing codec   |          | 08/18/2020 05:14 PM | Related to #4717                                   |
| 6294 | OsmoSGSN                        | Feature | New    | High     | Support GN/Gp interoperation procedures between SGSN and MME                     | daniel   | 04/22/2024 06:04 PM | Related to #6294,Related to #6439                  |
| 3207 | OsmoMGW                         | Feature | New    | Low      | Support for RTP Payload Format according to "ETSI TS 101 318"                    |          | 04/24/2018 03:53 PM |  |
| 5256 | OsmoBTS                         | Feature | New    | High     | support for random padding in LAPDm downlink messages                            |          | 10/12/2021 11:17 AM | Related to #5256                                   |
| 4979 | OsmoBSC                         | Feature | New    | Low      | Support for parsing incoming BSSMAP LOAD INDICATION                              |          | 01/27/2021 02:41 PM | Related to #4979,Related to #4980                  |
| 5307 | Ericsson RBS 6xxx               | Feature | New    | Normal   | Support for Multiple Sectors at an RBS site.                                     |          | 11/13/2021 08:20 PM |  |
| 3606 | OsmoSTP                         | Feature | New    | Normal   | Support for multiple NI (network indicator)                                      |          | 10/03/2018 08:58 AM |  |
| 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                                   |
| 4981 | OsmoBSC                         | Feature | New    | Low      | Support for generating BSSMAP RESOURCE INDICATION                                |          | 01/27/2021 03:02 PM | Related to #4982                                   |
| 4978 | OsmoBSC                         | Feature | New    | Low      | Support for generating BSSMAP LOAD INDICATION                                    |          | 01/27/2021 02:40 PM | Related to #4979,Related to #4980                  |
| 3607 | OsmoSTP                         | Feature | New    | Normal   | Support for capability point codes   |          | 10/03/2018 08:58 AM |  |

| #    | Project  | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|--|---------|--------|----------|--|----------|---------------------|------------------|
| 3609 | OsmoSTP  | Feature | New    | Low      | Support for C-Link   |          | 10/03/2018 08:58 AM |                  |
| 4982 | OsmoMSC  | Feature | New    | Low      | Support for BSSMAP RESOURCE INDICATION   |          | 01/27/2021 03:01 PM | Related to #4982 |
| 4473 | OsmoBTS  | Feature | New    | Low      | Support for broadcast of MOCN related SI21/22/23   |          | 03/29/2020 07:39 PM | Related to #4473 |
| 3469 | OsmoMSC  | Feature | New    | Low      | Support for "service category" in emergency calls  |          | 08/24/2018 12:48 PM | Related to #3470 |
| 3689 | OsmoSGSN                                       | Bug     | New    | Normal   | Support Cisco GGSN (Cisco 7200 with IOS 12.4.x)  |          | 04/09/2019 11:21 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 |                  |
| 38   | OsmoNITB                                       | Bug     | New    | Normal   | subscr_update should sync database before dispatching the signal   |          | 03/05/2018 07:34 PM |                  |
| 6185 | Core testing infrastructure                    | Bug     | New    | Normal   | Submit titan.ProtocolEmulations.SCCP patch upstream  | neels    | 09/20/2023 06:22 PM |                  |
| 1688 | libosmo-sccp + libosmo-sigtran                 | Feature | New    | Low      | SUA: support N-STATE indication primitives for connect and disconnect events   |          | 04/08/2018 07:59 AM |                  |
| 5427 | OCTOI - Osmocom Community TDM over IP          | Feature | New    | Low      | STUN/TURN/ICE for peer-to-peer connections   |          | 01/30/2022 10:43 AM |                  |
| 72   | OsmoNITB                                       | Bug     | New    | Low      | struct gsm_call can leak..   |          | 05/09/2016 07:37 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 |                  |
| 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 |                  |
| 18   | OsmoNITB                                       | Feature | New    | Low      | store last location identity to database   |          | 05/24/2018 01:15 PM |                  |
| 1509 | UmTRX  | Feature | New    | Normal   | Store calibration values in EEPROM   | ipse     | 02/21/2016 04:47 PM |                  |
| 5386 | osmo-e1d                                       | Bug     | New    | Low      | stop watchdog when LOS is present  | laforge  | 01/05/2022 08:38 PM |                  |
| 4226 | Retronetworking                                | Feature | New    | Low      | STM-1 / USB interface?   |          | 01/30/2022 10:14 AM |                  |
| 6388 | libosmocore                                    | Feature | New    | Normal   | stats_reporter via osmo_io / io_uring?   |          | 03/02/2024 04:54 PM | Related to #6388 |
| 2839 | Cellular Network Infrastructure                | Bug     | New    | Low      | statistics split between 2G and 3G   |          | 07/18/2019 05:22 AM |                  |
| 3033 | OsmoTRX  | Feature | New    | Low      | Split wiki page into multiple smaller pages  |          | 03/05/2018 11:28 AM |                  |
| 2186 | libosmocore                                    | Feature | New    | Low      | split libosmocrypto  |          | 10/05/2017 06:25 AM |                  |
| 4495 | IMSI Pseudonymization                          | Feature | New    | Normal   | Specification: More references   | neels    | 05/27/2020 01:11 PM |                  |
| 4489 | IMSI Pseudonymization                          | Feature | New    | Normal   | Specification: mark mandatory parts / implementation details as such   |          | 04/16/2020 08:44 AM |                  |

| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee      | Updated             | Related issues                                     |
|------|---------------------------------|---------|--------|----------|--|---------------|---------------------|--|
| 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 |  |
| 4493 | IMSI Pseudonymization           | Feature | New    | Normal   | Specification: Cover 2G, 3G and 4G separately  | neels         | 05/27/2020 01:11 PM |  |
| 4494 | IMSI Pseudonymization           | Feature | New    | Normal   | Specification: Add bibliography  | neels         | 05/27/2020 01:11 PM |  |
| 1457 | SIMtrace 2                      | Feature | New    | Low      | Spacing between JTAG and JP1/JP2   | mschramm      | 09/13/2018 07:07 PM |  |
| 1511 | UmTRX                           | Feature | New    | Normal   | Solve Tx and Rx I/Q imbalance for wideband signals   |               | 02/19/2016 10:52 PM |  |
| 5229 | libosmocore                     | Bug     | New    | Low      | SNS Size with max_nsvcs = 1 results in a valid config even 2 binds a configured  | lynxis        | 09/05/2021 08:18 PM |  |
| 2414 | OsmoNITB                        | Bug     | New    | Normal   | SMSC: deliverSM message with no user_message_reference   |               | 08/15/2017 05:53 PM | Related to #2413,Related to #2414                  |
| 2373 | OsmoMSC                         | Bug     | New    | Low      | SMS sent to old Nokia 1100: "message 0x332/1" causes CP-ERROR, and SMS is received 5 or more times                                       |               | 08/03/2018 05:22 PM |  |
| 6321 | OsmoMSC                         | Bug     | New    | Low      | SMS not delivered from corrupted SMS database  |               | 01/02/2024 01:07 PM |  |
| 5392 | OsmocomDECT                     | Bug     | New    | High     | Sliding collision errors   |               | 01/09/2022 12:44 PM |  |
| 2799 | linmodem                        | Feature | New    | Normal   | SIP client support   |               | 01/01/2020 08:05 PM |  |
| 6029 | Core testing infrastructure     | Bug     | New    | Normal   | Single TTCN3 BSC handover test fails   |               | 10/18/2023 05:31 PM |  |
| 3815 | SIMtrace 2                      | Bug     | New    | Normal   | simtrace2 fails USB-IF CH9 test  | Hoernchen     | 05/12/2020 07:24 PM |  |
| 5805 | SIMtrace 2                      | Feature | New    | Normal   | SIM Trace 2 Build for Windows  | jelson_simEng | 04/02/2023 09:56 AM |  |
| 5481 | Open Source IMS Client          | Feature | New    | Urgent   | SIM card interface for doubango  | laforge       | 03/25/2022 11:00 AM | Related to #5482                                   |
| 5738 | Misc Hardware Projects          | Bug     | New    | Normal   | Sim 800L module Connectivity   |               | 11/02/2022 06:55 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 |
| 2694 | OsmocomBB                       | Bug     | New    | Normal   | SIGSEGV in lapdm code  |               | 11/30/2017 08:45 AM | Related to #2694                                   |
| 5246 | OsmoBSC                         | Bug     | New    | Low      | sigsegv in bts_count_free_ts()   | keith         | 10/03/2021 08:08 PM | Related to #5324                                   |
| 4640 | OsmoBSC                         | Feature | New    | Low      | SI2quater: support multiple EUTRAN Neighbor Cells List entries, not only multiple EUTRAN Cell Descriptions in the first Cells List entry |               | 07/06/2020 03:03 PM |  |
| 3417 | Cellular Network Infrastructure | Bug     | New    | Normal   | show asciidoc counters does not show all the counters available  | osmith        | 12/01/2019 09:28 AM | Related to #3417,Related to #4848                  |
| 5291 | rtl-sdr                         | Feature | New    | Normal   | Ship the udev rules upstream   | steve-m       | 11/05/2021 11:04 AM |  |
| 4433 | OsmoGGSN (former OpenGGSN)      | Feature | New    | Normal   | sgsnemu: Add support for IPv4v6 EUAs   |               | 03/04/2020 10:44 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 |  |



| #    | Project                               | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|---------------------------------------|---------|--------|----------|--|----------|---------------------|-----------------------------------|
| 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 |                                   |
| 4691 | OsmoMSC                               | Bug     | New    | Low      | selfault in osmo_sockaddr_str_is_set() via call_leg_ensure_ci()                      |          | 02/06/2021 09:47 AM |                                   |
| 4458 | Core testing infrastructure           | Feature | New    | Low      | Set up a STF (Smartphone Testing Farm)   |          | 03/18/2020 02:44 PM |                                   |
| 5885 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | set up a second GPS03 + icE1usb setup  | laforge  | 01/31/2023 08:05 PM | Related to #5885                  |
| 1527 | OsmoPCU                               | Feature | New    | Low      | Set correct values of the puncturing scheme and the retransmission flag              | pespin   | 02/08/2021 07:10 PM |                                   |
| 5771 | Cellular Network Infrastructure       | Feature | New    | Normal   | series of presentations about the individual CNI network elements                    |          | 11/14/2022 07:25 PM |                                   |
| 4310 | osmo-sip-connector                    | Bug     | New    | Normal   | sends BYE to self  |          | 01/09/2020 09:21 AM |                                   |
| 1482 | Mobile (in)Security                   | Bug     | New    | Normal   | Sending the TMSI of the old/previous network   |          | 02/21/2016 04:35 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 |                                   |
| 1570 | OsmoBTS                               | Feature | New    | Low      | Select RTP payload identifier based on requested speech mode                         |          | 02/23/2016 03:31 PM |                                   |
| 6120 | pySim                                 | Bug     | New    | Low      | select MF raise an exception after selecting ADF.ARA-M                               | dexter   | 12/18/2023 10:30 AM | Related to #6120                  |
| 5190 | OsmoBSC                               | Bug     | New    | Low      | segfault with osmo-e1d   |          | 09/15/2021 09:34 AM |                                   |
| 4158 | OsmoHNBGW                             | Bug     | New    | Normal   | segfault when paging, in a situation with duplicate CID in hnb register requests     |          | 05/13/2021 12:01 PM | Related to #4162                  |
| 4825 | OsmoSGSN                              | Bug     | New    | Normal   | security command is missing sometimes  |          | 10/22/2020 02:40 AM |                                   |
| 5822 | OsmocomBB                             | Bug     | New    | Normal   | SE K2x0i: missing RF and AFC params  |          | 12/15/2022 11:36 PM |                                   |
| 5831 | OsmocomBB                             | Bug     | New    | Normal   | SE K2x0i: built-in SIM reader is not working   | steve-m  | 12/16/2022 12:03 AM |                                   |
| 4925 | libosmo-sccp + libosmo-sigtran        | Bug     | New    | Normal   | SCTP multihoming / ABORT between osmo-msc and osmo-stp                               |          | 01/04/2021 11:32 AM | Related to #4926                  |
| 1598 | Cellular Network Infrastructure       | Feature | New    | Low      | Scripting language interface   |          | 12/10/2017 08:04 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 |
| 6244 | Retronetworking                       | Feature | New    | Low      | scan more/all EWS(O) documentation laforge has                                       | laforge  | 11/01/2023 09:50 PM |                                   |
| 3977 | OsmoCBC                               | Feature | New    | High     | SABP stream delineation routines   | laforge  | 09/23/2019 04:49 AM | Related to #3979,Related to #4944 |
| 3595 | gr-osmosdr                            | Feature | New    | Normal   | RX Tags  |          | 09/25/2018 04:01 PM |                                   |
| 4812 | OsmoPCU                               | Feature | New    | Low      | RTTI (Reduced Transmission Time Interval) Support                                    |          | 10/16/2020 08:43 AM |                                   |
| 37   | OsmoNITB                              | Bug     | New    | Normal   | RTP Proxy dealing with SSRC change and sequence numbers                              |          | 03/05/2018 07:34 PM |                                   |
| 5120 | rtl-sdr                               | Bug     | New    | Normal   | rtlsdr_demod_write_reg failed with -9  |          | 04/18/2021 08:55 PM |                                   |

| #    | Project                                      | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues  |
|------|--|---------|--------|----------|---|----------|---------------------|---|
| 3597 | gr-osmosdr                                   | Feature | New    | Low      | rtl: send final samples when device is lost   | horiz0n  | 07/18/2019 05:35 AM |   |
| 3592 | gr-osmosdr                                   | Bug     | New    | Normal   | rtl: Race Conditions  | horiz0n  | 07/18/2019 05:35 AM |   |
| 3593 | gr-osmosdr                                   | Bug     | New    | Low      | rtl: 'len' argument ignored in librtlsdr callback   | horiz0n  | 07/18/2019 05:35 AM |   |
| 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 |   |
| 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 |   |
| 2607 | rtl-sdr                                      | Bug     | New    | Normal   | rtl-sdr gnuradio cfile is outdated  |          | 06/03/2018 12:23 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 |   |
| 6329 | rtl-sdr                                      | Bug     | New    | Normal   | rtl_sdr does not have correct rpath set on OSX build  |          | 01/12/2024 09:57 PM |   |
| 5922 | rtl-sdr                                      | Bug     | New    | Normal   | rtl_sdr bytes_to_read wraparound for n > 2**31  | steve-m  | 03/20/2023 10:16 AM |   |
| 4720 | rtl-sdr                                      | Bug     | New    | Normal   | rtl_power reports invalid values  |          | 08/19/2020 02:47 PM |   |
| 3058 | OsmoBTS                                      | Bug     | New    | Low      | RSL SACCH FILLING are per TRX, not BTS scope  |          | 03/11/2018 08:55 PM |   |
| 5708 | E1/T1 Hardware Interface (including icE1usb) | Bug     | New    | Normal   | rs422: Support runtime re-init of the GPS receiver  | tnt      | 10/13/2022 06:46 PM | Related to #5708  |
| 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  |
| 4884 | OsmoBSC                                      | Bug     | New    | Normal   | RLL_REL_IND is recieved after RF_CHAN_REL   |          | 12/02/2020 11:51 AM |   |
| 2405 | OsmoPCU                                      | Feature | New    | Low      | RLC/MAC encoding routines don't use bitvec L/H  |          | 07/29/2017 09:01 AM |   |
| 6443 | gr-osmosdr                                   | Bug     | New    | Normal   | RF gain: erroneously using 14   | horiz0n  | 04/27/2024 06:21 PM |   |
| 2603 | OsmoPCU                                      | Bug     | New    | Low      | Review the various incomplete and never merged changes in radisys branch  |          | 01/08/2020 10:44 PM | Related to #1775  |
| 1762 | libosmocore                                  | Bug     | New    | Normal   | Review LAPD code for race conditions regarding state, particularly in RELEASE   | laforge  | 03/24/2021 12:37 PM | Related to #1760,Related to #1761,Related to #1982,Related to #2694 |
| 3315 | rtl-sdr                                      | Feature | New    | Normal   | review and possibly apply patches from debian package   | steve-m  | 06/03/2018 01:17 PM |   |
| 2305 | OsmoSGSN                                     | Bug     | New    | Normal   | review 'laforge/santos' branch and check if there are pending fixes   |          | 01/08/2020 10:56 PM |   |
| 2803 | linmodem                                     | Bug     | New    | Low      | return ERROR for unsupported AT commands  |          | 01/01/2018 12:19 PM |   |
| 5768 | Retronetworking                              | Feature | New    | Normal   | retronetworking logo / artwork  |          | 04/07/2024 10:40 PM |   |
| 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                                   |

| #    | Project                               | Tracker | Status | Priority | Subject   | Assignee  | Updated             | Related issues  |
|------|---------------------------------------|---------|--------|----------|---|-----------|---------------------|---|
| 2802 | linmodem                              | Feature | New    | Low      | report the connected speed in "CONNECT" message                               |           | 01/01/2018 12:18 PM |   |
| 1812 | OsmoNITB                              | Feature | New    | Normal   | Report gsm0408_dispatch() failures to MS / UE                                 |           | 01/08/2020 10:56 PM |   |
| 2155 | OP25                                  | Feature | New    | High     | Replace FSK4 demodulation with IQ demodulator stage.                          |           | 04/22/2017 04:16 PM |   |
| 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 |   |
| 6193 | Retronetworking                       | Support | New    | Low      | Replace "event rack" PM3 power supply   | laforge   | 09/27/2023 12:19 PM |   |
| 3885 | osmo-remsim                           | Feature | New    | Normal   | remsim-server should expose status information                                | laforge   | 04/01/2019 07:23 PM | Precedes #3885  |
| 3887 | osmo-remsim                           | Feature | New    | Low      | remsim-client: allow for local handling of APDUs                              | laforge   | 12/03/2019 12:20 AM |   |
| 5859 | OsmoTRX                               | Feature | New    | Normal   | remove non-neon and non-sse support   | Hoernchen | 01/16/2023 10:17 PM |   |
| 2173 | OP25                                  | Feature | New    | High     | Remove dependency on ET++   |           | 04/22/2017 04:14 PM |   |
| 2378 | OsmocomBB                             | Feature | New    | Normal   | Remove copy-pasted libosmocore ("git subtree") from osmocom-bb.git            |           | 10/24/2018 02:13 PM |   |
| 6122 | Cellular Network Infrastructure       | Bug     | New    | Low      | remove big endian support   | osmith    | 10/18/2023 05:20 PM | Related to #6122  |
| 5519 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | reimplement overlapped.php based on yate python module                        |           | 12/03/2023 10:47 AM |   |
| 2554 | Cellular Network Infrastructure       | Feature | New    | Low      | Reference/Demo setup + documentation for use of OsmoBSC+OsmoBSCNAT with OSMUX | pespin    | 06/08/2020 07:07 PM | Related to #2553,Related to #2552,Related to #2551,Related to #2554 |
| 3141 | OsmoTRX                               | Bug     | New    | Normal   | Refactor / clean up TRX CTRL / DATA interfaces implementation                 |           | 04/05/2018 05:46 PM |   |
| 6104 | pySim                                 | Feature | New    | Low      | reduce number of python dependencies  |           | 07/20/2023 04:28 PM |   |
| 1975 | Cellular Network Infrastructure       | Feature | New    | Low      | Redesigned configuration management / MIB                                     | laforge   | 02/16/2021 05:59 PM |   |
| 3884 | osmo-remsim                           | Feature | New    | Normal   | redesign bankd thread architecture  | laforge   | 05/08/2019 03:31 PM | Related to #5527,Precedes #3885,Precedes #3886                      |
| 4080 | rtl-sdr                               | Support | New    | Normal   | Receiving UTAs on 978 Mhz   |           | 07/02/2019 12:08 PM |   |
| 4471 | OsmocomBB                             | Support | New    | Normal   | Received FTMT00L from phone, ramloader has aborted                            |           | 03/29/2020 11:18 AM |   |
| 6215 | Cellular Network Infrastructure       | Bug     | New    | Normal   | Rebase open5gs pcrf_simple patches and submit upstream                        | lynxis    | 10/18/2023 02:53 PM |   |
| 33   | OsmoSGSN                              | Feature | New    | Low      | real LLC implementation with fragmentation and re-transmissions               |           | 11/09/2016 09:45 AM |   |
| 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 |   |
| 2390 | OsmoMSC                               | Feature | New    | Normal   | re-add osmocom specific TLVs to SMPP messages                                 |           | 12/23/2017 05:48 PM |   |
| 2191 | OsmoMSC                               | Feature | New    | Normal   | raw PDU mode for SMPP   |           | 12/23/2017 05:48 PM |   |

| #    | Project                               | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|---------------------------------------|---------|--------|----------|---|----------|---------------------|-----------------------------------|
| 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 |
| 3163 | OsmoMSC                               | Bug     | New    | Low      | RANAP: reject Level 3 Complete from cells with invalid LAI                            | osmith   | 07/18/2019 05:47 AM | Related to #3162,Related to #3163 |
| 3097 | OsmoBSC                               | Feature | New    | Normal   | ramping of "rxlev access min"   |          | 03/22/2018 11:51 AM | Related to #3097                  |
| 1477 | Mobile (in)Security                   | Bug     | New    | High     | RACH flood DoS  |          | 02/21/2016 04:34 PM |                                   |
| 3849 | OsmoMGW                               | Bug     | New    | Normal   | race condition problem in rtp flow tests of the ttcn3 testsuite                       |          | 09/04/2019 09:26 AM |                                   |
| 5008 | gr-osmosdr                            | Bug     | New    | Normal   | Quoted whitespace parsing problem in source_impl::source_impl                         |          | 02/04/2021 02:16 AM |                                   |
| 4635 | libosmo-sccp + libosmo-sigtran        | Feature | New    | Normal   | quirks when initializing SS7 ASP  |          | 06/25/2020 04:46 PM | Related to #4635                  |
| 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                  |
| 6314 | pySim                                 | Bug     | New    | Low      | pySim-trace doesn't support ARA-M   |          | 12/23/2023 09:36 AM |                                   |
| 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                  |
| 5976 | pySim                                 | Feature | New    | Low      | pySim-prog: do not program linked files multiple times                                | dexter   | 03/27/2023 04:05 PM |                                   |
| 5878 | pySim                                 | Bug     | New    | Normal   | pySim shell: version fails with DistributionNotFound                                  | fixeria  | 10/06/2023 09:03 AM |                                   |
| 6219 | Retronetworking                       | Feature | New    | Normal   | Publish pics/videos for EWSD rescue/move  | laforge  | 10/17/2023 02:10 PM |                                   |
| 6319 | Osmo-CC                               | Feature | New    | Normal   | protocol version should have a defined end marker                                     | neels    | 01/10/2024 01:31 PM |                                   |
| 4683 | OsmoBSC                               | Bug     | New    | Normal   | properly report OM2000 bring-up problems  | laforge  | 07/30/2020 06:50 AM | Related to #4683,Related to #6378 |
| 1643 | OsmoHLR                               | Feature | New    | Low      | programmatic access to new asynchronous external HLR                                  |          | 12/10/2017 08:06 PM | Related to #1643,Blocks #1643     |
| 2287 | OsmoGSMTester                         | Feature | New    | Low      | processes launched by gsmtester: store command lines called next to stdout and stderr |          | 05/23/2017 12:11 PM |                                   |
| 2259 | libosmo-sccp + libosmo-sigtran        | Bug     | New    | Normal   | problem with local reference  | laforge  | 07/19/2017 04:25 PM |                                   |
| 5425 | gr-osmosdr                            | Bug     | New    | High     | Problem receiving samples using dual receivers with BladeRF                           |          | 01/29/2022 04:22 AM |                                   |
| 5044 | OsmoMGW                               | Bug     | New    | Low      | potential null pointer dereferences   | pespin   | 02/24/2021 11:48 AM |                                   |
| 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 |                                   |
| 6389 | libosmocore                           | Feature | New    | Low      | port VTY over to osmo_io / io_uring   |          | 03/02/2024 04:55 PM | Related to #6389                  |
| 4596 | OsmocomTETRA                          | Feature | New    | Normal   | Port to GR3.8   |          | 01/08/2021 05:23 PM |                                   |
| 6390 | libosmocore                           | Feature | New    | Low      | port CTRL over to osmo_io / io_uring  |          | 03/02/2024 06:45 PM | Related to #6390                  |

| #    | Project                         | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|---------------------------------|---------|--------|----------|---|----------|---------------------|-----------------------------------|
| 6032 | rtl-sdr                         | Bug     | New    | Normal   | Poor APRS demodulation using RTL_FM on RaspberryPI or on old PC                                 |          | 05/15/2023 12:14 PM |                                   |
| 5460 | gr-osmosdr                      | Bug     | New    | Normal   | Please use double for ppm with fcdp/pp  |          | 02/17/2022 10:43 PM |                                   |
| 5445 | gr-osmosdr                      | Bug     | New    | Normal   | Please switch to the gr-funcube   |          | 02/15/2022 11:56 PM |                                   |
| 5031 | OsmoSDR                         | Bug     | New    | Normal   | Please switch to gr-funcube   |          | 06/17/2021 09:23 AM |                                   |
| 4513 | rtl-sdr                         | Bug     | New    | Normal   | PKG information broken  |          | 04/26/2020 03:21 PM |                                   |
| 5816 | OsmoHNBGW                       | Feature | New    | Low      | Picocells available in R.U  |          | 03/09/2024 07:09 PM |                                   |
| 6395 | OsmoHNBGW                       | Feature | New    | Low      | PFCP URR support in osmo-hnbgw  |          | 03/22/2024 08:08 AM | Related to #6395                  |
| 3648 | OsmoMSC                         | Feature | New    | Low      | persistent VLR (across re-starts of osmo-msc / across power outage)                             |          | 05/17/2022 05:39 PM | Related to #3649                  |
| 48   | OsmoNITB                        | Bug     | New    | Normal   | Periodic timer and paging   |          | 03/05/2018 07:34 PM |                                   |
| 4983 | OsmoMSC                         | Feature | New    | Low      | PERFORM LOCATION REQUEST / RESPONSE   |          | 01/28/2021 11:44 AM |                                   |
| 1554 | OsmoPCU                         | Feature | New    | Normal   | per-MS BSSGP flow control   |          | 02/23/2016 03:12 PM | Related to #1554                  |
| 6150 | OsmoPCU                         | Feature | New    | Normal   | PCUIF: Use unique identifiers instead of the TLLI as msg_id.                                    | dexter   | 10/24/2023 03:15 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 |                                   |
| 4767 | OsmoBSC                         | Bug     | New    | Normal   | pcu interface: add suspend request support  |          | 09/29/2020 04:40 PM |                                   |
| 4768 | OsmoBSC                         | Bug     | New    | Normal   | pcu interface: add missing field ts, trx on rach indication                                     | lynxis   | 09/30/2020 08:10 PM |                                   |
| 4766 | OsmoBSC                         | Bug     | New    | Normal   | pcu interface: add app info request   |          | 09/26/2020 10:21 PM |                                   |
| 5561 | libosmo-sccp + libosmo-sigtran  | Bug     | New    | Low      | pc=0=0.0.0 / RCOC-ERROR.ind not permitted   |          | 05/23/2023 06:20 AM |                                   |
| 6367 | pySim                           | Feature | New    | Normal   | PC/SC <-> Android OMAPI bridge for pySim and others   |          | 02/17/2024 01:34 PM |                                   |
| 5986 | OsmoBSC                         | Bug     | New    | Normal   | PAGING impossible until CCCH LOAD IND is received from the BTS                                  | keith    | 03/31/2023 09:13 AM |                                   |
| 4631 | OsmoSGSN                        | Bug     | New    | Low      | packet/byte counters don't work for 3G  |          | 06/24/2020 06:58 AM |                                   |
| 4834 | OsmocomBB                       | Bug     | New    | Normal   | package cp210x-program as part of network:osmocom:{nightly,latest}                              | osmith   | 10/26/2020 06:01 PM |                                   |
| 2379 | OsmocomBB                       | Feature | New    | Normal   | package as .deb   |          | 02/27/2020 02:39 PM |                                   |
| 2439 | libosmo-netif                   | Bug     | New    | Normal   | Osmux: overwrite duplicated RTP packets instead of dropping them                                |          | 12/01/2019 10:11 AM | Blocks #2439                      |
| 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 |                                   |
| 3006 | libosmo-netif                   | Bug     | New    | Low      | Osmux: improvements on lost/dropped RTP packets   |          | 09/30/2018 08:34 AM |                                   |
| 2440 | libosmo-netif                   | Bug     | New    | Normal   | Osmux: Improve lost packet recreation mechanism   |          | 12/01/2019 10:11 AM | Blocks #2439                      |
| 4092 | OsmoMGW                         | Feature | New    | Normal   | Osmux: Support dynamic allocation of osmux sockets  | pespin   | 08/10/2022 07:50 AM | Related to #4092                  |
| 3061 | OsmoTRX                         | Bug     | New    | Normal   | OsmoTRX ARM chroot build jobs failing due to proot bug  | pespin   | 12/02/2019 04:54 PM | Related to #3766,Related to #4301 |
| 2959 | OsmoSGSN                        | Bug     | New    | Low      | OsmoSGSN puts bogus LAC/RAC in GTP Create PDP CTX ACT REQ                                       | osmith   | 09/30/2018 11:41 AM |                                   |
| 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                  |

| #    | Project  | Tracker | Status | Priority | Subject   | Assignee   | Updated             | Related issues                                     |
|------|--|---------|--------|----------|---|------------|---------------------|--|
| 2960 | OsmoSGSN   | Bug     | New    | Normal   | OsmoSGSN confirms PDP CTX ACT to MS/Gb despite missing conditional IEs on GTP         |            | 01/08/2020 10:48 PM |  |
| 2878 | OsmoMSC  | Feature | New    | Low      | OsmoMSC support for "Follow-on request/proceed"                                       |            | 01/26/2018 09:11 PM |  |
| 2788 | OsmoMSC  | Feature | New    | Normal   | OsmoMSC should handle CM Service Abort message  | neels      | 01/04/2018 10:37 AM |  |
| 3169 | OsmoMSC  | Bug     | New    | Low      | OsmoMSC rejects SMPP messages with empty SMS  |            | 01/08/2020 10:56 PM |  |
| 2877 | OsmoMSC  | Bug     | New    | Normal   | OsmoMSC fails on bearer capability without octet 3a                                   | osmith     | 07/18/2019 05:45 AM |  |
| 2895 | OsmoMSC  | Bug     | New    | Normal   | OsmoMSC excessively uses LU Reject Cause 22 (congestion)                              | osmith     | 07/18/2019 05:41 AM |  |
| 2928 | OsmoMSC  | Bug     | New    | Normal   | OsmoMSC doesn't do BSSMAP ASSIGNMENT if no MNCC_RTP_CREATE is received                |            | 02/11/2018 05:38 PM |  |
| 4477 | IMSI Pseudonymization                                  | Feature | New    | Normal   | OsmoHLR: send next pseudo IMSI via SMS  |            | 04/16/2020 08:45 AM | Blocks #4477,Blocks #4477                          |
| 4588 | OsmoHLR  | Feature | New    | Low      | OsmoHLR doesn't appear to have any statistics / counters                              |            | 06/06/2020 09:44 AM |  |
| 5773 | OsmoGGSN (former OpenGGSN)                             | Bug     | New    | Normal   | OsmoGGSN sends Direct Tunnel packets to the wrong IP address                          |            | 11/17/2022 04:17 AM |  |
| 4172 | OsmoGGSN (former OpenGGSN)                             | Bug     | New    | Normal   | osmoggsn crashes when stopping  |            | 08/29/2019 11:35 AM |  |
| 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                  |
| 3200 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Bug     | New    | Normal   | OsmoDevCon: Use loudspeakers even at IN-Berlin  |            | 04/23/2018 06:53 PM |  |
| 3201 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Bug     | New    | Normal   | OsmoDevCon: Add one more rectangular table  |            | 04/23/2018 07:00 PM |  |
| 3387 | OsmocomBB  | Feature | New    | Low      | osmocon: Use libosmocom logging system  |            | 10/05/2018 04:21 PM |  |
| 6327 | Cellular Network Infrastructure                        | Feature | New    | Low      | Osmocom-build-tags-against-master job builds very basic configurations                | osmith     | 01/11/2024 08:17 PM |  |
| 2764 | SDR (Software Defined Radio)                           | Support | New    | Normal   | osmocom_fft & siggen can't access the X display                                       |            | 12/15/2017 06:09 PM |  |
| 6188 | Cellular Network Infrastructure                        | Bug     | New    | Normal   | Osmocom manuals have "draft" in debian packages of released versions                  | osmith     | 09/21/2023 04:37 PM |  |
| 3847 | Miscellaneous Projects                                 | Feature | New    | Normal   | Osmocom logo with/for black background  | tsaitgaist | 12/10/2019 11:53 AM |  |
| 2435 | OsmoHNBGW  | Bug     | New    | Low      | Osmocom asn1c/libasn1c is based on old fork   |            | 12/21/2022 01:54 PM | Related to #2435,Related to #2435,Related to #3862 |

| #    | Project            | Tracker | Status | Priority | Subject   | Assignee  | Updated             | Related issues                              |
|------|--------------------|---------|--------|----------|---|-----------|---------------------|---|
| 4971 | Osmocom Analog     | Feature | New    | Low      | OsmoCC Socket Documentation   | jolly     | 10/18/2023 02:49 PM |   |
| 5641 | OsmoCBC            | Feature | New    | Normal   | OsmoCBC doesn't yet support reloading cells becoming operational with active messages |           | 08/05/2022 05:10 PM |   |
| 4827 | OsmoBTS            | Bug     | New    | Normal   | OsmoBTS VTY is lacking various vital information                                      |           | 10/23/2020 07:14 PM |   |
| 2364 | OsmoBTS            | Bug     | New    | Low      | OsmoBTS sends SI1 even if it is not specified/needed                                  |           | 07/15/2017 10:06 AM |   |
| 2366 | OsmoBTS            | Feature | New    | Low      | OsmoBTS lacks EXTENDED BCCH support   |           | 07/15/2017 10:42 AM | Related to #1575,Related to #2014           |
| 2974 | OsmoBTS            | Bug     | New    | Low      | OsmoBTS doesn't use the "Diagnostics" part of the RSL Cause IE                        |           | 07/18/2019 05:48 AM |   |
| 3796 | OsmoBTS            | Bug     | New    | Low      | OsmoBTS doesn't send proper cause values in NACK                                      |           | 07/18/2019 06:04 AM | Related to #3796                            |
| 3792 | OsmoBTS            | Bug     | New    | Normal   | OsmoBTS doesn't include the "Starting Time" attribute in "Set BTS Attributes ACK"     | osmith    | 07/18/2019 06:05 AM |   |
| 5574 | OsmoBSCNAT         | Bug     | New    | Urgent   | OsmoBSCNAT testsuite running in jenkins   | Hoernchen | 10/06/2022 11:46 AM | Related to #5574                            |
| 4124 | OsmoBSCNAT         | Feature | New    | Normal   | OsmoBSCNAT : Write user manual  |           | 01/08/2020 10:56 PM | Related to #4124                            |
| 3020 | OsmoBSC            | Bug     | New    | Normal   | OsmoBSC PCU socket interface not yet tested by BSC_Tests.ttcn                         | laforge   | 05/21/2019 06:29 PM |   |
| 3000 | OsmoBSC            | Bug     | New    | Normal   | OsmoBSC issues "RSL Connect" command too early -> race conditions                     |           | 02/25/2018 12:32 PM | Related to #2470,Related to #4179           |
| 4553 | OsmoBSC            | Bug     | New    | Normal   | OsmoBSC doesn't handle RESET IP RESOURCE BSSMAP message                               |           | 05/16/2020 07:44 PM |   |
| 3962 | OsmoTRX            | Feature | New    | Low      | osmo-trx: Use gcc attribute no_sanitize to run fine with ASan enabled                 |           | 08/26/2019 02:04 PM |   |
| 5228 | OsmoTRX            | Feature | New    | Low      | osmo-trx: Missing unit tests for computeCI() and computeEdgeCI()                      | Hoernchen | 11/07/2022 06:23 PM |   |
| 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 |   |
| 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               |
| 3981 | OsmoTRX            | Bug     | New    | Normal   | osmo-trx-lms: Overruns appear from time to time                                       |           | 09/30/2020 08:08 PM | Related to #3981                            |
| 3949 | OsmoTRX            | Bug     | New    | Normal   | osmo-trx-lms: improve runtime gain setting (missing calibration)                      |           | 09/30/2020 08:08 PM | Related to #4468                            |
| 3067 | OsmoTRX            | Bug     | New    | Normal   | osmo-trx usrp b100 time out and packet loss between host and device                   | ttsou     | 03/15/2018 06:36 PM |   |
| 2430 | OsmoTRX            | Feature | New    | Low      | osmo-trx support bladerf  |           | 02/14/2023 01:39 PM | Is duplicate of #2430,Is duplicate of #2430 |
| 6418 | pySim              | Bug     | New    | Normal   | osmo-smdpp docs   |           | 03/25/2024 05:54 PM |   |
| 1686 | osmo-sip-connector | Feature | New    | Normal   | osmo-sip-connector: Implement call holding on SIP                                     |           | 10/20/2020 08:36 AM |   |
| 1687 | osmo-sip-connector | Feature | New    | Low      | osmo-sip-connector: Explore 3-way conference call                                     |           | 01/08/2020 10:56 PM |   |
| 5853 | OsmoSGSN           | Feature | New    | Normal   | osmo-sgsn: Rework to use libosmo-gprs   |           | 01/11/2023 03:14 PM |   |

| #    | Project                        | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|--------------------------------|---------|--------|----------|--|----------|---------------------|------------------|
| 5852 | OsmoSGSN                       | Bug     | New    | Normal   | osmo-sgsn: Keep TLLI<->NSEI+BVCI relation knowledge in BSSGP layer   |          | 01/11/2023 03:08 PM |                  |
| 3403 | OsmoSGSN                       | Bug     | New    | Normal   | osmo-sgsn doesn not connect properly with via SCCP when restarted  | lynxis   | 02/07/2021 12:57 PM | Related to #3403 |
| 5346 | libosmocore                    | Bug     | New    | Low      | osmo-release.sh doesn't work with %{sover} macro in spec.in  | pespin   | 12/09/2021 12:03 PM |                  |
| 1899 | osmo-qcdiag                    | Bug     | New    | Normal   | osmo-qcdiag: DIAG based pcap tracing (DPL) not working   |          | 01/11/2017 12:15 PM |                  |
| 1900 | osmo-qcdiag                    | Feature | New    | Normal   | osmo-qcdiag: Add FUSE based access for EFS   |          | 01/11/2017 12:15 PM |                  |
| 1901 | osmo-qcdiag                    | Feature | New    | Normal   | osmo-qcdiag: Ability to read/write NV data   |          | 01/11/2017 12:15 PM |                  |
| 1907 | osmo-qcdiag                    | Bug     | New    | Normal   | osmo-qcdiag detects CRC errors relatively often  |          | 01/23/2017 01:47 AM |                  |
| 5919 | Core testing infrastructure    | Bug     | New    | Low      | osmo-python-tests: Update/fix README or setup process  | osmith   | 03/20/2023 10:17 AM |                  |
| 5300 | OsmoPCU                        | Bug     | New    | Normal   | osmo-pcu: SUSPEND-NACK not implemented   |          | 03/31/2022 02:59 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 |                  |
| 5827 | OsmoPCU                        | Feature | New    | Normal   | osmo-pcu: Hardcoded limit of maximum number of 8 TRX per BTS   | pespin   | 12/16/2022 11:55 AM |                  |
| 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 |
| 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 |                  |
| 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 |                  |
| 5149 | OsmoPCU                        | Bug     | New    | Low      | osmo-pcu fails to allocate all DL-TBF possible slots under specific scenario   | pespin   | 09/15/2021 09:49 AM |                  |
| 6118 | OsmoPCU                        | Bug     | New    | Normal   | osmo-pcu assigns multi-slot TBFs over PACCH to MS with unknwon ms_class  | pespin   | 09/22/2023 02:33 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 |                  |
| 54   | OsmoNITB                       | Bug     | New    | Normal   | osmo-nitb keeps rtp-proxy socket open in case no DLCX_IND is sent  |          | 03/05/2018 07:34 PM |                  |
| 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 |
| 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 |
| 2601 | libosmo-sccp + libosmo-sigtran | Feature | New    | Low      | osmo-msc still needs libosmo-sccp-dev for SCCP CAUSE definitions   | laforge  | 02/13/2021 06:07 PM |                  |
| 3829 | OsmoMSC                        | Bug     | New    | Normal   | osmo-msc expects aoip TLV in Assignement Complete messages from BSC  |          | 03/07/2019 08:30 PM |                  |
| 4745 | OsmoMGW                        | Bug     | New    | Low      | osmo-mgw: Wrong IP address returned in SDP "o=" section  |          | 10/05/2022 11:00 AM |                  |
| 6060 | OsmoMGW                        | Bug     | New    | Low      | osmo-mgw: Implement MGCP RestartInProgress (RSIP)  | jolly    | 10/18/2023 04:59 PM |                  |



| #    | Project         | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                                     |
|------|-----------------|---------|--------|----------|---|----------|---------------------|--|
| 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 |
| 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     |
| 5837 | OsmoHNBGW       | Bug     | New    | Normal   | osmo-juh: UE-REGISTER-REQ with uE_Identity type IMEI not implemented.   |          | 12/20/2022 03:43 PM |  |
| 5573 | OsmoHNBGW       | Bug     | New    | Normal   | osmo-hnbgw: RANAP LocationReportingControl not implemented  |          | 05/30/2022 02:05 PM |  |
| 5869 | OsmoHNBGW       | Bug     | New    | Normal   | osmo-hnbgw ignores HNBAP HNB De-Register  |          | 01/21/2023 01:52 AM |  |
| 3820 | OsmoHNBGW       | Bug     | New    | Normal   | osmo-hnbgw does not properly do RANAP RESET and RESET ACK on the link towards MSC and SGSN  |          | 05/13/2021 12:01 PM | Related to #3944                                   |
| 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 |  |
| 4406 | OsmoGSMTester   | Feature | New    | Low      | osmo-gsm-tester: Support setting auth_algo milenage or similar on osmocom software and filling HLR parameters like OPC                  | pespin   | 03/31/2023 03:26 PM | Related to #4407                                   |
| 4502 | OsmoGSMTester   | Feature | New    | Low      | osmo-gsm-tester: support gpio controlled step attenuators of the LTHW main unit   | pespin   | 03/31/2023 03:28 PM |  |
| 3068 | OsmoGSMTester   | Bug     | New    | Low      | osmo-gsm-tester: resource objects leaked or destroyed too late  | pespin   | 03/31/2023 03:28 PM |  |
| 3234 | OsmoGSMTester   | Feature | New    | Low      | osmo-gsm-tester: poll the python-smpplib socket using non-busy approach   | pespin   | 03/31/2023 03:28 PM | Related to #2512                                   |
| 3740 | OsmoGSMTester   | Bug     | New    | Low      | osmo-gsm-tester: Figure out best fix for iperf3m4.py where some MS fails to register  | pespin   | 03/31/2023 03:28 PM |  |
| 2452 | OsmoGSMTester   | Bug     | New    | Low      | osmo-gsm-tester: ESME should send submit_sm as a response to deliver_sm   | pespin   | 10/29/2017 06:33 PM | Related to #2429                                   |
| 2230 | OsmoGSMTester   | Feature | New    | Normal   | osmo-gsm-tester: arfcn as resource  |          | 12/14/2017 04:08 PM | Related to #2230                                   |
| 2208 | OsmoGSMTester   | Feature | New    | Low      | osmo-gsm-tester: allow running binaries for a whole suite, or only for a single test  |          | 05/30/2017 01:07 PM | Related to #2208                                   |
| 2200 | OsmoGSMTester   | Feature | New    | Low      | osmo-gsm-tester: allow collecting statistics / KPI of a test case   |          | 04/06/2020 04:57 PM | Related to #2201                                   |
| 4808 | OsmoGSMTester   | Feature | New    | Low      | osmo-gsm-tester: Add test setup to verify baseband frequency hopping  | pespin   | 03/31/2023 03:25 PM |  |
| 2374 | OsmoGSMTester   | Feature | New    | Normal   | osmo-gsm-tester: add test case: sms between MS with delivery report   |          | 08/10/2017 04:37 PM |  |
| 2311 | OsmoGSMTester   | Feature | New    | Normal   | osmo-gsm-tester: add test case: smpp: smpp_first feature  |          | 05/31/2017 04:21 PM |  |
| 2313 | OsmoGSMTester   | Feature | New    | Normal   | osmo-gsm-tester: add test case: smpp: imsi extension  |          | 05/31/2017 04:27 PM |  |
| 2314 | OsmoGSMTester   | Feature | New    | Normal   | osmo-gsm-tester: add test case: smpp: correct ESME routing  |          | 05/31/2017 04:29 PM |  |
| 2431 | OsmoGSMTester   | Bug     | New    | Normal   | osmo-gsm-tester: add test case: MS sends SMS to ESME  |          | 08/10/2017 03:47 PM |  |
| 2209 | OsmoGSMTester   | Feature | New    | Low      | osmo-gsm-tester: add test API to explicitly free a resource   |          | 05/19/2017 11:01 AM | Related to #2208                                   |

| #    | Project  | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|--|---------|--------|----------|---|----------|---------------------|-----------------------------------|
| 2646 | OsmoGSMTester                                  | Feature | New    | Normal   | osmo-gsm-tester: Add osmo-sip-connector support   |          | 04/23/2018 10:40 AM |                                   |
| 2860 | OsmoGSMTester                                  | Feature | New    | Low      | osmo-gsm-tester: Add 3g support with nano3G board   | pespin   | 03/31/2023 03:26 PM | Related to #2860                  |
| 2861 | OsmoGSMTester                                  | Feature | New    | Normal   | osmo-gsm-tester: Add 3g support for sysmocell-5k  |          | 12/02/2019 01:36 PM | Related to #2860                  |
| 6149 | OsmoGSMTester                                  | Bug     | New    | Normal   | osmo-gsm-tester gerrit verifications currently broken, not running in docker                      | osmith   | 08/25/2023 09:13 AM |                                   |
| 6126 | OsmoGSMTester                                  | Bug     | New    | Normal   | osmo-gsm-tester docker container uses debian 10   |          | 08/01/2023 09:49 AM | Related to #6126                  |
| 5449 | OsmoGGSN (former OpenGGSN)                     | Bug     | New    | Low      | osmo-ggsn: Accept IPv4v6 EJA pdp creation in APv4/v6-only APNs by answering with changed PDP Type |          | 04/04/2023 09:46 AM |                                   |
| 6419 | OsmoGGSN (former OpenGGSN)                     | Bug     | New    | Low      | osmo-ggsn removes tun devices it did not create   |          | 03/26/2024 11:26 AM |                                   |
| 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                  |
| 6420 | OsmoGGSN (former OpenGGSN)                     | Bug     | New    | Low      | osmo-ggsn + pre-configured tun device seems to be broken with kernel gtp-u                        |          | 03/26/2024 11:43 AM |                                   |
| 6332 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New    | Normal   | osmo-epdg: Write User Manual  |          | 01/18/2024 04:15 PM | Related to #6332                  |
| 6407 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New    | Normal   | osmo-epdg: Support Emergency services (no IMSI)   |          | 03/15/2024 06:43 PM |                                   |
| 6408 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New    | Normal   | osmo-epdg: Support check IMEI   |          | 03/15/2024 06:45 PM |                                   |
| 6345 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New    | Low      | osmo-epdg: Implement SWm interface (Diameter) ePDG <-> AAA  |          | 01/25/2024 05:22 PM |                                   |
| 4108 | Cellular Network Infrastructure                | Bug     | New    | Low      | osmo-ctrl2cgi, osmo-trap2cgi: missing default configs   |          | 07/16/2019 12:30 PM | Related to #4108                  |
| 61   | OsmoBTS  | Feature | New    | Low      | osmo-bts: split TRAU/RTP frame handling into separate process                                     |          | 06/13/2016 01:16 PM |                                   |
| 3329 | OsmoBTS  | Feature | New    | Normal   | osmo-bts: Implement IMMEDIATE ASSIGNMENT EXTENDED   |          | 06/08/2018 12:02 PM | Related to #3330                  |
| 4630 | OsmoBTS  | Bug     | New    | Low      | osmo-bts: GSMTAP DL (tx) messages use hardcoded signal level 0                                    |          | 10/05/2022 09:11 AM |                                   |
| 2942 | OsmoBTS  | Bug     | New    | Low      | osmo-bts-virtual+virtphy+mobile paging for SMS delivery fails                                     |          | 02/13/2018 05:05 PM |                                   |
| 5474 | OsmoBTS  | Bug     | New    | Normal   | osmo-bts-trx: DTXd support not implemented  |          | 03/02/2022 05:06 PM | Related to #5474,Related to #5474 |
| 1771 | OsmoBTS  | Feature | New    | Low      | osmo-bts-trx: clarify check_transceiver_availability()  |          | 03/01/2018 11:17 PM | Related to #1770                  |
| 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 |                                   |
| 1755 | OsmoBTS  | Feature | New    | Low      | osmo-bts-sysmo L1: unify hLayer3 handling   |          | 02/02/2017 04:00 PM | Related to #1755                  |

| #    | Project                                      | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|--|---------|--------|----------|---|----------|---------------------|-----------------------------------|
| 2674 | OsmoBTS                                      | Bug     | New    | Low      | osmo-bts-sysmo GPRS failing if running without "-M"   | pespin   | 07/18/2019 06:08 AM |                                   |
| 64   | Miscellaneous Projects                       | Bug     | New    | Normal   | osmo-bts-amp: 2.2uF capacitors next to PA need to be 0603, not 0805                                     | tnt      | 02/21/2016 04:48 PM |                                   |
| 5995 | OsmoBTS                                      | Bug     | New    | Low      | osmo-bts printing log line 'OC=GPRS-NSE(f0) INST=(00,ff,ff): Tx unknown 0xf6'                           |          | 10/18/2023 05:47 PM |                                   |
| 5576 | OsmoBTS                                      | Bug     | New    | Normal   | osmo-bts not moving NM state "Enabled -> DisabledDependency" when Admin state becomes Locked            |          | 06/02/2022 10:38 AM |                                   |
| 4446 | OsmoBTS                                      | Bug     | New    | Low      | osmo-bts doesn't actually ever connect() its RTP/UDP sockets  | pespin   | 02/13/2021 05:37 PM | Related to #4446                  |
| 2245 | OsmoGSMTester                                | Bug     | New    | Low      | osmo-bts cfg: fix band string   |          | 05/15/2017 12:58 PM | Related to #2230                  |
| 3330 | OsmoBSC                                      | Feature | New    | Normal   | osmo-bsc: Implement IMMEDIATE ASSIGNMENT EXTENDED   |          | 06/08/2018 12:14 PM | Related to #3330                  |
| 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 |                                   |
| 3309 | libosmocore                                  | Feature | New    | Normal   | osmo_timer_* should use monotonic clock   |          | 05/31/2018 03:59 PM | Related to #3309                  |
| 3872 | OsmoBSC                                      | Feature | New    | Normal   | osmo_scu_prim.conn_id should be picked from a distinct number space for outgoing and incoming N-CONNECT | osmith   | 03/28/2019 08:06 PM | Blocks #3872                      |
| 6415 | E1/T1 Hardware Interface (including icE1usb) | Bug     | New    | Low      | osmo_panic after truncated packet   | laforge  | 03/22/2024 06:54 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 |                                   |
| 6393 | libosmocore                                  | Bug     | New    | Normal   | osmo_io conflating osmo_iofd_unregister vs osmo_iofd_close  | daniel   | 03/07/2024 09:47 AM |                                   |
| 3909 | libosmocore                                  | Bug     | New    | Normal   | osmo_get_rand_id() fails in containerised environment   |          | 03/24/2021 12:34 PM | Related to #3909                  |
| 3983 | libosmocore                                  | Bug     | New    | Normal   | osmo_fsm_inst_change_parent() forgets to talloc reparent  |          | 03/24/2021 12:35 PM |                                   |
| 4149 | libosmocore                                  | Bug     | New    | Normal   | osmo_fsm allows event names to have spaces in them  | laforge  | 01/25/2022 09:53 AM |                                   |
| 4440 | OsmoBTS                                      | Bug     | New    | Normal   | osmo_bts_virtual doesn't detect if mobile/virtphy is gone   | laforge  | 03/07/2020 03:44 PM |                                   |
| 3819 | gr-osmosdr                                   | Support | New    | Urgent   | OSMO SDR blocks for GNUradio  |          | 02/28/2019 06:00 PM |                                   |
| 4762 | osmo-sip-connector                           | Feature | New    | Low      | Osmo Analog Support   |          | 09/25/2020 07:31 AM | Related to #4763                  |
| 2669 | OsmoMSC                                      | Bug     | New    | Low      | osm-msc doesn't clean up BSC state  | osmith   | 09/30/2018 11:37 AM |                                   |
| 5507 | libosmocore                                  | Feature | New    | Normal   | Optimize reset time after SGSN is restarted   | lynxis   | 03/31/2022 12:33 PM |                                   |
| 2355 | OsmoBTS                                      | Bug     | New    | Low      | optimize log output of phy specific code  |          | 09/04/2019 09:26 AM | Related to #2355                  |
| 2610 | libosmocore                                  | Feature | New    | Low      | optimize GnuTLS fallback  |          | 05/01/2018 04:07 PM | Related to #2610,Related to #3909 |
| 1832 | Linux Kernel GTP-U                           | Feature | New    | Normal   | OpenvSwitch GTP-u patch for 2.5   |          | 10/27/2016 08:56 AM |                                   |
| 4130 | OP25   | Bug     | New    | Normal   | OP25 User Interface   |          | 07/26/2019 02:36 AM |                                   |
| 5876 | OsmoHNBGW                                    | Bug     | New    | Normal   | on HNBAP HNB Register, clear previous UE state if any   | neels    | 03/20/2023 01:27 PM |                                   |

| #    | Project                      | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues  |
|------|------------------------------|---------|--------|----------|---|----------|---------------------|---|
| 6009 | OsmoMSC                      | Bug     | New    | Normal   | omo-msc: lots of tl_v_parse() calls in src/libmsc/gsm_04_08.c have no return code checked for errors              |          | 04/19/2023 03:19 PM |   |
| 4082 | OsmoBTS                      | Bug     | New    | Normal   | OML: Unknown/unhandled PCHAN type: 0 NONE   |          | 11/18/2019 10:09 AM |   |
| 4031 | OsmoBTS                      | Bug     | New    | Normal   | OML part of BTS has no TTCN-3 tests   |          | 09/04/2019 09:04 AM | Related to #4031,Related to #4031                                   |
| 3782 | OsmoBTS                      | Bug     | New    | Low      | OML bringup fails for osmo-bts-oc2g on high latency links   |          | 01/08/2020 10:27 PM | Related to #3782,Related to #3782,Related to #3789,Related to #4031 |
| 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 |   |
| 4649 | OsmoBSC                      | Bug     | New    | Low      | OM2K SI5ter: abis_rsl.c:1237 (bts=0,trx=0) ERROR REPORT (cause=Service or Option not available [ 3f ])            | laforge  | 07/04/2020 07:13 PM |   |
| 4682 | OsmoBSC                      | Feature | New    | Low      | OM2000 MCTR Support for Ericsson RBS6000 / DUG 20   |          | 07/30/2020 06:51 AM | Precedes #4682  |
| 28   | OsmoNITB                     | Bug     | New    | Low      | Old siemens phones cannot make voice calls (04.08 channel mode)   |          | 03/05/2018 07:36 PM |   |
| 1505 | UmTRX                        | Bug     | New    | High     | OHM4 footprint incorrect  |          | 02/19/2016 10:52 PM |   |
| 3917 | OsmoGSMTester                | Bug     | New    | Normal   | ofono: update debian packages to match our dependencies   |          | 04/06/2020 11:30 AM |   |
| 2941 | OsmoGSMTester                | Bug     | New    | Normal   | ofono: SierraW sometimes crashing while deactivating a context.   |          | 01/08/2020 10:40 PM |   |
| 3046 | OsmoGSMTester                | Bug     | New    | Normal   | ofono: SierraW modem fails to power on  |          | 01/08/2020 10:41 PM |   |
| 3676 | OsmoGSMTester                | Bug     | New    | Normal   | ofono: org.ofono.ConnectionManager property Bearer returning "none"   |          | 06/09/2020 08:39 PM |   |
| 2468 | OsmoGSMTester                | Feature | New    | Low      | ofono: gobi modem doesn't support ofono SupplementaryServices interface   |          | 01/08/2020 10:51 PM |   |
| 2236 | OsmoGSMTester                | Bug     | New    | Low      | ofono: Fix valgrind issues  |          | 01/08/2020 10:51 PM |   |
| 2432 | OsmoGSMTester                | Feature | New    | Low      | ofono: Find out how to receive Status / Delivery report   |          | 01/08/2020 10:51 PM |   |
| 2189 | OsmoGSMTester                | Bug     | New    | Normal   | ofono: EC20: cannot send SMS  | lynxis   | 11/28/2017 04:21 PM |   |
| 2713 | OsmoGSMTester                | Bug     | New    | Normal   | ofono: chosen pdp type (v4, v6, dual) not strictly followed in ofono qmi  |          | 01/08/2020 10:40 PM | Related to #2713  |
| 4242 | BBS-Revival                  | Feature | New    | Low      | offer CCC event schedule (Fahrplan) as gopher service   |          | 10/28/2019 09:22 AM |   |
| 5499 | osmo-e1d                     | Bug     | New    | Low      | octoi client binds to specific IP even if 0.0.0.0 is specified  |          | 05/23/2023 07:10 AM |   |
| 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   |
| 5850 | SDR (Software Defined Radio) | Bug     | New    | Normal   | OBS mingw builds not updated since 2019   | roox     | 01/04/2023 12:15 PM |   |
| 5298 | gr-osmosdr                   | Bug     | New    | Normal   | object has no attribute 'pyqwidget' on arch linux   |          | 11/09/2021 01:25 AM |   |

| #    | Project                        | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                                     |
|------|--------------------------------|---------|--------|----------|--|----------|---------------------|--|
| 2013 | libosmo-sccp + libosmo-sigtran | Bug     | New    | Low      | OAP (Osmo Auth Protocol) missing from IPA support in libosmo-sigtran                               | neels    | 09/16/2018 10:35 AM | Related to #1843,Related to #2013,Related to #2554 |
| 41   | OsmoMSC                        | Bug     | New    | Normal   | Numbering Plan in OsmoMSC  |          | 06/23/2018 07:37 PM |  |
| 5398 | OsmoSGSN                       | Bug     | New    | Normal   | Null pointer access at "uectx" in ranap_iu_tx  | pespin   | 01/10/2022 01:14 PM |  |
| 5016 | libosmocore                    | Bug     | New    | Low      | ns2: what happens when a dynamic NSE is present, but the user tries to configure it via vty        | lynxis   | 03/29/2021 09:17 PM |  |
| 5277 | libosmocore                    | Bug     | New    | Normal   | ns2: Allow SNS-CONFIG PDUs from unknown endpoints during config procedure                          | lynxis   | 10/22/2021 02:28 PM |  |
| 5015 | libosmocore                    | Bug     | New    | Low      | ns2: add consistency check for ns configuration as callback  |          | 03/29/2021 09:17 PM |  |
| 5035 | libosmocore                    | Bug     | New    | Low      | ns2: add a vty to drop a sns connection  |          | 03/29/2021 09:16 PM |  |
| 5957 | OsmoBTS                        | Bug     | New    | Low      | not all osmo-bts variants respond to abisip-find   | jolly    | 03/22/2023 09:20 AM |  |
| 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 |  |
| 3591 | rtl-sdr                        | Bug     | New    | Normal   | No Way To Detect Occasional Failed Bulk Transfers  |          | 09/25/2018 01:29 PM |  |
| 4986 | OsmoBTS                        | Feature | New    | Low      | No TTCN3 tests of AMR rate/link adaptation   |          | 01/28/2021 01:36 PM |  |
| 4988 | OsmoBTS                        | Feature | New    | Low      | No TTCN3 test for AMR TFO / DL CMR handling  |          | 01/28/2021 01:38 PM |  |

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