

## 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 |                                   |
| 5463 | Retronetworking                       | Feature | In Progress | Low      | X.21 hardware interface  | vogelchr  | 03/04/2023 02:37 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 |
| 1898 | OsmoBTS                               | Bug     | Feedback    | Low      | Wrong handover detection with l1sap on wrong ss=0/ts=0   |           | 11/07/2017 09:54 PM |                                   |
| 4784 | OsmoMSC                               | Bug     | New         | Normal   | wrong cause code (resources unavailable) in MO-to-MT call without response                     | neels     | 10/08/2020 02:35 PM |                                   |
| 1759 | OsmoPCU                               | Bug     | Stalled     | High     | Wrong calculation of DL window size for DL assignment  |           | 01/22/2020 04:01 PM | Related to #1533,Related to #1524 |
| 4658 | OsmocomBB                             | Bug     | Stalled     | High     | Wrong burst order in a multi-trx setup   | fixeria   | 09/14/2020 10:18 AM | Related to #4658,Related to #4658 |
| 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 IGHFT / 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 |                                   |
| 4200 | OsmoMSC                               | Feature | In Progress | Normal   | Work around nano3G-S16 requiring RAB ID to be below 16   | efistokl  | 09/14/2019 09:48 AM |                                   |
| 4869 | OsmoPCU                               | Bug     | New         | Normal   | wireshark: Support dissecting LLC frames on top of RLCMAC (E)GPRS data blocks                  |           | 06/26/2023 11:03 AM | Related to #5367                  |
| 1906 | osmo-qcdiag                           | Bug     | Feedback    | Normal   | wireshark: fix decoding of (E)GPRS RLC/MAC frames  | Hoernchen | 02/08/2021 08:07 PM |                                   |
| 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 |                                   |

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| 21   | OsmoNITB   | Bug     | New      | Low      | we don't see CHANnel ReQireD from motorola EZX phones at call setup          |          | 03/05/2018 07:36 PM |   |
| 5106 | OsmoBSC  | Feature | Feedback | Urgent   | Watchdog that would try to un-BORKE BORKen timeslots                         | keith    | 02/07/2023 06:25 PM | Related to #5106,Related to #5785,Related to #5786,Related to #5106 |
| 5011 | Core testing infrastructure                            | Bug     | New      | Normal   | Warning about unrecognized escape sequence in Osmocom_CTRL_Types             |          | 02/05/2021 11:21 AM |   |
| 5527 | osmo-remsim  | Bug     | Stalled  | High     | warn on duplicate client (id) connections                                    | laforge  | 07/13/2022 01:25 PM | Related to #5527  |
| 4797 | libosmocore  | Bug     | Feedback | Normal   | vtv: the output of 'show ns' command is confusing                            | fixeria  | 10/23/2020 05:35 PM | Related to #4855,Related to #5085                                   |
| 5029 | libosmocore  | Bug     | New      | Normal   | vtv: 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 |   |
| 1768 | OsmoSGSN   | Bug     | Stalled  | Low      | VTY show llc displays State TLLI Unassigned permanently                      |          | 01/08/2020 10:52 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      | vtv cfg: make changing startup defaults of applications backwards compatible |          | 11/01/2023 07:06 PM |   |
| 4451 | OsmoMSC  | Bug     | New      | Normal   | vtv '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 |   |
| 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   | virphy: 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  |

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|------|---------------------------------------|---------|-------------|----------|--|----------|---------------------|--|
| 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 |  |
| 4941 | OsmoBTS                               | Feature | Stalled     | Normal   | VAMOS support in OsmoBTS   | fixeria  | 03/18/2022 01:19 AM | Related to #4941,Related to #4941,Blocks #4941 |
| 4940 | OsmoBSC                               | Feature | Stalled     | High     | VAMOS support in OsmoBSC   | neels    | 08/11/2021 02:47 PM | Related to #4941                               |
| 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 |  |
| 5880 | OsmoSGSN                              | Bug     | In Progress | High     | User Manual sections 11.1.1-2 document non-existing (removed?) VTY commands      | lynxis   | 03/28/2023 02:45 PM |  |
| 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 libfft3 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 |  |
| 4916 | osmo-e1d                              | Bug     | Stalled     | High     | USB unplug / replugin renders e1d unusable                                       | laforge  | 12/04/2023 12:34 PM | Related to #5983                               |
| 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 |  |
| 4578 | Cellular Network Infrastructure       | Bug     | New         | High     | Updated slides / presentations / videos on setting up Osmocom CNI                | laforge  | 02/13/2021 05:35 PM |  |

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| 5714 | pySim                                 | Bug     | Stalled     | Normal   | update_record_decoded does not use real record length when writing EF.MSISDN        | dexter    | 09/17/2023 09:46 AM |                                   |
| 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 |                                   |
| 5679 | libosmo-sccp + libosmo-sigtran        | Feature | In Progress | Normal   | unsupported SCCP user primitive N-PCSTATE.indication                                | neels     | 02/18/2023 01:46 AM |                                   |
| 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 |                                   |
| 6181 | SIMtrace 2                            | Bug     | Feedback    | Normal   | Unexpected INS code with simtrace2-sniff: 0x7f                                      | v.marinos | 10/18/2023 09:41 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 fosphor 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 |                                   |

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| 3505 | OsmoBSC                         | Feature | New         | Normal   | ttn3: test inter-BSC HO with encryption enabled   | neels    | 08/28/2018 06:38 PM | Related to #3505                  |
| 6411 | Cellular Network Infrastructure | Bug     | Stalled     | Normal   | ttn3: execute testsuites with a more realistic link performance                                     |          | 04/03/2024 06:25 PM |                                   |
| 5899 | libosmo-sccp + libosmo-sigtran  | Bug     | New         | Low      | ttn3-sccp-test-latest is actually running code from master, not latest                              | osmith   | 03/20/2023 01:18 PM |                                   |
| 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                  |
| 6426 | OsmoMSC                         | Bug     | Feedback    | Normal   | ttn3-msc-test: TC_mm_id_resp_no_identity fails sporadically   | fixeria  | 04/03/2024 06:49 PM | Related to #6426,Related to #6427 |
| 5340 | OsmoMSC                         | Bug     | New         | Normal   | ttn3-msc-test: more memory leaks  | fixeria  | 05/15/2022 04:47 PM |                                   |
| 4576 | Core testing infrastructure     | Bug     | Stalled     | High     | ttn3-hlr-tests need to route multicast traffic between ttn3-hlr-test and osmo-hlr-master containers | neels    | 10/28/2020 09:48 PM |                                   |
| 4033 | OsmoGGSN (former OpenGGSN)      | Feature | New         | Normal   | ttn3-ggsn-test: Add tests to verify secondary pdp context management                                |          | 05/30/2019 03:19 PM |                                   |
| 6352 | Cellular Network Infrastructure | Bug     | Stalled     | Low      | ttn3-bts-test[-latest] is broken since Feb 1st / docker and multicast                               | osmith   | 03/06/2024 03:57 PM |                                   |
| 5953 | OsmoBTS                         | Bug     | Feedback    | Normal   | ttn3-bts-test: TC_ms_pwr_ctrl_{constant,pf_ewma} are failing  | fixeria  | 03/25/2024 05:19 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 |                                   |
| 6223 | OsmoGGSN (former OpenGGSN)      | Feature | In Progress | High     | TTCN3 unit test[s] for GTPv1U with extension headers  | osmith   | 01/31/2024 08:19 PM | Related to #6223                  |
| 6273 | Core testing infrastructure     | Bug     | Feedback    | Normal   | TTCN3 tests keep suffering from race conditions on shutdown   | daniel   | 12/05/2023 03:29 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 |                                   |
| 4005 | OsmoMGW                         | Bug     | Stalled     | Normal   | TTCN3 crashes when receiving an RTP MGCP_DUMMY_LOAD from osmo-mgw during CRCX                       | dexter   | 06/14/2021 08:31 AM | Related to #4005                  |
| 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                  |

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| 4073 | Cellular Network Infrastructure                        | Feature | Stalled | Low      | try to get counter and vty reference information at compile time                        | Hoernchen | 02/06/2021 02:17 PM | Related to #4073,Related to #4848  |
| 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 |  |
| 4006 | Cellular Network Infrastructure                        | Feature | Stalled | Normal   | TRX protocol: wind of change  | fixeria   | 10/27/2021 10:22 PM | Related to #4006,Related to #4006,Related to #4006,Related to #4081,Related to #4658,Related to #4941,Related to #5283 |
| 2400 | OsmoPCU  | Bug     | Stalled | High     | transmit SI13 on PACCH during long TBFs   | fixeria   | 05/12/2020 12:19 PM | Related to #2400,Related to #3472,Related to #4506   |
| 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 |  |
| 3424 | OsmocomBB SDR PHY                                      | Feature | Stalled | Normal   | Transceiver: implement automatic TX delay measurement                                   |           | 07/09/2023 07:46 PM |  |
| 3294 | OsmoMSC  | Bug     | Stalled | High     | transaction: refactor callref allocation  | neels     | 12/16/2019 02:37 PM | Related to #3294,Related to #3294,Related to #4333,Related to #4854  |
| 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 |  |

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| 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 |  |
| 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                  |
| 4240 | OsmoMSC                         | Bug     | In Progress | Normal   | test: incoming call when already Paging   |          | 11/27/2019 11:09 PM |  |
| 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                  |
| 6023 | Core testing infrastructure     | Feature | Stalled     | Normal   | test rack/lab power management software with usage/reference counting                           | laforge  | 10/18/2023 05:42 PM |  |
| 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 |  |
| 4431 | osmo-clock-gen                  | Bug     | In Progress | Normal   | TC1 (TC2050) pin 4 should connect to VDD network, not VDD_3V3                                   | laforge  | 07/20/2020 10:42 PM |  |
| 6424 | OsmoMGW                         | Bug     | In Progress | High     | TC_one_crcx_loopback_rtp_implicit consistently failing in master, but passes on latest          | neels    | 03/27/2024 08:17 PM |  |

| #    | Project                         | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|---------------------------------|---------|-------------|----------|--|----------|---------------------|--|
| 4841 | OsmoMGW                         | Feature | Stalled     | Low      | TC_e1_crcx_and_dlcx_ep does not pass - move the IPA code out of libosmo-abis                           | dexter   | 10/11/2021 10:10 AM | Related to #4841,Related to #4841  |
| 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 |  |
| 4534 | Ericsson RBS 6xxx               | Support | Stalled     | Normal   | Take pictures of RBS6k gear for documentation  | roh      | 05/20/2020 03:19 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 |  |
| 4822 | osmo-ccid-firmware              | Bug     | Stalled     | Low      | sysmoOCTSIM with osmo-ccid-firmware sometimes fails to enumerate on USB                                |          | 11/05/2021 05:19 PM |  |
| 5310 | osmo-ccid-firmware              | Bug     | New         | Normal   | sysmoOCTSIM does not re-enumerate after unplug/replug the USB cable when PSU is connected              |          | 11/15/2021 05:13 PM |  |
| 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   |
| 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 |  |
| 2501 | OsmoSGSN                        | Bug     | In Progress | Normal   | suspected problem with unanswered neighbor solicitation  | osmith   | 09/11/2019 12:58 PM |  |
| 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   |
| 1794 | OsmoSGSN                        | Bug     | Stalled     | Normal   | support random IV for GEA (via XID)  |          | 03/01/2018 11:17 PM | Related to #1910,Related to #1672,Related to #2843,Blocks #1794,Blocks #1582 |



| #    | Project           | Tracker | Status  | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|-------------------|---------|---------|----------|---|----------|---------------------|-----------------------------------|
| 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                  |
| 4716 | OsmoBSC           | Feature | Stalled | Normal   | support handover between different codec types, like TCH/F FR1 <--> TCH/H HR1 | neels    | 10/28/2020 08:22 PM | Related to #4717                  |
| 6294 | OsmoSGSN          | Feature | New     | High     | Support GN/Gp interoperation procedures between SGSN and MME                  | daniel   | 03/27/2024 01:00 PM | Related to #6294                  |
| 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 |                                   |
| 5759 | OsmoSGSN          | Feature | Stalled | Normal   | Support for Mobility between SGSN (2G/3G) and S-GW (4G)                       | dexter   | 12/07/2023 12:40 PM | Related to #5759                  |
| 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 |                                   |
| 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 |                                   |

| #    | Project  | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|--|---------|-------------|----------|--|----------|---------------------|------------------|
| 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 |                  |
| 5889 | OsmoHLR  | Bug     | In Progress | Normal   | subscriber data: send out correct PDP Info   | lynxis   | 09/01/2023 04:20 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 |                  |
| 6127 | OsmoHNBGW                                      | Feature | Feedback    | Normal   | Submit RAB Modification Req towards HNB to update its peer luUP address if MGW changed it  | pespin   | 11/29/2023 06:45 PM |                  |
| 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 |
| 6364 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | In Progress | Normal   | strongswan: gsup: remove single request limitation   | lynxis   | 02/20/2024 05:59 PM | Related to #6366 |
| 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 |                  |
| 3812 | libosmo-netif                                  | Bug     | Stalled     | Normal   | stream_test fails depending on where it is run   |          | 03/13/2019 04:15 PM |                  |
| 5544 | OCTOI - Osmocom Community TDM over IP          | Bug     | New         | Normal   | Strange HDLC frames in PPP when using mISDN/pppd/capiplugin against Portmaster3  |          | 04/23/2022 01:50 PM |                  |
| 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 |                  |

| #    | Project                         | Tracker | Status  | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|---------------------------------|---------|---------|----------|--|----------|---------------------|--|
| 4107 | Cellular Network Infrastructure | Feature | Stalled | High     | Start systemd services as non-root user  | osmith   | 11/22/2023 06:08 PM | Related to #4107,Related to #4821,Related to #4107,Related to #5669,Related to #5685,Related to #5687,Related to #5722 |
| 3717 | OsmoHLR                         | Bug     | Stalled | High     | SS/USSD: fix SS session inactivity timeout   | fixeria  | 12/05/2018 08:45 PM |  |
| 3445 | OsmoMSC                         | Feature | Stalled | Normal   | SS/USSD: clean up the local GSM 04.80 API  |          | 12/14/2018 01:57 PM |  |
| 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 |  |
| 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 |  |
| 3569 | OsmoBTS                         | Bug     | Stalled | Normal   | Some phones don't receive SMS CB   | laforge  | 01/14/2019 03:32 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 |  |
| 1587 | OsmoSGSN                        | Feature | Stalled | Normal   | SMS over GPRS support  |          | 11/25/2018 08:14 PM | Related to #3587   |
| 6321 | OsmoMSC                         | Bug     | New     | Low      | SMS not delivered from corrupted SMS database  |          | 01/02/2024 01:07 PM |  |
| 5568 | OsmoMSC                         | Bug     | Stalled | Low      | SMPP socket doesn't use TCP_NODELAY  | osmith   | 10/31/2023 09:36 AM |  |
| 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 |  |

| #    | Project  | Tracker | Status      | Priority | Subject  | Assignee      | Updated             | Related issues                                     |
|------|--|---------|-------------|----------|--|---------------|---------------------|--|
| 6029 | Core testing infrastructure                    | Bug     | New         | Normal   | Single TTCN3 BSC handover test fails   |               | 10/18/2023 05:31 PM |  |
| 5770 | SIMtrace 2                                     | Bug     | Feedback    | Normal   | simtrace2 firmware ignores any but the first USB message sent by simtrace2-list after a reset  | jtavares      | 11/23/2022 04:01 AM |  |
| 3815 | SIMtrace 2                                     | Bug     | New         | Normal   | simtrace2 fails USB-IF CH9 test  | Hoernchen     | 05/12/2020 07:24 PM |  |
| 5600 | SIMtrace 2                                     | Feature | Feedback    | Normal   | SIMtrace2 fails to emulate EMV cards   | boggy123      | 12/14/2022 01:07 PM |  |
| 5921 | SIMtrace 2                                     | Bug     | In Progress | High     | simtrace2 cardem vs. Linux kernel USB autosuspend  | laforge       | 09/16/2023 10:47 PM | Related to #5921                                   |
| 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 |  |
| 6318 | OsmoBSC  | Bug     | Feedback    | Normal   | Show lchan shows wrong number of channels for TCH  | neels         | 12/25/2023 01:01 AM |  |
| 3417 | Cellular Network Infrastructure                | Bug     | New         | Normal   | show asciidoc counters does not show all the counters available  | osmith        | 12/01/2019 09:28 AM | Related to #3417,Related to #4848                  |
| 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 |  |
| 4602 | OsmoSGSN                                       | Bug     | Feedback    | Normal   | SGSN crash with "Assert failed mm->gb.lme == NULL gprs_sgsn.c:358"   | lynxis        | 02/26/2021 07:34 PM | Related to #4604,Related to #4605,Related to #4602 |
| 5672 | Misc Hardware Projects                         | Bug     | New         | Normal   | sfp-experimenter / voltage swing of LVDS driver insufficient for SFP spec  |               | 09/02/2022 03:27 PM |  |
| 3863 | OsmoBTS  | Support | Stalled     | Normal   | setup testing of osmo-bts-oc2g on real hardware with ttcn3 and osmocon/osmocom-bb  |               | 12/01/2019 10:52 AM |  |
| 6370 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | In Progress | Normal   | setup ims with kamailio  | lynxis        | 03/14/2024 09:01 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      | setfault in osmo_sockaddr_str_is_set() via call_leg_ensure_ci()   |                               | 02/06/2021 09:47 AM |                  |
| 2497 | OsmoGSMTester                                | Support | Stalled  | Normal   | Set up SIM cards with auth algo other than comp128v1  | daniel                        | 10/15/2019 11:44 AM | Related to #2475 |
| 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 |                  |
| 6416 | E1/T1 Hardware Interface (including icE1usb) | Support | Feedback | Normal   | Serial debug tty port speed   | pfassberg                     | 03/22/2024 06:52 PM |                  |
| 1533 | OsmoPCU                                      | Feature | Feedback | Low      | Separate the window handling from the TBF more clearly  | zecke                         | 07/21/2017 02:46 PM | Related to #1533 |
| 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 |                  |
| 3474 | OsmoBSC                                      | Bug     | Feedback | Normal   | SDCCH not released if Radio Link Failure / Sending Connection Failure: cause = 0x001 Experienced in osmo-bsc and osmo-bts-trx | ron.menez@entropysolution.com | 10/05/2020 09:33 PM |                  |
| 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 |

| #    | Project                               | Tracker | Status  | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|---------------------------------------|---------|---------|----------|---|----------|---------------------|--|
| 2558 | Cellular Network Infrastructure       | Feature | Stalled | Normal   | Scripts to manage thousands of "mobile" and hundreds of osmo-bts-virtual instances                                      |          | 06/08/2020 07:07 PM | Related to #2557,Related to #2556,Related to #2555,Related to #2558,Blocks #2893 |
| 1598 | Cellular Network Infrastructure       | Feature | New     | Low      | Scripting language interface  |          | 12/10/2017 08:04 PM |  |
| 2555 | OsmocomBB                             | Feature | Stalled | Normal   | script interface to OsmocomBB "mobile"  | zecke    | 06/08/2020 07:07 PM | Related to #2555,Related to #2555,Blocks #2893                                   |
| 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 |  |
| 5826 | SIMtrace 2                            | Feature | Stalled | Normal   | SAM4S4BA support in firmware  | laforge  | 01/31/2023 08:06 PM | Related to #5826   |
| 3977 | OsmoCBC                               | Feature | New     | High     | SABP stream delineation routines  | laforge  | 09/23/2019 04:49 AM | Related to #3979,Related to #4944  |
| 5417 | OCTOI - Osmocom Community TDM over IP | Feature | Stalled | Low      | S/T (S0) ISDN BRI adapter with VCXO / GPS-DO  | laforge  | 05/16/2023 08:06 AM | Related to #5436   |
| 3595 | gr-osmosdr                            | Feature | New     | Normal   | RX Tags   |          | 09/25/2018 04:01 PM |  |
| 5301 | Core testing infrastructure           | Bug     | Stalled | Normal   | Run TTCN3 docker tests with sanitizer enabled   | osmith   | 03/20/2024 09:28 AM | Related to #5302   |
| 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 |  |
| 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 |  |

| #    | Project  | Tracker | Status   | Priority | Subject   | Assignee | Updated             | Related issues  |
|------|--|---------|----------|----------|---|----------|---------------------|---|
| 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 |   |
| 5696 | OsmoPCU  | Bug     | Stalled  | Normal   | RLC/MAC: poll timeout when assigning a multi-slot DL TBF                      | fixeria  | 10/05/2022 11:01 AM |   |
| 2405 | OsmoPCU  | Feature | New      | Low      | RLC/MAC encoding routines don't use bitvec L/H                                |          | 07/29/2017 09:01 AM |   |
| 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                                   |
| 4404 | IMSI Pseudonymization                          | Feature | Stalled  | Normal   | Research: Make sure that we can silently detach the IMSI                      |          | 04/15/2020 10:06 AM | Related to #4404,Related to #4480                                   |
| 4917 | osmo-e1d                                       | Feature | Stalled  | Normal   | reporting of alarms/errors known to the icE1usb                               | laforge  | 04/10/2022 10:36 AM |   |
| 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 |   |
| 6045 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | Feedback | Normal   | report erlang diameter problems to the diameter compiler repo.                | pespin   | 03/07/2024 04:16 PM |   |

| #    | Project                               | Tracker | Status      | Priority | Subject   | Assignee  | Updated             | Related issues  |
|------|---------------------------------------|---------|-------------|----------|---|-----------|---------------------|---|
| 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                      |
| 6254 | OsmoDia2GSUP                          | Bug     | In Progress | Normal   | Reconnects of the ttcn3 aren't handled  | lynxis    | 11/11/2023 05:13 PM |   |
| 4080 | rtl-sdr                               | Support | New         | Normal   | Receiving UTAs on 978 Mhz   |           | 07/02/2019 12:08 PM |   |
| 3422 | OsmocomBB SDR PHY                     | Bug     | Stalled     | Normal   | Receiver: sample / burst buffering problem                                    |           | 07/09/2023 07:39 PM |   |
| 3425 | OsmocomBB SDR PHY                     | Bug     | Stalled     | Normal   | Receiver: missing AGC (Automatic Gain Control)                                |           | 07/09/2023 07:44 PM |   |
| 3423 | OsmocomBB SDR PHY                     | Feature | Stalled     | Normal   | Receiver: hard-coded GSM 05.02 channel configuration                          |           | 07/09/2023 07:45 PM |   |
| 4471 | OsmocomBB                             | Support | New         | Normal   | Received FTMTTOOL from phone, ramloader has aborted                           |           | 03/29/2020 11:18 AM |   |



| #    | Project                         | Tracker | Status  | Priority | Subject   | Assignee  | Updated             | Related issues                    |
|------|---------------------------------|---------|---------|----------|---|-----------|---------------------|-----------------------------------|
| 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 |                                   |
| 1705 | SIMtrace 2                      | Bug     | Stalled | High     | re-integrate tracing + card reader modes into SIMtrace2 firmware (SAM3S)      | laforge   | 04/06/2021 01:19 AM | Related to #1705,Related to #3379 |
| 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 |                                   |
| 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 |
| 3420 | libosmo-ranap                   | Bug     | Stalled | Normal   | ranap_transp_assoc_decode() decodes X.213 NSAP address headers as IP address  | osmith    | 07/17/2021 10:14 AM |                                   |
| 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                  |
| 5630 | pySim                           | Bug     | Stalled | Normal   | pySim-trace doesn't support decoding classic SIM cards (TS 11.11 / TS 51.011) | laforge   | 07/24/2022 11:06 AM |                                   |
| 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 |                                   |

| #    | Project                               | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                                     |
|------|---------------------------------------|---------|-------------|----------|--|----------|---------------------|--|
| 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                  |
| 3775 | OsmoTRX                               | Bug     | Stalled     | Normal   | properly debug limesdr usb and limesdr mini clocking requirements and osmo-trx support               |          | 09/30/2020 08:09 PM | Blocks #3341,Blocks #3342,Blocks #3775             |
| 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 |  |
| 2622 | OsmoBSC                               | Support | Stalled     | High     | Prepare automatic interop testing of OsmoBSC against NG40 core simulator + osmo-bts-virtual + mobile |          | 09/04/2019 09:18 AM | Related to #2478,Related to #2558,Related to #2555 |
| 3566 | Misc Hardware Projects                | Feature | Stalled     | Normal   | power supply / battery / charge for our GSM-R OPS 940  | laforge  | 04/02/2023 09:05 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 |  |
| 6069 | Cellular Network Infrastructure       | Feature | In Progress | Normal   | port hello-stk to ant-based build like mrnc>HelloSTK2  | dexter   | 11/02/2023 12:52 PM |  |
| 6390 | libosmocore                           | Feature | New         | Low      | port CTRL over to osmo_io / io_uring   |          | 03/02/2024 06:45 PM | Related to #6390                                   |
| 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 |  |

| #    | Project                         | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|---------------------------------|---------|-------------|----------|---|----------|---------------------|--|
| 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 |  |
| 4856 | OsmoPCU                         | Bug     | Feedback    | Normal   | PCU is running but has no NS connection and does not retry.         | keith    | 10/18/2021 10:02 AM |  |
| 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 |  |
| 3920 | OsmoSGSN                        | Support | In Progress | Normal   | PCAPs files of 3G PS for Osmocom network and Commercial one         |          | 04/18/2019 02:03 PM | Related to #3920,Related to #3936,Related to #3923,Related to #3937,Related to #3922 |
| 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 |  |
| 6198 | Cellular Network Infrastructure | Bug     | In Progress | Normal   | Patch releases for September 2023 Osmocom CNI releases              | roh      | 12/19/2023 01:29 PM | Related to #6253   |
| 2404 | OsmoPCU                         | Bug     | Feedback    | Low      | PAGING-PS doesn't use QoS parameters from BSSGP                     | osmith   | 09/10/2019 11:54 AM |  |
| 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 |  |

| #    | Project                         | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|---------------------------------|---------|-------------|----------|---|----------|---------------------|--|
| 1524 | OsmoPCU                         | Bug     | Feedback    | Normal   | PACCH on the wrong timeslot   | roh      | 10/19/2021 11:50 AM | Related to #1524,Related to #1524,Related to #1524,Related to #2709,Related to #1524,Related to #1524,Related to #3014 |
| 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   |
| 3356 | OsmoSGSN                        | Bug     | In Progress | Normal   | OsmoSGSN doesn't provide unique IDTAG_SERNR in IPA CCM  | osmith   | 04/09/2019 11:22 AM | Related to #3356,Related to #3356,Related to #3644   |
| 2958 | OsmoSGSN                        | Bug     | Stalled     | Normal   | OsmoSGSN doesn't authenticate on second/further ATTACH REQUEST                                  |          | 01/08/2020 10:49 PM | Related to #2958,Related to #4221  |
| 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 |  |
| 2951 | OsmoSGSN                        | Bug     | Feedback    | Normal   | OsmoSGSN Accepts two MO L3 Messages with N(U) set to zero                                       | osmith   | 09/11/2019 12:24 PM |  |
| 2878 | OsmoMSC                         | Feature | New         | Low      | OsmoMSC support for "Follow-on request/proceed"   |          | 01/26/2018 09:11 PM |  |
| 5563 | OsmoMSC                         | Bug     | Stalled     | High     | OsmoMSC sometimes stalls for dozens of seconds in a production deployment                       | laforge  | 08/04/2022 08:15 AM | Related to #5564,Related to #5563,Related to #5566   |
| 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 |  |

| #    | Project  | Tracker | Status   | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|--|---------|----------|----------|---|----------|---------------------|-----------------------------------|
| 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 |                                   |
| 2872 | OsmoMSC  | Bug     | Feedback | Normal   | OsmoMSC doesn't check if CIPHER MODE COMPLETE contains cipher that matches REQUEST    | neels    | 07/29/2019 01:15 PM |                                   |
| 5559 | OsmoMSC  | Bug     | Stalled  | Urgent   | OsmoMSC at 100% CPU and unresponsive for up to several minutes!                       | laforge  | 08/04/2022 08:14 AM | Related to #5563                  |
| 4476 | IMSI Pseudonymization                                  | Feature | Stalled  | Normal   | OsmoHLR: support IMSI pseudo in location update                                       | neels    | 05/27/2020 01:11 PM | Blocks #4477                      |
| 4477 | IMSI Pseudonymization                                  | Feature | New      | Normal   | OsmoHLR: send next pseudo IMSI via SMS  |          | 04/16/2020 08:45 AM | Blocks #4477,Blocks #4477         |
| 4403 | IMSI Pseudonymization                                  | Feature | Feedback | Normal   | OsmoHLR: How to interface with SMS service?   |          | 04/16/2020 08:45 AM | 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 |                                   |
| 4829 | OsmocomBB  | Bug     | Stalled  | High     | OsmocomBB Rx bit errors in dedicated mode   | laforge  | 02/06/2021 09:11 AM | Related to #4832                  |
| 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 |                                   |

| #    | Project                | Tracker | Status      | Priority | Subject   | Assignee   | Updated             | Related issues   |
|------|------------------------|---------|-------------|----------|---|------------|---------------------|--|
| 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   |
| 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 |  |
| 2977 | OsmoBTS                | Feature | Stalled     | Normal   | OsmoBTS measurement processing at L1SAP too complex / pass measurements along with data | dexter     | 05/18/2020 06:47 PM | Related to #2977,Related to #2977,Related to #3530,Related to #3428,Related to #3395,Related to #2977,Related to #3803 |
| 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   |
| 2545 | OsmoBSCNAT             | Feature | Stalled     | Low      | OsmoBSCNAT misses 3GPP AoIP   | osmith     | 10/12/2022 01:15 PM | Related to #5152,Related to #5359,Related to #5574   |
| 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 |  |
| 4537 | OsmoBSC                | Feature | In Progress | Normal   | OsmoBSC needs strategies to recover broken Ichan (Ichan state BORKEN)                   |            | 11/20/2023 05:03 PM | Related to #4537,Related to #4540,Related to #4541,Related to #5106  |

| #    | Project            | Tracker | Status      | Priority | Subject   | Assignee  | Updated             | Related issues                                 |
|------|--------------------|---------|-------------|----------|---|-----------|---------------------|--|
| 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 |  |
| 3806 | OsmoBSC            | Bug     | Stalled     | Normal   | OsmoBSC accepts BSSAP with wrong length field                                     |           | 08/28/2020 08:15 PM | Related to #3806                               |
| 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                  |
| 4362 | OsmoTRX            | Feature | Stalled     | Normal   | osmo-trx-lms: Support multi-arfcn feature   |           | 09/30/2020 08:09 PM | Related to #4362,Related to #4362              |
| 3981 | OsmoTRX            | Bug     | New         | Normal   | osmo-trx-lms: Overruns appear from time to time                                   |           | 09/30/2020 08:08 PM | Related to #3981                               |
| 3342 | OsmoTRX            | Bug     | Stalled     | Normal   | osmo-trx-lms: low tx output power level   | Hoernchen | 04/06/2022 09:25 AM | Related to #3342,Blocks #3342                  |
| 3949 | OsmoTRX            | Bug     | New         | Normal   | osmo-trx-lms: improve runtime gain setting (missing calibration)                  |           | 09/30/2020 08:08 PM | Related to #4468                               |
| 3341 | OsmoTRX            | Bug     | Stalled     | High     | osmo-trx-lms RF Envelope FAIL on LimeSDR, but not on LimeSDR-mini                 |           | 09/30/2020 08:08 PM | Related to #3341,Related to #3861,Blocks #3341 |
| 3067 | OsmoTRX            | Bug     | New         | Normal   | osmo-trx usrp b100 time out and packet loss between host and device               | ttou      | 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 |  |
| 1685 | osmo-sip-connector | Feature | In Progress | Normal   | osmo-sip-connector: Review and define log statements and which info to include    | osmith    | 09/04/2019 09:31 AM |  |

| #    | Project                     | Tracker | Status   | Priority | Subject  | Assignee  | Updated             | Related issues   |
|------|-----------------------------|---------|----------|----------|--|-----------|---------------------|--|
| 1683 | osmo-sip-connector          | Bug     | Stalled  | Low      | osmo-sip-connector: Implement codec selection / move codec selection to osmo-msc   | neels     | 09/23/2020 02:02 PM | Related to #1683,Related to #1683,Related to #1683,Related to #3650,Related to #5177 |
| 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 |  |
| 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   |
| 5578 | SIMtrace 2                  | Bug     | Stalled  | Low      | osmo-remsim-client-st2 hangs after usb-reset without power loss on qmod  | laforge   | 01/31/2023 08:25 PM | Related to #5921   |
| 4409 | osmo-remsim                 | Bug     | Stalled  | Low      | osmo-remsim-client-st2 (or firmware?) gets stuck on PTS  | Hoernchen | 02/06/2021 08:55 AM |  |
| 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 |  |
| 5858 | Core testing infrastructure | Bug     | Feedback | Normal   | osmo-python-tests: Ignore, at least clean up 'tmp_dummy_sock'  |           | 02/22/2023 06:25 PM | Related to #5858   |
| 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 |  |
| 4947 | OsmoPCU                     | Bug     | Stalled  | Normal   | osmo-pcu: Handling for Pkt Resource Req using Global TFI not implemented   | pespin    | 12/22/2022 01:04 PM |  |
| 4966 | OsmoPCU                     | Bug     | New      | Normal   | osmo-pcu: gprs+egprs multiplex: Allow selecting original 8-PSK dl block during retransmission for GMSK-required DL block |           | 01/26/2021 01:07 PM | Related to #4966   |



| #    | Project                        | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|--------------------------------|---------|-------------|----------|---|----------|---------------------|------------------|
| 4967 | OsmoPCU                        | Feature | New         | Normal   | osmo-pcu: Avoid sending new DL EGPRS blocks to MS announcing MS_OUT_OF_MEMORY   |          | 01/21/2021 02:26 PM |                  |
| 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 |
| 6151 | OsmoMSC                        | Feature | Feedback    | Normal   | osmo-msc: Ability to configure (VTY) the AMR(-WB) formats used in RAB-Assignment-Req  | neels    | 08/30/2023 08:16 PM |                  |
| 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 |                  |
| 4721 | OsmoMSC                        | Bug     | In Progress | Normal   | osmo-msc creates evil-twin entries in the VLR when an already attached IMSI does a LU by an unknown TMSI (was: MSC_Tests.TC_lu_by_tmsi_noauth_unknown fails sporadically locally) | neels    | 03/26/2024 03:02 AM | Related to #4721 |

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