

## Issues

| #    | Project                               | Tracker | Status   | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|---------------------------------------|---------|----------|----------|---|----------|---------------------|------------------|
| 4653 | SDR (Software Defined Radio)          | Bug     | New      | Normal   | cannot import name 'fosphor'  |          | 07/07/2020 02:39 AM |                  |
| 4961 | osmo-gbproxy                          | Feature | New      | Normal   | gbproxy support for "network sharing" via MOCN  |          | 01/20/2021 08:38 PM |                  |
| 5483 | Open Source IMS Client                | Feature | New      | Normal   | SIM card interface for strongswan   |          | 03/07/2022 03:19 PM |                  |
| 5395 | OsmocomDECT                           | Feature | New      | Normal   | Support for LMX3161   |          | 01/09/2022 12:55 PM |                  |
| 5396 | OsmocomDECT                           | Bug     | New      | High     | TcpDump/WireShark will not build with libpcap(dect)   |          | 01/09/2022 12:57 PM |                  |
| 4265 | libosmocore                           | Bug     | New      | Normal   | --enable-embedded doesn't work as expected  |          | 11/12/2019 11:18 AM |                  |
| 1462 | OsmocomBB                             | Bug     | New      | High     | ../src/utls.c:182:7: error: only weak aliases are supported in this configuration           |          | 02/21/2016 04:48 PM |                  |
| 6382 | Linux Kernel GTP-U                    | Bug     | Feedback | Normal   | "TC_pdp6_act_deact_gtpu_access" fails with kernel gtp-u                                     |          | 03/05/2024 04:06 PM |                  |
| 5423 | SIMtrace 2                            | Bug     | New      | Low      | "trace" firmware continuous test setup  |          | 01/27/2022 12:24 PM |                  |
| 5202 | OsmocomBB                             | Bug     | New      | Normal   | [Assert failed rc >= 0 l1ctl.c:83] cell_log crashes (mostly) when monitoring specific ARFCN |          | 07/25/2021 01:38 PM |                  |
| 5388 | OsmocomDECT                           | Bug     | New      | Low      | {MM-INFO-SUGGEST} message not sent with ext bit set to 0                                    |          | 01/09/2022 12:28 PM |                  |
| 1744 | OsmoBTS                               | Bug     | New      | Low      | 1-way voice between sysmobts and nanobts if DTX is enabled                                  |          | 07/18/2019 06:08 AM | Related to #1562 |
| 4153 | OsmoMGW                               | Bug     | New      | Normal   | 3G voice broken with ALu 9361 femto   |          | 04/25/2022 05:43 PM |                  |
| 5448 | gr-osmosdr                            | Bug     | New      | Low      | a bug related to gqrx using gr-osmosdr for sdrplay rsp1 through soapy(?)                    |          | 02/09/2022 02:56 AM |                  |
| 2851 | OsmoMSC                               | Bug     | Stalled  | Normal   | a_iface.c:534 Unhandled SIGTRAN primitive: 3:2  |          | 07/18/2019 05:45 AM |                  |
| 1480 | Mobile (in)Security                   | Bug     | New      | High     | A5/3 is not deployed in GSM networks  |          | 02/21/2016 04:34 PM |                  |
| 5526 | OCTOI - Osmocom Community TDM over IP | Feature | New      | Low      | ability to generate GSMTAP traces from osmo-e1d   |          | 07/29/2023 07:23 AM |                  |
| 3737 | OsmoBSC                               | Bug     | New      | Low      | abort because unused lchan has non-null conn pointer, after AMR config error                |          | 05/08/2019 03:35 PM |                  |
| 5372 | osmo-lab-rack                         | Feature | New      | Low      | AC power supply   |          | 12/23/2021 06:33 PM |                  |
| 2160 | OP25                                  | Feature | New      | High     | Add "datascope" to usrp_p25_rx.py   |          | 04/22/2017 04:16 PM |                  |
| 2913 | OsmocomBB                             | Feature | New      | Low      | Add a tool that decodes Cell Broadcasts (SMSCB)   |          | 09/29/2018 09:31 AM | Related to #3564 |
| 2615 | OsmoGSMTester                         | Bug     | New      | Normal   | Add API to check GPS lock in BTS  |          | 11/03/2017 05:00 PM |                  |
| 1946 | OsmoBSC                               | Feature | New      | Low      | Add checks to the BSC VTY to prevent configurations known to not work                       |          | 10/20/2020 08:40 AM | Related to #1614 |
| 3019 | OsmoHLR                               | Feature | New      | Low      | add config for number of auth tuples returned   |          | 06/23/2018 06:58 PM |                  |
| 1624 | OsmoPCU                               | Bug     | New      | Normal   | add CRBB support to write_packet_ack_nack_desc_egprs  |          | 10/20/2020 08:37 AM |                  |
| 5323 | Core testing infrastructure           | Feature | New      | Normal   | Add docker image containing titan.core master   |          | 12/15/2021 04:43 PM | Related to #6187 |

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|------|---------------------------------|---------|--------|----------|---|----------|---------------------|-----------------------------------|
| 6398 | pySim                           | Bug     | New    | Normal   | Add helper for SwMatchError   |          | 03/09/2024 09:34 PM |                                   |
| 4579 | OsmoBTS                         | Bug     | New    | Normal   | add IPv6 support  |          | 02/12/2021 12:26 PM |                                   |
| 5662 | OsmoUPF                         | Feature | New    | Normal   | add Linux kernel options to manual  |          | 08/24/2022 03:13 PM |                                   |
| 2698 | OsmoMSC                         | Bug     | New    | Low      | Add more tests to jenkins job testing osmo-msc against NG40tester   |          | 01/08/2020 10:17 PM | Related to #2477                  |
| 3038 | multi-voltage USB UART          | Feature | New    | Normal   | Add mounting holes?   |          | 03/07/2018 02:12 AM |                                   |
| 2391 | OsmoMSC                         | Feature | New    | Low      | add osmocom specific TLVs to A-interface for BTS/TS and subscriber details  |          | 10/02/2018 03:40 PM |                                   |
| 4587 | Cellular Network Infrastructure | Feature | New    | Low      | Add port numbers to /etc/services during installation   |          | 06/08/2020 10:28 AM | Related to #5013                  |
| 2166 | OP25                            | Feature | New    | High     | Add support for Max's I/Q 455khz downconverter  |          | 04/22/2017 04:15 PM |                                   |
| 1555 | OsmoPCU                         | Feature | New    | Low      | Add support for unacknowledged RLC Mode   |          | 01/22/2020 02:59 PM |                                   |
| 2707 | OsmoGSMTester                   | Feature | New    | Normal   | Add support for verifying content of log files after test is run  |          | 12/04/2017 05:05 PM |                                   |
| 4128 | OsmoHNBGW                       | Feature | New    | Low      | Add support of Huawei hNodeB protocol   |          | 07/24/2019 03:39 PM |                                   |
| 4806 | osmo-ccid-firmware              | Feature | New    | Low      | Add support of T=1?   |          | 10/15/2020 03:40 PM |                                   |
| 2271 | OsmoGSMTester                   | Feature | New    | Low      | add test names to pick to the -s cmdline option   |          | 05/18/2017 12:32 PM |                                   |
| 2399 | OsmoGSMTester                   | Feature | New    | Normal   | add tests for graceful restart of individual components   |          | 07/25/2017 12:02 AM |                                   |
| 4541 | OsmoBSC                         | Feature | New    | Normal   | add ttcn3 tests for situations of Abis latency spikes, where chan act/deact ACK messages arrive late  |          | 11/20/2023 05:03 PM | Related to #4541,Related to #6375 |
| 1983 | rtl-sdr                         | Support | New    | Normal   | Add welle.io and rtl_fm_streamer to rtl-sdr app list  |          | 06/03/2018 12:24 PM |                                   |
| 4174 | osmo-fl2k                       | Bug     | New    | Normal   | After the latest commits, the fl2k tools do not exit on first SIGINT  |          | 08/25/2019 04:57 PM |                                   |
| 1857 | OsmoBSC                         | Feature | New    | Normal   | aggregate and report OML ALERT messages received from BTSs  |          | 12/10/2017 08:16 PM | Related to #1615,Related to #1605 |
| 5813 | OsmoHNBGW                       | Feature | New    | Low      | Alcatel-Lucent femtocells available in Europe   |          | 03/09/2024 07:09 PM |                                   |
| 6000 | OsmoMSC                         | Feature | New    | Normal   | Allow emergency calls without IMSI (using IMEI as MI)   |          | 04/12/2023 11:03 AM | Related to #6000                  |
| 4014 | OsmoBTS                         | Feature | New    | Low      | Allow multiple [virtual] BTS instances on same [SDR] hardware that supports multiple TRX  |          | 05/21/2019 12:07 PM |                                   |
| 3470 | OsmoMSC                         | Feature | New    | Low      | Allow sending "Emergency Number List IE" in LU ACCEPT   |          | 09/01/2018 08:18 PM | Related to #3470                  |
| 2612 | OsmoGSMTester                   | Feature | New    | Low      | Allow skipping pcaps by configuration if access to topdump is not wanted  |          | 04/06/2020 11:25 AM |                                   |
| 2798 | linmodem                        | Feature | New    | Normal   | ALSA Soundcard Support  |          | 01/01/2018 12:02 PM |                                   |
| 4455 | OP25                            | Feature | New    | Normal   | AMBE CODEC  |          | 03/28/2020 09:53 PM |                                   |
| 5726 | OsmoMGW                         | Bug     | New    | Normal   | AMR octet-align in SDP: lack of 'octet-align' fmp should imply octet-align=0, and the presence or absence of this fmp should not have an effect |          | 12/12/2023 01:51 AM | Is duplicate of #5726             |

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|------|-----------------------|---------|---------|----------|--|----------|---------------------|---|
| 4989 | OsmoBTS               | Feature | New     | Low      | AMR RATSCCH support  |          | 01/28/2021 01:41 PM |   |
| 4985 | OsmoBTS               | Bug     | New     | Normal   | AMR RTP CMR of downlink frames not used to influence CMC                                   |          | 01/28/2021 01:35 PM |   |
| 4479 | IMSI Pseudonymization | Feature | New     | Normal   | Applet: change IMSI after receiving SMS  |          | 04/16/2020 08:45 AM |   |
| 4486 | IMSI Pseudonymization | Feature | New     | Normal   | Applet: gracefully handle case where timer is set twice                                    |          | 04/16/2020 08:45 AM |   |
| 4417 | IMSI Pseudonymization | Bug     | New     | Normal   | Applet: LU counter should only increase on successful location update                      |          | 04/16/2020 08:45 AM | Related to #4478  |
| 4478 | IMSI Pseudonymization | Feature | New     | Normal   | Applet: proper warning after too many LU with same IMSI                                    |          | 04/16/2020 08:45 AM | Related to #4478  |
| 4481 | IMSI Pseudonymization | Feature | New     | Low      | Applet: test various REFRESH qualifiers to possibly shorten the time for changing the IMSI |          | 04/16/2020 08:45 AM |   |
| 4480 | IMSI Pseudonymization | Bug     | New     | Normal   | Applet/OsmoMSC: fix or workaround for OsmoMSC only paging attached MS                      |          | 04/16/2020 08:45 AM | Related to #4480  |
| 3458 | OsmocomBB SDR PHY     | Bug     | Stalled | Normal   | apps/grgsm_trx: [ERROR] [STREAMER] recv packet demuxer unexpected sid 0xXX                 |          | 07/09/2023 07:48 PM | Related to #3692  |
| 3459 | OsmocomBB SDR PHY     | Bug     | Stalled | Normal   | apps/grgsm_trx: AssertionError: packe t_info.packet_count == (seq_to_ack & 0xff)           |          | 07/09/2023 07:48 PM |   |
| 4274 | OsmoSTP               | Bug     | New     | Normal   | AS Name isn't displayed  |          | 03/14/2024 10:33 AM |   |
| 2916 | OsmoMSC               | Bug     | New     | Normal   | asan failure on debian unstable in msc_vlr_test_gsm_ciph                                   |          | 02/09/2018 04:20 PM |   |
| 2690 | OsmocomBB             | Bug     | New     | Normal   | ASAN issue on shutdown/no shutdown SYSINFO access  |          | 11/29/2017 09:33 AM |   |
| 1530 | OsmoPCU               | Feature | New     | Low      | Assign same TFI number in downlink/uplink  |          | 01/26/2020 08:50 AM |   |
| 3787 | OsmoBSC               | Bug     | New     | Low      | Assignment Request modifies conn->codec_list before the Assignment is successful           |          | 01/08/2020 10:25 PM | Related to #3833  |
| 3786 | OsmoBSC               | Bug     | New     | Low      | Assignment Request modifies conn->lcls state before the Assignment is successful           |          | 01/08/2020 10:25 PM |   |
| 6322 | pySim                 | Bug     | New     | Low      | ATR type annotation  |          | 01/03/2024 09:55 PM |   |
| 4642 | OsmoNITB              | Bug     | New     | Low      | Attempting to set illegal id for FSM instance of type 'OM2000-MO'                          |          | 07/03/2020 06:40 PM |   |
| 1837 | OsmoBTS               | Feature | New     | Low      | autogenerate dtx_dl_amr_fsm.*  |          | 03/01/2018 11:17 PM |   |
| 5865 | OsmoHLR               | Feature | New     | Low      | Automate selection of LU Reject Cause  |          | 02/16/2023 10:36 AM |   |
| 2893 | OsmoBSC               | Feature | Stalled | Low      | automatic simulator for large LU load  |          | 09/04/2019 09:23 AM | Related to #2722,Related to #2591,Blocks #2893,Blocks #2893 |
| 6337 | OsmocomBB             | Bug     | New     | High     | bad fr audio with gapk/ms-sdr  |          | 01/22/2024 09:21 PM | Related to #6337  |
| 6394 | OsmoUPF               | Feature | Stalled | Low      | Basic URR (Usage Reporting Rule) support for tunnel mapping                                |          | 03/22/2024 08:08 AM | Related to #6395  |
| 6401 | libosmcore            | Feature | New     | Low      | benchmark batching io_uring operations   |          | 03/14/2024 08:10 AM |   |

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| 1614 | OsmoBSC                               | Bug     | Stalled | Normal   | better identification of BTS model / capabilities to BSC   |          | 05/12/2020 12:11 PM | Related to #1614,Related to #2316,Related to #2317,Related to #3799,Related to #3938 |
| 3831 | OsmoBSC                               | Feature | New     | Low      | BSC support for "network sharing" via MOCN   |          | 01/20/2021 10:03 AM | Related to #4473   |
| 5515 | OsmoBSC                               | Bug     | New     | Normal   | BSC_Tests: re-establishment: RA during CHAN RQD should reflect re-establishment                    |          | 04/06/2022 08:02 PM |  |
| 4930 | OsmoBSC                               | Bug     | New     | Normal   | bsc: cbc: vty: "no remote-ip" in cbc > client  |          | 12/31/2020 10:42 PM |  |
| 1600 | OsmoBSC                               | Feature | New     | Low      | BSC: Make SI / rest octests more configurable  |          | 12/10/2017 08:04 PM |  |
| 5843 | OsmoBSC                               | Bug     | New     | Normal   | BTS features aren't reset after oml drop   |          | 12/22/2022 09:27 PM |  |
| 4504 | OsmoTRX                               | Feature | New     | Low      | Buidl LimeSuite without GUI in osmocomb feeds  |          | 09/30/2020 08:08 PM |  |
| 3776 | OP25                                  | Bug     | New     | Normal   | Build fail using gcc version 7.3.0 Ubuntu 18.04.1 LTS  |          | 07/05/2019 07:12 PM |  |
| 6176 | OsmoSGSN                              | Bug     | New     | Low      | build failure (dependency / concurrency issue)   |          | 09/13/2023 03:14 PM |  |
| 5546 | OCTOI - Osmocom Community TDM over IP | Feature | New     | Normal   | build frame relay "hub" similar to ISDN "hub"  |          | 04/24/2022 03:03 PM |  |
| 2809 | Z-Netz                                | Bug     | New     | Normal   | Build ZConnect <-> UseNet gateway  |          | 01/01/2018 01:33 PM |  |
| 3229 | Cellular Network Infrastructure       | Feature | New     | Low      | build-system: jenkins.sh: Improve debian package generation test coverage during gerrit submission |          | 05/08/2019 02:36 PM | Related to #3228   |
| 1916 | OsmocomBB                             | Bug     | New     | Normal   | building GNU ARM toolchain with gcc-4.8 fails on modern texinfo                                    |          | 10/16/2017 02:14 PM |  |
| 5305 | OsmocomBB                             | Bug     | New     | Normal   | Burst capture  |          | 11/10/2021 06:38 PM |  |
| 2884 | OsmoMSC                               | Bug     | New     | Low      | Call Control timers are very long and not configurable   |          | 01/08/2020 10:56 PM |  |
| 25   | OsmoMSC                               | Feature | New     | Low      | Call HOLD / RETRIEVE support for internal MNCC   |          | 08/01/2019 03:06 PM |  |
| 3663 | gr-osmosdr                            | Bug     | New     | Normal   | Can't compile gr-osmosdr on macOS Mojave   |          | 10/19/2018 02:37 PM |  |
| 4685 | SDR (Software Defined Radio)          | Bug     | New     | Normal   | Can't compile libusrp  |          | 08/04/2020 08:52 AM |  |
| 4325 | gr-osmosdr                            | Bug     | New     | Normal   | can't open hackrf_sink with device index   |          | 12/13/2019 09:18 AM |  |
| 4491 | OsmoHLR                               | Bug     | New     | Low      | Cancel in old VLR/SGSN, if new VLR/SGSN differs from old   |          | 04/15/2020 12:29 PM |  |
| 3734 | gr-osmosdr                            | Bug     | New     | High     | Cannot compile gr-osmocomb   |          | 12/16/2018 12:22 AM |  |
| 6372 | OsmocomBB SDR PHY                     | Bug     | New     | Normal   | Cant connect to BS using cell_log and mobile   |          | 02/22/2024 07:13 AM |  |
| 1813 | Qualcomm Linux Modems by Quectel & Co | Bug     | New     | Normal   | cat /dev/snd/* causes kernel oops  |          | 09/30/2016 04:00 PM |  |
| 5721 | OsmoCBC                               | Feature | New     | Normal   | CBC messages Geographical Scope and CBS Index  |          | 10/19/2022 07:23 AM |  |
| 5585 | OsmoCBC                               | Bug     | New     | Low      | CBC should not send WRITE-REPLACE to cells that had sent FAILURE                                   |          | 08/05/2022 04:58 PM |  |

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| 4196 | OsmoMSC                               | Feature | New      | Normal   | CC Setup, Call Confirmed: decode and use the Supported Codec List IE                               |          | 09/25/2019 05:27 PM |  |
| 1550 | OsmoPCU                               | Bug     | New      | Normal   | Cell reselection under network control   |          | 02/23/2016 03:06 PM |  |
| 5682 | OsmoUPF                               | Feature | New      | Low      | cfg: separate PFCP Node ID from PFCP local address   |          | 09/17/2022 02:21 PM | Related to #5682                                     |
| 5647 | OsmoHNBGW                             | Feature | New      | Normal   | cfg: separate PFCP Node ID from PFCP local address   |          | 08/17/2022 03:38 PM | Related to #5648, Related to #5682                   |
| 2933 | OsmoMSC                               | Bug     | New      | Low      | change of trans->bearer_cap (e.g. via MNCC) will not trigger BSSMAP ASSIGNMENT                     |          | 02/12/2018 11:36 AM | Related to #2854                                     |
| 4846 | OsmoPCU                               | Feature | New      | Normal   | change RBB received block bitmap into 1s when everything was acked                                 |          | 11/04/2020 02:29 AM |  |
| 3988 | OsmoMSC                               | Feature | New      | Low      | change the remaining DEBUGP() statements to LOG_MSC_A() / LOG_MSC_A_CAT()                          |          | 05/08/2019 03:26 PM |  |
| 4008 | OsmoBTS                               | Bug     | Feedback | High     | Channel Activation starts SACCH too early in Asynchronous Handover                                 |          | 03/11/2022 12:47 PM | Related to #4008, Related to #4010, Related to #4009 |
| 4009 | OsmoBTS                               | Bug     | New      | Normal   | Channel Activation starts SACCH too early in Synchronous Handover                                  |          | 03/11/2022 12:44 PM | Related to #4009, Related to #4010, Related to #4009 |
| 6328 | OsmoBSC                               | Bug     | New      | Normal   | Channel Mode Modify fails to modify the RTP payload type number                                    |          | 01/12/2024 06:24 AM | Related to #6328                                     |
| 3443 | OsmoMGW                               | Bug     | New      | Low      | Check audio-payload options in osmo-mgw VTY  |          | 03/15/2020 08:43 AM |  |
| 1659 | OsmoBSC                               | Feature | New      | Low      | Check encoding of SI at time parameters are entered from VTY, not just at generation time          |          | 12/10/2017 08:06 PM |  |
| 1814 | Qualcomm Linux Modems by Quectel & Co | Feature | New      | Low      | check if qtools work   |          | 10/02/2016 04:08 AM |  |
| 5851 | OsmoSGSN                              | Bug     | New      | Normal   | check if rate ctr GMM_CTR_PKTS_UDATA_IN is correct increased in sgsn_gtp_data_req() func           |          | 01/10/2023 06:40 PM |  |
| 5644 | Osmocom Libraries                     | Bug     | New      | Normal   | Check library pkg-config files for proper dependencies   |          | 08/10/2022 01:02 PM | Related to #5644                                     |
| 2504 | OsmoGSMTester                         | Support | New      | Normal   | check whether running osmo-* from docker images is feasible on osmo-gsm-tester                     |          | 04/06/2020 11:28 AM |  |
| 2462 | OsmoBSC                               | Feature | New      | Low      | clarify lchan->encr.alg_id   |          | 08/24/2017 01:27 PM | Related to #2462                                     |
| 3738 | OsmoMSC                               | Feature | New      | Normal   | Clarify PS-part of struct vlr_subscr   |          | 12/19/2018 12:34 PM |  |
| 4554 | OsmoMGW                               | Bug     | New      | Normal   | Clean up stale endpoints after OsmoBSC crash   |          | 05/16/2020 08:52 PM |  |
| 2011 | Cellular Network Infrastructure       | Feature | New      | Low      | clean-up / merge IPA (and IPA CCM) code of libosmocore, libosmo-abis, libosmo-netif, openbsc, etc. |          | 12/07/2022 04:11 PM | Related to #4841                                     |
| 5908 | Cellular Network Infrastructure       | Feature | New      | Low      | Cleanup license information throughout the projects  |          | 02/16/2023 11:02 AM |  |

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| 3980 | OsmoMGW                         | Bug     | New      | Normal   | Clear Command before CRCX OK may leak MGW endpoint  |          | 05/06/2019 10:11 PM |                                   |
| 5628 | osmo-remsim                     | Bug     | New      | Low      | client-st2: error mesasges when mapping is removed  |          | 07/24/2022 07:14 AM |                                   |
| 1692 | OsmoBTS                         | Feature | New      | Low      | clock source monitoring   |          | 04/13/2016 09:49 AM |                                   |
| 1546 | OsmoPCU                         | Feature | New      | Low      | closed loop uplink power control  |          | 09/30/2020 08:05 PM |                                   |
| 4484 | gr-osmosdr                      | Bug     | New      | Normal   | CMakeFiles.txt  |          | 04/06/2020 05:19 PM |                                   |
| 6283 | OsmoHNBGW                       | Bug     | New      | Normal   | cnpool: hnbgw fails to extract Mobile Identity from some GMM Attach Request messages                              |          | 12/04/2023 01:48 AM |                                   |
| 1671 | OsmoNITB                        | Bug     | Stalled  | Low      | Combined 850/1800 NITB not seen by Option Icon2 stick   |          | 03/05/2018 07:35 PM |                                   |
| 5218 | gr-osmosdr                      | Bug     | New      | Normal   | compilation fails: "no matching function for call to fcd_source_c::connect"                                       |          | 09/05/2021 10:58 PM |                                   |
| 4581 | OsmocomBB                       | Support | New      | Normal   | compiler error assert.h no such file  |          | 06/05/2020 09:54 AM |                                   |
| 4359 | gr-osmosdr                      | Bug     | New      | Normal   | Compilling from Git Bramcj gr3.8 fails  |          | 01/12/2020 05:08 PM |                                   |
| 5370 | osmo-lab-rack                   | Feature | New      | Low      | component carrier USB hub   |          | 12/23/2021 06:30 PM |                                   |
| 5371 | osmo-lab-rack                   | Feature | New      | Low      | component carrier USB-UART  |          | 12/23/2021 06:31 PM |                                   |
| 4885 | libosmocore                     | Bug     | New      | Normal   | configure doesn't check for python3   |          | 12/02/2020 03:36 AM |                                   |
| 3822 | OsmoMGW                         | Bug     | New      | Low      | conn mode "sendonly" behaves identically to "sendrecv"  |          | 03/04/2019 09:34 PM |                                   |
| 4915 | osmo-e1d                        | Feature | New      | Low      | consider a one-thread-per-line architecture   |          | 07/29/2023 07:31 AM |                                   |
| 1576 | OsmoBTS                         | Feature | New      | Low      | consider using hLayer2 as a pointer storage   |          | 02/02/2017 04:11 PM | Related to #1755                  |
| 6402 | libosmocore                     | Feature | New      | Low      | consider using IORING_RECVSEND_POLL_FIRST for our socket-reads  |          | 03/14/2024 08:21 AM |                                   |
| 5368 | libosmo-netif                   | Bug     | Feedback | Low      | consider using SCTP_EVENT instead of SCTP_EVENTS  |          | 12/23/2021 09:09 AM | Related to #5368,Related to #5368 |
| 5462 | osmo-sip-connector              | Bug     | New      | Normal   | Contact Header Missing - Way Forward?   |          | 02/21/2022 05:51 AM |                                   |
| 5543 | Retronetworking                 | Feature | New      | Normal   | Contact manufacturers for leftover stock  |          | 06/27/2023 09:05 PM |                                   |
| 3931 | OsmoGSMTester                   | Support | New      | Normal   | Contact quectel to get info about modem updates (hopefully less crashes)  |          | 01/08/2020 10:56 PM | Related to #3931                  |
| 5750 | Cellular Network Infrastructure | Bug     | New      | Normal   | contrib/jenkins.sh: build with -Wunused-macros and -Wundef  |          | 11/08/2022 08:07 PM |                                   |
| 1903 | OsmoPCU                         | Feature | New      | Low      | convert c++ -> c  |          | 03/23/2020 10:48 PM |                                   |
| 6303 | OsmoPCU                         | Feature | New      | Low      | Convert pcuif to TLV to make backwards compatibility more feasible  |          | 02/15/2024 09:23 PM |                                   |
| 4336 | OsmoMSC                         | Feature | New      | Normal   | Convert vlr_lu_fsm.c to use osmo_tdef (and drop vlr_timer())  |          | 01/02/2020 05:32 PM | Related to #4337                  |
| 5446 | Cellular Network Infrastructure | Feature | New      | Normal   | correlate git version to ttcn3 tests  |          | 02/07/2022 09:40 PM | Related to #5446                  |
| 2824 | gr-osmosdr                      | Bug     | New      | High     | Corrupted double-linked for Raspbian Stretch when running osmocom_fft (and any other program using osmosdr.source |          | 06/03/2018 12:08 PM |                                   |

| #    | Project                                      | Tracker | Status  | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|--|---------|---------|----------|---|----------|---------------------|-----------------------------------|
| 4599 | OsmoSGSN                                     | Bug     | New     | Normal   | counter group sgsn:pdpctx already exists for index X, instead using Y         |          | 09/09/2020 10:05 AM | Related to #4604                  |
| 2814 | Z-Netz                                       | Feature | New     | Normal   | Create + Document classic CrossPoint setup on DOS (dosemu)                    |          | 01/01/2018 01:41 PM |                                   |
| 2813 | Z-Netz                                       | Feature | New     | Normal   | Create + Document OpenXP setup on Linux                                       |          | 01/01/2018 01:41 PM |                                   |
| 2808 | Z-Netz                                       | Bug     | New     | Normal   | Create + Document VM/emulation setup for running ZERBERUS                     |          | 01/01/2018 01:09 PM |                                   |
| 3658 | Cellular Modem Information                   | Feature | New     | Low      | Create a "osmocom-bb-host-latest" docker container                            |          | 12/01/2019 09:07 AM | Related to #3658                  |
| 2158 | OP25   | Feature | New     | High     | Create a shared library for decoding for WireShark and the decoder.           |          | 04/22/2017 04:16 PM |                                   |
| 2697 | osmo-qcdiag                                  | Feature | New     | Normal   | Create and add debian packages for osmo-qcdiag to osmocom debian repositories |          | 11/30/2017 06:03 PM |                                   |
| 2806 | UUCP and UseNet                              | Feature | New     | Low      | Create Dockerfile and/or ansible playbook for UseNet node                     |          | 01/01/2018 01:04 PM |                                   |
| 5746 | Retronetworking                              | Feature | New     | Low      | Create H.221 decoder  |          | 11/07/2022 10:55 PM |                                   |
| 2805 | FidoNet                                      | Bug     | New     | Low      | Create reproducible / semi-automatic way to create FidoNet node on Linux      |          | 07/18/2019 05:34 AM |                                   |
| 5484 | Open Source IMS Client                       | Feature | New     | Normal   | create setup for nested IPsec (doubango on top of StrongSWAN)                 |          | 03/07/2022 11:19 AM |                                   |
| 6167 | OsmoBTS                                      | Feature | New     | Low      | csd_v110: implement rate adaptation for TCH/F14.4                             |          | 09/01/2023 11:58 AM | Related to #6167,Related to #6346 |
| 5735 | osmo-e1d                                     | Bug     | New     | Normal   | ctl client disconnect doesn't re-set timeslot state                           |          | 05/23/2023 06:19 AM |                                   |
| 2688 | libosmocore                                  | Bug     | New     | Normal   | CTRL iface: make rate_ctr request parser more strict                          |          | 03/24/2021 12:37 PM | Related to #4443                  |
| 4443 | libosmocore                                  | Bug     | New     | Normal   | CTRL interface blocks wildcard in rate_ctr                                    |          | 03/08/2020 01:06 PM | Related to #4443,Related to #4443 |
| 4053 | libosmocore                                  | Feature | New     | Low      | CTRL: Add CTRL cmd introspection to print documentation                       |          | 01/08/2020 10:21 PM | Related to #4053,Related to #4443 |
| 6434 | E1/T1 Hardware Interface (including icE1usb) | Support | New     | Normal   | D-channel do not recover after underrun                                       |          | 04/27/2024 09:03 PM |                                   |
| 2804 | linmodem                                     | Feature | New     | Low      | DAHDI interface   |          | 01/01/2018 12:27 PM |                                   |
| 1627 | OsmocomBB                                    | Support | Stalled | Low      | DCS_8BIT and DCS_UCS2 encoding supprot  |          | 07/16/2018 06:53 PM |                                   |
| 4150 | OsmoMGW                                      | Feature | New     | Low      | dead code / If an MDCX omits SDP, all codec config might be cleared           |          | 08/13/2019 11:01 PM |                                   |
| 5128 | Core testing infrastructure                  | Feature | New     | Low      | dec_RlcmacDiCtrlBlock: Get rid of annoying warning about remaining padding    |          | 12/09/2021 09:14 PM |                                   |
| 4376 | Cellular Network Infrastructure              | Feature | New     | Normal   | Define distinct X timer numbers across all osmo programs                      |          | 01/23/2020 09:21 PM |                                   |
| 5762 | Core testing infrastructure                  | Feature | New     | Normal   | Develop TTCN-3 test suite for PGW   |          | 11/10/2022 06:38 PM |                                   |

| #    | Project                               | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                  |
|------|---------------------------------------|---------|-------------|----------|--|----------|---------------------|---------------------------------|
| 5761 | Core testing infrastructure           | Feature | New         | Normal   | Develop TTCN-3 test suite for SGW  |          | 11/09/2022 09:49 PM |                                 |
| 6129 | Miscellaneous Projects                | Bug     | New         | Normal   | Discourse: Setting a custom avatar via upload fails  |          | 08/02/2023 06:07 PM |                                 |
| 6281 | OCTOI - Osmocom Community TDM over IP | Bug     | New         | Normal   | divf yate: calls to wave playback or loopback never connect  |          | 12/04/2023 12:14 PM | Related to #6282                |
| 6433 | OsmoHNBGW                             | Bug     | New         | Normal   | DLGLOBAL ERROR counter group 'hnb' already exists for index 0, instead using index 1. This is a software bug that needs fixing. (rate_ctr.c:221) |          | 04/04/2024 11:11 PM |                                 |
| 4427 | rtl-sdr                               | Bug     | New         | Normal   | docker + rtl_sdr issue   |          | 02/29/2020 01:16 PM |                                 |
| 4415 | OsmoGGSN (former OpenGGSN)            | Feature | New         | Normal   | Document in OsmoGGSN User Manual the IPv6 allocation process over GTP  |          | 02/25/2020 03:05 PM |                                 |
| 5521 | osmo-e1d                              | Bug     | New         | Low      | don't attempt OCTOI connection of no TDM data from driver (icE1usb)  |          | 04/10/2022 05:28 PM |                                 |
| 1881 | OsmoSGSN                              | Bug     | In Progress | Normal   | don't send PDP CTX DEACT ACK to MS when destroying PDP ctx indepent from MS requests   |          | 01/08/2020 10:49 PM |                                 |
| 1547 | OsmoPCU                               | Feature | New         | Normal   | downlink power control on PDTCH  |          | 02/23/2016 03:04 PM |                                 |
| 4783 | libosmocore                           | Bug     | New         | Low      | doxygen: duplicate 'ports.h' warning   |          | 10/07/2020 01:29 PM |                                 |
| 1549 | OsmoPCU                               | Feature | New         | Normal   | DRX support for GPRS   |          | 02/04/2017 08:11 AM | Related to #1942                |
| 4551 | OsmoMGW                               | Feature | New         | Normal   | Dynamic/runtime allocation of new endpoints  |          | 05/14/2020 10:56 PM |                                 |
| 5545 | Retronetworking                       | Feature | New         | Low      | E1 support for dynamips  |          | 04/24/2022 09:56 AM |                                 |
| 1560 | OsmoPCU                               | Feature | New         | High     | EDGE benchmarking / performance optimization / tuning  |          | 01/08/2020 10:31 PM |                                 |
| 4457 | libosmo-sccp + libosmo-sigtran        | Bug     | New         | Normal   | editing the SCCP address book (global-title) on a running instance may crash the application   |          | 03/17/2020 11:17 PM |                                 |
| 5183 | OsmoHLR                               | Feature | New         | Low      | EIR functionality  |          | 06/16/2021 06:22 AM | Related to #5183                |
| 1716 | libosmocore                           | Feature | New         | Normal   | enhance unit test coverage   |          | 08/17/2016 03:57 PM | Related to #1987,Precedes #1717 |
| 1573 | OsmoBTS                               | Feature | New         | Low      | ENHANCED MEASUREMENT REPORT  |          | 07/19/2021 04:13 PM |                                 |
| 3751 | OsmoBTS                               | Support | New         | Normal   | Ensure BTS Tests.ttcn results of OC-2G resemble what we know/expect from osmo-bts-{sysmo,trx}  |          | 12/01/2019 10:52 AM |                                 |
| 1823 | OsmoPCU                               | Feature | Stalled     | Low      | Ericsson PCU TRAU frame encoding/decoding  |          | 09/04/2019 09:26 AM | Related to #5198                |
| 5586 | OsmoBSC                               | Feature | New         | Normal   | Ericsson RBS could recover Unlocked state without osmo-bsc restart   |          | 06/21/2022 10:23 PM | Related to #5983                |
| 5117 | OsmoSDR                               | Bug     | New         | Normal   | Error building gr-osmosdr with libhackrf   |          | 04/15/2021 07:56 AM |                                 |
| 3588 | rtl-sdr                               | Bug     | New         | Normal   | Error Values Inconsistent  |          | 09/25/2018 12:47 PM |                                 |
| 4908 | libosmocore                           | Bug     | New         | Normal   | Errors compiling with -std=c++14   |          | 03/01/2021 03:38 PM |                                 |
| 2943 | OsmoMSC                               | Bug     | New         | Normal   | Errors in MGCP do not propagate back to MNCC gsm_subscriber_conn state machine   |          | 09/04/2019 09:21 AM |                                 |



| #    | Project                               | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|---------------------------------------|---------|--------|----------|---|----------|---------------------|------------------|
| 3797 | rtl-sdr                               | Bug     | New    | Normal   | Exits with "Bus error"  |          | 02/12/2019 02:28 PM |                  |
| 3687 | OsmoMSC                               | Feature | New    | Normal   | Expand "show bsc" command   |          | 11/11/2018 09:50 PM |                  |
| 3779 | Cellular Network Infrastructure       | Feature | New    | Low      | explore providing a VM image with all of osmocom CNI and related tools installed  |          | 02/04/2019 09:52 AM |                  |
| 5520 | osmo-e1d                              | Feature | New    | Low      | exponential back-off on octoi client reconnect attempts                           |          | 07/29/2023 07:30 AM |                  |
| 4591 | libosmocore                           | Feature | New    | Normal   | Export FSM states and statistics with counters                                    |          | 03/24/2021 12:34 PM |                  |
| 4590 | libosmocore                           | Feature | New    | Normal   | Export talloc data as counters for better memory leakage monitoring in production |          | 09/12/2022 03:53 PM |                  |
| 3240 | gr-osmosdr                            | Bug     | New    | Normal   | Expose airspy gain setting in gr-osmosdr block                                    |          | 06/03/2018 12:08 PM |                  |
| 1590 | Cellular Network Infrastructure       | Feature | New    | Low      | Extension of Control Interface / external SNMP agent                              |          | 07/18/2019 05:22 AM |                  |
| 4317 | osmo-pcap                             | Bug     | New    | Low      | external tests not enabled in jenkins.sh  |          | 12/10/2019 02:42 PM |                  |
| 3653 | OsmocomBB                             | Bug     | New    | Normal   | FACCH/H sometimes not received by BTS with osmocomBB+motorolaCXX                  |          | 10/22/2018 02:37 PM | Related to #5518 |
| 4813 | OsmoPCU                               | Feature | New    | Low      | FANR (Fast ACK/NACK Reporting) support  |          | 10/16/2020 08:46 AM |                  |
| 4574 | OsmoHNBGW                             | Feature | New    | Low      | Femtocell choice in 2020/06   |          | 03/09/2024 07:09 PM |                  |
| 4933 | OsmoHNBGW                             | Bug     | New    | Low      | Femtocell choice in U.K 2021/01   |          | 03/09/2024 07:09 PM |                  |
| 6239 | libosmo-sccp + libosmo-sigtran        | Feature | New    | Normal   | finally deprecate libosmo-sccp (headers, static lib)                              |          | 10/31/2023 07:31 PM |                  |
| 2169 | OP25                                  | Bug     | New    | High     | First-cut of trunking support   |          | 04/22/2017 04:15 PM |                  |
| 2157 | OP25                                  | Feature | New    | High     | Fix "traffic" tab so it displays data for non-HDU data units                      |          | 04/22/2017 04:16 PM |                  |
| 2162 | OP25                                  | Bug     | New    | High     | Fix bit-ordering in output for VC55.  |          | 04/22/2017 04:15 PM |                  |
| 3442 | OsmoMGW                               | Bug     | New    | Normal   | fix int mgcp_codec_decide() in mgcp_codec.c                                       |          | 09/04/2019 09:26 AM |                  |
| 3694 | Cellular Network Infrastructure       | Bug     | New    | Low      | Fix lintian warnings in .deb packages   |          | 07/18/2019 05:20 AM | Related to #3699 |
| 4847 | OsmoPCU                               | Bug     | New    | Normal   | fix LLC-DISCARD behaviour   |          | 11/04/2020 02:37 AM | Related to #4847 |
| 1925 | OsmoPCU                               | Bug     | New    | High     | Fix padding for MCS8 transition   |          | 01/08/2020 10:31 PM |                  |
| 1829 | OsmoNITB                              | Bug     | New    | Normal   | Fix warnings introduced by ctrl constify  |          | 03/05/2018 07:34 PM |                  |
| 4677 | SDR (Software Defined Radio)          | Bug     | New    | Normal   | fopher crash on OSX with Qt   |          | 07/27/2020 03:27 AM |                  |
| 4432 | OsmoMGW                               | Bug     | New    | Normal   | for 'domain *', mgw should echo the domain of the MGCP client                     |          | 03/04/2020 12:39 AM |                  |
| 5433 | OCTOI - Osmocom Community TDM over IP | Bug     | New    | Normal   | forwarding of TS0 / Alarms  |          | 01/30/2022 11:02 AM |                  |
| 3142 | Cellular Network Infrastructure       | Feature | New    | Low      | Further simplification of "NITB like" setups                                      |          | 04/05/2018 08:09 PM |                  |

| #    | Project                         | Tracker | Status   | Priority | Subject   | Assignee | Updated             | Related issues  |
|------|---------------------------------|---------|----------|----------|---|----------|---------------------|---|
| 1942 | OsmoSGSN                        | Bug     | Feedback | Normal   | Gb: implement paging in case of MM state == STANDBY && rx DL PDU            |          | 01/08/2020 10:48 PM | Related to #1942,Related to #4222                                   |
| 4746 | libosmocore                     | Bug     | New      | Normal   | gb: NS2: implement a NSE based logfilter                                    |          | 11/14/2020 08:42 AM |   |
| 4893 | osmo-gbproxy                    | Feature | New      | Low      | gbproxy2: Make feature bitmap configurable                                  |          | 12/08/2020 07:55 AM | Related to #4893  |
| 5764 | Cellular Network Infrastructure | Bug     | New      | Normal   | GCC does not check format strings in LOGPFSM macros                         |          | 11/11/2022 06:30 AM |   |
| 1987 | libosmocore                     | Feature | New      | Normal   | gcov code coverage test support   |          | 12/01/2019 01:42 PM | Related to #1987,Is duplicate of #1987                              |
| 1596 | Cellular Network Infrastructure | Feature | New      | Low      | Generation of accounting/billing data                                       |          | 12/10/2017 08:03 PM |   |
| 5819 | Cellular Network Infrastructure | Bug     | New      | Low      | Gerrit/gitiles: Parent links don't work                                     |          | 12/08/2022 01:28 PM |   |
| 1904 | OsmoNITB                        | Bug     | New      | Normal   | get rid of deprecated functions   |          | 03/05/2018 07:33 PM |   |
| 5487 | OsmoSGSN                        | Feature | New      | Low      | get rid of osmo-juh.git's iu_client API and absorb into OsmoSGSN            |          | 03/10/2022 06:05 PM |   |
| 4647 | OsmoBSC                         | Bug     | New      | Low      | Getting attributes from BTS0 type nokia_site is not supported.              |          | 07/04/2020 09:05 AM |   |
| 3604 | OsmoSTP                         | Feature | New      | Normal   | Global Title Routing  |          | 07/18/2019 05:15 AM |   |
| 3605 | OsmoSTP                         | Feature | New      | Normal   | Global Title Translation  |          | 07/18/2019 05:15 AM |   |
| 1585 | OsmoSGSN                        | Feature | New      | Low      | Gn interface for inter-SGSN MM Context transfer                             |          | 09/22/2023 02:42 PM | Related to #5759,Related to #6294,Is duplicate of #1585             |
| 2621 | OsmoGSMTester                   | Bug     | New      | Normal   | Gobi2000: might stopped working because all CID got assigned                |          | 01/08/2020 10:40 PM |   |
| 3284 | OsmoPCU                         | Bug     | New      | Normal   | GPRS cell re-selection appears sticky in packet transfer / packet idle mode |          | 01/08/2020 10:45 PM | Related to #2400,Related to #3284                                   |
| 5505 | OsmocomBB                       | Feature | New      | Normal   | GPRS mobility (cell change) support   |          | 07/01/2022 06:24 AM | Related to #5505  |
| 4580 | SDR (Software Defined Radio)    | Feature | New      | Normal   | gr-osmosdr compilation under GnuRadio 3.9.0                                 |          | 06/04/2020 01:13 AM |   |
| 4950 | gr-osmosdr                      | Bug     | New      | Normal   | gr-osmosdr doesn't find iqbalance during build                              |          | 02/22/2021 02:46 AM |   |
| 1599 | OsmoMSC                         | Feature | New      | Normal   | Gs interface (BSSMAP+) between SGSN and MSC/VLR                             |          | 06/13/2020 05:52 PM | Related to #1583,Related to #1747,Related to #1599,Related to #4485 |
| 1583 | OsmoSGSN                        | Feature | New      | Normal   | Gs interface (BSSMAP+) between SGSN and MSC/VLR                             |          | 06/13/2020 05:52 PM | Related to #1583,Related to #1583,Related to #4485                  |
| 4660 | OsmoMSC                         | Bug     | New      | Normal   | GSM AUTH failure: mismatching sres - with module TRM-5 ext                  |          | 07/12/2020 08:01 PM |   |

| #    | Project                         | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues                                     |
|------|---------------------------------|---------|-------------|----------|---|----------|---------------------|--|
| 3693 | libosmocore                     | Bug     | In Progress | Low      | gsm_04_08.h: numerous packed structs with sub-byte ints lack the order-swap shims for big endian  |          | 11/19/2018 02:05 PM |  |
| 5504 | OsmocomBB                       | Feature | New         | Normal   | GSM/GPRS coordination (RR/GRR)  |          | 05/23/2023 12:31 PM | Related to #5504                                   |
| 2705 | OsmocomBB                       | Bug     | New         | Normal   | GSM48_MMR_NREG_REQ followed by GSM48_MMR_REG_REQ don't attach to the network  |          | 12/03/2017 09:50 PM |  |
| 6445 | libosmocore                     | Feature | New         | Normal   | GSMTAP version 3  |          | 05/04/2024 02:13 PM |  |
| 4333 | Cellular Network Infrastructure | Support | Feedback    | Normal   | GSUP binary compatibility: add GSUP protocol version IE?  |          | 12/16/2019 01:56 PM | Related to #4333,Related to #4333,Related to #4333 |
| 2883 | OsmoMSC                         | Bug     | New         | Normal   | GSUP encoding of MSISDN is wrong  |          | 10/20/2020 08:41 AM | Related to #4324,Related to #4333                  |
| 4312 | OsmoHLR                         | Bug     | New         | High     | GSUP keepalives / connection loss detection   |          | 10/12/2020 02:42 PM |  |
| 3880 | OsmoMSC                         | Bug     | New         | Normal   | GSUP MT-ForwardSM Message Reference - wrong value in a response   |          | 04/01/2019 07:47 AM |  |
| 4306 | Distributed GSM                 | Feature | Stalled     | Low      | GSUP proxy cache: store data persistently   |          | 05/20/2020 09:18 PM | Precedes #4306                                     |
| 4305 | Distributed GSM                 | Feature | Stalled     | Low      | GSUP proxy: cache auth tuples to re-use / fall back to simpler auth methods   |          | 04/28/2020 02:37 PM | Precedes #4306                                     |
| 1667 | OsmoNITB                        | Feature | New         | Normal   | Handle callref better   |          | 09/04/2019 09:31 AM | Related to #3294                                   |
| 5930 | OsmoPCU                         | Feature | New         | Low      | handle multiple BTSs with one PCU   |          | 03/03/2023 10:47 AM |  |
| 4858 | OsmoBSC                         | Bug     | New         | Normal   | handover CHANnel ACTIVation: BSC sends timing advance for lchan activation in a different cell  |          | 11/10/2020 05:41 PM |  |
| 3638 | OsmoBSC                         | Feature | New         | Low      | handover decision 2: load balancing across BSS  |          | 10/16/2018 01:16 PM | Related to #3638,Related to #3638,Related to #3638 |
| 3486 | OsmoBSC                         | Feature | New         | Low      | handover decision: congestion: figure out the tradeoff: re-assign within same cell vs. handover to another cell                           |          | 10/16/2018 01:16 PM | Related to #3486,Related to #3638                  |
| 3482 | OsmoBSC                         | Feature | New         | Low      | handover decision: if a new call causes congestion that would trigger immedate re-assignment, assigning the other TCH kind from the start |          | 10/16/2018 01:15 PM | Related to #3482                                   |
| 3484 | OsmoBSC                         | Feature | New         | Low      | handover decision: if rxlev is ok but rxqual is bad, move to different timeslot with same TCH kind to avoid interference                  |          | 10/16/2018 01:30 PM |  |
| 3480 | OsmoBSC                         | Feature | New         | Normal   | handover from TCH/F to TCH/H to reduce load   |          | 06/08/2020 07:08 PM | Related to #3480,Related to #3481                  |
| 3481 | OsmoBSC                         | Feature | New         | Normal   | handover from TCH/H to TCH/F to reduce load   |          | 06/08/2020 07:08 PM | Related to #3481,Related to #3481                  |

| #    | Project  | Tracker | Status      | Priority  | Subject   | Assignee | Updated             | Related issues                    |
|------|--|---------|-------------|-----------|---|----------|---------------------|-----------------------------------|
| 3485 | OsmoBSC  | Feature | New         | Low       | handover to make room for a less capable subscriber   |          | 10/16/2018 01:16 PM | Related to #3485                  |
| 4900 | OsmoGSMTester  | Feature | New         | Low       | hardware and wiring verification / selftest   |          | 12/08/2020 11:03 AM |                                   |
| 6315 | pySim  | Feature | New         | Low       | have test data for all supported files  |          | 12/23/2023 09:36 AM |                                   |
| 6447 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Feature | New         | Normal    | have more time slots without a takl   |          | 05/07/2024 11:48 AM |                                   |
| 4488 | OsmoPCU  | Feature | New         | Normal    | have uplink/downlink tests for all CS/MCS   |          | 11/25/2020 07:28 PM | Related to #4488,Related to #4510 |
| 2172 | OP25   | Bug     | New         | High      | HDU often missing in captures   |          | 04/22/2017 04:14 PM |                                   |
| 1515 | UmTRX  | Feature | New         | Normal    | Heat dissipation and mounting issue   |          | 02/19/2016 10:52 PM |                                   |
| 1872 | libosmocore  | Feature | New         | Low       | high-performance remote logging   |          | 03/24/2021 12:36 PM |                                   |
| 5867 | OsmoHNBGW  | Feature | New         | Normal    | HNBGW_Tests.ttcn should do HNBAP UE Register and De-Register tests                                  |          | 01/21/2023 02:30 AM |                                   |
| 5050 | OsmoTRX  | Bug     | New         | Normal    | How can I solve limesdr mini clock problem with osmocom ?   |          | 02/27/2021 01:55 PM |                                   |
| 2650 | OsmoMGW  | Bug     | New         | Normal    | how can osmo-mgw send a dummy RTP packet before CRCX ACK?   |          | 06/08/2020 07:08 PM | Related to #4005                  |
| 4737 | Distributed GSM  | Support | New         | Low       | How to configure Queries gsup.hlr.123456789.imsi, sip.voice.123.msisdn, smpp.sms.123.msisdn         |          | 08/31/2020 11:10 AM |                                   |
| 6224 | Retronetworking  | Feature | Feedback    | Normal    | how to document the rescued EWSD  |          | 10/18/2023 04:51 PM |                                   |
| 5683 | Osmocom Libraries                                      | Bug     | New         | Immediate | How to install osmocom in China   |          | 09/18/2022 10:18 AM |                                   |
| 4135 | Qualcomm Linux Modems by Quectel & Co                  | Support | New         | Normal    | how to use network inside ec20  |          | 07/31/2019 11:20 AM |                                   |
| 4882 | OsmoHNBGW  | Feature | New         | Low       | HSPA+ Picocell available in U.S   |          | 03/09/2024 07:08 PM |                                   |
| 5511 | Retronetworking  | Feature | New         | Low       | Idea: DAHDI backend for mISDN   |          | 09/18/2022 03:59 PM |                                   |
| 5512 | Retronetworking  | Bug     | New         | Low       | Idea: L1OIP driver for DAHDI  |          | 04/03/2022 11:46 AM |                                   |
| 6258 | OsmoMSC  | Feature | In Progress | Normal    | if MT call leg does not support the assigned codec, re-assign to a compatible codec                 |          | 01/12/2024 06:26 AM | Related to #6328                  |
| 6255 | OsmoDia2GSUP   | Bug     | New         | Normal    | Implement 3GPP Purge UE Request   |          | 11/10/2023 01:29 PM |                                   |
| 4019 | OsmoPCU  | Bug     | New         | Normal    | implement a command to show all informations from the bts   |          | 11/25/2020 07:33 PM |                                   |
| 2918 | OsmoBSC  | Feature | New         | Low       | Implement a function to properly test connection clearing in MSC_ConnectionHandler.ttcn (BSC-Tests) |          | 01/08/2020 10:21 PM |                                   |
| 4277 | Cellular Network Infrastructure                        | Feature | New         | Low       | implement an SMSC to work with OsmoMSC  |          | 11/22/2019 02:45 PM |                                   |
| 5648 | libosmo-pfcp   | Feature | New         | Normal    | implement common PFCP CPF client VTY config   |          | 08/17/2022 03:29 PM | Related to #5648                  |
| 3763 | osmo-sip-connector                                     | Bug     | New         | Normal    | Implement correct handling for call answered elsewhere  |          | 01/22/2019 01:03 PM |                                   |

| #    | Project                        | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|--------------------------------|---------|--------|----------|---|----------|---------------------|-----------------------------------|
| 2167 | OP25                           | Feature | New    | High     | Implement Encryption/Decryption P25 blocks  |          | 04/22/2017 04:15 PM |                                   |
| 2156 | OP25                           | Feature | New    | High     | Implement forward error correction for HDU.   |          | 04/22/2017 04:16 PM |                                   |
| 2168 | OP25                           | Bug     | New    | High     | Implement Forward error correction for LDU1/2   |          | 04/22/2017 04:15 PM |                                   |
| 2170 | OP25                           | Bug     | New    | High     | Implement forward error-correction code, remove IT++ dependency                       |          | 04/22/2017 04:14 PM |                                   |
| 2008 | libosmo-sccp + libosmo-sigtran | Feature | New    | Low      | Implement Global Title Translation  |          | 04/10/2017 12:05 PM |                                   |
| 2007 | libosmo-sccp + libosmo-sigtran | Feature | New    | Low      | Implement GT based routing  |          | 04/10/2017 12:04 PM |                                   |
| 2006 | libosmo-sccp + libosmo-sigtran | Feature | New    | Low      | Implement M2PA support  |          | 02/10/2024 01:17 PM | Related to #3603                  |
| 2003 | libosmo-sccp + libosmo-sigtran | Feature | New    | Low      | Implement M2UA support  |          | 04/10/2017 12:01 PM |                                   |
| 5838 | OsmoGSMTester                  | Feature | New    | Normal   | Implement power switching for all BTSs  |          | 12/20/2022 05:30 PM |                                   |
| 4222 | OsmoSGSN                       | Bug     | New    | High     | Implement PS Paging for the Routing Areas   |          | 10/03/2020 02:20 PM | Related to #4222                  |
| 1586 | OsmoSGSN                       | Feature | New    | Normal   | Implement QoS profile support   |          | 02/23/2016 03:45 PM |                                   |
| 2712 | libosmocore                    | Feature | New    | Low      | implement reproducible talloc context printout, i.e. without memory addresses         |          | 01/08/2020 10:21 PM | Related to #2781                  |
| 4980 | OsmoMSC                        | Feature | New    | Low      | Implement routing of BSSMAP LOAD INDICATION in OsmoMSC                                |          | 01/27/2021 02:43 PM | Related to #4980,Related to #4980 |
| 2009 | libosmo-sccp + libosmo-sigtran | Feature | New    | Low      | Implement SCCP connection coupling ("proxy")  |          | 04/10/2017 12:09 PM |                                   |
| 4860 | libosmo-abis                   | Feature | New    | Low      | Implement separation of line/TEI/datalinks in E1 pcap                                 |          | 11/04/2021 06:31 PM |                                   |
| 6036 | OsmoBTS                        | Feature | New    | Normal   | Implement ternary SID classification for HR1 uplink                                   |          | 05/17/2023 09:48 PM | Related to #6036,Related to #6036 |
| 2580 | OsmoMGW                        | Feature | New    | Low      | implement timeout/resend mechanism for mgcp_client                                    |          | 09/04/2019 09:26 AM |                                   |
| 5780 | OsmoMSC                        | Feature | New    | Normal   | Implement/Support UUS1  |          | 01/24/2023 10:48 AM |                                   |
| 5235 | pySim                          | Feature | New    | Low      | import / export as eUICC profile package ASN.1  |          | 06/09/2023 04:55 PM |                                   |
| 5352 | gr-osmosdr                     | Bug     | New    | Normal   | ImportError: generic_type: type "sink" referenced unknown base type "gr::hier_block2" |          | 12/11/2021 08:19 AM |                                   |
| 1997 | OsmoHNBGW                      | Feature | New    | Normal   | Improve error check at compilation time   |          | 10/21/2021 04:28 PM |                                   |
| 1478 | Mobile (in)Security            | Bug     | New    | High     | IMSI DETACH DoS   |          | 09/02/2019 09:00 AM |                                   |
| 2266 | OsmoGSMTester                  | Feature | New    | Normal   | in the gsm tester, use ipa.py from openbsc instead of the current CTRL implementation |          | 10/16/2017 12:36 PM |                                   |
| 6316 | pySim                          | Feature | New    | Normal   | include test data in user manual  |          | 12/23/2023 03:10 PM |                                   |
| 1751 | OsmoBTS                        | Bug     | New    | Low      | incompatibility between LCR and DTX   |          | 06/14/2016 04:39 PM |                                   |

| #    | Project  | Tracker | Status  | Priority | Subject   | Assignee | Updated             | Related issues                                   |
|------|--|---------|---------|----------|---|----------|---------------------|--|
| 5047 | OsmoSDR  | Feature | New     | Normal   | Inconsistencies between SDR's in bias-tee parameter   |          | 12/19/2021 01:17 PM |  |
| 5380 | osmo-ccid-firmware                             | Bug     | New     | Normal   | Incorrect answer to PC_to_RDR_SetParameters CCID command                                      |          | 01/16/2022 08:55 PM |  |
| 6330 | OsmoMSC  | Bug     | New     | Normal   | Incorrect handling of V.120 data calls  |          | 01/18/2024 03:02 PM | Related to #6344                                 |
| 3652 | OsmocomBB                                      | Bug     | New     | Normal   | Incorrect IMEISV setting in mobile application  |          | 10/12/2018 08:20 PM |  |
| 1897 | OsmocomTETRA                                   | Bug     | New     | Low      | Inefficient sequence search in tetra_find_train_seq   |          | 04/10/2017 01:04 AM |  |
| 5731 | gr-osmosdr                                     | Bug     | New     | High     | Install gr-osmosdr on Ubuntu 20.04  |          | 10/27/2022 01:39 PM |  |
| 6323 | OP25   | Bug     | New     | Normal   | Install script is broken on Ubuntu 23.10  |          | 01/05/2024 07:54 PM |  |
| 3992 | OsmoMSC  | Bug     | New     | Normal   | inter-MSC handover for signalling-only?   |          | 05/09/2019 11:39 AM |  |
| 1588 | OsmoSGSN                                       | Feature | New     | Normal   | Inter-RAT hand-over   |          | 02/23/2016 03:46 PM |  |
| 1603 | OsmoMSC  | Feature | New     | Low      | Interfacing the MSC with other networks: Roaming interfaces / MAP                             |          | 07/18/2019 06:13 AM |  |
| 3696 | OsmoSGSN                                       | Bug     | New     | Normal   | Intermittent Connection Drop  |          | 01/08/2020 10:48 PM |  |
| 2800 | linmodem                                       | Feature | New     | Normal   | Interop testing with real modems  |          | 01/01/2018 12:16 PM |  |
| 3987 | libosmocore                                    | Feature | New     | Low      | introduce libosmocore_init() to replace individual initialization calls                       |          | 05/08/2019 03:03 PM | Related to #3987                                 |
| 1955 | OsmoNITB                                       | Bug     | New     | Normal   | Investigate "Bad signalling message" error  |          | 03/05/2018 07:33 PM |  |
| 5013 | Cellular Network Infrastructure                | Feature | New     | Low      | investigate "vtysh" for Osmocom   |          | 02/06/2021 02:14 PM | Related to #5013                                 |
| 3649 | OsmoHLR  | Feature | New     | Low      | Investigate LMDB as HLR data storage  |          | 10/12/2018 11:35 AM | Related to #3649                                 |
| 3564 | OsmoGSMTester                                  | Feature | New     | Normal   | Investigate ofono and modems Cell Broadcast support   |          | 01/08/2020 10:42 PM | Related to #3564                                 |
| 4018 | OsmoPCU  | Bug     | New     | Normal   | investigate ordering of includes paths  |          | 05/23/2019 10:59 AM |  |
| 6354 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New     | Low      | investigate UE behavior in terms of respecting ePDG configuration on USIM/ISIM                |          | 02/07/2024 04:10 PM |  |
| 5756 | libosmo-abis                                   | Bug     | New     | Normal   | io_uring support in libosmo-abis  |          | 03/20/2024 03:58 PM | Related to #5756, Related to #6357, Blocks #5896 |
| 4552 | OsmoMGW  | Bug     | New     | Normal   | ip-probing issue with BTS connection - no rebinding to a correct IP address                   |          | 05/14/2020 11:18 PM |  |
| 5842 | OsmoBSC  | Bug     | New     | Normal   | ipa: investigate NSVC local and remote port configuration difference with wireshark dissector |          | 12/22/2022 07:18 PM |  |
| 34   | OsmoBSC  | Bug     | New     | Normal   | ipaccess init code needs proper state machines  |          | 12/10/2017 08:16 PM | Related to #34                                   |
| 68   | OsmoBSC  | Bug     | New     | Low      | ipaccess-config should work with -u ID -o IP -r BTS_IP  |          | 12/10/2017 07:52 PM |  |
| 1725 | OsmoNITB                                       | Bug     | Stalled | Low      | iPhone6 network selection issue with GSM1900  |          | 03/05/2018 07:35 PM |  |
| 2494 | OsmoGGSN (former OpenGGSN)                     | Feature | New     | Low      | IPv6 support on the outer (transport) layer   |          | 02/06/2021 12:09 PM |  |
| 1919 | pySim  | Bug     | New     | Low      | issue with grcardsim from Greencard (grcard.cn)   |          | 08/17/2017 06:45 AM |  |

| #    | Project       | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues                                     |
|------|---------------|---------|-------------|----------|---|----------|---------------------|--|
| 3936 | OsmoSGSN      | Bug     | New         | Normal   | lu: first GMM Service Request does not find a MM ctx                                      |          | 05/07/2019 01:37 PM | Related to #3936                                   |
| 4634 | OsmoMSC       | Feature | New         | Low      | lu: record SAC, and show RNC ID and SAC in the vty upon 'show subscriber'                 |          | 06/24/2020 06:08 PM |  |
| 3923 | OsmoSGSN      | Bug     | New         | Normal   | lu: Respond to SecurityCommandReject messages   |          | 04/24/2019 08:26 AM | Related to #3923                                   |
| 3937 | OsmoSGSN      | Bug     | In Progress | Normal   | lu: verify handling of GMM Service Request (data)when no PDP Context present.             |          | 05/21/2019 10:28 AM | Related to #3937                                   |
| 6285 | OsmoHNBGW     | Feature | New         | Low      | IUFP needs not CRCX in loopback mode  |          | 12/04/2023 03:58 AM |  |
| 1818 | OsmoSGSN      | Bug     | New         | Normal   | luPS: CN should lu Release in certain situations  |          | 01/08/2020 10:47 PM | Related to #1818,Related to #3302,Related to #3908 |
| 5394 | OsmocomDECT   | Bug     | New         | High     | Kernel Oops when loading com_on_air_cs (unable to handle kernel NULL pointer dereference) |          | 01/09/2022 12:54 PM |  |
| 3590 | rtl-sdr       | Bug     | New         | Normal   | Key Functions Missing Documentation   |          | 09/25/2018 01:04 PM |  |
| 1674 | OsmoBTS       | Bug     | New         | Low      | Kill duplication between l1_if.c and sysmbots_ctrl.c                                      |          | 07/18/2019 06:08 AM |  |
| 73   | OsmoBSC       | Bug     | New         | Low      | Kill the paging_init_if_needed method in paging.c   |          | 12/10/2017 07:53 PM |  |
| 1766 | OsmoPCU       | Bug     | In Progress | High     | KPIs for OsmoPCU: EGPRS   |          | 01/22/2020 02:06 PM | Related to #1766,Related to #1766                  |
| 1655 | OsmoSGSN      | Feature | Stalled     | Normal   | KPIs for OsmoSGSN   |          | 01/08/2020 10:49 PM | Related to #1652,Related to #1655,Related to #1655 |
| 4474 | OsmoBTS       | Bug     | In Progress | Low      | l1fwd (-remote) tried to read eeprom locally  |          | 11/04/2021 06:35 PM |  |
| 5895 | OsmoBTS       | Bug     | New         | Low      | LC15: Audio Quality Problem sometime after cf7a7fceb625a14fd764355c3b96fa86c77458c        |          | 03/20/2023 11:37 PM |  |
| 2196 | OsmoGSMTester | Feature | New         | Low      | libmsc ctrl interface: add CTRL command to query a single subscriber's attached state     |          | 05/15/2017 12:58 PM |  |
| 2717 | libosmo-abis  | Bug     | New         | Low      | libosmo-abis doesn't use ipa_ccm_make_id_resp()   |          | 12/06/2017 05:47 PM |  |
| 5356 | libosmo-abis  | Bug     | New         | Normal   | libosmo-abis: osmo_rtp_socket_connect() not calling connect() on sockets                  |          | 12/13/2021 12:50 PM |  |
| 2702 | OsmoMGW       | Feature | New         | Low      | libosmo-mgcp doesn't use osmo_sock_API  |          | 12/03/2017 09:42 AM |  |
| 5313 | OsmoMGW       | Bug     | New         | Normal   | libosmo-mgcp-client-dbg specific package not generated for debian                         |          | 11/16/2021 03:57 PM |  |
| 6374 | libosmocore   | Bug     | New         | Normal   | libosmocore --disable-libsctp not tested by jenkins                                       |          | 02/23/2024 03:47 PM |  |
| 5864 | libosmocore   | Bug     | New         | Normal   | Libosmocore: Fix order of config parsing output   |          | 02/04/2023 05:21 PM |  |
| 6360 | libosmocore   | Bug     | New         | Normal   | libosmovty fails to parse commands like "test (foo bar) [(one two three)]"                |          | 02/14/2024 09:25 PM |  |
| 3970 | OsmoTRX       | Bug     | New         | Low      | libusrp fails to compile 1/4 of times in jenkins with PARALLEL_MAKE set                   |          | 01/08/2020 10:56 PM | Is duplicate of #3970                              |

| #    | Project                         | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|---------------------------------|---------|-------------|----------|--|----------|---------------------|-----------------------------------|
| 5167 | Osmocom Analog                  | Feature | New         | Low      | LimeNet Micro  |          | 04/02/2023 08:57 AM |                                   |
| 4637 | OsmoTRX                         | Bug     | New         | Normal   | limesdr usb gain setting changes break gsm phasenoise constraints  |          | 06/29/2020 04:43 PM |                                   |
| 1543 | OsmoPCU                         | Feature | New         | Normal   | link/rate adaption as per spec   |          | 01/08/2020 10:43 PM | Related to #1543,Related to #1543 |
| 5489 | linmodem                        | Feature | New         | Low      | linmodem mISDN integration   |          | 03/13/2022 09:35 PM |                                   |
| 5509 | OsmoSGSN                        | Bug     | New         | Normal   | llc/pdu lifetime: add vty config option to define default lifetime   |          | 03/31/2022 04:11 PM |                                   |
| 5338 | OsmoBTS                         | Bug     | New         | Normal   | LMSDevice.cpp:261 Power parameters requested before Tx Frequency was set! Providing band 900 by default... |          | 12/09/2021 11:42 PM |                                   |
| 5829 | libosmocore                     | Feature | New         | Low      | log fallback for log_check_level(), log_parse_category()   |          | 12/13/2022 10:44 PM |                                   |
| 3642 | OsmoBSC                         | Bug     | New         | Low      | logging filter imsi leaks bsc_subscr references  |          | 10/09/2018 10:04 PM |                                   |
| 39   | OsmoBSC                         | Feature | New         | Low      | Logging filter on bts/trx or such  |          | 06/08/2020 07:07 PM |                                   |
| 2288 | OsmoGSMTester                   | Feature | New         | Low      | logging: print in a short way which resource is being reserved and used                                    |          | 05/23/2017 02:25 PM |                                   |
| 3603 | OsmoSTP                         | Feature | New         | Low      | M2PA support   |          | 10/03/2018 08:58 AM | Related to #3603                  |
| 3602 | OsmoSTP                         | Feature | New         | Low      | M2UA support   |          | 09/30/2018 08:00 AM |                                   |
| 6241 | libosmo-sccp + libosmo-sigtran  | Feature | New         | Low      | M3UA "Network Appearance" support  |          | 10/31/2023 03:00 PM | Related to #6241                  |
| 1858 | OsmoBSC                         | Feature | New         | Normal   | make BSC also generate ALERTs  |          | 12/10/2017 07:59 PM |                                   |
| 1613 | OsmoBSC                         | Feature | New         | Low      | make BTS/TRX configuration changes without having to drop BTS OML link                                     |          | 12/10/2017 08:06 PM |                                   |
| 3755 | OsmoMSC                         | Feature | New         | Low      | make retrieval of IMEISV configurable  |          | 05/07/2019 12:28 PM | Related to #3755                  |
| 2677 | libosmocore                     | Support | New         | Normal   | Make stat_item available over ctrl interface   |          | 09/04/2019 09:21 AM | Related to #2676                  |
| 4764 | OsmoMSC                         | Bug     | New         | Normal   | make sure Assignment times out, always   |          | 09/23/2020 02:08 PM |                                   |
| 5900 | OsmoUPF                         | Feature | In Progress | Normal   | make sure chain ids used in the tunmap nft ruleset are unused  |          | 02/09/2023 05:34 PM |                                   |
| 4452 | OsmoPCU                         | Bug     | Stalled     | Normal   | manual testing of osmo-pcu   |          | 07/28/2023 02:48 PM |                                   |
| 4972 | OsmoMSC                         | Bug     | New         | Normal   | manual: the MNCC protocol is outdated (RTP)  |          | 01/24/2021 05:58 PM |                                   |
| 3345 | OsmoTRX                         | Feature | New         | Low      | merge ms branch  |          | 06/13/2018 07:16 PM |                                   |
| 3344 | OsmoTRX                         | Feature | New         | Normal   | merge tsou/siggen  |          | 06/13/2018 07:26 PM |                                   |
| 3594 | gr-osmosdr                      | Feature | New         | Normal   | Message Commands   |          | 09/25/2018 03:59 PM |                                   |
| 5349 | OsmoSGSN                        | Bug     | In Progress | High     | Message for non-existing SNDCP Entity  |          | 07/17/2023 04:42 PM |                                   |
| 5722 | Cellular Network Infrastructure | Feature | New         | Low      | Migrate jenkins build slaves from docker to podman   |          | 10/21/2022 08:29 PM | Related to #5722                  |
| 4638 | Altair LTE Modems               | Feature | New         | Normal   | Mikrotik R11e-4G mtd dump  |          | 06/13/2021 10:15 AM |                                   |
| 4023 | OsmoBTS                         | Bug     | Stalled     | Normal   | Missing coverage of PCU interface in osmo-bts  |          | 03/21/2023 01:07 PM | Related to #4023                  |



| #    | Project                               | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|---------------------------------------|---------|-------------|----------|---|----------|---------------------|-----------------------------------|
| 1640 | OsmoPCU                               | Bug     | Feedback    | Low      | Missing release field/length in MS RA capability container                                |          | 10/20/2020 09:19 AM |                                   |
| 2962 | OsmoSGSN                              | Bug     | New         | Normal   | Missing TTCN-3 test cases   |          | 01/08/2020 10:47 PM |                                   |
| 4304 | libosmocore                           | Bug     | New         | Low      | missing unit tests for many gsm48_{encode,decode} functions                               |          | 12/04/2019 01:50 PM |                                   |
| 2832 | OsmoMSC                               | Feature | New         | Low      | MNCC doesn't include field for "supported codecs"   |          | 01/16/2018 07:00 AM | Related to #2832,Related to #1683 |
| 5699 | OsmoMSC                               | Bug     | New         | Normal   | MNCC_RTP_CREATE is not sent in a call waiting scenario                                    |          | 10/10/2022 06:46 PM |                                   |
| 3629 | OsmocomBB                             | Bug     | New         | Normal   | mobile aborting after 'test re-selection 1' on vty  |          | 10/04/2018 02:58 PM |                                   |
| 5815 | OsmocomBB                             | Feature | New         | Low      | mobile: compose Bearer Capability IE depending on PHY capabilities and GAPK codec support |          | 12/06/2022 07:38 PM | Related to #5815,Related to #5815 |
| 5812 | OsmocomBB                             | Feature | New         | Low      | mobile: missing AMR support   |          | 12/06/2022 03:07 PM | Related to #5812                  |
| 6346 | OsmocomBB                             | Feature | New         | Normal   | mobile: support data calls @ 14400 bps (TCH/F14.4)  |          | 01/26/2024 10:03 PM | Related to #6346,Related to #6346 |
| 6347 | OsmocomBB                             | Feature | New         | Normal   | mobile: support data calls @ 300 bps and 1200/75 bps (TCH/[FH]2.4)                        |          | 01/26/2024 09:54 PM | Related to #6347                  |
| 6201 | OsmocomBB                             | Bug     | New         | Normal   | modem: signal proper MS Radio Access Capability   |          | 10/04/2023 12:34 PM | Related to #6201                  |
| 2815 | linmodem                              | Feature | New         | Normal   | modern ptmx / pty handling (UNIX 98)  |          | 01/01/2018 02:48 PM |                                   |
| 1612 | Cellular Network Infrastructure       | Bug     | New         | Low      | more configuration consistency checking   |          | 09/30/2018 11:48 AM |                                   |
| 5434 | OCTOI - Osmocom Community TDM over IP | Feature | Stalled     | Normal   | more statistics / counters  |          | 12/03/2023 11:17 AM |                                   |
| 1954 | OsmocomBB                             | Bug     | In Progress | Normal   | Motorola C188 with Osmocombb firmwre(RAM version) can't scan out any base stations        |          | 07/10/2017 10:24 PM |                                   |
| 3688 | OsmoSGSN                              | Feature | New         | Low      | move generic gtpub code to libosmocore  |          | 04/15/2019 07:29 AM |                                   |
| 1537 | OsmoPCU                               | Feature | New         | Low      | Move the BSSGP handling to libosmocore  |          | 03/01/2018 11:17 PM | Related to #1537,Related to #2388 |
| 1577 | OsmoBTS                               | Bug     | New         | Normal   | mph_send_config_logchpar doesn't update encryption config                                 |          | 02/23/2016 03:39 PM |                                   |
| 2438 | OsmoNITB                              | Bug     | New         | Normal   | MS not registered from osmocom PoV, but registered from ofono PoV                         |          | 08/14/2017 09:36 AM |                                   |
| 3814 | OsmoBSC                               | Bug     | New         | Normal   | MS Power Control Problem with Osmo-BSC and nanoBTS  |          | 02/24/2019 01:15 AM |                                   |
| 4017 | OsmoMSC                               | Bug     | New         | Normal   | MSC fails to handle calls   |          | 05/29/2019 04:56 PM |                                   |
| 4363 | Distributed GSM                       | Feature | New         | Low      | mslookup_client_mdns_test: add stubs, so it works without multicast                       |          | 04/28/2020 02:55 PM | Related to #4363                  |
| 4525 | Cellular Modem Information            | Feature | New         | Normal   | MTK   |          | 05/03/2020 03:57 PM | Is duplicate of #4525             |
| 1479 | Mobile (in)Security                   | Bug     | New         | Normal   | MTK stack unable to send MO-SMS on TCH/F  |          | 04/03/2019 09:01 AM |                                   |
| 4536 | OsmoBSC                               | Feature | New         | Normal   | Multi BTS support within a single physical device   |          | 06/21/2020 01:10 PM |                                   |

| #    | Project  | Tracker | Status  | Priority | Subject   | Assignee | Updated             | Related issues        |
|------|--|---------|---------|----------|---|----------|---------------------|-----------------------|
| 3501 | SIMtrace 2   | Feature | New     | Low      | Multi-sim addon board idea  |          | 08/28/2018 03:00 PM |                       |
| 1561 | OsmoBTS  | Feature | New     | Low      | Multi-TRX support (one osmo-bts process per TRX)  |          | 02/23/2016 03:18 PM |                       |
| 3280 | OsmocomBB  | Feature | New     | Low      | Multiparty SS support in OsmocomBB  |          | 05/22/2018 07:40 AM |                       |
| 5389 | OsmocomDECT  | Bug     | New     | Low      | Namespace clashes between kernel and userspace  |          | 01/09/2022 12:30 PM |                       |
| 4926 | OsmoHNBGW  | Bug     | New     | Normal   | nano3G disconnect / reconnect cycle with SCTP multi-homing  |          | 01/04/2021 11:38 AM | Related to #4926      |
| 3865 | OsmoBSC  | Bug     | New     | Normal   | nanoBTS: GPRS not working anymore, modems unable to attach in osmo-gsm-tester                           |          | 05/11/2023 01:00 PM | Is duplicate of #3865 |
| 4352 | osmo-sip-connector                                     | Bug     | New     | Normal   | Need to handle 401 Unauthorized   |          | 01/09/2020 02:03 PM |                       |
| 6007 | OsmoBSC  | Bug     | New     | Normal   | network -> bts -> gprs nsvc will always create a nsvc node  |          | 04/17/2023 04:08 PM |                       |
| 2224 | SDR (Software Defined Radio)                           | Feature | New     | Normal   | New Fospor Benchmark Performance  |          | 05/04/2017 01:23 PM |                       |
| 5808 | gr-osmosdr   | Feature | New     | Normal   | New option, for selecting an input channel of a soapy_source_c  |          | 12/05/2022 11:45 AM |                       |
| 6344 | libosmocore  | Feature | New     | Normal   | New TS 24.008 Bearer Capability codec API   |          | 01/24/2024 11:19 PM | Related to #6344      |
| 70   | OsmoNITB   | Bug     | New     | Low      | nitb crashes in the rtp_proxy when a phone on a MT-call sends a 'CONNECT' before the CRCX ACK came back |          | 05/09/2016 07:37 PM |                       |
| 5357 | OsmoGGSN (former OpenGGSN)                             | Bug     | New     | Normal   | no more than PDP_MAX == 1024 PDP contexts possible in libgtp  |          | 12/14/2021 01:20 PM | Related to #5469      |
| 4141 | Cellular Network Infrastructure                        | Bug     | New     | Normal   | No osmux specific code in place during codec negotiation  |          | 08/05/2019 03:57 PM |                       |
| 5693 | OCTOI - Osmocom Community TDM over IP                  | Bug     | Stalled | Normal   | no progress tones in yate   |          | 12/03/2023 11:10 AM |                       |
| 2179 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Bug     | New     | Normal   | no sign about OsmoCon outside of venue  |          | 04/24/2017 07:10 PM |                       |
| 2411 | OsmoMGW  | Feature | New     | Low      | No support for RTP dynamic payload types - AMR/HR/EFR payload types are hardcoded                       |          | 03/05/2018 07:04 PM |                       |
| 2957 | OsmoSGSN   | Bug     | New     | Normal   | No timeout during GSUP PURGE MS to HLR  |          | 01/08/2020 10:47 PM |                       |
| 2953 | OsmoSGSN   | Bug     | New     | Normal   | No timeout waiting for UpdateLocation Response on GSUP  |          | 01/08/2020 10:47 PM | Related to #2952      |
| 69   | OsmoBSC  | Bug     | New     | Low      | No timers for various calls   |          | 12/10/2017 07:53 PM |                       |
| 4987 | OsmoBTS  | Feature | New     | Low      | No TTCN3 test for AMR DTX FSMs  |          | 01/28/2021 01:37 PM | Related to #5474      |
| 4988 | OsmoBTS  | Feature | New     | Low      | No TTCN3 test for AMR TFO / DL CMR handling   |          | 01/28/2021 01:38 PM |                       |
| 4986 | OsmoBTS  | Feature | New     | Low      | No TTCN3 tests of AMR rate/link adaptation  |          | 01/28/2021 01:36 PM |                       |
| 3591 | rtl-sdr  | Bug     | New     | Normal   | No Way To Detect Occasional Failed Bulk Transfers   |          | 09/25/2018 01:29 PM |                       |
| 1838 | OsmoPCU  | Bug     | Stalled | Normal   | Nokia E52 doest reply to PUAN message properly  |          | 10/29/2017 06:47 PM |                       |

| #    | Project       | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues  |
|------|---------------|---------|-------------|----------|---|----------|---------------------|---|
| 4557 | OsmoMSC       | Bug     | New         | Normal   | normal BSSMAP Clear Command from MSC contains cause == 0 meaning "Radio interface message failure"                |          | 05/20/2020 07:17 PM |   |
| 5035 | libosmocore   | Bug     | New         | Low      | ns2: add a vty to drop a sns connection   |          | 03/29/2021 09:16 PM |   |
| 5015 | libosmocore   | Bug     | New         | Low      | ns2: add consistency check for ns configuration as callback   |          | 03/29/2021 09:17 PM |   |
| 41   | OsmoMSC       | Bug     | New         | Normal   | Numbering Plan in OsmoMSC   |          | 06/23/2018 07:37 PM |   |
| 5298 | gr-osmosdr    | Bug     | New         | Normal   | object has no attribute 'pyqwidget' on arch linux   |          | 11/09/2021 01:25 AM |   |
| 6297 | OsmoMGW       | Bug     | New         | Normal   | octet-align=0 is the RFC 6871 specified default to use when omitted; but osmo-mgw assumes don't-care when omitted |          | 12/12/2023 02:12 AM | Is duplicate of #5726   |
| 5499 | osmo-e1d      | Bug     | New         | Low      | octoi client binds to specific IP even if 0.0.0.0 is specified  |          | 05/23/2023 07:10 AM |   |
| 4242 | BBS-Revival   | Feature | New         | Low      | offer CCC event schedule (Fahrplan) as gopher service   |          | 10/28/2019 09:22 AM |   |
| 2713 | OsmoGSMTester | Bug     | New         | Normal   | ofono: chosen pdp type (v4, v6, dual) not strictly followed in ofono qmi  |          | 01/08/2020 10:40 PM | Related to #2713  |
| 2432 | OsmoGSMTester | Feature | New         | Low      | ofono: Find out how to receive Status / Delivery report   |          | 01/08/2020 10:51 PM |   |
| 2236 | OsmoGSMTester | Bug     | New         | Low      | ofono: Fix valgrind issues  |          | 01/08/2020 10:51 PM |   |
| 2468 | OsmoGSMTester | Feature | New         | Low      | ofono: gobi modem doesn't support ofono SupplementaryServices interface   |          | 01/08/2020 10:51 PM |   |
| 2238 | OsmoGSMTester | Bug     | In Progress | Normal   | ofono: Gobi modem: cannot receive SMS   |          | 01/08/2020 10:42 PM | Related to #2238  |
| 3676 | OsmoGSMTester | Bug     | New         | Normal   | ofono: org.ofono.ConnectionManager property Bearer returning "none"   |          | 06/09/2020 08:39 PM |   |
| 3046 | OsmoGSMTester | Bug     | New         | Normal   | ofono: SierraW modem fails to power on  |          | 01/08/2020 10:41 PM |   |
| 2941 | OsmoGSMTester | Bug     | New         | Normal   | ofono: SierraW sometimes crashing while deactivating a context.   |          | 01/08/2020 10:40 PM |   |
| 3917 | OsmoGSMTester | Bug     | New         | Normal   | ofono: update debian packages to match our dependencies   |          | 04/06/2020 11:30 AM |   |
| 1505 | UmTRX         | Bug     | New         | High     | OHM4 footprint incorrect  |          | 02/19/2016 10:52 PM |   |
| 28   | OsmoNITB      | Bug     | New         | Low      | Old siemens phones cannot make voice calls (04.08 channel mode)   |          | 03/05/2018 07:36 PM |   |
| 2691 | OsmoNITB      | Bug     | Feedback    | Normal   | Old TMSI paged after LU   |          | 05/17/2018 11:47 AM |   |
| 4682 | OsmoBSC       | Feature | New         | Low      | OM2000 MCTR Support for Ericsson RBS6000 / DUG 20   |          | 07/30/2020 06:51 AM | Precedes #4682  |
| 3782 | OsmoBTS       | Bug     | New         | Low      | OML bringup fails for osmo-bts-oc2g on high latency links   |          | 01/08/2020 10:27 PM | Related to #3782,Related to #3782,Related to #3789,Related to #4031 |
| 4031 | OsmoBTS       | Bug     | New         | Normal   | OML part of BTS has no TTCN-3 tests   |          | 09/04/2019 09:04 AM | Related to #4031,Related to #4031                                   |
| 4082 | OsmoBTS       | Bug     | New         | Normal   | OML: Unknown/unhandled PCHAN type: 0 NONE   |          | 11/18/2019 10:09 AM |   |
| 6009 | OsmoMSC       | Bug     | New         | Normal   | omo-msc: lots of tiv_parse() calls in src/libmsc/gsm_04_08.c have no return code checked for errors               |          | 04/19/2023 03:19 PM |   |
| 4130 | OP25          | Bug     | New         | Normal   | OP25 User Interface   |          | 07/26/2019 02:36 AM |   |

| #    | Project  | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|--|---------|--------|----------|--|----------|---------------------|-----------------------------------|
| 1832 | Linux Kernel GTP-U                             | Feature | New    | Normal   | OpenvSwitch GTP-u patch for 2.5  |          | 10/27/2016 08:56 AM |                                   |
| 2610 | libosmocore                                    | Feature | New    | Low      | optimize GnuTLS fallback   |          | 05/01/2018 04:07 PM | Related to #2610,Related to #3909 |
| 2355 | OsmoBTS  | Bug     | New    | Low      | optimize log output of phy specific code   |          | 09/04/2019 09:26 AM | Related to #2355                  |
| 4762 | osmo-sip-connector                             | Feature | New    | Low      | Osmo Analog Support  |          | 09/25/2020 07:31 AM | Related to #4763                  |
| 3819 | gr-osmosdr                                     | Support | New    | Urgent   | OSMO SDR blocks for GNUradio   |          | 02/28/2019 06:00 PM |                                   |
| 6450 | OsmoDia2GSUP                                   | Bug     | New    | Low      | osmo_dia2gsup service has two timestamps for each log line in journalctl                     |          | 05/10/2024 12:55 PM |                                   |
| 3983 | libosmocore                                    | Bug     | New    | Normal   | osmo_fsm_inst_change_parent() forgets to talloc reparent                                     |          | 03/24/2021 12:35 PM |                                   |
| 3909 | libosmocore                                    | Bug     | New    | Normal   | osmo_get_rand_id() fails in containerised environment  |          | 03/24/2021 12:34 PM | Related to #3909                  |
| 6410 | libosmocore                                    | Bug     | New    | Normal   | osmo_io poll backend doesn't work on file descriptors that are not sockets                   |          | 03/19/2024 07:33 PM |                                   |
| 3309 | libosmocore                                    | Feature | New    | Normal   | osmo_timer_* should use monotonic clock  |          | 05/31/2018 03:59 PM | Related to #3309                  |
| 4589 | OsmoBSC  | Bug     | New    | Normal   | osmo-bsc crashes with "lchan allocation failed in state WAIT_RF_RELEASE_ACK: Timeout"        |          | 06/06/2020 10:40 PM |                                   |
| 3330 | OsmoBSC  | Feature | New    | Normal   | osmo-bsc: Implement IMMEDIATE ASSIGNMENT EXTENDED  |          | 06/08/2018 12:14 PM | Related to #3330                  |
| 2245 | OsmoGSMTester                                  | Bug     | New    | Low      | osmo-bts cfg: fix band string  |          | 05/15/2017 12:58 PM | Related to #2230                  |
| 5576 | OsmoBTS  | Bug     | New    | Normal   | osmo-bts not moving NM state "Enabled -> DisabledDependency" when Admin state becomes Locked |          | 06/02/2022 10:38 AM |                                   |
| 5995 | OsmoBTS  | Bug     | New    | Low      | osmo-bts printing log line 'OC=GPRS-NSE(f0) INST=(00,ff,ff): Tx unknown 0xf6'                |          | 10/18/2023 05:47 PM |                                   |
| 1755 | OsmoBTS  | Feature | New    | Low      | osmo-bts-sysmo L1: unify hLayer3 handling  |          | 02/02/2017 04:00 PM | Related to #1755                  |
| 1771 | OsmoBTS  | Feature | New    | Low      | osmo-bts-trx: clarify check_transceiver_availability()                                       |          | 03/01/2018 11:17 PM | Related to #1770                  |
| 5474 | OsmoBTS  | Bug     | New    | Normal   | osmo-bts-trx: DTXd support not implemented   |          | 03/02/2022 05:06 PM | Related to #5474,Related to #5474 |
| 2942 | OsmoBTS  | Bug     | New    | Low      | osmo-bts-virtual+virtphy+mobile paging for SMS delivery fails                                |          | 02/13/2018 05:05 PM |                                   |
| 4630 | OsmoBTS  | Bug     | New    | Low      | osmo-bts: GSMTAP DL (tx) messages use hardcoded signal level 0                               |          | 10/05/2022 09:11 AM |                                   |
| 3329 | OsmoBTS  | Feature | New    | Normal   | osmo-bts: Implement IMMEDIATE ASSIGNMENT EXTENDED  |          | 06/08/2018 12:02 PM | Related to #3330                  |
| 61   | OsmoBTS  | Feature | New    | Low      | osmo-bts: split TRAU/RTP frame handling into separate process                                |          | 06/13/2016 01:16 PM |                                   |
| 4108 | Cellular Network Infrastructure                | Bug     | New    | Low      | osmo-ctrl2cgi, osmo-trap2cgi: missing default configs  |          | 07/16/2019 12:30 PM | Related to #4108                  |
| 6345 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New    | Low      | osmo-epdg: Implement SWm interface (Diameter) ePDG <-> AAA                                   |          | 01/25/2024 05:22 PM |                                   |

| #    | Project  | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|--|---------|--------|----------|---|----------|---------------------|------------------|
| 6408 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New    | Normal   | osmo-epdg: Support check IMEI   |          | 03/15/2024 06:45 PM |                  |
| 6407 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New    | Normal   | osmo-epdg: Support Emergency services (no IMSI)   |          | 03/15/2024 06:43 PM |                  |
| 6420 | OsmoGGSN (former OpenGGSN)                     | Bug     | New    | Low      | osmo-ggsn + pre-configured tun device seems to be broken with kernel gtp-u                        |          | 03/26/2024 11:43 AM |                  |
| 6298 | OsmoGGSN (former OpenGGSN)                     | Feature | New    | Normal   | osmo-ggsn not providing MTU of the GTP tunnel to the MS   |          | 02/15/2024 10:30 PM | Related to #6298 |
| 6419 | OsmoGGSN (former OpenGGSN)                     | Bug     | New    | Low      | osmo-ggsn removes tun devices it did not create   |          | 03/26/2024 11:26 AM |                  |
| 5449 | OsmoGGSN (former OpenGGSN)                     | Bug     | New    | Low      | osmo-ggsn: Accept IPv4v6 EJA pdp creation in APv4/v6-only APNs by answering with changed PDP Type |          | 04/04/2023 09:46 AM |                  |
| 6126 | OsmoGSMTester                                  | Bug     | New    | Normal   | osmo-gsm-tester docker container uses debian 10   |          | 08/01/2023 09:49 AM | Related to #6126 |
| 2861 | OsmoGSMTester                                  | Feature | New    | Normal   | osmo-gsm-tester: Add 3g support for sysmocell-5k  |          | 12/02/2019 01:36 PM | Related to #2860 |
| 2646 | OsmoGSMTester                                  | Feature | New    | Normal   | osmo-gsm-tester: Add osmo-sip-connector support   |          | 04/23/2018 10:40 AM |                  |

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