

## Issues

| #    | Project       | Tracker | Status  | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|---------------|---------|---------|----------|---|----------|---------------------|--|
| 6394 | OsmoUPF       | Feature | Stalled | Low      | Basic URR (Usage Reporting Rule) support for tunnel mapping   |          | 03/22/2024 08:08 AM | Related to #6395   |
| 4362 | OsmoTRX       | Feature | Stalled | Normal   | osmo-trx-lms: Support multi-arfcn feature   |          | 09/30/2020 08:09 PM | Related to #4362,Related to #4362  |
| 3775 | OsmoTRX       | Bug     | Stalled | Normal   | properly debug limesdr usb and limesdr mini clocking requirements and osmo-trx support              |          | 09/30/2020 08:09 PM | Blocks #3341,Blocks #3342,Blocks #3775                                       |
| 3341 | OsmoTRX       | Bug     | Stalled | High     | osmo-trx-lms RF Envelope FAIL on LimeSDR, but not on LimeSDR-mini                                   |          | 09/30/2020 08:08 PM | Related to #3341 ,Related to #3861,Blocks #3341                              |
| 2958 | OsmoSGSN      | Bug     | Stalled | Normal   | OsmoSGSN doesn't authenticate on second/further ATTACH REQUEST                                      |          | 01/08/2020 10:49 PM | Related to #2958,Related to #4221  |
| 1794 | OsmoSGSN      | Bug     | Stalled | Normal   | support random IV for GEA (via XID)   |          | 03/01/2018 11:17 PM | Related to #1910,Related to #1672,Related to #2843,Blocks #1794,Blocks #1582 |
| 1768 | OsmoSGSN      | Bug     | Stalled | Low      | VTY show llc displays State TLLI Unassigned permanently   |          | 01/08/2020 10:52 PM |  |
| 1655 | OsmoSGSN      | Feature | Stalled | Normal   | KPIs for OsmoSGSN   |          | 01/08/2020 10:49 PM | Related to #1652,Related to #1655,Related to #1655                           |
| 1587 | OsmoSGSN      | Feature | Stalled | Normal   | SMS over GPRS support   |          | 11/25/2018 08:14 PM | Related to #3587   |
| 4452 | OsmoPCU       | Bug     | Stalled | Normal   | manual testing of osmo-pcu  |          | 07/28/2023 02:48 PM |  |
| 1838 | OsmoPCU       | Bug     | Stalled | Normal   | Nokia E52 doest reply to PUAN message properly  |          | 10/29/2017 06:47 PM |  |
| 1823 | OsmoPCU       | Feature | Stalled | Low      | Ericsson PCU TRAU frame encoding/decoding   |          | 09/04/2019 09:26 AM | Related to #5198   |
| 1759 | OsmoPCU       | Bug     | Stalled | High     | Wrong calculation of DL window size for DL assignment   |          | 01/22/2020 04:01 PM | Related to #1533,Related to #1524  |
| 1725 | OsmoNITB      | Bug     | Stalled | Low      | iPhone6 network selection issue with GSM1900  |          | 03/05/2018 07:35 PM |  |
| 1671 | OsmoNITB      | Bug     | Stalled | Low      | Combined 850/1800 NITB not seen by Option Icon2 stick   |          | 03/05/2018 07:35 PM |  |
| 3445 | OsmoMSC       | Feature | Stalled | Normal   | SS/USSD: clean up the local GSM 04.80 API   |          | 12/14/2018 01:57 PM |  |
| 2851 | OsmoMSC       | Bug     | Stalled | Normal   | a_iface.c:534 Unhandled SIGTRAN primitive: 3:2  |          | 07/18/2019 05:45 AM |  |
| 4151 | OsmoGSMTester | Bug     | Stalled | Normal   | osmo-gsm-tester: osmo-trx-lms process sometimes kept forever in zombie-alike state after killing it |          | 09/30/2020 08:08 PM | Related to #4151   |

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|------|---------------------------------------|---------|---------|----------|--|----------|---------------------|--|
| 2197 | OsmoGSMTester                         | Feature | Stalled | Normal   | osmo-gsm-tester: use MNCC interface  |          | 11/30/2017 10:41 AM | Related to #2194,Is duplicate of #2197   |
| 3459 | OsmocomBB SDR PHY                     | Bug     | Stalled | Normal   | apps/grgsm_trx: AssertionError: packe t_info.packet_count == (seq_to_ack & 0xff)                     |          | 07/09/2023 07:48 PM |  |
| 3458 | OsmocomBB SDR PHY                     | Bug     | Stalled | Normal   | apps/grgsm_trx: [ERROR] [STREAMER] recv packet demuxer unexpected sid 0xXX                           |          | 07/09/2023 07:48 PM | Related to #3692   |
| 3425 | OsmocomBB SDR PHY                     | Bug     | Stalled | Normal   | Receiver: missing AGC (Automatic Gain Control)   |          | 07/09/2023 07:44 PM |  |
| 3424 | OsmocomBB SDR PHY                     | Feature | Stalled | Normal   | Transceiver: implement automatic TX delay measurement  |          | 07/09/2023 07:46 PM |  |
| 3423 | OsmocomBB SDR PHY                     | Feature | Stalled | Normal   | Receiver: hard-coded GSM 05.02 channel configuration   |          | 07/09/2023 07:45 PM |  |
| 3422 | OsmocomBB SDR PHY                     | Bug     | Stalled | Normal   | Receiver: sample / burst buffering problem   |          | 07/09/2023 07:39 PM |  |
| 1627 | OsmocomBB                             | Support | Stalled | Low      | DCS_8BIT and DCS_UCS2 encoding supprot   |          | 07/16/2018 06:53 PM |  |
| 4023 | OsmoBTS                               | Bug     | Stalled | Normal   | Missing coverage of PCU interface in osmo-bts  |          | 03/21/2023 01:07 PM | Related to #4023   |
| 3863 | OsmoBTS                               | Support | Stalled | Normal   | setup testing of osmo-bts-oc2g on real hardware with ttcn3 and osmocon/osmocom-bb                    |          | 12/01/2019 10:52 AM |  |
| 3806 | OsmoBSC                               | Bug     | Stalled | Normal   | OsmoBSC accepts BSSAP with wrong length field  |          | 08/28/2020 08:15 PM | Related to #3806   |
| 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                          |
| 2622 | OsmoBSC                               | Support | Stalled | High     | Prepare automatic interop testing of OmsoBSC against NG40 core simulator + osmo-bts-virtual + mobile |          | 09/04/2019 09:18 AM | Related to #2478,Related to #2558,Related to #2555                                   |
| 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 |
| 4822 | osmo-ccid-firmware                    | Bug     | Stalled | Low      | sysmoOCTSIM with osmo-ccid-firmware sometimes fails to enumerate on USB                              |          | 11/05/2021 05:19 PM |  |
| 5693 | OCTOI - Osmocom Community TDM over IP | Bug     | Stalled | Normal   | no progress tones in yate  |          | 12/03/2023 11:10 AM |  |

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|------|---------------------------------------|---------|----------|----------|--|----------|---------------------|--|
| 5434 | OCTOI - Osmocom Community TDM over IP | Feature | Stalled  | Normal   | more statistics / counters   |          | 12/03/2023 11:17 AM |  |
| 3812 | libosmo-netif                         | Bug     | Stalled  | Normal   | stream_test fails depending on where it is run                                     |          | 03/13/2019 04:15 PM |  |
| 4404 | IMSI Pseudonymization                 | Feature | Stalled  | Normal   | Research: Make sure that we can silently detach the IMSI                           |          | 04/15/2020 10:06 AM | Related to #4404,Related to #4480  |
| 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   |
| 6411 | Cellular Network Infrastructure       | Bug     | Stalled  | Normal   | ttn3: execute testsuites with a more realistic link performance                    |          | 04/03/2024 06:25 PM |  |
| 2558 | Cellular Network Infrastructure       | Feature | Stalled  | Normal   | Scripts to manage thousands of "mobile" and hundreds of osmo-bts-virtual instances |          | 06/08/2020 07:07 PM | Related to #2557,Related to #2556,Related to #2555,Related to #2558,Blocks #2893 |
| 6224 | Retronetworking                       | Feature | Feedback | Normal   | how to document the rescued EWSD   |          | 10/18/2023 04:51 PM |  |
| 1942 | OsmoSGSN                              | Bug     | Feedback | Normal   | Gb: implement paging in case of MM state == STANDBY && rx DL PDU                   |          | 01/08/2020 10:48 PM | Related to #1942,Related to #4222  |
| 1640 | OsmoPCU                               | Bug     | Feedback | Low      | Missing release field/length in MS RA capability container                         |          | 10/20/2020 09:19 AM |  |
| 2691 | OsmoNITB                              | Bug     | Feedback | Normal   | Old TMSI paged after LU  |          | 05/17/2018 11:47 AM |  |
| 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                               |
| 1898 | OsmoBTS                               | Bug     | Feedback | Low      | Wrong handover detection with l1sap on wrong ss=0/ts=0                             |          | 11/07/2017 09:54 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 |  |
| 6440 | libosmocore                           | Bug     | Feedback | Normal   | VTY: 'write file' breaks 'show startup-config'                                     |          | 04/26/2024 04:23 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  |
| 4403 | IMSI Pseudonymization                 | Feature | Feedback | Normal   | OsmoHLR: How to interface with SMS service?  |          | 04/16/2020 08:45 AM | Blocks #4477   |
| 5858 | Core testing infrastructure           | Bug     | Feedback | Normal   | osmo-python-tests: Ignore, at least clean up 'tmp_dummy_sock'                      |          | 02/22/2023 06:25 PM | Related to #5858   |
| 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                               |

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| 5900 | OsmoUPF         | Feature | In Progress | Normal   | make sure chain ids used in the tunmap nft ruleset are unused                                    |          | 02/09/2023 05:34 PM |  |
| 5349 | OsmoSGSN        | Bug     | In Progress | High     | Message for non-existing SNDCP Entity  |          | 07/17/2023 04:42 PM |  |
| 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   |
| 3920 | OsmoSGSN        | Support | In Progress | Normal   | PCAPs files of 3G PS for Osmocom network and Commercial one                                      |          | 04/18/2019 02:03 PM | Related to #3920,Related to #3936,Related to #3923,Related to #3937,Related to #3922 |
| 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 |  |
| 1766 | OsmoPCU         | Bug     | In Progress | High     | KPIs for OsmoPCU: EGPRS  |          | 01/22/2020 02:06 PM | Related to #1766,Related to #1766  |
| 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   |
| 4240 | OsmoMSC         | Bug     | In Progress | Normal   | test: incoming call when already Paging  |          | 11/27/2019 11:09 PM |  |
| 2238 | OsmoGSMTester   | Bug     | In Progress | Normal   | ofono: Gobi modem: cannot receive SMS  |          | 01/08/2020 10:42 PM | Related to #2238   |
| 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 |  |
| 4474 | OsmoBTS         | Bug     | In Progress | Low      | l1 fwd (-remote) tried to read eeprom locally  |          | 11/04/2021 06:35 PM |  |
| 4537 | OsmoBSC         | Feature | In Progress | Normal   | OsmoBSC needs strategies to recover broken lchans (lchan state BORKEN)                           |          | 11/20/2023 05:03 PM | Related to #4537,Related to #4540,Related to #4541,Related to #5106                  |
| 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 |  |
| 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 |  |
| 2809 | Z-Netz          | Bug     | New         | Normal   | Build ZConnect <-> UseNet gateway  |          | 01/01/2018 01:33 PM |  |
| 2808 | Z-Netz          | Bug     | New         | Normal   | Create + Document VM/emulation setup for running ZERBERUS  |          | 01/01/2018 01:09 PM |  |
| 2806 | UUCP and UseNet | Feature | New         | Low      | Create Dockerfile and/or ansible playbook for UseNet node  |          | 01/01/2018 01:04 PM |  |
| 1518 | UmTRX           | Feature | New         | Normal   | Upper limit of the clock is too low  |          | 02/19/2016 10:52 PM |  |
| 1517 | UmTRX           | Feature | New         | Normal   | U_FL (UMC) connectors are not reliable after few connections                                     |          | 02/19/2016 10:52 PM |  |
| 1516 | UmTRX           | Feature | New         | Normal   | There are no port to control external equipment like PA  |          | 02/19/2016 10:52 PM |  |
| 1515 | UmTRX           | Feature | New         | Normal   | Heat dissipation and mounting issue  |          | 02/19/2016 10:52 PM |  |
| 1511 | UmTRX           | Feature | New         | Normal   | Solve Tx and Rx I/Q imbalance for wideband signals   |          | 02/19/2016 10:52 PM |  |

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| 1505 | UmTRX                        | Bug     | New    | High     | OHM4 footprint incorrect   |          | 02/19/2016 10:52 PM |                |
| 5423 | SIMtrace 2                   | Bug     | New    | Low      | "trace" firmware continuous test setup                                   |          | 01/27/2022 12:24 PM |                |
| 3501 | SIMtrace 2                   | Feature | New    | Low      | Multi-sim addon board idea   |          | 08/28/2018 03:00 PM |                |
| 4685 | SDR (Software Defined Radio) | Bug     | New    | Normal   | Can't compile libusrp  |          | 08/04/2020 08:52 AM |                |
| 4677 | SDR (Software Defined Radio) | Bug     | New    | Normal   | fopher crash on OSX with Qt  |          | 07/27/2020 03:27 AM |                |
| 4653 | SDR (Software Defined Radio) | Bug     | New    | Normal   | cannot import name 'fosphor'   |          | 07/07/2020 02:39 AM |                |
| 4580 | SDR (Software Defined Radio) | Feature | New    | Normal   | gr-osmosdr compilation under GnuRadio 3.9.0                              |          | 06/04/2020 01:13 AM |                |
| 3817 | SDR (Software Defined Radio) | Bug     | New    | Normal   | Unable to use fosphor display on Ubuntu 18.10                            |          | 02/26/2019 06:56 PM |                |
| 3126 | SDR (Software Defined Radio) | Bug     | New    | Low      | Windows 10 Pro 1709: crash of rtl_test.exe                               |          | 03/30/2018 02:16 PM |                |
| 2764 | SDR (Software Defined Radio) | Support | New    | Normal   | osmocom_fft & siggen can't access the X display                          |          | 12/15/2017 06:09 PM |                |
| 2224 | SDR (Software Defined Radio) | Feature | New    | Normal   | New Fosphor Benchmark Performance  |          | 05/04/2017 01:23 PM |                |
| 1678 | SDR (Software Defined Radio) | Bug     | New    | Normal   | Use -undefined dynamic_lookup when using Python and building on Mac OS X |          | 03/30/2016 11:25 PM |                |
| 6329 | rtl-sdr                      | Bug     | New    | Normal   | rtl_sdr does not have correct rpath set on OSX build                     |          | 01/12/2024 09:57 PM |                |
| 6032 | rtl-sdr                      | Bug     | New    | Normal   | Poor APRS demodulation using RTL_FM on RaspberryPI or on old PC          |          | 05/15/2023 12:14 PM |                |
| 5120 | rtl-sdr                      | Bug     | New    | Normal   | rtlsdr_demod_write_reg failed with -9                                    |          | 04/18/2021 08:55 PM |                |
| 4720 | rtl-sdr                      | Bug     | New    | Normal   | rtl_power reports invalid values   |          | 08/19/2020 02:47 PM |                |
| 4513 | rtl-sdr                      | Bug     | New    | Normal   | PKG information broken   |          | 04/26/2020 03:21 PM |                |
| 4427 | rtl-sdr                      | Bug     | New    | Normal   | docker + rtl_sdr issue   |          | 02/29/2020 01:16 PM |                |
| 4080 | rtl-sdr                      | Support | New    | Normal   | Receiving UTAs on 978 Mhz  |          | 07/02/2019 12:08 PM |                |
| 3797 | rtl-sdr                      | Bug     | New    | Normal   | Exits with "Bus error"   |          | 02/12/2019 02:28 PM |                |
| 3591 | rtl-sdr                      | Bug     | New    | Normal   | No Way To Detect Occasional Failed Bulk Transfers                        |          | 09/25/2018 01:29 PM |                |
| 3590 | rtl-sdr                      | Bug     | New    | Normal   | Key Functions Missing Documentation                                      |          | 09/25/2018 01:04 PM |                |
| 3589 | rtl-sdr                      | Bug     | New    | Normal   | Zerocopy Buffers Unusable Outside Callback Without memcpy()              |          | 09/25/2018 12:58 PM |                |
| 3588 | rtl-sdr                      | Bug     | New    | Normal   | Error Values Inconsistent  |          | 09/25/2018 12:47 PM |                |
| 2607 | rtl-sdr                      | Bug     | New    | Normal   | rtl-sdr gnuradio cfile is outdated                                       |          | 06/03/2018 12:23 PM |                |
| 1983 | rtl-sdr                      | Support | New    | Normal   | Add welle.io and rtl_fm_streamer to rtl-sdr app list                     |          | 06/03/2018 12:24 PM |                |
| 5768 | Retronetworking              | Feature | New    | Normal   | retronetworking logo / artwork   |          | 04/07/2024 10:40 PM |                |

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| 5746 | Retronetworking                       | Feature | New    | Low      | Create H.221 decoder   |          | 11/07/2022 10:55 PM |                  |
| 5545 | Retronetworking                       | Feature | New    | Low      | E1 support for dynamips  |          | 04/24/2022 09:56 AM |                  |
| 5543 | Retronetworking                       | Feature | New    | Normal   | Contact manufacturers for leftover stock                           |          | 06/27/2023 09:05 PM |                  |
| 5512 | Retronetworking                       | Bug     | New    | Low      | Idea: L1OIP driver for DAHDI                                       |          | 04/03/2022 11:46 AM |                  |
| 5511 | Retronetworking                       | Feature | New    | Low      | Idea: DAHDI backend for mISDN                                      |          | 09/18/2022 03:59 PM |                  |
| 4226 | Retronetworking                       | Feature | New    | Low      | STM-1 / USB interface?   |          | 01/30/2022 10:14 AM |                  |
| 4206 | Qualcomm Linux Modems by Quectel & Co | Support | New    | Urgent   | Unbrick cpe router without web ui interface and terminal           |          | 02/22/2021 02:01 PM |                  |
| 4135 | Qualcomm Linux Modems by Quectel & Co | Support | New    | Normal   | how to use network inside ec20                                     |          | 07/31/2019 11:20 AM |                  |
| 1815 | Qualcomm Linux Modems by Quectel & Co | Feature | New    | Normal   | tool for building binary ipk from .list/.control                   |          | 10/02/2016 05:06 AM |                  |
| 1814 | Qualcomm Linux Modems by Quectel & Co | Feature | New    | Low      | check if qtools work   |          | 10/02/2016 04:08 AM |                  |
| 1813 | Qualcomm Linux Modems by Quectel & Co | Bug     | New    | Normal   | cat /dev/snd/* causes kernel oops                                  |          | 09/30/2016 04:00 PM |                  |
| 6418 | pySim                                 | Bug     | New    | Normal   | osmo-smdpp docs  |          | 03/25/2024 05:54 PM |                  |
| 6398 | pySim                                 | Bug     | New    | Normal   | Add helper for SwMatchError  |          | 03/09/2024 09:34 PM |                  |
| 6367 | pySim                                 | Feature | New    | Normal   | PC/SC <-> Android OMAPI bridge for pySim and others                |          | 02/17/2024 01:34 PM |                  |
| 6322 | pySim                                 | Bug     | New    | Low      | ATR type annotation  |          | 01/03/2024 09:55 PM |                  |
| 6316 | pySim                                 | Feature | New    | Normal   | include test data in user manual                                   |          | 12/23/2023 03:10 PM |                  |
| 6315 | pySim                                 | Feature | New    | Low      | have test data for all supported files                             |          | 12/23/2023 09:36 AM |                  |
| 6314 | pySim                                 | Bug     | New    | Low      | pySim-trace doesn't support ARA-M                                  |          | 12/23/2023 09:36 AM |                  |
| 6104 | pySim                                 | Feature | New    | Low      | reduce number of python dependencies                               |          | 07/20/2023 04:28 PM |                  |
| 5267 | pySim                                 | Feature | New    | Normal   | pySim-shell: Ability to deactivate entire applications on the card |          | 10/14/2021 07:12 PM | Related to #5268 |
| 5235 | pySim                                 | Feature | New    | Low      | import / export as eUICC profile package ASN.1                     |          | 06/09/2023 04:55 PM |                  |
| 1919 | pySim                                 | Bug     | New    | Low      | issue with grcardsim from Greencard (grcard.cn)                    |          | 08/17/2017 06:45 AM |                  |
| 5814 | OsmoUPF                               | Feature | New    | Normal   | tunmap: more concisely match on GTP-U packets                      |          | 12/06/2022 07:30 PM |                  |
| 5682 | OsmoUPF                               | Feature | New    | Low      | cfg: separate PFCP Node ID from PFCP local address                 |          | 09/17/2022 02:21 PM | Related to #5682 |
| 5662 | OsmoUPF                               | Feature | New    | Normal   | add Linux kernel options to manual                                 |          | 08/24/2022 03:13 PM |                  |
| 5050 | OsmoTRX                               | Bug     | New    | Normal   | How can I solve limesdr mini clock problem with osmocomb ?         |          | 02/27/2021 01:55 PM |                  |

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| 4637 | OsmoTRX  | Bug     | New    | Normal   | limesdr usb gain setting changes break gsm phasenoise constraints                        |          | 06/29/2020 04:43 PM |   |
| 4504 | OsmoTRX  | Feature | New    | Low      | Buidl LimeSuite without GUI in osmocomb feeds  |          | 09/30/2020 08:08 PM |   |
| 3981 | OsmoTRX  | Bug     | New    | Normal   | osmo-trx-lms: Overruns appear from time to time  |          | 09/30/2020 08:08 PM | Related to #3981                            |
| 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                       |
| 3962 | OsmoTRX  | Feature | New    | Low      | osmo-trx: Use gcc attribute no_sanitize to run fine with ASan enabled                    |          | 08/26/2019 02:04 PM |   |
| 3949 | OsmoTRX  | Bug     | New    | Normal   | osmo-trx-lms: improve runtime gain setting (missing calibration)                         |          | 09/30/2020 08:08 PM | Related to #4468                            |
| 3345 | OsmoTRX  | Feature | New    | Low      | merge ms branch  |          | 06/13/2018 07:16 PM |   |
| 3344 | OsmoTRX  | Feature | New    | Normal   | merge ttsou/siggen   |          | 06/13/2018 07:26 PM |   |
| 3141 | OsmoTRX  | Bug     | New    | Normal   | Refactor / clean up TRX CTRL / DATA interfaces implementation                            |          | 04/05/2018 05:46 PM |   |
| 3033 | OsmoTRX  | Feature | New    | Low      | Split wiki page into multiple smaller pages  |          | 03/05/2018 11:28 AM |   |
| 2430 | OsmoTRX  | Feature | New    | Low      | osmo-trx support bladerf   |          | 02/14/2023 01:39 PM | Is duplicate of #2430,Is duplicate of #2430 |
| 4274 | OsmoSTP  | Bug     | New    | Normal   | AS Name isn't displayed  |          | 03/14/2024 10:33 AM |   |
| 3609 | OsmoSTP  | Feature | New    | Low      | Support for C-Link   |          | 10/03/2018 08:58 AM |   |
| 3607 | OsmoSTP  | Feature | New    | Normal   | Support for capability point codes   |          | 10/03/2018 08:58 AM |   |
| 3606 | OsmoSTP  | Feature | New    | Normal   | Support for multiple NI (network indicator)  |          | 10/03/2018 08:58 AM |   |
| 3605 | OsmoSTP  | Feature | New    | Normal   | Global Title Translation   |          | 07/18/2019 05:15 AM |   |
| 3604 | OsmoSTP  | Feature | New    | Normal   | Global Title Routing   |          | 07/18/2019 05:15 AM |   |
| 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 |   |
| 6441 | OsmoSGSN | Bug     | New    | Normal   | use-after-free on RAU with invalid Old RAI   |          | 04/22/2024 01:23 PM | Related to #6441                            |
| 6176 | OsmoSGSN | Bug     | New    | Low      | build failure (dependency / concurrency issue)   |          | 09/13/2023 03:14 PM |   |
| 5853 | OsmoSGSN | Feature | New    | Normal   | osmo-sgsn: Rework to use libosmo-gprs  |          | 01/11/2023 03:14 PM |   |
| 5852 | OsmoSGSN | Bug     | New    | Normal   | osmo-sgsn: Keep TLLI<->NSEI+BVC1 relation knowledge in BSSGP layer                       |          | 01/11/2023 03:08 PM |   |
| 5851 | OsmoSGSN | Bug     | New    | Normal   | check if rate ctr GMM_CTR_PKTS_UDATA_IN is correct increased in sgsn_gtp_data_req() func |          | 01/10/2023 06:40 PM |   |
| 5509 | OsmoSGSN | Bug     | New    | Normal   | llc/pdu lifetime: add vty config option to define default lifetime                       |          | 03/31/2022 04:11 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 |   |
| 5154 | OsmoSGSN | Bug     | New    | Normal   | OsmoSGSN doesn't trigger 3G paging if downlink GTP traffic arrives after long break      |          | 05/13/2021 12:28 PM | Related to #5154                            |
| 4886 | OsmoSGSN | Bug     | New    | Normal   | UE does not connect data when moving from 2G->3G   |          | 12/04/2020 01:29 AM |   |
| 4825 | OsmoSGSN | Bug     | New    | Normal   | security command is missing sometimes  |          | 10/22/2020 02:40 AM |   |

| #    | Project  | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues  |
|------|----------|---------|--------|----------|---|----------|---------------------|---|
| 4631 | OsmoSGSN | Bug     | New    | Low      | packet/byte counters don't work for 3G  |          | 06/24/2020 06:58 AM |   |
| 4599 | OsmoSGSN | Bug     | New    | Normal   | counter group sgsn:pdpcx already exists for index X, instead using Y          |          | 09/09/2020 10:05 AM | Related to #4604  |
| 4222 | OsmoSGSN | Bug     | New    | High     | Implement PS Paging for the Routing Areas                                     |          | 10/03/2020 02:20 PM | Related to #4222  |
| 3964 | OsmoSGSN | Bug     | New    | Normal   | SIGSEGV in sndcp_sm_deactivate_ind()  |          | 10/10/2019 07:11 PM | Related to #3964,Related to #4221,Related to #4602      |
| 3940 | OsmoSGSN | Bug     | New    | Normal   | TTCN-3: lu: test UMTS Auth  |          | 04/24/2019 08:24 AM |   |
| 3939 | OsmoSGSN | Bug     | New    | Normal   | TTCN: do a GMM Attach Request when in GMM Connected and have a PDP Request    |          | 04/24/2019 08:25 AM |   |
| 3936 | OsmoSGSN | Bug     | New    | Normal   | lu: first GMM Service Request does not find a MM ctx                          |          | 05/07/2019 01:37 PM | Related to #3936  |
| 3923 | OsmoSGSN | Bug     | New    | Normal   | lu: Respond to SecurityCommandReject messages                                 |          | 04/24/2019 08:26 AM | Related to #3923  |
| 3696 | OsmoSGSN | Bug     | New    | Normal   | Intermittent Connection Drop  |          | 01/08/2020 10:48 PM |   |
| 3689 | OsmoSGSN | Bug     | New    | Normal   | Support Cisco GGSN (Cisco 7200 with IOS 12.4.x)                               |          | 04/09/2019 11:21 AM |   |
| 3688 | OsmoSGSN | Feature | New    | Low      | move generic gtpub code to libosmocore  |          | 04/15/2019 07:29 AM |   |
| 3224 | OsmoSGSN | Bug     | New    | Normal   | verify ciphering after UMTS AKA   |          | 01/08/2020 10:48 PM | Related to #3193,Related to #3224                       |
| 2962 | OsmoSGSN | Bug     | New    | Normal   | Missing TTCN-3 test cases   |          | 01/08/2020 10:47 PM |   |
| 2960 | OsmoSGSN | Bug     | New    | Normal   | OsmoSGSN confirms PDP CTX ACT to MS/Gb despite missing conditional IEs on GTP |          | 01/08/2020 10:48 PM |   |
| 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  |
| 2305 | OsmoSGSN | Bug     | New    | Normal   | review 'laforge/santos' branch and check if there are pending fixes           |          | 01/08/2020 10:56 PM |   |
| 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      |
| 1588 | OsmoSGSN | Feature | New    | Normal   | Inter-RAT hand-over   |          | 02/23/2016 03:46 PM |   |
| 1586 | OsmoSGSN | Feature | New    | Normal   | Implement QoS profile support   |          | 02/23/2016 03:45 PM |   |
| 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 |
| 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      |
| 33   | OsmoSGSN | Feature | New    | Low      | real LLC implementation with fragmentation and re-transmissions               |          | 11/09/2016 09:45 AM |   |



| #    | Project | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|---------|---------|--------|----------|--|----------|---------------------|-----------------------------------|
| 5117 | OsmoSDR | Bug     | New    | Normal   | Error building gr-osmosdr with libhackrf   |          | 04/15/2021 07:56 AM |                                   |
| 5047 | OsmoSDR | Feature | New    | Normal   | Inconsistencies between SDR's in bias-tee parameter  |          | 12/19/2021 01:17 PM |                                   |
| 5031 | OsmoSDR | Bug     | New    | Normal   | Please switch to gr-funcube  |          | 06/17/2021 09:23 AM |                                   |
| 6303 | OsmoPCU | Feature | New    | Low      | Convert pcuif to TLV to make backwards compatibility more feasible   |          | 02/15/2024 09:23 PM |                                   |
| 5930 | OsmoPCU | Feature | New    | Low      | handle multiple BTSs with one PCU  |          | 03/03/2023 10:47 AM |                                   |
| 5844 | OsmoPCU | Bug     | New    | Normal   | pcu: ns: ip-sns: 2 local binds with a single remote is invalid   |          | 12/22/2022 09:59 PM |                                   |
| 5834 | OsmoPCU | Feature | New    | Normal   | VTY option "two-phase-access" is misleading  |          | 12/19/2022 06:55 PM |                                   |
| 5300 | OsmoPCU | Bug     | New    | Normal   | osmo-pcu: SUSPEND-NACK not implemented   |          | 03/31/2022 02:59 PM |                                   |
| 4967 | OsmoPCU | Feature | New    | Normal   | osmo-pcu: Avoid sending new DL EGPRS blocks to MS announcing MS_OUT_OF_MEMORY  |          | 01/21/2021 02:26 PM |                                   |
| 4966 | OsmoPCU | Bug     | New    | Normal   | osmo-pcu: gprs+egprs multiplex: Allow selecting original 8-PSK dl block during retransmission for GMSK-required DL block |          | 01/26/2021 01:07 PM | Related to #4966                  |
| 4869 | OsmoPCU | Bug     | New    | Normal   | wireshark: Support dissecting LLC frames on top of RLCMAC (E)GPRS data blocks  |          | 06/26/2023 11:03 AM | Related to #5367                  |
| 4847 | OsmoPCU | Bug     | New    | Normal   | fix LLC-DISCARD behaviour  |          | 11/04/2020 02:37 AM | Related to #4847                  |
| 4846 | OsmoPCU | Feature | New    | Normal   | change RBB received block bitmap into 1s when everything was acked   |          | 11/04/2020 02:29 AM |                                   |
| 4813 | OsmoPCU | Feature | New    | Low      | FANR (Fast ACK/NACK Reporting) support   |          | 10/16/2020 08:46 AM |                                   |
| 4812 | OsmoPCU | Feature | New    | Low      | RTTI (Reduced Transmission Time Interval) Support  |          | 10/16/2020 08:43 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 |
| 4019 | OsmoPCU | Bug     | New    | Normal   | implement a command to show all informations from the bts  |          | 11/25/2020 07:33 PM |                                   |
| 4018 | OsmoPCU | Bug     | New    | Normal   | investigate ordering of includes paths   |          | 05/23/2019 10:59 AM |                                   |
| 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 |
| 2603 | OsmoPCU | Bug     | New    | Low      | Review the various incomplete and never merged changes in radisys branch   |          | 01/08/2020 10:44 PM | Related to #1775                  |
| 2405 | OsmoPCU | Feature | New    | Low      | RLC/MAC encoding routines don't use bitvec L/H   |          | 07/29/2017 09:01 AM |                                   |
| 1925 | OsmoPCU | Bug     | New    | High     | Fix padding for MCS8 transition  |          | 01/08/2020 10:31 PM |                                   |
| 1903 | OsmoPCU | Feature | New    | Low      | convert c++ -> c   |          | 03/23/2020 10:48 PM |                                   |
| 1624 | OsmoPCU | Bug     | New    | Normal   | add CRBB support to write_packet_ack_nack_desc_egprs   |          | 10/20/2020 08:37 AM |                                   |
| 1560 | OsmoPCU | Feature | New    | High     | EDGE benchmarking / performance optimization / tuning  |          | 01/08/2020 10:31 PM |                                   |
| 1555 | OsmoPCU | Feature | New    | Low      | Add support for unacknowledged RLC Mode  |          | 01/22/2020 02:59 PM |                                   |
| 1554 | OsmoPCU | Feature | New    | Normal   | per-MS BSSGP flow control  |          | 02/23/2016 03:12 PM | Related to #1554                  |
| 1550 | OsmoPCU | Bug     | New    | Normal   | Cell reselection under network control   |          | 02/23/2016 03:06 PM |                                   |

| #    | Project  | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|----------|---------|--------|----------|---|----------|---------------------|-----------------------------------|
| 1549 | OsmoPCU  | Feature | New    | Normal   | DRX support for GPRS  |          | 02/04/2017 08:11 AM | Related to #1942                  |
| 1547 | OsmoPCU  | Feature | New    | Normal   | downlink power control on PDTCH   |          | 02/23/2016 03:04 PM |                                   |
| 1546 | OsmoPCU  | Feature | New    | Low      | closed loop uplink power control  |          | 09/30/2020 08:05 PM |                                   |
| 1543 | OsmoPCU  | Feature | New    | Normal   | link/rate adaption as per spec  |          | 01/08/2020 10:43 PM | Related to #1543,Related to #1543 |
| 1537 | OsmoPCU  | Feature | New    | Low      | Move the BSSGP handling to libsmocore   |          | 03/01/2018 11:17 PM | Related to #1537,Related to #2388 |
| 1530 | OsmoPCU  | Feature | New    | Low      | Assign same TFI number in downlink/uplink   |          | 01/26/2020 08:50 AM |                                   |
| 4642 | OsmoNITB | Bug     | New    | Low      | Attempting to set illegal id for FSM instance of type 'OM2000-MO'                                       |          | 07/03/2020 06:40 PM |                                   |
| 2438 | OsmoNITB | Bug     | New    | Normal   | MS not registered from osmocom PoV, but registered from ofono PoV                                       |          | 08/14/2017 09:36 AM |                                   |
| 2414 | OsmoNITB | Bug     | New    | Normal   | SMSC: deliverSM message with no user_message_reference  |          | 08/15/2017 05:53 PM | Related to #2413,Related to #2414 |
| 1955 | OsmoNITB | Bug     | New    | Normal   | Investigate "Bad signalling message" error  |          | 03/05/2018 07:33 PM |                                   |
| 1904 | OsmoNITB | Bug     | New    | Normal   | get rid of deprecated functions   |          | 03/05/2018 07:33 PM |                                   |
| 1829 | OsmoNITB | Bug     | New    | Normal   | Fix warnings introduced by ctrl constify  |          | 03/05/2018 07:34 PM |                                   |
| 1812 | OsmoNITB | Feature | New    | Normal   | Report gsm0408_dispatch() failures to MS / UE   |          | 01/08/2020 10:56 PM |                                   |
| 1667 | OsmoNITB | Feature | New    | Normal   | Handle callref better   |          | 09/04/2019 09:31 AM | Related to #3294                  |
| 72   | OsmoNITB | Bug     | New    | Low      | struct gsm_call can leak..  |          | 05/09/2016 07:37 PM |                                   |
| 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 |                                   |
| 54   | OsmoNITB | Bug     | New    | Normal   | osmo-nitb keeps rtp-proxy socket open in case no DLCX_IND is sent                                       |          | 03/05/2018 07:34 PM |                                   |
| 48   | OsmoNITB | Bug     | New    | Normal   | Periodic timer and paging   |          | 03/05/2018 07:34 PM |                                   |
| 38   | OsmoNITB | Bug     | New    | Normal   | subscr_update should sync database before dispatching the signal  |          | 03/05/2018 07:34 PM |                                   |
| 37   | OsmoNITB | Bug     | New    | Normal   | RTP Proxy dealing with SSRC change and sequence numbers   |          | 03/05/2018 07:34 PM |                                   |
| 28   | OsmoNITB | Bug     | New    | Low      | Old siemens phones cannot make voice calls (04.08 channel mode)   |          | 03/05/2018 07:36 PM |                                   |
| 21   | OsmoNITB | Bug     | New    | Low      | we don't see CHANNEL ReQireD from motorola EZX phones at call setup                                     |          | 03/05/2018 07:36 PM |                                   |
| 18   | OsmoNITB | Feature | New    | Low      | store last location identity to database  |          | 05/24/2018 01:15 PM |                                   |
| 6427 | OsmoMSC  | Bug     | New    | Normal   | ttn3-msc-test: TC_mo_ussd_for_unknown_trans fails sporadically  |          | 04/02/2024 03:01 PM | Related to #6427                  |
| 6330 | OsmoMSC  | Bug     | New    | Normal   | Incorrect handling of V.120 data calls  |          | 01/18/2024 03:02 PM | Related to #6344                  |
| 6321 | OsmoMSC  | Bug     | New    | Low      | SMS not delivered from corrupted SMS database   |          | 01/02/2024 01:07 PM |                                   |
| 6009 | OsmoMSC  | Bug     | New    | Normal   | omo-msc: lots of tlv_parse() calls in src/libmsc/gsm_04_08.c have no return code checked for errors     |          | 04/19/2023 03:19 PM |                                   |

| #    | Project | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                     |
|------|---------|---------|--------|----------|--|----------|---------------------|------------------------------------|
| 6000 | OsmoMSC | Feature | New    | Normal   | Allow emergency calls without IMSI (using IMEI as MI)  |          | 04/12/2023 11:03 AM | Related to #6000                   |
| 5780 | OsmoMSC | Feature | New    | Normal   | Implement/Support UUS1   |          | 01/24/2023 10:48 AM |                                    |
| 5699 | OsmoMSC | Bug     | New    | Normal   | MNCC_RTP_CREATE is not sent in a call waiting scenario   |          | 10/10/2022 06:46 PM |                                    |
| 4983 | OsmoMSC | Feature | New    | Low      | PERFORM LOCATION REQUEST / RESPONSE  |          | 01/28/2021 11:44 AM |                                    |
| 4982 | OsmoMSC | Feature | New    | Low      | Support for BSSMAP RESOURCE INDICATION   |          | 01/27/2021 03:01 PM | Related to #4982                   |
| 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 |
| 4972 | OsmoMSC | Bug     | New    | Normal   | manual: the MNCC protocol is outdated (RTP)  |          | 01/24/2021 05:58 PM |                                    |
| 4863 | OsmoMSC | Bug     | New    | Low      | T3212 is unclear in config/vty   |          | 11/19/2020 06:10 PM |                                    |
| 4764 | OsmoMSC | Bug     | New    | Normal   | make sure Assignment times out, always   |          | 09/23/2020 02:08 PM |                                    |
| 4717 | OsmoMSC | Feature | New    | Normal   | support Handover with changing codec   |          | 08/18/2020 05:14 PM | Related to #4717                   |
| 4691 | OsmoMSC | Bug     | New    | Low      | setfault in osmo_sockaddr_str_is_set() via call_leg_ensure_ci()                                    |          | 02/06/2021 09:47 AM |                                    |
| 4660 | OsmoMSC | Bug     | New    | Normal   | GSM AUTH failure: mismatching sres - with module TRM-5 ext   |          | 07/12/2020 08:01 PM |                                    |
| 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 |                                    |
| 4633 | OsmoMSC | Feature | New    | Normal   | update the Cell ID in the VLR after an inter-BSC / inter-MSC handover                              |          | 06/24/2020 12:40 PM |                                    |
| 4632 | OsmoMSC | Feature | New    | Normal   | update the cell id in the VLR when receiving BSSMAP HANDOVER PERFORMED from the BSC                |          | 06/24/2020 12:35 PM | Related to #4632                   |
| 4612 | OsmoMSC | Support | New    | Normal   | test handover on non-voice call conn (no CC transaction present)                                   |          | 06/14/2020 12:21 PM |                                    |
| 4557 | OsmoMSC | Bug     | New    | Normal   | normal BSSMAP Clear Command from MSC contains cause == 0 meaning "Radio interface message failure" |          | 05/20/2020 07:17 PM |                                    |
| 4451 | OsmoMSC | Bug     | New    | Normal   | vty 'show stats level': different stats levels yield identical results                             |          | 03/09/2020 10:10 PM |                                    |
| 4374 | OsmoMSC | Feature | New    | Normal   | send GSUP PurgeMS Request (CN-Domain = CS) to the HLR upon IMSI-Detach                             |          | 01/23/2020 03:19 AM |                                    |
| 4337 | OsmoMSC | Bug     | New    | Normal   | osmo-msc: Don't send LU-Reject after LU-Accept if no TMSI Realloc Complete is received             |          | 01/07/2021 06:22 PM | Related to #4337                   |
| 4336 | OsmoMSC | Feature | New    | Normal   | Convert vlr_lu_fsm.c to use osmo_tdef (and drop vlr_timer())                                       |          | 01/02/2020 05:32 PM | Related to #4337                   |
| 4196 | OsmoMSC | Feature | New    | Normal   | CC Setup, Call Confirmed: decode and use the Supported Codec List IE                               |          | 09/25/2019 05:27 PM |                                    |
| 4017 | OsmoMSC | Bug     | New    | Normal   | MSC fails to handle calls  |          | 05/29/2019 04:56 PM |                                    |
| 3992 | OsmoMSC | Bug     | New    | Normal   | inter-MSC handover for signalling-only?  |          | 05/09/2019 11:39 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 |                                    |
| 3880 | OsmoMSC | Bug     | New    | Normal   | GSUP MT-ForwardSM Message Reference - wrong value in a response                                    |          | 04/01/2019 07:47 AM |                                    |

| #    | Project | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|---------|---------|--------|----------|--|----------|---------------------|-----------------------------------|
| 3829 | OsmoMSC | Bug     | New    | Normal   | osmo-msc expects aoip TLV in Assignment Complete messages from BSC                                 |          | 03/07/2019 08:30 PM |                                   |
| 3755 | OsmoMSC | Feature | New    | Low      | make retrieval of IMEISV configurable  |          | 05/07/2019 12:28 PM | Related to #3755                  |
| 3738 | OsmoMSC | Feature | New    | Normal   | Clarify PS-part of struct vlr_subscr   |          | 12/19/2018 12:34 PM |                                   |
| 3687 | OsmoMSC | Feature | New    | Normal   | Expand "show bsc" command  |          | 11/11/2018 09:50 PM |                                   |
| 3648 | OsmoMSC | Feature | New    | Low      | persistent VLR (across re-starts of osmo-msc / across power outage)                                |          | 05/17/2022 05:39 PM | Related to #3649                  |
| 3470 | OsmoMSC | Feature | New    | Low      | Allow sending "Emergency Number List IE" in LU ACCEPT  |          | 09/01/2018 08:18 PM | Related to #3470                  |
| 3469 | OsmoMSC | Feature | New    | Low      | Support for "service category" in emergency calls  |          | 08/24/2018 12:48 PM | Related to #3470                  |
| 3169 | OsmoMSC | Bug     | New    | Low      | OsmoMSC rejects SMPP messages with empty SMS   |          | 01/08/2020 10:56 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 |                                   |
| 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                  |
| 2928 | OsmoMSC | Bug     | New    | Normal   | OsmoMSC doesn't do BSSMAP ASSIGNMENT if no MNCC_RTP_CREATE is received                             |          | 02/11/2018 05:38 PM |                                   |
| 2916 | OsmoMSC | Bug     | New    | Normal   | asan failure on debian unstable in msc_vlr_test_gsm_ciph   |          | 02/09/2018 04:20 PM |                                   |
| 2884 | OsmoMSC | Bug     | New    | Low      | Call Control timers are very long and not configurable   |          | 01/08/2020 10:56 PM |                                   |
| 2883 | OsmoMSC | Bug     | New    | Normal   | GSUP encoding of MSISDN is wrong   |          | 10/20/2020 08:41 AM | Related to #4324,Related to #4333 |
| 2878 | OsmoMSC | Feature | New    | Low      | OsmoMSC support for "Follow-on request/proceed"  |          | 01/26/2018 09:11 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 |
| 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                  |
| 2391 | OsmoMSC | Feature | New    | Low      | add osmocomb specific TLVs to A-interface for BTS/TS and subscriber details                        |          | 10/02/2018 03:40 PM |                                   |
| 2390 | OsmoMSC | Feature | New    | Normal   | re-add osmocomb specific TLVs to SMPP messages   |          | 12/23/2017 05:48 PM |                                   |
| 2373 | OsmoMSC | Bug     | New    | Low      | SMS sent to old Nokia 1100: "message 0x332/1" causes CP-ERROR, and SMS is received 5 or more times |          | 08/03/2018 05:22 PM |                                   |
| 2191 | OsmoMSC | Feature | New    | Normal   | raw PDU mode for SMPP  |          | 12/23/2017 05:48 PM |                                   |
| 1974 | OsmoMSC | Feature | New    | Low      | VLR: high water mark on subscriber storage   |          | 05/15/2022 01:45 PM | Related to #1973                  |
| 1973 | OsmoMSC | Feature | New    | Low      | VLR: efficient subscriber lookup   |          | 07/18/2019 06:15 AM | Related to #1973                  |
| 1603 | OsmoMSC | Feature | New    | Low      | Interfacing the MSC with other networks: Roaming interfaces / MAP                                  |          | 07/18/2019 06:13 AM |                                   |

| #    | Project | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues  |
|------|---------|---------|--------|----------|---|----------|---------------------|---|
| 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 |
| 41   | OsmoMSC | Bug     | New    | Normal   | Numbering Plan in OsmoMSC   |          | 06/23/2018 07:37 PM |   |
| 25   | OsmoMSC | Feature | New    | Low      | Call HOLD / RETRIEVE support for internal MNCC  |          | 08/01/2019 03:06 PM |   |
| 6297 | OsmoMGW | Bug     | New    | Normal   | octet-align=0 is the RFC 6871 specified default to use when omitted; but osmo-mgw assumes don't-care when omitted                               |          | 12/12/2023 02:12 AM | Is duplicate of #5726   |
| 6293 | OsmoMGW | Bug     | New    | Normal   | osmo-mgw "decides" for a codec during MGCP handling; instead it should handle all configured payload type numbers as they arrive in RTP         |          | 12/07/2023 05:52 AM | Related to #6293,Related to #6293,Blocks #6136                      |
| 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   |
| 5468 | OsmoMGW | Feature | New    | Normal   | osmo-mgw: 2g<->3g call support  |          | 06/03/2022 10:39 AM | Related to #5468,Related to #5468,Related to #5468                  |
| 5313 | OsmoMGW | Bug     | New    | Normal   | libosmo-mgcp-client-dbg specific package not generated for debian   |          | 11/16/2021 03:57 PM |   |
| 4745 | OsmoMGW | Bug     | New    | Low      | osmo-mgw: Wrong IP address returned in SDP "o=" section   |          | 10/05/2022 11:00 AM |   |
| 4554 | OsmoMGW | Bug     | New    | Normal   | Clean up stale endpoints after OsmoBSC crash  |          | 05/16/2020 08:52 PM |   |
| 4552 | OsmoMGW | Bug     | New    | Normal   | ip-probing issue with BTS connection - no rebinding to a correct IP address   |          | 05/14/2020 11:18 PM |   |
| 4551 | OsmoMGW | Feature | New    | Normal   | Dynamic/runtime allocation of new endpoints   |          | 05/14/2020 10:56 PM |   |
| 4432 | OsmoMGW | Bug     | New    | Normal   | for 'domain *', mgw should echo the domain of the MGCP client   |          | 03/04/2020 12:39 AM |   |
| 4153 | OsmoMGW | Bug     | New    | Normal   | 3G voice broken with ALu 9361 femto   |          | 04/25/2022 05:43 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 |   |
| 3980 | OsmoMGW | Bug     | New    | Normal   | Clear Command before CRCX OK may leak MGW endpoint  |          | 05/06/2019 10:11 PM |   |
| 3849 | OsmoMGW | Bug     | New    | Normal   | race condition problem in rtp flow tests of the ttcn3 testsuite   |          | 09/04/2019 09:26 AM |   |
| 3822 | OsmoMGW | Bug     | New    | Low      | conn mode "sendonly" behaves identically to "sendrecv"  |          | 03/04/2019 09:34 PM |   |
| 3731 | OsmoMGW | Bug     | New    | Normal   | TTCN3 TC_rtpem_selftest randomly fails  |          | 01/08/2020 10:18 PM |   |
| 3443 | OsmoMGW | Bug     | New    | Low      | Check audio-payload options in osmo-mgw VTY   |          | 03/15/2020 08:43 AM |   |
| 3442 | OsmoMGW | Bug     | New    | Normal   | fix int mgcp_codec_decide() in mgcp_codec.c   |          | 09/04/2019 09:26 AM |   |
| 3207 | OsmoMGW | Feature | New    | Low      | Support for RTP Payload Format according to "ETSI TS 101 318"   |          | 04/24/2018 03:53 PM |   |
| 2702 | OsmoMGW | Feature | New    | Low      | libosmo-mgcp doesn't use osmo_sock_ API   |          | 12/03/2017 09:42 AM |   |
| 2651 | OsmoMGW | Feature | New    | Low      | Support MGCP Piggybacking   |          | 11/18/2017 05:44 PM |   |

| #    | Project   | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|-----------|---------|--------|----------|--|----------|---------------------|-----------------------------------|
| 2650 | OsmoMGW   | Bug     | New    | Normal   | how can osmo-mgw send a dummy RTP packet before CRCX ACK?  |          | 06/08/2020 07:08 PM | Related to #4005                  |
| 2580 | OsmoMGW   | Feature | New    | Low      | implement timeout/resend mechanism for mgcp_client   |          | 09/04/2019 09:26 AM |                                   |
| 2546 | OsmoMGW   | Feature | New    | Low      | support play-out/announcement endpoint type  |          | 10/06/2017 12:30 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 |                                   |
| 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 |                                   |
| 6395 | OsmoHNBGW | Feature | New    | Low      | PFCP URR support in osmo-hnbgw   |          | 03/22/2024 08:08 AM | Related to #6395                  |
| 6380 | OsmoHNBGW | Bug     | New    | Normal   | VTY transcript tests are broken [again]  |          | 02/28/2024 06:57 PM |                                   |
| 6285 | OsmoHNBGW | Feature | New    | Low      | IUFP needs not CRCX in loopback mode   |          | 12/04/2023 03:58 AM |                                   |
| 6283 | OsmoHNBGW | Bug     | New    | Normal   | cnpool: hnbgw fails to extract Mobile Identity from some GMM Attach Request messages   |          | 12/04/2023 01:48 AM |                                   |
| 5869 | OsmoHNBGW | Bug     | New    | Normal   | osmo-hnbgw ignores HNBAP HNB De-Register   |          | 01/21/2023 01:52 AM |                                   |
| 5867 | OsmoHNBGW | Feature | New    | Normal   | HNBGW_Tests.ttcn should do HNBAP UE Register and De-Register tests   |          | 01/21/2023 02:30 AM |                                   |
| 5837 | OsmoHNBGW | Bug     | New    | Normal   | osmo-juh: UE-REGISTER-REQ with uE_Identity type IMEI not implemented.  |          | 12/20/2022 03:43 PM |                                   |
| 5816 | OsmoHNBGW | Feature | New    | Low      | Picocells available in R.U   |          | 03/09/2024 07:09 PM |                                   |
| 5813 | OsmoHNBGW | Feature | New    | Low      | Alcatel-Lucent femtocells available in Europe  |          | 03/09/2024 07:09 PM |                                   |
| 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 |
| 5573 | OsmoHNBGW | Bug     | New    | Normal   | osmo-hnbgw: RANAP LocationReportingControl not implemented   |          | 05/30/2022 02:05 PM |                                   |
| 5304 | OsmoHNBGW | Bug     | New    | Low      | Verizon CDMA femtocell   |          | 03/09/2024 07:09 PM |                                   |
| 4933 | OsmoHNBGW | Bug     | New    | Low      | Femtocell choice in U.K 2021/01  |          | 03/09/2024 07:09 PM |                                   |
| 4926 | OsmoHNBGW | Bug     | New    | Normal   | nano3G disconnect / reconnect cycle with SCTP multi-homing   |          | 01/04/2021 11:38 AM | Related to #4926                  |
| 4882 | OsmoHNBGW | Feature | New    | Low      | HSPA+ Picocell available in U.S  |          | 03/09/2024 07:08 PM |                                   |
| 4790 | OsmoHNBGW | Feature | New    | Low      | Vodafone HSPA+ femtocell available in Deutschland  |          | 03/09/2024 07:08 PM |                                   |
| 4574 | OsmoHNBGW | Feature | New    | Low      | Femtocell choice in 2020/06  |          | 03/09/2024 07:09 PM |                                   |
| 4158 | OsmoHNBGW | Bug     | New    | Normal   | segfault when paging, in a situation with duplicate CID in hnb register requests   |          | 05/13/2021 12:01 PM | Related to #4162                  |
| 4128 | OsmoHNBGW | Feature | New    | Low      | Add support of Huawei hNodeB protocol  |          | 07/24/2019 03:39 PM |                                   |
| 3820 | OsmoHNBGW | Bug     | New    | Normal   | osmo-hnbgw does not properly do RANAP RESET and RESET ACK on the link towards MSC and SGSN   |          | 05/13/2021 12:01 PM | Related to #3944                  |

| #    | Project       | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                                     |
|------|---------------|---------|--------|----------|---|----------|---------------------|--|
| 2437 | OsmoHNBGW     | Bug     | New    | Low      | synchronize different asn1c APER forks                                    |          | 01/08/2020 10:56 PM | Related to #2435,Related to #2436,Related to #3862 |
| 2436 | OsmoHNBGW     | Feature | New    | Low      | Test cases for asn1c APER encoding  |          | 01/08/2020 10:56 PM | Related to #2435,Related to #2436,Related to #3862 |
| 2435 | OsmoHNBGW     | Bug     | New    | Low      | Osmocom asn1c/libasn1c is based on old fork                               |          | 12/21/2022 01:54 PM | Related to #2435,Related to #2435,Related to #3862 |
| 1997 | OsmoHNBGW     | Feature | New    | Normal   | Improve error check at compilation time                                   |          | 10/21/2021 04:28 PM |  |
| 6312 | OsmoHLR       | Bug     | New    | Normal   | Querying HLR for MSISDN-to-IMSI mapping is too cumbersome and inefficient |          | 12/21/2023 06:52 AM | Related to #6312                                   |
| 5865 | OsmoHLR       | Feature | New    | Low      | Automate selection of LU Reject Cause                                     |          | 02/16/2023 10:36 AM |  |
| 5183 | OsmoHLR       | Feature | New    | Low      | EIR functionality   |          | 06/16/2021 06:22 AM | Related to #5183                                   |
| 4588 | OsmoHLR       | Feature | New    | Low      | OsmoHLR doesn't appear to have any statistics / counters                  |          | 06/06/2020 09:44 AM |  |
| 4491 | OsmoHLR       | Bug     | New    | Low      | Cancel in old VLR/SGSN, if new VLR/SGSN differs from old                  |          | 04/15/2020 12:29 PM |  |
| 4312 | OsmoHLR       | Bug     | New    | High     | GSUP keepalives / connection loss detection                               |          | 10/12/2020 02:42 PM |  |
| 4303 | OsmoHLR       | Bug     | New    | Low      | various minor issues about evaluation of rc = db_subscr_get_by_*          |          | 12/03/2019 11:02 PM |  |
| 3732 | OsmoHLR       | Feature | New    | Low      | Support tacdb query in HLR  |          | 07/18/2019 06:12 AM | Related to #3732                                   |
| 3649 | OsmoHLR       | Feature | New    | Low      | Investigate LMDB as HLR data storage                                      |          | 10/12/2018 11:35 AM | Related to #3649                                   |
| 3019 | OsmoHLR       | Feature | New    | Low      | add config for number of auth tuples returned                             |          | 06/23/2018 06:58 PM |  |
| 2567 | OsmoHLR       | Feature | New    | Low      | tell the MSC(s) when subscriber data has changed                          |          | 10/11/2017 01:50 AM |  |
| 1643 | OsmoHLR       | Feature | New    | Low      | programmatic access to new asynchronous external HLR                      |          | 12/10/2017 08:06 PM | Related to #1643,Blocks #1643                      |
| 6126 | OsmoGSMTester | Bug     | New    | Normal   | osmo-gsm-tester docker container uses debian 10                           |          | 08/01/2023 09:49 AM | Related to #6126                                   |
| 5838 | OsmoGSMTester | Feature | New    | Normal   | Implement power switching for all BTSs                                    |          | 12/20/2022 05:30 PM |  |
| 4900 | OsmoGSMTester | Feature | New    | Low      | hardware and wiring verification / selftest                               |          | 12/08/2020 11:03 AM |  |
| 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                                   |
| 3917 | OsmoGSMTester | Bug     | New    | Normal   | ofono: update debian packages to match our dependencies                   |          | 04/06/2020 11:30 AM |  |
| 3676 | OsmoGSMTester | Bug     | New    | Normal   | ofono: org.ofono.ConnectionManager property Bearer returning "none"       |          | 06/09/2020 08:39 PM |  |
| 3564 | OsmoGSMTester | Feature | New    | Normal   | Investigate ofono and modems Cell Broadcast support                       |          | 01/08/2020 10:42 PM | Related to #3564                                   |
| 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 |  |

| #    | Project       | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|---------------|---------|--------|----------|---|----------|---------------------|------------------|
| 2861 | OsmoGSMTester | Feature | New    | Normal   | osmo-gsm-tester: Add 3g support for sysmocell-5k                                      |          | 12/02/2019 01:36 PM | Related to #2860 |
| 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 |
| 2707 | OsmoGSMTester | Feature | New    | Normal   | Add support for verifying content of log files after test is run                      |          | 12/04/2017 05:05 PM |                  |
| 2646 | OsmoGSMTester | Feature | New    | Normal   | osmo-gsm-tester: Add osmo-sip-connector support                                       |          | 04/23/2018 10:40 AM |                  |
| 2621 | OsmoGSMTester | Bug     | New    | Normal   | Gobi2000: might stopped working because all CID got assigned                          |          | 01/08/2020 10:40 PM |                  |
| 2615 | OsmoGSMTester | Bug     | New    | Normal   | Add API to check GPS lock in BTS  |          | 11/03/2017 05:00 PM |                  |
| 2612 | OsmoGSMTester | Feature | New    | Low      | Allow skipping pcaps by configuration if access to tcpdump is not wanted              |          | 04/06/2020 11:25 AM |                  |
| 2504 | OsmoGSMTester | Support | New    | Normal   | check whether running osmo-* from docker images is feasible on osmo-gsm-tester        |          | 04/06/2020 11:28 AM |                  |
| 2468 | OsmoGSMTester | Feature | New    | Low      | ofono: gobi modem doesn't support ofono SupplementaryServices interface               |          | 01/08/2020 10:51 PM |                  |
| 2432 | OsmoGSMTester | Feature | New    | Low      | ofono: Find out how to receive Status / Delivery report                               |          | 01/08/2020 10:51 PM |                  |
| 2431 | OsmoGSMTester | Bug     | New    | Normal   | osmo-gsm-tester: add test case: MS sends SMS to ESME                                  |          | 08/10/2017 03:47 PM |                  |
| 2399 | OsmoGSMTester | Feature | New    | Normal   | add tests for graceful restart of individual components                               |          | 07/25/2017 12:02 AM |                  |
| 2374 | OsmoGSMTester | Feature | New    | Normal   | osmo-gsm-tester: add test case: sms between MS with delivery report                   |          | 08/10/2017 04:37 PM |                  |
| 2318 | OsmoGSMTester | Feature | New    | Normal   | testing sysmobts: skip copying of binaries when the same are already installed        |          | 06/07/2017 03:55 PM |                  |
| 2314 | OsmoGSMTester | Feature | New    | Normal   | osmo-gsm-tester: add test case: smpp: correct ESME routing                            |          | 05/31/2017 04:29 PM |                  |
| 2313 | OsmoGSMTester | Feature | New    | Normal   | osmo-gsm-tester: add test case: smpp: imsi extension                                  |          | 05/31/2017 04:27 PM |                  |
| 2311 | OsmoGSMTester | Feature | New    | Normal   | osmo-gsm-tester: add test case: smpp: smpp_first feature                              |          | 05/31/2017 04:21 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 |                  |
| 2287 | OsmoGSMTester | Feature | New    | Low      | processes launched by gsmtester: store command lines called next to stdout and stderr |          | 05/23/2017 12:11 PM |                  |
| 2271 | OsmoGSMTester | Feature | New    | Low      | add test names to pick to the -s cmdline option                                       |          | 05/18/2017 12:32 PM |                  |
| 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 |                  |
| 2245 | OsmoGSMTester | Bug     | New    | Low      | osmo-bts cfg: fix band string   |          | 05/15/2017 12:58 PM | Related to #2230 |
| 2236 | OsmoGSMTester | Bug     | New    | Low      | ofono: Fix valgrind issues  |          | 01/08/2020 10:51 PM |                  |
| 2230 | OsmoGSMTester | Feature | New    | Normal   | osmo-gsm-tester: arfcn as resource  |          | 12/14/2017 04:08 PM | Related to #2230 |
| 2225 | OsmoGSMTester | Feature | New    | Low      | tester nitb: connect ctrl interface only once   |          | 05/15/2017 12:58 PM |                  |
| 2209 | OsmoGSMTester | Feature | New    | Low      | osmo-gsm-tester: add test API to explicitly free a resource                           |          | 05/19/2017 11:01 AM | Related to #2208 |
| 2208 | OsmoGSMTester | Feature | New    | Low      | osmo-gsm-tester: allow running binaries for a whole suite, or only for a single test  |          | 05/30/2017 01:07 PM | Related to #2208 |
| 2200 | OsmoGSMTester | Feature | New    | Low      | osmo-gsm-tester: allow collecting statistics / KPI of a test case                     |          | 04/06/2020 04:57 PM | Related to #2201 |



| #    | Project                    | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|----------------------------|---------|--------|----------|---|----------|---------------------|-----------------------------------|
| 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 |                                   |
| 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 |                                   |
| 6419 | OsmoGGSN (former OpenGGSN) | Bug     | New    | Low      | osmo-ggsn removes tun devices it did not create   |          | 03/26/2024 11:26 AM |                                   |
| 6298 | OsmoGGSN (former OpenGGSN) | Feature | New    | Normal   | osmo-ggsn not providing MTU of the GTP tunnel to the MS   |          | 02/15/2024 10:30 PM | Related to #6298                  |
| 6106 | OsmoGGSN (former OpenGGSN) | Bug     | New    | Normal   | OsmoGGSN attempts to use the same GTP-U socket for all APNs with gtpu-mode kernel-gtp             |          | 02/21/2024 10:31 AM | Related to #6106,Related to #6106 |
| 5773 | OsmoGGSN (former OpenGGSN) | Bug     | New    | Normal   | OsmoGGSN sends Direct Tunnel packets to the wrong IP address                                      |          | 11/17/2022 04:17 AM |                                   |
| 5449 | OsmoGGSN (former OpenGGSN) | Bug     | New    | Low      | osmo-ggsn: Accept IPv4v6 EUA pdp creation in APv4/v6-only APNs by answering with changed PDP Type |          | 04/04/2023 09:46 AM |                                   |
| 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                  |
| 4749 | OsmoGGSN (former OpenGGSN) | Bug     | New    | Normal   | Unknown/Unimplemented PCO Protocol  |          | 02/09/2022 01:26 PM |                                   |
| 4433 | OsmoGGSN (former OpenGGSN) | Feature | New    | Normal   | sgsnemu: Add support for IPv4v6 EUAs  |          | 03/04/2020 10:44 AM |                                   |
| 4415 | OsmoGGSN (former OpenGGSN) | Feature | New    | Normal   | Document in OsmoGGSN User Manual the IPv6 allocation process over GTP                             |          | 02/25/2020 03:05 PM |                                   |
| 4172 | OsmoGGSN (former OpenGGSN) | Bug     | New    | Normal   | osmoggsn crashes when stopping  |          | 08/29/2019 11:35 AM |                                   |
| 4033 | OsmoGGSN (former OpenGGSN) | Feature | New    | Normal   | ttn3-ggsn-test: Add tests to verify secondary pdp context management                              |          | 05/30/2019 03:19 PM |                                   |
| 2494 | OsmoGGSN (former OpenGGSN) | Feature | New    | Low      | IPv6 support on the outer (transport) layer   |          | 02/06/2021 12:09 PM |                                   |
| 6255 | OsmoDia2GSUP               | Bug     | New    | Normal   | Implement 3GPP Purge UE Request   |          | 11/10/2023 01:29 PM |                                   |
| 4596 | OsmocomTETRA               | Feature | New    | Normal   | Port to GR3.8   |          | 01/08/2021 05:23 PM |                                   |
| 1897 | OsmocomTETRA               | Bug     | New    | Low      | Inefficient sequence search in tetra_find_train_seq   |          | 04/10/2017 01:04 AM |                                   |
| 5396 | OsmocomDECT                | Bug     | New    | High     | TcpDump/WireShark will not build with libpcap(dect)   |          | 01/09/2022 12:57 PM |                                   |
| 5395 | OsmocomDECT                | Feature | New    | Normal   | Support for LMX3161   |          | 01/09/2022 12:55 PM |                                   |
| 5394 | OsmocomDECT                | Bug     | New    | High     | Kernel Oops when loading com_on_air_cs (unable to handle kernel NULL pointer dereference)         |          | 01/09/2022 12:54 PM |                                   |
| 5393 | OsmocomDECT                | Bug     | New    | High     | tipc problems while building on Ubuntu  |          | 01/09/2022 12:48 PM |                                   |
| 5392 | OsmocomDECT                | Bug     | New    | High     | Sliding collision errors  |          | 01/09/2022 12:44 PM |                                   |
| 5389 | OsmocomDECT                | Bug     | New    | Low      | Namespace clashes between kernel and userspace  |          | 01/09/2022 12:30 PM |                                   |

| #    | Project           | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|-------------------|---------|--------|----------|---|----------|---------------------|-----------------------------------|
| 5388 | OsmocomDECT       | Bug     | New    | Low      | {MM-INFO-SUGGEST} message not sent with ext bit set to 0                                    |          | 01/09/2022 12:28 PM |                                   |
| 6372 | OsmocomBB SDR PHY | Bug     | New    | Normal   | Cant connect to BS using cell_log and mobile  |          | 02/22/2024 07:13 AM |                                   |
| 6348 | OsmocomBB         | Feature | New    | Normal   | virtphy: add Circuit Switched Data (CSD) support  |          | 01/26/2024 10:03 PM | Related to #6348                  |
| 6347 | OsmocomBB         | Feature | New    | Normal   | mobile: support data calls @ 300 bps and 1200/75 bps (TCH/[FH]2.4)                          |          | 01/26/2024 09:54 PM | Related to #6347                  |
| 6346 | OsmocomBB         | Feature | New    | Normal   | mobile: support data calls @ 14400 bps (TCH/F14.4)  |          | 01/26/2024 10:03 PM | Related to #6346,Related to #6346 |
| 6337 | OsmocomBB         | Bug     | New    | High     | bad fr audio with gapk/ms-sdr   |          | 01/22/2024 09:21 PM | Related to #6337                  |
| 6201 | OsmocomBB         | Bug     | New    | Normal   | modem: signal proper MS Radio Access Capability   |          | 10/04/2023 12:34 PM | Related to #6201                  |
| 5822 | OsmocomBB         | Bug     | New    | Normal   | SE K2x0i: missing RF and AFC params   |          | 12/15/2022 11:36 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                  |
| 5505 | OsmocomBB         | Feature | New    | Normal   | GPRS mobility (cell change) support   |          | 07/01/2022 06:24 AM | Related to #5505                  |
| 5504 | OsmocomBB         | Feature | New    | Normal   | GSM/GPRS coordination (RR/GRR)  |          | 05/23/2023 12:31 PM | Related to #5504                  |
| 5305 | OsmocomBB         | Bug     | New    | Normal   | Burst capture   |          | 11/10/2021 06:38 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 |                                   |
| 4581 | OsmocomBB         | Support | New    | Normal   | compiler error assert.h no such file  |          | 06/05/2020 09:54 AM |                                   |
| 4471 | OsmocomBB         | Support | New    | Normal   | Received FTMT00L from phone, ramloader has aborted  |          | 03/29/2020 11:18 AM |                                   |
| 4418 | OsmocomBB         | Feature | New    | Normal   | test-sim: support all libosmocore algorithms (comp128 v1, v2, v3; MILENAGE)                 |          | 02/26/2020 11:41 PM |                                   |
| 3653 | OsmocomBB         | Bug     | New    | Normal   | FACCH/H sometimes not received by BTS with osmocomBB+motorolaCXX                            |          | 10/22/2018 02:37 PM | Related to #5518                  |
| 3652 | OsmocomBB         | Bug     | New    | Normal   | Incorrect IMEISV setting in mobile application  |          | 10/12/2018 08:20 PM |                                   |
| 3629 | OsmocomBB         | Bug     | New    | Normal   | mobile aborting after 'test re-selection 1' on vty  |          | 10/04/2018 02:58 PM |                                   |
| 3401 | OsmocomBB         | Bug     | New    | Normal   | target/firmware/l1ctl: both chan_nr and link_id are not set for L1CTL_DATA_CONF             |          | 07/16/2018 11:56 PM |                                   |
| 3387 | OsmocomBB         | Feature | New    | Low      | osmocon: Use libosmocore logging system   |          | 10/05/2018 04:21 PM |                                   |
| 3280 | OsmocomBB         | Feature | New    | Low      | Multiparty SS support in OsmocomBB  |          | 05/22/2018 07:40 AM |                                   |
| 2995 | OsmocomBB         | Bug     | New    | Normal   | Wrong parsing of PAGING TYPE 3  |          | 02/24/2018 11:03 PM | Related to #2994                  |
| 2913 | OsmocomBB         | Feature | New    | Low      | Add a tool that decodes Cell Broadcasts (SMSCB)   |          | 09/29/2018 09:31 AM | Related to #3564                  |
| 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 |                                   |

| #    | Project  | Tracker | Status | Priority  | Subject   | Assignee | Updated             | Related issues                    |
|------|--|---------|--------|-----------|---|----------|---------------------|-----------------------------------|
| 2694 | OsmocomBB  | Bug     | New    | Normal    | SIGSEGV in lapdm code   |          | 11/30/2017 08:45 AM | Related to #2694                  |
| 2690 | OsmocomBB  | Bug     | New    | Normal    | ASAN issue on shutdown/no shutdown SYSINFO access                                     |          | 11/29/2017 09:33 AM |                                   |
| 2379 | OsmocomBB  | Feature | New    | Normal    | package as .deb   |          | 02/27/2020 02:39 PM |                                   |
| 2378 | OsmocomBB  | Feature | New    | Normal    | Remove copy-pasted libsmocore ("git subtree") from osmocom-bb.git                     |          | 10/24/2018 02:13 PM |                                   |
| 1916 | OsmocomBB  | Bug     | New    | Normal    | building GNU ARM toolchain with gcc-4.8 fails on modern texinfo                       |          | 10/16/2017 02:14 PM |                                   |
| 1462 | OsmocomBB  | Bug     | New    | High      | ../src/utlis.c:182:7: error: only weak aliases are supported in this configuration    |          | 02/21/2016 04:48 PM |                                   |
| 5683 | Osmocom Libraries                                      | Bug     | New    | Immediate | How to install osmocom in China   |          | 09/18/2022 10:18 AM |                                   |
| 5644 | Osmocom Libraries                                      | Bug     | New    | Normal    | Check library pkg-config files for proper dependencies                                |          | 08/10/2022 01:02 PM | Related to #5644                  |
| 3201 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Bug     | New    | Normal    | OsmoDevCon: Add one more rectangular table  |          | 04/23/2018 07:00 PM |                                   |
| 3200 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Bug     | New    | Normal    | OsmoDevCon: Use loudspeakers even at IN-Berlin  |          | 04/23/2018 06:53 PM |                                   |
| 2292 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Bug     | New    | Normal    | Time with community users during OsmoCon  |          | 05/25/2017 03:03 PM |                                   |
| 2179 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Bug     | New    | Normal    | no sign about OsmoCon outside of venue  |          | 04/24/2017 07:10 PM |                                   |
| 5167 | Osmocom Analog   | Feature | New    | Low       | LimeNet Micro   |          | 04/02/2023 08:57 AM |                                   |
| 5721 | OsmoCBC  | Feature | New    | Normal    | CBC messages Geographical Scope and CBS Index   |          | 10/19/2022 07:23 AM |                                   |
| 5641 | OsmoCBC  | Feature | New    | Normal    | OsmoCBC doesn't yet support reloading cells becoming operational with active messages |          | 08/05/2022 05:10 PM |                                   |
| 5585 | OsmoCBC  | Bug     | New    | Low       | CBC should not send WRITE-REPLACE to cells that had sent FAILURE                      |          | 08/05/2022 04:58 PM |                                   |
| 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 |
| 6036 | OsmoBTS  | Feature | New    | Normal    | Implement ternary SID classification for HR1 uplink                                   |          | 05/17/2023 09:48 PM | Related to #6036,Related to #6036 |
| 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 |                                   |

| #    | Project | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues  |
|------|---------|---------|--------|----------|--|----------|---------------------|---|
| 5895 | OsmoBTS | Bug     | New    | Low      | LC15: Audio Quality Problem sometime after cf7a7fceb625a14fd764355c3b96fa86c77458c                         |          | 03/20/2023 11:37 PM |   |
| 5576 | OsmoBTS | Bug     | New    | Normal   | osmo-bts not moving NM state "Enabled -> DisabledDependency" when Admin state becomes Locked               |          | 06/02/2022 10:38 AM |   |
| 5474 | OsmoBTS | Bug     | New    | Normal   | osmo-bts-trx: DTXd support not implemented   |          | 03/02/2022 05:06 PM | Related to #5474,Related to #5474                                   |
| 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 |   |
| 5257 | OsmoBTS | Bug     | New    | High     | support random padding in SACCH downlink messages  |          | 10/12/2021 11:18 AM | Related to #5257  |
| 5256 | OsmoBTS | Feature | New    | High     | support for random padding in LAPDm downlink messages  |          | 10/12/2021 11:17 AM | Related to #5256  |
| 4989 | OsmoBTS | Feature | New    | Low      | AMR RATSCCH support  |          | 01/28/2021 01:41 PM |   |
| 4988 | OsmoBTS | Feature | New    | Low      | No TTCN3 test for AMR TFO / DL CMR handling  |          | 01/28/2021 01:38 PM |   |
| 4987 | OsmoBTS | Feature | New    | Low      | No TTCN3 test for AMR DTX FSMs   |          | 01/28/2021 01:37 PM | Related to #5474  |
| 4986 | OsmoBTS | Feature | New    | Low      | No TTCN3 tests of AMR rate/link adaptation   |          | 01/28/2021 01:36 PM |   |
| 4985 | OsmoBTS | Bug     | New    | Normal   | AMR RTP CMR of downlink frames not used to influence CMC   |          | 01/28/2021 01:35 PM |   |
| 4827 | OsmoBTS | Bug     | New    | Normal   | OsmoBTS VTY is lacking various vital information   |          | 10/23/2020 07:14 PM |   |
| 4630 | OsmoBTS | Bug     | New    | Low      | osmo-bts: GSMTAP DL (tx) messages use hardcoded signal level 0   |          | 10/05/2022 09:11 AM |   |
| 4579 | OsmoBTS | Bug     | New    | Normal   | add IPv6 support   |          | 02/12/2021 12:26 PM |   |
| 4473 | OsmoBTS | Feature | New    | Low      | Support for broadcast of MOCN related SI21/22/23   |          | 03/29/2020 07:39 PM | Related to #4473  |
| 4082 | OsmoBTS | Bug     | New    | Normal   | OML: Unknown/unhandled PCHAN type: 0 NONE  |          | 11/18/2019 10:09 AM |   |
| 4031 | OsmoBTS | Bug     | New    | Normal   | OML part of BTS has no TTCN-3 tests  |          | 09/04/2019 09:04 AM | Related to #4031,Related to #4031                                   |
| 4014 | OsmoBTS | Feature | New    | Low      | Allow multiple [virtual] BTS instances on same [SDR] hardware that supports multiple TRX                   |          | 05/21/2019 12:07 PM |   |
| 4009 | OsmoBTS | Bug     | New    | Normal   | Channel Activation starts SACCH too early in Synchronous Handover  |          | 03/11/2022 12:44 PM | Related to #4009,Related to #4010,Related to #4009                  |
| 3796 | OsmoBTS | Bug     | New    | Low      | OsmoBTS doesn't send proper cause values in NACK   |          | 07/18/2019 06:04 AM | Related to #3796  |
| 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 |
| 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 |   |
| 3329 | OsmoBTS | Feature | New    | Normal   | osmo-bts: Implement IMMEDIATE ASSIGNMENT EXTENDED  |          | 06/08/2018 12:02 PM | Related to #3330  |

| #    | Project | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|---------|---------|--------|----------|--|----------|---------------------|-----------------------------------|
| 3058 | OsmoBTS | Bug     | New    | Low      | RSL SACCH FILLING are per TRX, not BTS scope   |          | 03/11/2018 08:55 PM |                                   |
| 2974 | OsmoBTS | Bug     | New    | Low      | OsmoBTS doesn't use the "Diagnostics" part of the RSL Cause IE                                 |          | 07/18/2019 05:48 AM |                                   |
| 2942 | OsmoBTS | Bug     | New    | Low      | osmo-bts-virtual+virtphy+mobile paging for SMS delivery fails                                  |          | 02/13/2018 05:05 PM |                                   |
| 2827 | OsmoBTS | Feature | New    | Low      | would be nice if logging of the BTS number in osmo-bts matched the BTS number used in osmo-bsc |          | 06/23/2018 06:48 PM |                                   |
| 2366 | OsmoBTS | Feature | New    | Low      | OsmoBTS lacks EXTENDED BCCH support  |          | 07/15/2017 10:42 AM | Related to #1575,Related to #2014 |
| 2364 | OsmoBTS | Bug     | New    | Low      | OsmoBTS sends SI1 even if it is not specified/needed   |          | 07/15/2017 10:06 AM |                                   |
| 2355 | OsmoBTS | Bug     | New    | Low      | optimize log output of phy specific code   |          | 09/04/2019 09:26 AM | Related to #2355                  |
| 1926 | OsmoBTS | Feature | New    | Low      | unify *_mgr code   |          | 07/18/2019 06:08 AM |                                   |
| 1902 | OsmoBTS | Feature | New    | Low      | unify/refactor dynamic timeslot code   |          | 01/08/2020 10:56 PM | Related to #1902,Related to #3099 |
| 1837 | OsmoBTS | Feature | New    | Low      | autogenerate dtx_dl_amr_fsm.*  |          | 03/01/2018 11:17 PM |                                   |
| 1771 | OsmoBTS | Feature | New    | Low      | osmo-bts-trx: clarify check_transceiver_availability()   |          | 03/01/2018 11:17 PM | Related to #1770                  |
| 1755 | OsmoBTS | Feature | New    | Low      | osmo-bts-sysmo L1: unify hLayer3 handling  |          | 02/02/2017 04:00 PM | Related to #1755                  |
| 1751 | OsmoBTS | Bug     | New    | Low      | incompatibility between LCR and DTX  |          | 06/14/2016 04:39 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                  |
| 1692 | OsmoBTS | Feature | New    | Low      | clock source monitoring  |          | 04/13/2016 09:49 AM |                                   |
| 1674 | OsmoBTS | Bug     | New    | Low      | Kill duplication between l1_if.c and sysmbots_ctrl.c   |          | 07/18/2019 06:08 AM |                                   |
| 1579 | OsmoBTS | Feature | New    | Low      | Use epoll  |          | 01/15/2021 01:44 PM |                                   |
| 1577 | OsmoBTS | Bug     | New    | Normal   | mph_send_config_logchpar doesn't update encryption config                                      |          | 02/23/2016 03:39 PM |                                   |
| 1576 | OsmoBTS | Feature | New    | Low      | consider using hLayer2 as a pointer storage  |          | 02/02/2017 04:11 PM | Related to #1755                  |
| 1573 | OsmoBTS | Feature | New    | Low      | ENHANCED MEASUREMENT REPORT  |          | 07/19/2021 04:13 PM |                                   |
| 1571 | OsmoBTS | Feature | New    | Low      | Support RTP multiplexing instead of per-call RTP streams                                       |          | 02/23/2016 03:32 PM |                                   |

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