

## Issues

| #    | Project                               | Tracker | Status      | Priority | Subject  | Assignee   | Updated             | Related issues  |
|------|---------------------------------------|---------|-------------|----------|--|------------|---------------------|---|
| 2620 | Cellular Network Infrastructure       | Bug     | New         | Urgent   | Testing NITB Migration Guide   | roh        | 05/08/2019 02:40 PM | Related to #2620  |
| 2623 | Cellular Network Infrastructure       | Feature | New         | Urgent   | SCCP/M3UA: detect restart of osmo-msc and osmo-sgsn                              | laforge    | 07/18/2019 05:18 AM | Related to #3403  |
| 4006 | Cellular Network Infrastructure       | Feature | Feedback    | Urgent   | TRX protocol: wind of change   | fixeria    | 08/06/2019 11:49 AM | Related to #4006,Related to #4006,Related to #4006,Related to #4081,Blocks #3428                      |
| 3819 | gr-osmosdr                            | Support | New         | Urgent   | OSMO SDR blocks for GNUradio   |            | 02/28/2019 06:00 PM |   |
| 3883 | osmo-remsim                           | Bug     | New         | Urgent   | osmo-remsim user manual lacks examples   | laforge    | 07/16/2019 02:43 PM |   |
| 3889 | osmo-remsim                           | Bug     | In Progress | Urgent   | adjust TTCN3 remsim testsuite to latest code                                     | laforge    | 05/08/2019 03:30 PM |   |
| 4097 | osmo-remsim                           | Bug     | Feedback    | Urgent   | osmo-remsim-bankd leaking memory   | roh        | 09/18/2019 06:25 PM | Related to #4097,Related to #4119   |
| 1683 | osmo-sip-connector                    | Bug     | In Progress | Urgent   | osmo-sip-connector: Implement codec selection / move codec selection to osmo-msc | neels      | 11/07/2019 11:56 PM | Related to #1683,Related to #1683,Related to #1683,Related to #1683,Related to #3650                  |
| 3155 | OsmoBTS                               | Feature | In Progress | Urgent   | execute BTS_Tests.ttcn with real (C123) phone hardware in LTHW setup             | pespin     | 04/15/2019 05:15 PM | Related to #3353,Related to #3155   |
| 3863 | OsmoBTS                               | Support | In Progress | Urgent   | setup testing of osmo-bts-oc2g on real hardware with ttcn3 and osmocon/osmocombb | dexter     | 07/18/2019 06:04 AM |   |
| 3209 | OsmoGGSN (former OpenGGSN)            | Bug     | Stalled     | Urgent   | no example config file + documentation about kernel GTP with OsmoGGSN            | laforge    | 07/04/2018 12:45 PM |   |
| 3395 | OsmoPCU                               | Bug     | Feedback    | Urgent   | Uplink CS/MCS control is broken osmo-pcu is used with osmo-bts-trx/osmo-trx      | lynxis     | 10/04/2019 08:35 PM | Related to #3395,Related to #3395,Related to #3395,Related to #3834,Related to #3395,Related to #3929 |
| 4206 | Qualcomm Linux Modems by Quectel & Co | Support | New         | Urgent   | Unbrick cpe router without web ui interface and terminal                         |            | 09/16/2019 10:41 AM |   |
| 4251 | SIMtrace 2                            | Bug     | New         | Urgent   | simtrace2 firmware can get OOM / talloc unable to allocate buffer for APDU       | tsaitgaist | 11/07/2019 02:34 PM |   |

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|------|---------------------------------|---------|-------------|----------|--|-----------|---------------------|--|
| 1719 | Cellular Network Infrastructure | Support | Stalled     | High     | review different 'getting started' guides in the wiki and unify/update them  | daniel    | 03/27/2018 01:40 PM | Related to #1719                               |
| 2604 | Cellular Network Infrastructure | Feature | In Progress | High     | GSUP-to-DIAMETER converter / IWF   | laforge   | 08/29/2019 03:10 PM |  |
| 3127 | Cellular Network Infrastructure | Bug     | New         | High     | update the [[Osmocom Network In The Box]] wiki page  | daniel    | 05/08/2019 02:37 PM |  |
| 3794 | Cellular Network Infrastructure | Bug     | In Progress | High     | 'make install' overwrites \$prefix/etc/osmocom/*.cfg   | osmith    | 07/30/2019 08:50 AM |  |
| 4227 | Cellular Network Infrastructure | Bug     | In Progress | High     | all package builds for Debian testing and unstable fail  | laforge   | 10/15/2019 11:42 AM |  |
| 3260 | E1/T1 Hardware Interface        | Bug     | New         | High     | Implement libosmo-abis input for new E1 interface  | laforge   | 07/18/2019 05:34 AM | Related to #3965,Related to #3260              |
| 3458 | gr-gsm                          | Bug     | Feedback    | High     | apps/grgsm_trx: [ERROR] [STREAMER] rcv packet demuxer unexpected sid 0xXX  |           | 09/21/2018 10:12 AM | Related to #3692                               |
| 3459 | gr-gsm                          | Bug     | New         | High     | apps/grgsm_trx: AssertionError: packe t_info.packet_count == (seq_to_ack & 0xffff)   | ptrkrysik | 08/10/2018 07:58 AM |  |
| 2824 | gr-osmosdr                      | Bug     | New         | High     | Corrupted double-linked for Raspbian Stretch when running osmocom_fft (and any other program using osmosdr.source                        |           | 06/03/2018 12:08 PM |  |
| 3734 | gr-osmosdr                      | Bug     | New         | High     | Cannot compile gr-osmocom  |           | 12/16/2018 12:22 AM |  |
| 4248 | libosmo-abis                    | Bug     | In Progress | High     | debian nightly packages without dahdi support  | laforge   | 11/11/2019 04:15 PM |  |
| 3871 | libosmo-sccp + libosmo-sigtran  | Bug     | Stalled     | High     | osmo_scu_prim conn_id should be scoped per-user and direction, and should not correlate with the local-reference spoken on the SCCP wire | osmith    | 07/18/2019 09:33 AM | Related to #3871,Related to #3871,Blocks #3872 |
| 1982 | libosmocore                     | Bug     | New         | High     | LAPD: segfault in lapd_est_req function  |           | 07/18/2019 05:49 AM | Related to #1982                               |
| 4095 | libosmocore                     | Bug     | New         | High     | osmo_get_rand_id() can fail under debian jessie  | osmith    | 07/18/2019 05:50 AM |  |
| 1943 | Linux Kernel GTP-U              | Feature | New         | High     | test setup for Linux kernel GTP-U tunneling module   | laforge   | 05/30/2018 02:56 PM |  |
| 1477 | Mobile (in)Security             | Bug     | New         | High     | RACH flood DoS   |           | 02/21/2016 04:34 PM |  |
| 1478 | Mobile (in)Security             | Bug     | New         | High     | IMSI DETACH DoS  |           | 09/02/2019 09:00 AM |  |
| 1480 | Mobile (in)Security             | Bug     | New         | High     | A5/3 is not deployed in GSM networks   |           | 02/21/2016 04:34 PM |  |
| 1481 | Mobile (in)Security             | Bug     | New         | High     | Random LAPDm MAC-block padding is not deployed yet   |           | 02/21/2016 04:34 PM |  |
| 1483 | Mobile (in)Security             | Bug     | New         | High     | USSD state is not reset when switching cells   |           | 02/21/2016 04:34 PM |  |
| 2155 | OP25                            | Feature | New         | High     | Replace FSK4 demodulation with IQ demodulator stage.   |           | 04/22/2017 04:16 PM |  |
| 2156 | OP25                            | Feature | New         | High     | Implement forward error correction for HDU.  |           | 04/22/2017 04:16 PM |  |
| 2157 | OP25                            | Feature | New         | High     | Fix "traffic" tab so it displays data for non-HDU data units   |           | 04/22/2017 04:16 PM |  |
| 2158 | OP25                            | Feature | New         | High     | Create a shared library for decoding for WireShark and the decoder.  |           | 04/22/2017 04:16 PM |  |
| 2160 | OP25                            | Feature | New         | High     | Add "datascope" to usrp_p25_rx.py  |           | 04/22/2017 04:16 PM |  |

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|------|--------------------|---------|---------|----------|--|------------------------|---------------------|--|
| 2162 | OP25               | Bug     | New     | High     | Fix bit-ordering in output for VC55.   |                        | 04/22/2017 04:15 PM |  |
| 2166 | OP25               | Feature | New     | High     | Add support for Max's I/Q 455khz downconverter   |                        | 04/22/2017 04:15 PM |  |
| 2167 | OP25               | Feature | New     | High     | Implement Encryption/Decryption P25 blocks   |                        | 04/22/2017 04:15 PM |  |
| 2168 | OP25               | Bug     | New     | High     | Implement Forward error correction for LDU1/2  |                        | 04/22/2017 04:15 PM |  |
| 2169 | OP25               | Bug     | New     | High     | First-cut of trunking support  |                        | 04/22/2017 04:15 PM |  |
| 2170 | OP25               | Bug     | New     | High     | Implement forward error-correction code, remove IT++ dependency                                      |                        | 04/22/2017 04:14 PM |  |
| 2171 | OP25               | Feature | New     | High     | Use libfftw3 for IFFT/FFT functions.   |                        | 04/22/2017 04:14 PM |  |
| 2172 | OP25               | Bug     | New     | High     | HDU often missing in captures  |                        | 04/22/2017 04:14 PM |  |
| 2173 | OP25               | Feature | New     | High     | Remove dependency on ET++  |                        | 04/22/2017 04:14 PM |  |
| 2175 | OP25               | Feature | New     | High     | Update code for GNURadio 3.6 and later   | stevie                 | 04/22/2017 04:14 PM |  |
| 2363 | OpenBSC            | Support | New     | High     | migrate important branches from openbsc.git to new osmo-{msc,bsc,mgw,sgsn}.git                       | Osmocom CNI Developers | 09/12/2018 02:41 PM |  |
| 4021 | osmo-remsim        | Support | New     | High     | long-term end-to-end osmo-remsim test setup  | roh                    | 10/18/2019 02:51 PM |  |
| 1679 | osmo-sip-connector | Feature | Stalled | High     | osmo-sip-connector: Add stats for call handling  | osmith                 | 09/04/2019 09:32 AM | Related to #3636   |
| 2548 | OsmoBSC            | Feature | New     | High     | Add support for E1/T1 based BTSs to OsmoBSC  | laforge                | 09/04/2019 09:07 AM | Related to #2547, Related to #3965, Related to #2548   |
| 2622 | OsmoBSC            | Support | Stalled | High     | Prepare automatic interop testing of OsmoBSC against NG40 core simulator + osmo-bts-virtual + mobile |                        | 09/04/2019 09:18 AM | Related to #2478, Related to #2558, Related to #2555   |
| 2722 | OsmoBSC            | Feature | New     | High     | document RACH tuning parameters more thoroughly, give explanations                                   | daniel                 | 08/02/2018 09:46 AM | Related to #2591, Related to #1611, Related to #2592, Related to #2722   |
| 2767 | OsmoBSC            | Bug     | New     | High     | OsmoBSC user manual doesn't specify how to configure M3UA link (asp/as)                              | daniel                 | 03/16/2018 07:52 PM |  |
| 3476 | OsmoBSC            | Support | New     | High     | osmo-bsc manual needs to explain the AoIP config 'cs7 instance'                                      |                        | 08/20/2018 09:06 AM |  |
| 3659 | OsmoBSC            | Bug     | Stalled | High     | LCLS directly between BTSs   | Hoernchen              | 05/15/2019 01:40 PM | Related to #3659, Related to #3659, Related to #3659, Related to #3659, Related to #3659, Related to #3659, Related to #3783 |

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| 4113 | OsmoBSC             | Bug     | New         | High     | osmo-bsc fails to compile on openSUSE Tumbleweed (gcc 9.1 with LTO enabled)                   | Hoernchen | 07/19/2019 09:36 PM | Related to #4114, Related to #4115, Related to #4113, Related to #4116, Related to #4123           |
| 1950 | OsmoBTS             | Bug     | Stalled     | High     | LC15: BTS does not send L2 fill frame   | pespin    | 07/18/2019 05:56 AM |  |
| 2978 | OsmoBTS             | Bug     | Stalled     | High     | OsmoBTS rxlev/rxqual SUB computation completely broken [AMR DTX]                              | dexter    | 09/03/2018 07:44 AM | Related to #2978   |
| 2987 | OsmoBTS             | Bug     | Stalled     | High     | OsmoBTS RxQual/RxLev averaging broken if bursts are missign                                   | dexter    | 11/05/2018 12:57 PM | Related to #2975, Related to #2978, Related to #2987, Related to #3665                             |
| 3032 | OsmoBTS             | Bug     | New         | High     | (Wrong?) measurement of both RSSI and ToA on TCH channels                                     | tnt       | 11/26/2018 02:32 PM | Related to #2977, Related to #3032   |
| 3428 | OsmoBTS             | Feature | Stalled     | High     | Implement handling of NOPE / IDLE indications from Transceiver                                | fixeria   | 10/03/2019 05:27 PM | Related to #3428, Related to #3428, Related to #3665, Related to #3428, Blocks #3428, Blocks #2975 |
| 3506 | OsmoBTS             | Bug     | Feedback    | High     | FACCH LAPDm sequence error (state LAPD_STATE_MF_EST)  | fixeria   | 04/04/2019 06:35 PM | Related to #3906   |
| 3568 | OsmoBTS             | Bug     | Stalled     | High     | CBCH on SDCCH/8 not working for osmo-bts-sysmo  | laforge   | 01/14/2019 03:29 PM |  |
| 3751 | OsmoBTS             | Support | New         | High     | Ensure BTS Tests.ttcn results of OC-2G resemble what we know/expect from osmo-bts-{sysmo,trx} | pespin    | 07/18/2019 06:05 AM |  |
| 4213 | OsmoBTS             | Support | Feedback    | High     | ms-power-control  | pespin    | 11/05/2019 01:42 PM | Related to #4213, Related to #4244   |
| 2393 | OsmoCBC             | Feature | In Progress | High     | Implement Cell Broadcast Centre   | laforge   | 07/18/2019 08:50 PM | Related to #6, Related to #2392, Related to #2393  |
| 3977 | OsmoCBC             | Feature | New         | High     | SABP stream delineation routines  | laforge   | 09/23/2019 04:49 AM | Related to #3979   |
| 3978 | OsmoCBC             | Bug     | In Progress | High     | SABP encoding/decoding routines   | laforge   | 09/23/2019 04:46 AM |  |
| 3979 | OsmoCBC             | Bug     | In Progress | High     | TTCN3 SABP support  | laforge   | 09/23/2019 04:45 AM | Related to #3979, Related to #3979   |
| 3303 | Osmocom.org Servers | Feature | New         | High     | migrate openmoko.org into "archive mode" and remove dedicated server for it                   | laforge   | 10/07/2018 03:27 PM | Related to #3303   |
| 1458 | OsmocomBB           | Bug     | New         | High     | AGC broken (strong cell cannot be synced)   | tnt       | 07/18/2019 06:10 AM | Related to #3582   |

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| 1461 | OsmocomBB | Feature | Feedback    | High     | include some version information / negotiation in the L1CTL protocol               | fixeria  | 06/21/2019 11:56 AM | Related to #1461,Blocks #3400  |
| 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 |  |
| 2409 | OsmocomBB | Feature | Stalled     | High     | Add GPRS support to virt_phy and L1CTL   | laforge  | 07/04/2018 12:48 PM |  |
| 3399 | OsmocomBB | Feature | Stalled     | High     | mobile: refactor / finish external MNCC handler implementation                     | fixeria  | 10/04/2018 09:07 PM |  |
| 3717 | OsmoHLR   | Bug     | Stalled     | High     | SS/USSD: fix SS session inactivity timeout   | fixeria  | 12/05/2018 08:45 PM |  |
| 2547 | OsmoMGW   | Feature | New         | High     | Add E1/T1 endpoint type to osmo-mgw  | laforge  | 09/04/2019 09:06 AM | Related to #2547,Related to #3965,Related to #2659                       |
| 2659 | OsmoMGW   | Feature | New         | High     | prepare osmo-mgw architecture for other endpoint types                             | laforge  | 09/04/2019 09:06 AM | Related to #3260,Related to #2659  |
| 2698 | OsmoMSC   | Bug     | New         | High     | Add more tests to jenkins job testing osmo-msc against NG40tester                  | daniel   | 08/02/2018 09:38 AM | Related to #2477   |
| 3294 | OsmoMSC   | Bug     | Stalled     | High     | transaction: refactor callref allocation   | neels    | 09/26/2019 06:50 PM | Related to #3294,Related to #3294  |
| 1542 | OsmoPCU   | Bug     | New         | High     | Post gsmtap/EGPRS patch to the wireshark project                                   |          | 07/18/2019 03:59 PM |  |
| 1546 | OsmoPCU   | Feature | New         | High     | closed loop uplink power control   | lynxis   | 04/18/2019 02:38 PM |  |
| 1548 | OsmoPCU   | Bug     | Stalled     | High     | 11bit RACH support   |          | 10/04/2019 11:15 PM | Related to #1548,Related to #3054,Related to #3014,Is duplicate of #1548 |
| 1560 | OsmoPCU   | Feature | New         | High     | EDGE benchmarking / performance optimization / tuning                              | lynxis   | 07/18/2019 05:13 AM |  |
| 1640 | OsmoPCU   | Bug     | Stalled     | High     | Missing release field/length in MS RA capability container                         | lynxis   | 04/15/2019 07:47 AM |  |
| 1742 | OsmoPCU   | Bug     | New         | High     | Regression in egprs patch series   | lynxis   | 04/15/2019 07:47 AM | Related to #1756,Related to #2820,Related to #2890                       |
| 1759 | OsmoPCU   | Bug     | Stalled     | High     | Wrong calculation of DL window size for DL assignment                              | lynxis   | 04/15/2019 07:46 AM | Related to #1533,Related to #1524  |
| 1766 | OsmoPCU   | Bug     | In Progress | High     | KPIs for OsmoPCU: EGPRS  |          | 10/29/2017 06:47 PM | Related to #1766,Related to #1766  |
| 1792 | OsmoPCU   | Bug     | Stalled     | High     | 2 MS tests: Issue with TS allocation for DL in PCU                                 | sysmocom | 08/17/2017 06:53 AM |  |
| 1833 | OsmoPCU   | Bug     | Feedback    | High     | UPLINK MCS gets reduced from MCS9->MCS6 when good radio condition exists           | lynxis   | 09/27/2019 04:10 AM | Related to #3395   |

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| 1925 | OsmoPCU                      | Bug     | New         | High     | Fix padding for MCS8 transition  | lynxis     | 04/15/2019 07:45 AM |  |
| 1939 | OsmoPCU                      | Bug     | Feedback    | High     | implement packet idle/transfer mode including T3192                      | lynxis     | 09/26/2019 12:51 PM |  |
| 1940 | OsmoPCU                      | Bug     | Stalled     | High     | implement T3141 - Timeout after Send Immediate assign for TBF            | pespin     | 10/08/2019 11:44 AM |  |
| 2282 | OsmoPCU                      | Feature | In Progress | High     | uplink multi-slot allocations  | lynxis     | 07/11/2019 05:11 PM | Related to #1775                               |
| 2400 | OsmoPCU                      | Bug     | Stalled     | High     | transmit S113 on PACCH during long TBFs                                  | osmith     | 10/04/2019 10:39 PM | Related to #2400                               |
| 3925 | OsmoPCU                      | Bug     | New         | High     | Missing PCU_Tests.ttcn UL TBF tests                                      | osmith     | 09/05/2019 05:08 PM | Related to #3925,Related to #4180              |
| 3926 | OsmoPCU                      | Bug     | New         | High     | Missing PCU_Tests.ttcn DL TBF tests                                      | lynxis     | 04/15/2019 07:55 AM |  |
| 3927 | OsmoPCU                      | Bug     | Stalled     | High     | Missing PCU_Tests.ttcn Paging tests                                      | osmith     | 10/14/2019 07:11 AM |  |
| 3928 | OsmoPCU                      | Bug     | In Progress | High     | Missing PCU_Tests.ttcn for various timers / time-outs                    | pespin     | 10/07/2019 09:47 AM |  |
| 1720 | OsmoSGSN                     | Feature | In Progress | High     | extend/complete OsmoSGSN user manual                                     | daniel     | 07/26/2019 10:10 AM |  |
| 2955 | OsmoSGSN                     | Bug     | New         | High     | No GMM ATTACH REJECT on GSUP UpdateLocation Error                        | lynxis     | 09/10/2019 07:39 PM |  |
| 3727 | OsmoSGSN                     | Bug     | In Progress | High     | SGSN segfaults on network type change                                    | lynxis     | 09/15/2019 11:18 PM | Related to #3995,Related to #3727              |
| 4222 | OsmoSGSN                     | Bug     | New         | High     | Implement PS Paging for the Routing Areas                                |            | 10/08/2019 04:30 PM |  |
| 4245 | OsmoSGSN                     | Bug     | Feedback    | High     | osmo-sgsn hitting assert during osmo-gsm-tester ping.py test             | pespin     | 11/08/2019 06:31 PM | Related to #4245,Related to #4245              |
| 3341 | OsmoTRX                      | Bug     | In Progress | High     | osmo-trx-lms RF Envelope FAIL on LimeSDR, but not on LimeSDR-mini        | roh        | 10/04/2019 04:40 PM | Related to #3341,Related to #3861,Blocks #3341 |
| 3515 | OsmoTRX                      | Bug     | In Progress | High     | license confusion in OsmoTRX   | ipse       | 07/29/2019 01:25 PM |  |
| 4182 | OsmoTRX                      | Bug     | Feedback    | High     | osmo-trx build failures on obs   | pespin     | 10/01/2019 02:19 PM |  |
| 1722 | pySim                        | Feature | New         | High     | Improve pySim usability  |            | 08/17/2016 03:57 PM |  |
| 1474 | SDR (Software Defined Radio) | Bug     | New         | High     | USB Claim Interface Error  | steve-m    | 02/20/2016 08:23 PM |  |
| 1705 | SIMtrace 2                   | Bug     | Stalled     | High     | re-integrate tracing + card reader modes into SIMtrace2 firmware (SAM3S) | tsaitgaist | 08/13/2018 04:54 PM | Related to #1705                               |
| 3379 | SIMtrace 2                   | Bug     | Stalled     | High     | documentation on how to use SIMtrace2                                    | tsaitgaist | 10/25/2018 09:12 AM |  |
| 1505 | UmTRX                        | Bug     | New         | High     | OHM4 footprint incorrect   |            | 02/19/2016 10:52 PM |  |
| 1507 | UmTRX                        | Feature | New         | High     | Implement UmSEL tuner control  | ipse       | 02/21/2016 04:47 PM |  |
| 1508 | UmTRX                        | Feature | New         | High     | Implement UmSEL diversity switch control                                 | ipse       | 02/21/2016 04:47 PM |  |
| 1510 | UmTRX                        | Feature | New         | High     | Complete UHD integration   | ipse       | 02/21/2016 04:47 PM |  |
| 1664 | cellmgr-ng                   | Bug     | New         | Normal   | m3ua connection should make non-blocking connect                         | zecke      | 03/17/2016 10:37 AM |  |

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| 3658 | Cellular Modem Information      | Feature | New     | Normal   | Create a "osmocom-bb-host-latest" docker container                                       |           | 10/16/2018 02:11 PM | Related to #3658   |
| 1652 | Cellular Network Infrastructure | Bug     | New     | Normal   | Expose statistics / KPIs programmatically  |           | 03/10/2017 09:35 PM | Related to #1652, Related to #1652, Related to #1652, Related to #1766               |
| 1921 | Cellular Network Infrastructure | Bug     | New     | Normal   | osmo-gsm-manuals: Purge-MS operation doc error?  | daniel    | 03/16/2018 07:55 PM |  |
| 2537 | Cellular Network Infrastructure | Feature | Stalled | Normal   | package wireshark with osmocom patches   | pespin    | 08/17/2018 09:15 AM |  |
| 2558 | Cellular Network Infrastructure | Feature | Stalled | Normal   | Scripts to manage thousands of "mobile" and hundreds of osmo-bts-virtual instances       |           | 09/04/2019 09:22 AM | Related to #2557, Related to #2556, Related to #2555, Related to #2558, Blocks #2893 |
| 2728 | Cellular Network Infrastructure | Bug     | Stalled | Normal   | Align better with 48.103 for AoIP user plane (AMR marker bit for frame following ONSET)  |           | 09/04/2019 09:34 AM | Related to #3798   |
| 2791 | Cellular Network Infrastructure | Bug     | New     | Normal   | osmo-python-tests: osmo_ctrl.py: there is no argument to get the list of available stats | lynxis    | 05/08/2019 02:43 PM |  |
| 3192 | Cellular Network Infrastructure | Bug     | New     | Normal   | meas_vis: use the lchan identity as primary key, not the IMSI                            | laforge   | 05/08/2019 02:37 PM | Related to #3192, Related to #3192   |
| 3227 | Cellular Network Infrastructure | Feature | New     | Normal   | general idea: separate GSUP spec document  | roh       | 07/17/2019 07:50 PM | Is duplicate of #3227  |
| 3382 | Cellular Network Infrastructure | Bug     | New     | Normal   | Investigate and fix lintian issues listed by Debian Lintian Report                       | osmith    | 09/01/2018 08:40 PM |  |
| 3386 | Cellular Network Infrastructure | Feature | New     | Normal   | Generate man pages at build time from adoc files   | osmith    | 11/15/2018 09:42 AM | Precedes #3386   |
| 3417 | Cellular Network Infrastructure | Bug     | New     | Normal   | show asciidoc counters does not show all the counters available                          |           | 09/04/2019 09:21 AM | Related to #3417   |
| 3477 | Cellular Network Infrastructure | Feature | New     | Normal   | add a wiki page explaining interconnection between components across several machines    |           | 09/04/2019 09:21 AM |  |
| 3541 | Cellular Network Infrastructure | Bug     | New     | Normal   | Conflicting Debian packages: python3-osmopy-utils and osmocom-nitb                       | osmith    | 09/30/2018 11:53 AM | Related to #3541   |
| 3660 | Cellular Network Infrastructure | Bug     | New     | Normal   | TTCN3 Jenkins jobs leave Docker containers running when stopped                          | osmith    | 10/11/2019 01:04 PM |  |
| 3699 | Cellular Network Infrastructure | Feature | New     | Normal   | merge Debian patches   | Hoernchen | 07/16/2019 08:00 PM | Related to #3699, Related to #3753   |

| #    | Project                         | Tracker | Status      | Priority | Subject   | Assignee  | Updated             | Related issues  |
|------|---------------------------------|---------|-------------|----------|---|-----------|---------------------|---|
| 3725 | Cellular Network Infrastructure | Bug     | Stalled     | Normal   | Jenkins isn't using the credentials store for uploading to rita.osmocom.org                     | osmith    | 02/01/2019 10:39 AM | Related to #3725,Related to #3725,Related to #3726,Related to #3772 |
| 3772 | Cellular Network Infrastructure | Bug     | In Progress | Normal   | new build host tcc-deb9build: failure to push manuals   | laforge   | 02/01/2019 09:21 AM | Related to #3772  |
| 4044 | Cellular Network Infrastructure | Feature | Stalled     | Normal   | regenerate vty reference during release process   | osmith    | 07/16/2019 01:52 PM | Related to #4044,Related to #4053,Related to #4073                  |
| 4063 | Cellular Network Infrastructure | Feature | New         | Normal   | Add current version information to the VTY reference manuals                                    |           | 06/19/2019 09:51 AM |   |
| 4069 | Cellular Network Infrastructure | Bug     | New         | Normal   | Implement IPA PING/PONG mechanism everywhere  | Hoernchen | 06/21/2019 02:44 PM | Related to #4072  |
| 4073 | Cellular Network Infrastructure | Feature | New         | Normal   | try to get counter and vty reference information at compile time                                | Hoernchen | 07/03/2019 12:20 AM | Related to #4073  |
| 4086 | Cellular Network Infrastructure | Support | New         | Normal   | Testing the 3G Osmocom Network without a Femto Cell   |           | 07/10/2019 09:15 PM |   |
| 4091 | Cellular Network Infrastructure | Feature | New         | Normal   | Osmux: Make sure all handover types work fine if a call leg is using Osmux between BSC and MSC. | pespin    | 07/05/2019 02:10 PM |   |
| 4107 | Cellular Network Infrastructure | Feature | New         | Normal   | Start systemd services as non-root user   | osmith    | 07/15/2019 06:56 AM | Related to #4107  |
| 4123 | Cellular Network Infrastructure | Bug     | Stalled     | Normal   | gcc & LTO related issues  | Hoernchen | 07/22/2019 04:46 PM | Related to #4123,Related to #4123,Related to #4123,Related to #4123 |
| 4139 | Cellular Network Infrastructure | Bug     | New         | Normal   | "make pdf" target exists, but does nothing  | osmith    | 08/02/2019 08:42 AM |   |
| 4141 | Cellular Network Infrastructure | Bug     | New         | Normal   | No osmux specific code in place during codec negotiation  | sysmocom  | 08/05/2019 03:57 PM |   |
| 4176 | Core testing infrastructure     | Bug     | Feedback    | Normal   | ttn3-sgsn: Sporadic failures since lu support introduced  | laforge   | 08/27/2019 05:32 PM |   |
| 4203 | Core testing infrastructure     | Bug     | New         | Normal   | Make ttn3-bts-test(-latest) artifacts smaller   | sysmocom  | 09/13/2019 11:18 AM |   |
| 4212 | Core testing infrastructure     | Feature | Feedback    | Normal   | TTCN3 docker containers: tell glibc to print segfault output to stderr                          | sysmocom  | 11/13/2019 04:09 PM |   |
| 3237 | E1/T1 Hardware Interface        | Feature | New         | Normal   | Come up with GPS-DO design for E1 Interface   | vogelchr  | 06/01/2018 09:50 PM | Related to #3237,Related to #3272,Related to #3967                  |



| #    | Project                  | Tracker | Status      | Priority | Subject   | Assignee  | Updated             | Related issues                                     |
|------|--------------------------|---------|-------------|----------|---|-----------|---------------------|--|
| 3272 | E1/T1 Hardware Interface | Feature | New         | Normal   | next-generation osmo-e1-xcvr board  | vogelchr  | 09/10/2018 11:22 AM | Related to #3272                                   |
| 3965 | E1/T1 Hardware Interface | Feature | In Progress | Normal   | ICE40 based USB E1 adapter  | tnt       | 04/30/2019 08:48 AM | Related to #3965,Related to #3965,Related to #3965 |
| 3966 | E1/T1 Hardware Interface | Feature | In Progress | Normal   | finish the USB-E1 ICE40 prototype   | tnt       | 04/30/2019 08:49 AM |  |
| 3967 | E1/T1 Hardware Interface | Feature | New         | Normal   | design a custom board for the ICE40 E1 adapter  |           | 04/30/2019 09:34 AM | Related to #3967                                   |
| 3968 | E1/T1 Hardware Interface | Feature | New         | Normal   | find enclosure for ICE40 E1 board   |           | 04/30/2019 09:41 AM |  |
| 3422 | gr-gsm                   | Bug     | New         | Normal   | Receiver: sample / burst buffering problem  | ptrkrysik | 07/27/2018 07:56 PM |  |
| 3423 | gr-gsm                   | Feature | Stalled     | Normal   | Receiver: hard-coded GSM 05.02 channel configuration                                  | ptrkrysik | 02/06/2019 10:00 AM |  |
| 3424 | gr-gsm                   | Feature | New         | Normal   | Transceiver: implement automatic TX delay measurement                                 | ptrkrysik | 07/26/2018 08:22 PM |  |
| 3425 | gr-gsm                   | Bug     | New         | Normal   | Receiver: missing AGC (Automatic Gain Control)  |           | 07/26/2018 08:25 PM |  |
| 3662 | gr-gsm                   | Bug     | New         | Normal   | not building on OSX 10.13.4   |           | 10/29/2018 08:52 AM |  |
| 4068 | gr-gsm                   | Feature | New         | Normal   | Implement a GNU Radio block for frequency hopping                                     | ptrkrysik | 06/21/2019 11:40 AM |  |
| 2216 | gr-osmosdr               | Bug     | New         | Normal   | uhd: LO offset doesn't seem to work properly  |           | 06/03/2018 12:08 PM |  |
| 3240 | gr-osmosdr               | Bug     | New         | Normal   | Expose airspy gain setting in gr-osmosdr block  |           | 06/03/2018 12:08 PM |  |
| 3414 | gr-osmosdr               | Feature | New         | Normal   | Include Airspy serial number in connection string.                                    | horiz0n   | 07/24/2018 04:52 AM |  |
| 3462 | gr-osmosdr               | Bug     | New         | Normal   | gr-osmosdr installation bladerf conversion errors                                     | horiz0n   | 07/18/2019 05:35 AM |  |
| 3512 | gr-osmosdr               | Support | New         | Normal   | Bug #3462 on Arch Linux; gr-osmosdr install fails                                     | horiz0n   | 01/26/2019 06:10 PM |  |
| 3592 | gr-osmosdr               | Bug     | New         | Normal   | rtl: Race Conditions  | horiz0n   | 07/18/2019 05:35 AM |  |
| 3594 | gr-osmosdr               | Feature | New         | Normal   | Message Commands  |           | 09/25/2018 03:59 PM |  |
| 3595 | gr-osmosdr               | Feature | New         | Normal   | RX Tags   |           | 09/25/2018 04:01 PM |  |
| 3596 | gr-osmosdr               | Feature | New         | Normal   | TX Tags   |           | 09/25/2018 04:01 PM |  |
| 3663 | gr-osmosdr               | Bug     | New         | Normal   | Can't compile gr-osmosdr on macOS Mojave  |           | 10/19/2018 02:37 PM |  |
| 3802 | gr-osmosdr               | Feature | New         | Normal   | New release   | horiz0n   | 02/15/2019 07:22 AM |  |
| 3855 | gr-osmosdr               | Bug     | New         | Normal   | Cannot build gr-osmosdr with Gnuradio 3.8   | horiz0n   | 09/28/2019 06:49 AM |  |
| 3882 | gr-osmosdr               | Bug     | New         | Normal   | Cannot compile gr-osmosdr!  | horiz0n   | 07/18/2019 05:35 AM |  |
| 4098 | gr-osmosdr               | Bug     | New         | Normal   | [BladeRF micro] Arguments set in osmocom Sink and Source are not passed to libbladerf | horiz0n   | 07/18/2019 05:35 AM |  |
| 2514 | GSM Audio Pocket Knife   | Bug     | Stalled     | Normal   | GSM HR encoding result does not match the reference                                   | fixeria   | 04/03/2019 08:37 AM |  |

| #    | Project                        | Tracker | Status      | Priority | Subject   | Assignee  | Updated             | Related issues                                     |
|------|--------------------------------|---------|-------------|----------|---|-----------|---------------------|--|
| 3398 | GSM Audio Pocket Knife         | Bug     | New         | Normal   | build: configure fails if (optional) libalsa wasn't found                     | fixeria   | 07/16/2018 08:45 PM |  |
| 3622 | libosmo-abis                   | Bug     | New         | Normal   | Clear API mess in sign_link_up callback                                       | pespin    | 10/02/2018 07:34 PM |  |
| 2439 | libosmo-netif                  | Bug     | New         | Normal   | Osmux: overwrite duplicated RTP packets instead of dropping them              | pespin    | 08/17/2017 07:10 AM | Blocks #2439                                       |
| 2440 | libosmo-netif                  | Bug     | New         | Normal   | Osmux: Improve lost packet recreation mechanism                               | pespin    | 08/14/2017 05:27 PM | Blocks #2439                                       |
| 3812 | libosmo-netif                  | Bug     | Stalled     | Normal   | stream_test fails depending on where it is run                                |           | 03/13/2019 04:15 PM |  |
| 3420 | libosmo-ranap                  | Bug     | Stalled     | Normal   | ranap_transp_assoc_decode() decodes X.213 NSAP address headers as IP address  | osmith    | 10/29/2018 02:28 PM |  |
| 4143 | libosmo-ranap                  | Feature | New         | Normal   | Security Mode Command needs distinct UEA1 and UEA2 options                    |           | 08/06/2019 12:58 PM | Blocks #4144                                       |
| 2259 | libosmo-sccp + libosmo-sigtran | Bug     | New         | Normal   | problem with local reference  | laforge   | 07/19/2017 04:25 PM |  |
| 3921 | libosmo-sccp + libosmo-sigtran | Bug     | New         | Normal   | high local reference numbers get cut off                                      |           | 04/12/2019 01:23 PM |  |
| 4072 | libosmo-sccp + libosmo-sigtran | Bug     | New         | Normal   | Implement IPA PING/PONG mechanism in libosmo-sigtran +                        | Hoernchen | 06/21/2019 02:51 PM | Related to #4072                                   |
| 1716 | libosmocore                    | Feature | New         | Normal   | enhance unit test coverage  |           | 08/17/2016 03:57 PM | Related to #1987,Precedes #1717                    |
| 1761 | libosmocore                    | Bug     | New         | Normal   | LAPD: segfault when bootstrapping Nokia InSite                                | laforge   | 05/08/2019 03:07 PM | Related to #1760,Related to #1761,Related to #3975 |
| 1762 | libosmocore                    | Bug     | New         | Normal   | Review LAPD code for race conditions regarding state, particularly in RELEASE |           | 07/03/2016 08:44 PM | Related to #1760,Related to #1761,Related to #1982 |
| 1910 | libosmocore                    | Feature | Stalled     | Normal   | add v4 encryption support   |           | 01/22/2018 10:35 AM | Related to #1910                                   |
| 1987 | libosmocore                    | Feature | New         | Normal   | gcv code coverage test support  |           | 03/17/2017 01:05 PM | Related to #1987,Is duplicate of #1987             |
| 2676 | libosmocore                    | Support | In Progress | Normal   | Document stat_item  | daniel    | 03/19/2018 04:52 PM | Related to #2676                                   |
| 2677 | libosmocore                    | Support | New         | Normal   | Make stat_item available over ctrl interface                                  |           | 09/04/2019 09:21 AM | Related to #2676                                   |
| 2682 | libosmocore                    | Feature | New         | Normal   | replace legacy counters with rate_ctr   |           | 09/04/2019 09:21 AM |  |
| 2688 | libosmocore                    | Bug     | New         | Normal   | CTRL iface: make rate_ctr request parser more strict                          |           | 11/29/2017 01:40 PM |  |
| 2712 | libosmocore                    | Feature | New         | Normal   | implement reproducible talloc context printout, i.e. without memory addresses | Hoernchen | 07/11/2019 03:54 PM | Related to #2781                                   |
| 2905 | libosmocore                    | Feature | Feedback    | Normal   | implement proper/generic mandatory IE validation                              | fixeria   | 09/26/2018 11:03 PM |  |
| 3309 | libosmocore                    | Feature | New         | Normal   | osmo_timer_* should use monotonic clock                                       |           | 05/31/2018 03:59 PM | Related to #3309                                   |

| #    | Project                                  | Tracker | Status      | Priority | Subject   | Assignee               | Updated             | Related issues   |
|------|--|---------|-------------|----------|---|------------------------|---------------------|------------------|
| 3388 | libosmocore                              | Bug     | New         | Normal   | NS-RESET / NS-UNBLOCK / NS-BLOCK are not specified over IP/UDP                  | laforge                | 02/23/2019 02:37 PM | Related to #3388 |
| 3521 | libosmocore                              | Feature | New         | Normal   | core/utils: engineering notation helpers  | fixeria                | 09/04/2018 08:32 PM |                  |
| 3722 | libosmocore                              | Bug     | Feedback    | Normal   | osmo_clock_gettime broke build on MacOS   | pespin                 | 09/20/2019 10:38 AM |                  |
| 3867 | libosmocore                              | Bug     | New         | Normal   | Some older Osmocom program releases don't build against current master libosmo* | osmith                 | 03/28/2019 04:30 PM | Related to #3867 |
| 3909 | libosmocore                              | Bug     | New         | Normal   | osmo_get_rand_id() fails in containerised environment                           |                        | 04/07/2019 04:05 PM | Related to #3909 |
| 3983 | libosmocore                              | Bug     | New         | Normal   | osmo_fsm_inst_change_parent() forgets to talloc reparent                        |                        | 05/08/2019 08:00 AM |                  |
| 4028 | libosmocore                              | Bug     | New         | Normal   | libosmocore build job hangs indefinitely / port 42000 already used              | osmith                 | 07/18/2019 05:50 AM |                  |
| 4053 | libosmocore                              | Feature | New         | Normal   | CTRL: Add CTRL cmd introspection to print documentation                         | Hoernchen              | 06/14/2019 08:23 PM | Related to #4053 |
| 4074 | libosmocore                              | Bug     | New         | Normal   | LAPD timers completely broken   | Osmocom CNI Developers | 06/21/2019 04:12 PM | Related to #4074 |
| 4104 | libosmocore                              | Bug     | New         | Normal   | support for KASME generation  | laforge                | 07/12/2019 10:15 AM | Related to #4105 |
| 4105 | libosmocore                              | Feature | New         | Normal   | Support for LTE key derivation functions  | laforge                | 07/13/2019 02:07 AM | Related to #4105 |
| 4149 | libosmocore                              | Bug     | New         | Normal   | osmo_fsm allows event names to have spaces in them                              | laforge                | 08/24/2019 12:31 PM |                  |
| 4265 | libosmocore                              | Bug     | New         | Normal   | --enable-embedded doesn't work as expected                                      |                        | 11/12/2019 11:18 AM |                  |
| 2797 | linmodem                                 | Bug     | New         | Normal   | X11 support is 16bit plane only   |                        | 01/01/2018 02:48 PM |                  |
| 2798 | linmodem                                 | Feature | New         | Normal   | ALSA Soundcard Support  |                        | 01/01/2018 12:02 PM |                  |
| 2799 | linmodem                                 | Feature | New         | Normal   | SIP client support  |                        | 01/01/2018 12:04 PM |                  |
| 2800 | linmodem                                 | Feature | New         | Normal   | Interop testing with real modems  |                        | 01/01/2018 12:16 PM |                  |
| 2801 | linmodem                                 | Feature | New         | Normal   | V.90 completion   |                        | 01/01/2018 12:18 PM |                  |
| 2815 | linmodem                                 | Feature | New         | Normal   | modern ptmx / pty handling (UNIX 98)  |                        | 01/01/2018 02:48 PM |                  |
| 1832 | Linux Kernel GTP-U                       | Feature | New         | Normal   | OpenvSwitch GTP-u patch for 2.5   |                        | 10/27/2016 08:56 AM |                  |
| 1952 | Linux Kernel GTP-U                       | Bug     | New         | Normal   | IPv6 support for inner (user) IP layer missing                                  |                        | 02/18/2017 12:29 PM |                  |
| 1953 | Linux Kernel GTP-U                       | Bug     | New         | Normal   | IPv6 support for outer (transport) IP layer missing                             |                        | 02/19/2017 04:45 PM |                  |
| 4241 | m.2 (NGFF) WWAN modem USB breakout board | Bug     | In Progress | Normal   | measure insertion loss for two alternatives of RF adapter on VNA up to 3GHz     | roh                    | 10/25/2019 04:26 PM |                  |
| 64   | Miscellaneous Projects                   | Bug     | New         | Normal   | osmo-bts-amp: 2.2uF capacitors next to PA need to be 0603, not 0805             | tnt                    | 02/21/2016 04:48 PM |                  |
| 3847 | Miscellaneous Projects                   | Feature | New         | Normal   | Osmocom logo with/for black background  | tsaitgaist             | 03/18/2019 08:54 AM | Blocks #3848     |
| 3848 | Miscellaneous Projects                   | Feature | In Progress | Normal   | Osmocom stickers with black background / non-rectangular outline                | maike                  | 09/04/2019 09:28 AM | Blocks #3848     |
| 3870 | Miscellaneous Projects                   | Feature | In Progress | Normal   | jenkins job generating tarballs of all tagged releases                          | osmith                 | 07/16/2019 07:49 AM | Related to #4084 |
| 1479 | Mobile (in)Security                      | Bug     | New         | Normal   | MTK stack unable to send MO-SMS on TCH/F  |                        | 04/03/2019 09:01 AM |                  |
| 1482 | Mobile (in)Security                      | Bug     | New         | Normal   | Sending the TMSI of the old/previous network                                    |                        | 02/21/2016 04:35 PM |                  |

| #    | Project                | Tracker | Status      | Priority | Subject  | Assignee  | Updated             | Related issues                    |
|------|------------------------|---------|-------------|----------|--|-----------|---------------------|-----------------------------------|
| 3038 | multi-voltage USB UART | Feature | New         | Normal   | Add mounting holes?  |           | 03/07/2018 02:12 AM |                                   |
| 3531 | OP25                   | Bug     | New         | Normal   | Unknown status of the p25 wireshark plugin                                     |           | 09/07/2018 02:46 PM |                                   |
| 3776 | OP25                   | Bug     | New         | Normal   | Build fail using gcc version 7.3.0 Ubuntu 18.04.1 LTS                          |           | 07/05/2019 07:12 PM |                                   |
| 4130 | OP25                   | Bug     | New         | Normal   | OP25 User Interface  |           | 07/26/2019 02:36 AM |                                   |
| 4225 | OP25                   | Support | New         | Normal   | Missing rules in cmake lists?  | 2CS350    | 10/12/2019 02:49 PM |                                   |
| 4094 | OpenBSC                | Bug     | New         | Normal   | multiple crashes due to connection failures / drops                            |           | 07/09/2019 07:41 PM | Related to #4094                  |
| 4112 | OpenBSC                | Bug     | New         | Normal   | OpenBSC fails to compile on openSUSE Tumbleweed (gcc 9.1 with LTO enabled)     | Hoernchen | 07/18/2019 05:25 AM | Related to #4113,Related to #4123 |
| 4064 | osmo-clock-gen         | Support | In Progress | Normal   | bom / parts order / production of 3 clock-gen v2 prototypes                    | mschramm  | 08/04/2019 08:37 PM |                                   |
| 3203 | osmo-fl2k              | Feature | New         | Normal   | have jenkins build verification job  | osmith    | 07/24/2019 09:09 AM |                                   |
| 4174 | osmo-fl2k              | Bug     | New         | Normal   | After the latest commits, the fl2k tools do not exit on first SIGINT           |           | 08/25/2019 04:57 PM |                                   |
| 1899 | osmo-qcdiag            | Bug     | New         | Normal   | osmo-qcdiag: DIAG based pcap tracing (DPL) not working                         |           | 01/11/2017 12:15 PM |                                   |
| 1900 | osmo-qcdiag            | Feature | New         | Normal   | osmo-qcdiag: Add FUSE based access for EFS                                     |           | 01/11/2017 12:15 PM |                                   |
| 1901 | osmo-qcdiag            | Feature | New         | Normal   | osmo-qcdiag: Ability to read/write NV data                                     |           | 01/11/2017 12:15 PM |                                   |
| 1906 | osmo-qcdiag            | Bug     | New         | Normal   | wireshark: fix decoding of (E)GPRS RLC/MAC frames                              | laforge   | 05/19/2019 07:48 AM |                                   |
| 1907 | osmo-qcdiag            | Bug     | New         | Normal   | osmo-qcdiag detects CRC errors relatively often                                |           | 01/23/2017 01:47 AM |                                   |
| 1908 | osmo-qcdiag            | Feature | New         | Normal   | add VTY interface to osmo-qcdiag   | laforge   | 01/12/2017 01:15 PM |                                   |
| 2697 | osmo-qcdiag            | Feature | New         | Normal   | Create and add debian packages for osmo-qcdiag to osmocom debian repositories  |           | 11/30/2017 06:03 PM |                                   |
| 3884 | osmo-remsim            | Feature | New         | Normal   | redesign bankd thread architecture   | laforge   | 05/08/2019 03:31 PM | Precedes #3885,Precedes #3886     |
| 3885 | osmo-remsim            | Feature | New         | Normal   | remsim-server should expose status information                                 | laforge   | 04/01/2019 07:23 PM | Precedes #3885                    |
| 3886 | osmo-remsim            | Feature | New         | Normal   | expose ICCID or even IMSI of all cards on remsim-server                        | laforge   | 05/08/2019 03:31 PM | Precedes #3886                    |
| 3919 | osmo-remsim            | Feature | New         | Normal   | remsim-client ifd_handler for PC/SC integration                                | laforge   | 05/08/2019 03:30 PM |                                   |
| 4119 | osmo-remsim            | Bug     | Feedback    | Normal   | osmo-remsim-client-st2 leaking memory  | roh       | 09/18/2019 06:24 PM | Related to #4119                  |
| 4205 | osmo-remsim            | Bug     | New         | Normal   | ttn3-remsim-test only shows results for bankd                                  | laforge   | 09/13/2019 12:04 PM |                                   |
| 4249 | osmo-remsim            | Feature | New         | Normal   | ability to explicitly provision an "empty SIM card slot" to a modem            | laforge   | 11/07/2019 02:21 PM |                                   |
| 4250 | osmo-remsim            | Bug     | New         | Normal   | osmo-resmsim-bankd requires unreleased libosmocore patch                       | laforge   | 11/07/2019 02:23 PM |                                   |
| 1685 | osmo-sip-connector     | Feature | In Progress | Normal   | osmo-sip-connector: Review and define log statements and which info to include | osmith    | 09/04/2019 09:31 AM |                                   |
| 1686 | osmo-sip-connector     | Feature | New         | Normal   | osmo-sip-connector: Implement call holding on SIP                              | sysmocom  | 09/04/2019 09:31 AM |                                   |
| 3518 | osmo-sip-connector     | Bug     | In Progress | Normal   | Rapid SETUP followed DISC results in lingering B-leg                           | keith     | 04/24/2019 08:39 AM |                                   |

| #    | Project            | Tracker | Status      | Priority | Subject   | Assignee  | Updated             | Related issues   |
|------|--------------------|---------|-------------|----------|---|-----------|---------------------|--|
| 3724 | osmo-sip-connector | Bug     | New         | Normal   | Wrong media format used in SIP INVITE causes one-way audio  |           | 12/11/2018 02:57 PM | Related to #3724   |
| 3741 | osmo-sip-connector | Bug     | New         | Normal   | Unknow call parameters shown in vty   |           | 12/28/2018 02:01 PM |  |
| 3763 | osmo-sip-connector | Bug     | New         | Normal   | Implement correct handling for call answered elsewhere  |           | 01/22/2019 01:03 PM |  |
| 4197 | osmo-sip-connector | Bug     | Feedback    | Normal   | "running broken" if configured IP is not assigned at startup  | lynxis    | 09/15/2019 11:16 PM |  |
| 34   | OsmoBSC            | Bug     | New         | Normal   | ipaccess init code needs proper state machines  |           | 12/10/2017 08:16 PM | Related to #34   |
| 1601 | OsmoBSC            | Feature | In Progress | Normal   | VTY parameters become active when?  |           | 12/10/2017 08:04 PM | Related to #1601   |
| 1614 | OsmoBSC            | Bug     | Stalled     | Normal   | better identification of BTS model / capabilities to BSC  | dexter    | 05/17/2018 01:59 PM | Related to #1614,Related to #2316,Related to #2317,Related to #3799,Related to #3938 |
| 1857 | OsmoBSC            | Feature | New         | Normal   | aggregate and report OML ALERT messages received from BTSs  |           | 12/10/2017 08:16 PM | Related to #1615,Related to #1605  |
| 1858 | OsmoBSC            | Feature | New         | Normal   | make BSC also generate ALERTs   |           | 12/10/2017 07:59 PM |  |
| 1866 | OsmoBSC            | Feature | New         | Normal   | Make use of RSL RF RESOURCE INDICATION (interference measurements)  |           | 12/10/2017 08:15 PM | Related to #1569   |
| 1946 | OsmoBSC            | Feature | New         | Normal   | Add checks to the BSC VTY to prevent configurations known to not work   | sysmocom  | 08/17/2017 06:51 AM | Related to #1614   |
| 2382 | OsmoBSC            | Bug     | New         | Normal   | T3105 not consistently communicated to all BTS models   |           | 03/05/2018 07:02 PM |  |
| 2389 | OsmoBSC            | Feature | New         | Normal   | re-add siemens MRPCI message, dropped during MSCSPLIT   | laforge   | 05/08/2019 05:45 PM | Related to #2257,Related to #2548  |
| 2470 | OsmoBSC            | Feature | New         | Normal   | Proper OML MO (managed object) using osmo_fsm   |           | 12/10/2017 08:16 PM | Related to #34,Related to #2470,Related to #3782                                     |
| 2724 | OsmoBSC            | Feature | New         | Normal   | Improve default timers  | laforge   | 01/04/2018 11:06 AM | Related to #2724   |
| 2781 | OsmoBSC            | Feature | New         | Normal   | Extend OsmBSC TTCN-3 test coverage regarding resource leaks   |           | 07/18/2019 05:04 AM | Related to #2781   |
| 2918 | OsmoBSC            | Feature | New         | Normal   | Implement a function to properly test connection clearing in MSC_ConnectionHandler.ttcn (BSC-Tests)   | Hoernchen | 06/19/2019 08:35 AM |  |
| 2949 | OsmoBSC            | Feature | New         | Normal   | use RR Assignment for Handover within a cell  |           | 02/16/2018 02:52 PM | Related to #3357,Is duplicate of #3277   |
| 2964 | OsmoBSC            | Bug     | In Progress | Normal   | handover_decision_2: measurement report number compared to lchan->meas_rep_last_seen_nr often overflows to zero (255 range) and hence an old report may be seen as new every once per 255 cycle | neels     | 10/10/2018 12:27 PM | Related to #1606   |

| #    | Project | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues                                 |
|------|---------|---------|-------------|----------|---|----------|---------------------|--|
| 3000 | OsmoBSC | Bug     | New         | Normal   | OsmoBSC issues "RSL Connect" command too early -> race conditions   |          | 02/25/2018 12:32 PM | Related to #2470,Related to #4179              |
| 3002 | OsmoBSC | Bug     | New         | Normal   | HO2: handover decision for dynamic timeslots  | neels    | 10/16/2018 01:15 PM | Related to #1606,Related to #1608,Blocks #3002 |
| 3020 | OsmoBSC | Bug     | New         | Normal   | OsmoBSC PCU socket interface not yet tested by BSC_Tests.ttcn   | laforge  | 05/21/2019 06:29 PM |  |
| 3097 | OsmoBSC | Feature | New         | Normal   | ramping of "rxlev access min"   |          | 03/22/2018 11:51 AM | Related to #3097                               |
| 3190 | OsmoBSC | Bug     | New         | Normal   | RSL DELETE INDication not implemented   | osmith   | 07/18/2019 05:42 AM |  |
| 3243 | OsmoBSC | Bug     | New         | Normal   | there is MGW config for each separate 'msc', but the MGW settings are stored only once globally                               |          | 05/07/2018 03:10 PM |  |
| 3330 | OsmoBSC | Feature | New         | Normal   | osmo-bsc: Implement IMMEDIATE ASSIGNMENT EXTENDED   | sysmocom | 06/08/2018 12:14 PM | Related to #3330                               |
| 3357 | OsmoBSC | Bug     | New         | Normal   | osmo-bsc doesn't perform RSL MODE MODIFY on ASSIGNMENT if channel is compatible.  | dexter   | 10/02/2018 02:54 PM | Related to #3357                               |
| 3474 | OsmoBSC | Bug     | New         | Normal   | SDCCH not released if Radio Link Failure / Sending Connection Failure: cause = 0x001 Experienced in osmo-bsc and osmo-bts-trx |          | 08/20/2018 01:02 AM |  |
| 3479 | OsmoBSC | Feature | New         | Normal   | test "every single failure" in osmo-bsc FSMs  |          | 08/20/2018 11:15 AM | Related to #3479                               |
| 3480 | OsmoBSC | Feature | New         | Normal   | handover from TCH/F to TCH/H to reduce load   |          | 10/16/2018 01:15 PM | Related to #3480,Related to #3481              |
| 3481 | OsmoBSC | Feature | New         | Normal   | handover from TCH/H to TCH/F to reduce load   |          | 10/16/2018 01:15 PM | Related to #3481,Related to #3481              |
| 3483 | OsmoBSC | Feature | New         | Normal   | handover decision: if rxlev is ok but rxqual is bad, move from TCH/H to TCH/F   | neels    | 10/16/2018 01:53 PM | Related to #3483                               |
| 3505 | OsmoBSC | Feature | New         | Normal   | ttn3: test inter-BSC HO with encryption enabled   | neels    | 08/28/2018 06:38 PM | Related to #3505                               |
| 3586 | OsmoBSC | Feature | New         | Normal   | support LCLS for inter-BSC handover   | neels    | 01/17/2019 04:18 PM | Related to #3586,Related to #3659              |
| 3637 | OsmoBSC | Bug     | Feedback    | Normal   | handover decision 2: properly check available codecs  | neels    | 10/09/2018 09:45 AM | Related to #3637,Related to #3637              |
| 3656 | OsmoBSC | Feature | New         | Normal   | inter-BSC handover outgoing: compose Cell Identifier List from several ARFCN+BSIC   | neels    | 06/10/2019 10:07 PM | Related to #3656                               |
| 3679 | OsmoBSC | Bug     | Feedback    | Normal   | bsc_vty.c iterates trx to regen sysinfo manually, skips bcch_change_mark bump   | laforge  | 10/31/2018 01:00 AM |  |
| 3682 | OsmoBSC | Feature | New         | Normal   | Intra-domain connection of OsmoBSC to multiple MSCs   |          | 09/04/2019 09:01 AM |  |
| 3690 | OsmoBSC | Bug     | In Progress | Normal   | BSC_Tests.TC_dyn_pdch_osmo_act_deact failure: Unexpected TS Mode: "NONE mode"   |          | 11/13/2018 02:31 PM |  |

| #    | Project    | Tracker | Status      | Priority | Subject   | Assignee  | Updated             | Related issues                    |
|------|------------|---------|-------------|----------|---|-----------|---------------------|-----------------------------------|
| 3708 | OsmoBSC    | Bug     | Feedback    | Normal   | osmo-bsc: Wrong handling of PDCH DEACT NACK   | pespin    | 12/05/2018 04:19 PM | Related to #3708,Related to #3708 |
| 3739 | OsmoBSC    | Feature | New         | Normal   | on osmo-bsc startup, sanity check codec-, pchan-types and AMR rates configuration                       |           | 12/20/2018 01:31 AM |                                   |
| 3744 | OsmoBSC    | Bug     | New         | Normal   | include/osmocombsc/gsm_data.h: OSMO_ASSERT(conn->lchan); failed in conn_get_bts()                       |           | 12/30/2018 10:39 AM |                                   |
| 3806 | OsmoBSC    | Bug     | In Progress | Normal   | OsmoBSC accepts BSSAP with wrong length field   |           | 09/04/2019 09:26 AM | Related to #3806                  |
| 3814 | OsmoBSC    | Bug     | New         | Normal   | MS Power Control Problem with Osmo-BSC and nanoBTS  |           | 02/24/2019 01:15 AM |                                   |
| 3833 | OsmoBSC    | Bug     | Feedback    | Normal   | Fix storage location of AMR S15-S0 bits   | dexter    | 07/29/2019 02:02 PM |                                   |
| 3865 | OsmoBSC    | Bug     | New         | Normal   | nanoBTS: GPRS not working anymore, modems unable to attach in osmo-gsm-tester                           | osmith    | 07/18/2019 05:03 AM | Is duplicate of #3865             |
| 3872 | OsmoBSC    | Feature | New         | Normal   | osmo_scu_prim.conn_id should be picked from a distinct number space for outgoing and incoming N-CONNECT | osmith    | 03/28/2019 08:06 PM | Blocks #3872                      |
| 3975 | OsmoBSC    | Bug     | New         | Normal   | osmo-bsc crash during startup with nokia insite   | laforge   | 07/18/2019 06:00 AM | Related to #3975                  |
| 3976 | OsmoBSC    | Bug     | New         | Normal   | osmo-bsc: heap-use-after-free upon MGW CRCX failure response  | neels     | 05/06/2019 11:03 AM |                                   |
| 4002 | OsmoBSC    | Bug     | In Progress | Normal   | AMR defaults to bandwidth-efficient mode  | laforge   | 05/15/2019 12:59 PM | Related to #4002,Related to #4002 |
| 4070 | OsmoBSC    | Bug     | New         | Normal   | Implement IPA PING/PONG mechanism on RSL and OML  | Hoernchen | 06/21/2019 02:47 PM |                                   |
| 4078 | OsmoBSC    | Bug     | In Progress | Normal   | osmo-bsc: Sends duplicated BSSMAP Clear Request upon HO failure (TC_ho_out_fail_no_ho_detect)           | neels     | 07/08/2019 04:53 PM |                                   |
| 4166 | OsmoBSC    | Bug     | New         | Normal   | BORKEN Error / broken lchan / WAIT_ACTIV_ACK: Timeout   |           | 08/22/2019 11:30 AM |                                   |
| 4193 | OsmoBSC    | Bug     | New         | Normal   | osmux reference pdf has auto-generated plot not displayed in pdf  | pespin    | 10/16/2019 01:05 PM |                                   |
| 4199 | OsmoBSC    | Bug     | New         | Normal   | osmo-bsc.cfg: if 'amr tch-[fh] modes' are not in order, the config is ignored and osmo-bsc still starts |           | 09/12/2019 12:52 AM |                                   |
| 4244 | OsmoBSC    | Bug     | Feedback    | Normal   | Take MS power class into account to calculate appropriate MS Power level                                | pespin    | 11/12/2019 04:59 PM | Related to #4244,Related to #4244 |
| 4264 | OsmoBSC    | Bug     | New         | Normal   | BSC_Tests.TC_ho_neighbor_config_1 test failures   | neels     | 11/12/2019 10:48 AM |                                   |
| 4124 | OsmoBSCNAT | Feature | New         | Normal   | OsmoBSCNAT : Write user manual  | sysmocom  | 07/22/2019 09:02 AM | Related to #4124                  |
| 1575 | OsmoBTS    | Bug     | Stalled     | Normal   | Correctly handle BS_AG_BLK_RES (AGCH/PCH split in DL CCCH)  |           | 09/04/2019 09:15 AM | Related to #1575,Related to #1575 |
| 1577 | OsmoBTS    | Bug     | New         | Normal   | mph_send_config_logchpar doesn't update encryption config   |           | 02/23/2016 03:39 PM |                                   |

| #    | Project | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|---------|---------|-------------|----------|--|----------|---------------------|--|
| 1851 | OsmoBTS | Feature | In Progress | Normal   | generalize power control and TA loop code  | pespin   | 11/14/2019 04:55 PM | Related to #1851,Related to #1851,Related to #1851,Related to #4213,Related to #4244                                   |
| 1852 | OsmoBTS | Feature | New         | Normal   | DTX support for osmo-bts-trx   |          | 02/08/2017 04:09 PM | Is duplicate of #1750  |
| 1979 | OsmoBTS | Bug     | New         | Normal   | Priority of SAPI=0/SAPI=3 on SABM  | sysmocom | 05/08/2019 06:12 PM |  |
| 2906 | OsmoBTS | Bug     | New         | Normal   | gsm_pchan2chan_nr asserts GSM_PCHAN_CCCH: lchan_nr == 0                                    | pespin   | 04/04/2018 08:43 AM |  |
| 2975 | OsmoBTS | Bug     | Stalled     | Normal   | OsmoBTS doesn't generate measurement indications in absence of uplink bursts               | dexter   | 11/17/2019 03:41 PM | Related to #2965,Related to #2975,Related to #2975,Related to #2977,Related to #3665,Blocks #2975                      |
| 2977 | OsmoBTS | Feature | In Progress | Normal   | OsmoBTS measurment processing at L1SAP too complex / pass measurements along with data     | dexter   | 11/11/2019 01:27 PM | Related to #2977,Related to #2977,Related to #3530,Related to #3428,Related to #3395,Related to #2977,Related to #3803 |
| 3036 | OsmoBTS | Feature | New         | Normal   | update vty reference -- and make it so that it can be done without manual edits            | neels    | 03/19/2018 12:11 AM |  |
| 3052 | OsmoBTS | Bug     | Stalled     | Normal   | osmo-bts-sysmo fails to detect RACH bursts from osmocom-bb                                 | laforge  | 03/14/2018 05:42 AM |  |
| 3299 | OsmoBTS | Bug     | Stalled     | Normal   | osmo_ortp: scheduler is not started  | dexter   | 06/25/2018 08:02 PM |  |
| 3329 | OsmoBTS | Feature | New         | Normal   | osmo-bts: Implement IMMEDIATE ASSIGNMENT EXTENDED  | sysmocom | 06/08/2018 12:02 PM | Related to #3330   |
| 3478 | OsmoBTS | Bug     | New         | Normal   | struct member lchan->meas.bts_tx_pwr is never set  | dexter   | 08/20/2018 09:51 AM |  |
| 3510 | OsmoBTS | Bug     | New         | Normal   | Make sure the ECU (Error Concealment Unit) is working correctly                            | tnt      | 05/15/2019 03:48 PM |  |
| 3569 | OsmoBTS | Bug     | Stalled     | Normal   | Some phones don't receive SMSCB  | laforge  | 01/14/2019 03:32 PM |  |
| 3572 | OsmoBTS | Bug     | New         | Normal   | Incorrect TDMA frame number calculation on TCH channels                                    | sysmocom | 05/08/2019 06:08 PM | Related to #3803   |
| 3612 | OsmoBTS | Bug     | Stalled     | Normal   | osmo-bts-trx: heap-use-after-free in e1inp_sign_link_destroy                               | pespin   | 10/03/2018 12:54 PM | Related to #4094   |
| 3665 | OsmoBTS | Bug     | Stalled     | Normal   | TTCN3 BTS_Tests last SACCH burst received too late -> wrong fake uplink measurement report | pespin   | 10/25/2018 09:35 AM | Related to #3665,Related to #3665,Related to #3665   |
| 3703 | OsmoBTS | Bug     | New         | Normal   | sporadic failures of TC_tch_sign_l2_fill_frame test case                                   |          | 11/22/2018 02:58 PM |  |



| #    | Project                                    | Tracker | Status      | Priority | Subject  | Assignee  | Updated             | Related issues  |
|------|--|---------|-------------|----------|--|-----------|---------------------|---|
| 3750 | OsmoBTS                                    | Feature | In Progress | Normal   | Extension of BTS_Tests.ttcn test coverage  | Hoernchen | 11/16/2019 07:49 PM | Related to #4008,Related to #4009,Related to #4011,Related to #3750,Related to #4023,Related to #4031,Related to #4035,Related to #3750 |
| 3780 | OsmoBTS                                    | Bug     | New         | Normal   | existing test suite doesn't catch wrong measurement processing                                     | Hoernchen | 07/12/2019 04:27 PM |   |
| 3782 | OsmoBTS                                    | Bug     | New         | Normal   | OML bringup fails for osmo-bts-oc2g on high latency links  | dexter    | 03/26/2019 08:26 AM | Related to #3782,Related to #3782,Related to #3789,Related to #4031   |
| 3789 | OsmoBTS                                    | Bug     | Stalled     | Normal   | BTS permits OPSTART of MO without attributes   | laforge   | 02/23/2019 02:33 PM | Related to #3789,Related to #3789   |
| 3792 | OsmoBTS                                    | Bug     | New         | Normal   | OsmoBTS doesn't include the "Starting Time" attribute in "Set BTS Attributes ACK"                  | osmith    | 07/18/2019 06:05 AM |   |
| 3803 | OsmoBTS                                    | Bug     | In Progress | Normal   | fix frame number calculation in scheduler_trx  | dexter    | 10/29/2019 08:34 AM | Related to #3803,Related to #3803,Related to #3803  |
| 4008 | OsmoBTS                                    | Bug     | New         | Normal   | Channel Activation starts SACCH too early in Asynchronous Handover                                 |           | 07/18/2019 05:15 AM | Related to #4008,Related to #4010   |
| 4009 | OsmoBTS                                    | Bug     | New         | Normal   | Channel Activation starts SACCH too early in Synchronous Handover                                  |           | 07/18/2019 05:15 AM | Related to #4009,Related to #4010   |
| 4023 | OsmoBTS                                    | Bug     | Stalled     | Normal   | Missing coverage of PCU interface in osmo-bts  |           | 11/18/2019 08:24 AM | Related to #4023  |
| 4031 | OsmoBTS                                    | Bug     | New         | Normal   | OML part of BTS has no TTCN-3 tests  |           | 09/04/2019 09:04 AM | Related to #4031,Related to #4031   |
| 4082 | OsmoBTS                                    | Bug     | New         | Normal   | OML: Unknown/unhandled PCHAN type: 0 NONE  |           | 11/17/2019 09:18 PM |   |
| 4179 | OsmoBTS                                    | Bug     | New         | Normal   | Race condition: OsmoBTS sends empty INFO_ind to PCU socket, if not all SI arrived from BSC via RSL | osmith    | 09/04/2019 09:29 AM | Related to #4179,Related to #4179   |
| 3672 | Osmocom Analog                             | Feature | New         | Normal   | Custom announcement and tones  |           | 10/25/2018 05:10 PM |   |
| 2179 | Osmocom Conferences (OsmoDevCon + OsmoCon) | Bug     | New         | Normal   | no sign about OsmoCon outside of venue   |           | 04/24/2017 07:10 PM |   |

| #    | Project                                    | Tracker | Status      | Priority | Subject   | Assignee   | Updated             | Related issues   |
|------|--|---------|-------------|----------|---|------------|---------------------|------------------|
| 2292 | Osmocom Conferences (OsmoDevCon + OsmoCon) | Bug     | New         | Normal   | Time with community users during OsmoCon  |            | 05/25/2017 03:03 PM |                  |
| 3200 | Osmocom Conferences (OsmoDevCon + OsmoCon) | Bug     | New         | Normal   | OsmoDevCon: Use loudspeakers even at IN-Berlin  |            | 04/23/2018 06:53 PM |                  |
| 3201 | Osmocom Conferences (OsmoDevCon + OsmoCon) | Bug     | New         | Normal   | OsmoDevCon: Add one more rectangular table  |            | 04/23/2018 07:00 PM |                  |
| 1673 | Osmocom.org Servers                        | Feature | New         | Normal   | Make the old trac sqlite3 pages available   | zecke      | 03/25/2016 12:34 PM |                  |
| 1984 | Osmocom.org Servers                        | Feature | New         | Normal   | make list archives more readable/accessible   |            | 03/15/2017 11:20 AM |                  |
| 2015 | Osmocom.org Servers                        | Bug     | Stalled     | Normal   | redmine/gerrit authentication expires too often/frequently                                | zecke      | 03/27/2018 01:44 PM |                  |
| 2492 | Osmocom.org Servers                        | Bug     | Stalled     | Normal   | build-2 has early/buggy Ryzen 7 core  | laforge    | 09/06/2017 09:42 AM |                  |
| 2681 | Osmocom.org Servers                        | Bug     | New         | Normal   | bogus user accounts + spam  |            | 11/23/2017 06:59 PM |                  |
| 2945 | Osmocom.org Servers                        | Feature | New         | Normal   | Use "--config-cache" configure option to speed up builds                                  | zecke      | 02/14/2018 09:50 PM |                  |
| 3071 | Osmocom.org Servers                        | Bug     | New         | Normal   | docker-in-lxc setup results in high lxcfs CPU load  | laforge    | 03/17/2018 12:24 PM |                  |
| 3076 | Osmocom.org Servers                        | Feature | Stalled     | Normal   | migrate to new (2018-03) server "host2.osmocom.org"                                       | laforge    | 05/29/2018 11:24 PM |                  |
| 3083 | Osmocom.org Servers                        | Feature | New         | Normal   | migrate trac to new server?   | laforge    | 06/13/2018 09:55 AM |                  |
| 3307 | Osmocom.org Servers                        | Feature | In Progress | Normal   | migrate mail.osmocom.org / lists.osmocom.org to container on host2                        | laforge    | 10/07/2018 01:35 PM | Related to #3305 |
| 3308 | Osmocom.org Servers                        | Bug     | New         | Normal   | jenkins: master-asn1c build: "error: 'param' undeclared"                                  |            | 08/20/2018 04:09 PM |                  |
| 3322 | Osmocom.org Servers                        | Feature | New         | Normal   | Header image needed for our OpenCollective site   | tsaitgaist | 06/06/2018 08:30 PM |                  |
| 3354 | Osmocom.org Servers                        | Bug     | New         | Normal   | Gerrit: wrong redirect URL after signing in   |            | 06/18/2018 09:20 PM |                  |
| 3471 | Osmocom.org Servers                        | Bug     | New         | Normal   | host2.osmocom.org not starting all services on reboot.                                    | laforge    | 08/18/2018 01:50 PM |                  |
| 3631 | Osmocom.org Servers                        | Feature | In Progress | Normal   | migrate/upgrade openmoko.org mediawiki to osmocom-host2                                   | laforge    | 10/07/2018 09:29 AM |                  |
| 3736 | Osmocom.org Servers                        | Bug     | In Progress | Normal   | sporadic segmentation faults on jenkins build slave                                       |            | 12/16/2018 04:08 PM |                  |
| 4083 | Osmocom.org Servers                        | Bug     | New         | Normal   | git.osmocom.org: error: garbage at end of loose object                                    | sysmocom   | 10/21/2019 12:15 PM |                  |
| 4243 | Osmocom.org Servers                        | Bug     | New         | Normal   | master-simtrace2 failed to build from October 19 onwards: \$WORKSPACE environment missing | osmith     | 10/30/2019 08:29 AM |                  |
| 1916 | OsmocomBB                                  | Bug     | New         | Normal   | building GNU ARM toolchain with gcc-4.8 fails on modern texinfo                           |            | 10/16/2017 02:14 PM |                  |
| 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 |                  |
| 1990 | OsmocomBB                                  | Bug     | Feedback    | Normal   | bb nand flash   | yangkkokk  | 07/10/2017 10:22 PM |                  |
| 2378 | OsmocomBB                                  | Feature | New         | Normal   | Remove copy-pasted libosmocore ("git subtree") from osmocom-bb.git                        |            | 10/24/2018 02:13 PM |                  |
| 2379 | OsmocomBB                                  | Feature | New         | Normal   | package as .deb   | fixeria    | 07/18/2019 05:43 AM |                  |

| #    | Project                    | Tracker | Status   | Priority | Subject   | Assignee | Updated             | Related issues  |
|------|----------------------------|---------|----------|----------|---|----------|---------------------|---|
| 2555 | OsmocomBB                  | Feature | Stalled  | Normal   | script interface to OsmocomBB "mobile"  |          | 09/04/2019 02:54 PM | Related to #2555,Related to #2555,Blocks #2893                      |
| 2690 | OsmocomBB                  | Bug     | New      | Normal   | ASAN issue on shutdown/no shutdown SYSINFO access                               |          | 11/29/2017 09:33 AM |   |
| 2694 | OsmocomBB                  | Bug     | New      | Normal   | SIGSEGV in lapdm code   |          | 11/30/2017 08:45 AM |   |
| 2704 | OsmocomBB                  | Support | Feedback | Normal   | set up FCDEV1B board so it can be remotely accessed remotely                    | roh      | 10/22/2019 02:58 PM | Related to #3581,Related to #3582                                   |
| 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 |   |
| 2995 | OsmocomBB                  | Bug     | New      | Normal   | Wrong parsing of PAGING TYPE 3  |          | 02/24/2018 11:03 PM | Related to #2994  |
| 3397 | OsmocomBB                  | Feature | New      | Normal   | target/firmware: get rid of libosmocodec dependency                             | fixeria  | 07/16/2018 08:22 PM |   |
| 3400 | OsmocomBB                  | Feature | Stalled  | Normal   | mobile: implement GAPK based audio capture / playback (via ALSA)                | fixeria  | 10/04/2018 09:11 PM | Blocks #3400  |
| 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 |   |
| 3554 | OsmocomBB                  | Bug     | New      | Normal   | trxcon/scheduler: misaligned burst reception                                    | fixeria  | 06/21/2019 11:56 AM |   |
| 3557 | OsmocomBB                  | Bug     | New      | Normal   | trxcon: decoding errors after applying a new TCH mode                           | fixeria  | 06/21/2019 11:56 AM |   |
| 3582 | OsmocomBB                  | Feature | Stalled  | Normal   | Merge reading of factory RF calibration values                                  | fixeria  | 03/17/2019 09:10 AM | Related to #3582,Related to #3582,Related to #3582,Related to #3801 |
| 3629 | OsmocomBB                  | Bug     | New      | Normal   | mobile aborting after 'test re-selection 1' on vty                              |          | 10/04/2018 02:58 PM |   |
| 3652 | OsmocomBB                  | Bug     | New      | Normal   | Incorrect IMEISV setting in mobile application                                  |          | 10/12/2018 08:20 PM |   |
| 3653 | OsmocomBB                  | Bug     | New      | Normal   | FACCH/H sometimes not received by BTS with osmocomBB+motorolaCXX                |          | 10/22/2018 02:37 PM |   |
| 3666 | OsmocomBB                  | Feature | New      | Normal   | Introduce VTY interface   | fixeria  | 06/21/2019 11:56 AM | Related to #3667  |
| 3669 | OsmocomBB                  | Bug     | New      | Normal   | empty IMSI in vty   |          | 10/24/2018 04:15 PM |   |
| 3761 | OsmocomBB                  | Feature | New      | Normal   | Separate TDMA scheduler into a library (libtdmasched)                           | fixeria  | 06/21/2019 11:56 AM |   |
| 1896 | OsmoGGSN (former OpenGGSN) | Bug     | New      | Normal   | ggsn unable to set tun interface on FreeBSD v11                                 |          | 12/23/2016 03:36 AM |   |
| 2946 | OsmoGGSN (former OpenGGSN) | Feature | New      | Normal   | Add test suite for sgsnemu  | pespin   | 05/30/2018 02:18 PM |   |
| 3208 | OsmoGGSN (former OpenGGSN) | Bug     | Stalled  | Normal   | automatic test setup for OsmoGGSN with kernel-gtp-u                             | laforge  | 10/17/2018 10:14 AM | Related to #3208  |
| 4033 | OsmoGGSN (former OpenGGSN) | Feature | New      | Normal   | ttn3-ggsn-test: Add tests to verify secondary pdp context management            |          | 05/30/2019 03:19 PM |   |

| #    | Project                    | Tracker | Status      | Priority | Subject   | Assignee        | Updated             | Related issues                                 |
|------|----------------------------|---------|-------------|----------|---|-----------------|---------------------|--|
| 4114 | OsmoGGSN (former OpenGGSN) | Bug     | New         | Normal   | osmo-ggsn fails to compile on openSUSE Tumbleweed (gcc 9.1 with LTO enabled)            | Hoernchen       | 07/18/2019 05:24 AM | Related to #4114,Related to #4123              |
| 4154 | OsmoGGSN (former OpenGGSN) | Bug     | Feedback    | Normal   | Duplicated PDP context entries  | keith           | 09/02/2019 10:58 AM | Related to #4161,Related to #4165              |
| 4161 | OsmoGGSN (former OpenGGSN) | Bug     | New         | Normal   | Implement pdp idle timer  | pespin          | 08/20/2019 06:30 PM | Related to #4161                               |
| 4172 | OsmoGGSN (former OpenGGSN) | Bug     | New         | Normal   | osmoggsn crashes when stopping  |                 | 08/29/2019 11:35 AM |  |
| 2189 | OsmoGSMTester              | Bug     | New         | Normal   | ofono: EC20: cannot send SMS  | lynxis          | 11/28/2017 04:21 PM |  |
| 2197 | OsmoGSMTester              | Feature | Stalled     | Normal   | osmo-gsm-tester: use MNCC interface   | osmo-gsm-tester | 11/30/2017 10:41 AM | Related to #2194,Is duplicate of #2197         |
| 2230 | OsmoGSMTester              | Feature | New         | Normal   | osmo-gsm-tester: arfcn as resource  | osmo-gsm-tester | 12/14/2017 04:08 PM | Related to #2230                               |
| 2237 | OsmoGSMTester              | Bug     | Feedback    | Normal   | ofono: Gobi modem: successful SMS delivery is evaluated as not successful               | lynxis          | 06/07/2018 02:08 PM | Related to #2237,Related to #2237,Blocks #2237 |
| 2238 | OsmoGSMTester              | Bug     | In Progress | Normal   | ofono: Gobi modem: cannot receive SMS   | lynxis          | 01/04/2018 11:07 AM | Related to #2238                               |
| 2266 | OsmoGSMTester              | Feature | New         | Normal   | in the gsm tester, use ipa.py from openbsc instead of the current CTRL implementation   | osmo-gsm-tester | 10/16/2017 12:36 PM |  |
| 2303 | OsmoGSMTester              | Feature | New         | Normal   | in the jenkins builds for osmo-gsm-tester, disable and/or exclude static libraries      | osmo-gsm-tester | 05/30/2017 12:17 PM |  |
| 2311 | OsmoGSMTester              | Feature | New         | Normal   | osmo-gsm-tester: add test case: smpp: smpp_first feature                                | osmo-gsm-tester | 05/31/2017 04:21 PM |  |
| 2313 | OsmoGSMTester              | Feature | New         | Normal   | osmo-gsm-tester: add test case: smpp: imsi extension                                    | osmo-gsm-tester | 05/31/2017 04:27 PM |  |
| 2314 | OsmoGSMTester              | Feature | New         | Normal   | osmo-gsm-tester: add test case: smpp: correct ESME routing                              | osmo-gsm-tester | 05/31/2017 04:29 PM |  |
| 2318 | OsmoGSMTester              | Feature | New         | Normal   | testing sysmobts: skip copying of binaries when the same are already installed          | osmo-gsm-tester | 06/07/2017 03:55 PM |  |
| 2374 | OsmoGSMTester              | Feature | New         | Normal   | osmo-gsm-tester: add test case: sms between MS with delivery report                     | osmo-gsm-tester | 08/10/2017 04:37 PM |  |
| 2399 | OsmoGSMTester              | Feature | New         | Normal   | add tests for graceful restart of individual components                                 | osmo-gsm-tester | 07/25/2017 12:02 AM |  |
| 2431 | OsmoGSMTester              | Bug     | New         | Normal   | osmo-gsm-tester: add test case: MS sends SMS to ESME                                    | osmo-gsm-tester | 08/10/2017 03:47 PM |  |
| 2463 | OsmoGSMTester              | Bug     | New         | Normal   | Add doc on dependencies needed for the jenkins slave running osmo-gsm-tester-gerrit job | pespin          | 04/10/2018 02:08 PM | Related to #2463,Related to #2463              |
| 2497 | OsmoGSMTester              | Support | Stalled     | Normal   | Set up SIM cards with auth algo other than comp128v1                                    | daniel          | 10/15/2019 11:44 AM | Related to #2475                               |
| 2504 | OsmoGSMTester              | Support | New         | Normal   | check whether running osmo-* from docker images is feasible on osmo-gsm-tester          | osmo-gsm-tester | 09/08/2017 12:44 PM |  |

| #    | Project       | Tracker | Status      | Priority | Subject  | Assignee        | Updated             | Related issues   |
|------|---------------|---------|-------------|----------|--|-----------------|---------------------|--|
| 2511 | OsmoGSMTester | Bug     | New         | Normal   | ofono: check all services for simple use before register race condition  | lynxis          | 10/10/2017 09:15 AM | Related to #2456,Related to #2458  |
| 2615 | OsmoGSMTester | Bug     | New         | Normal   | Add API to check GPS lock in BTS   | osmo-gsm-tester | 11/03/2017 05:00 PM |  |
| 2621 | OsmoGSMTester | Bug     | New         | Normal   | Gobi2000: might stopped working because all CID got assigned   | lynxis          | 11/15/2017 11:07 AM |  |
| 2646 | OsmoGSMTester | Feature | New         | Normal   | osmo-gsm-tester: Add osmo-sip-connector support  | osmo-gsm-tester | 04/23/2018 10:40 AM |  |
| 2662 | OsmoGSMTester | Bug     | New         | Normal   | osmo-gsm-tester: Test voice:trx-sysmocell5000 sometimes fails since update to use osmo-mgw                                     | osmo-gsm-tester | 01/22/2018 10:42 AM |  |
| 2683 | OsmoGSMTester | Bug     | In Progress | Normal   | ofono: EC20 failing to create ipv6 or dual contexts  | lynxis          | 12/15/2017 11:41 AM | Related to #2713,Blocks #2683  |
| 2707 | OsmoGSMTester | Feature | New         | Normal   | Add support for verifying content of log files after test is run   | osmo-gsm-tester | 12/04/2017 05:05 PM |  |
| 2713 | OsmoGSMTester | Bug     | New         | Normal   | ofono: chosen pdp type (v4, v6, dual) not strictly followed in ofono qmi   | lynxis          | 12/07/2017 01:25 PM | Related to #2713   |
| 2860 | OsmoGSMTester | Feature | New         | Normal   | osmo-gsm-tester: Add 3g support with nano3G board  | pespin          | 09/20/2019 11:41 AM | Related to #2860   |
| 2861 | OsmoGSMTester | Feature | New         | Normal   | osmo-gsm-tester: Add 3g support for sysmocell-5k   | osmo-gsm-tester | 05/30/2018 02:58 PM | Related to #2860   |
| 2941 | OsmoGSMTester | Bug     | New         | Normal   | ofono: SierraW sometimes crashing while deactivating a context.  | lynxis          | 02/13/2018 04:16 PM |  |
| 3046 | OsmoGSMTester | Bug     | New         | Normal   | ofono: SierraW modem fails to power on   | lynxis          | 03/09/2018 10:58 AM |  |
| 3068 | OsmoGSMTester | Bug     | New         | Normal   | resource objects leaked or destroyed too late  | pespin          | 03/15/2018 06:36 PM |  |
| 3234 | OsmoGSMTester | Feature | New         | Normal   | osmo-gsm-tester: poll the python-smpplib socket using non-busy approach  | pespin          | 05/04/2018 12:22 PM | Related to #2512   |
| 3320 | OsmoGSMTester | Bug     | New         | Normal   | add a README about the python dependencies   | pespin          | 06/06/2018 08:38 AM |  |
| 3324 | OsmoGSMTester | Bug     | New         | Normal   | production setup: EC20 fails to enumerate  | lynxis          | 06/23/2018 06:55 PM |  |
| 3560 | OsmoGSMTester | Bug     | Stalled     | Normal   | nanoBTS multiTRX tests in osmo-gsm-tester Prod setup failing   | pespin          | 09/04/2019 09:16 AM | Related to #3560,Related to #3560,Related to #3628,Is duplicate of #3475 |
| 3564 | OsmoGSMTester | Feature | New         | Normal   | Investigate ofono and modems Cell Broadcast support  | lynxis          | 09/29/2018 08:57 AM | Related to #3564   |
| 3676 | OsmoGSMTester | Bug     | New         | Normal   | ofono: org.ofono.ConnectionManager property Bearer returning "none"  | osmo-gsm-tester | 10/29/2018 01:11 PM |  |
| 3740 | OsmoGSMTester | Bug     | New         | Normal   | Figure out best fix for iperf3m4.py where some MS fails to register  | pespin          | 12/20/2018 05:50 PM |  |
| 3902 | OsmoGSMTester | Support | New         | Normal   | osmo-ci: ansible: gsm-tster: Drop local copy of osmo-gsm-tester shell helpers and install them from osmo-gsm-tester.git master | lynxis          | 04/04/2019 02:59 PM |  |
| 3917 | OsmoGSMTester | Bug     | New         | Normal   | update debian packages to match our dependencies   | lynxis          | 04/11/2019 04:12 PM |  |
| 3931 | OsmoGSMTester | Support | New         | Normal   | Contact quectel to get info about modem updates (hopefully less crashes)   | sysmocom        | 04/15/2019 01:40 PM | Related to #3931   |
| 4151 | OsmoGSMTester | Bug     | Stalled     | Normal   | osmo-gsm-tester: osmo-trx-lms process sometimes kept forever in zombie-alike state after killing it                            | pespin          | 09/17/2019 11:22 AM | Related to #4151   |

| #    | Project   | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues  |
|------|-----------|---------|-------------|----------|--|----------|---------------------|---|
| 2542 | OsmoHLR   | Feature | In Progress | Normal   | have subscriber create-on-demand   | osmith   | 07/15/2019 07:24 AM | Related to #2541  |
| 2796 | OsmoHLR   | Bug     | In Progress | Normal   | OsmoHLR doesn't update VLR during UpdateLocation   | neels    | 10/08/2018 10:15 PM | Related to #3154,Related to #3355,Related to #3356,Related to #3601 |
| 3644 | OsmoHLR   | Feature | New         | Normal   | allow arbitrary bytes in Global Title (GT), a.k.a. the VLR,SGSN's identification towards the HLR                                 |          | 10/11/2018 11:54 AM | Related to #3644,Related to #3644                                   |
| 4163 | OsmoHLR   | Bug     | New         | Normal   | Subscriber on demand: "Error while deleting subscriber data for IMSI" after changing network access mode from cs+ps back to none | osmith   | 08/22/2019 01:41 PM |   |
| 1997 | OsmoHNBGW | Feature | New         | Normal   | Improve error check at compilation time  |          | 04/10/2017 11:12 AM |   |
| 2588 | OsmoHNBGW | Bug     | New         | Normal   | OsmoHNBGW has no user manual   | daniel   | 03/16/2018 07:54 PM | Related to #2588  |
| 3820 | OsmoHNBGW | Bug     | New         | Normal   | osmo-hnbgw does not properly do RANAP RESET and RESET ACK on the link towards MSC and SGSN                                       |          | 03/04/2019 07:59 PM | Related to #3944  |
| 4158 | OsmoHNBGW | Bug     | New         | Normal   | segfault when paging, in a situation with duplicate CID in hnb register requests   |          | 08/21/2019 12:38 AM | Related to #4162  |
| 4162 | OsmoHNBGW | Bug     | New         | Normal   | when hnb with duplicate CID show up, rejected hnbap requests build up in the hnb list  |          | 08/21/2019 12:34 AM | Related to #4162  |
| 1936 | OsmoMGW   | Feature | Stalled     | Normal   | Implementation of luUP SMpSDU mode   | laforge  | 10/17/2018 10:14 AM | Precedes #1937  |
| 1937 | OsmoMGW   | Feature | New         | Normal   | Implement way how to handle luUP on RTP endpoints  | laforge  | 10/17/2018 10:14 AM | Related to #3411,Precedes #2459,Precedes #1937                      |
| 2459 | OsmoMGW   | Feature | New         | Normal   | remove nano3G luUP "Initialization ACK" hack when luUP proxy is in place   |          | 05/30/2018 02:59 PM | Related to #3411,Precedes #2459                                     |
| 2523 | OsmoMGW   | Feature | New         | Normal   | transcoding: remove "not yet implemented" from MNCC manual once transcoding is in place  | daniel   | 03/16/2018 07:54 PM |   |
| 2650 | OsmoMGW   | Bug     | New         | Normal   | how can osmo-mgw send a dummy RTP packet before CRCX ACK?  | dexter   | 05/16/2019 02:39 PM | Related to #4005  |
| 2981 | OsmoMGW   | Bug     | New         | Normal   | make check: mgcp test failed   |          | 02/22/2018 10:14 AM | Related to #2981,Related to #2982,Related to #2981                  |
| 3442 | OsmoMGW   | Bug     | New         | Normal   | fix int mgcp_codec_decide() in mgcp_codec.c  |          | 09/04/2019 09:26 AM |   |
| 3443 | OsmoMGW   | Bug     | New         | Normal   | Check audio-payload options in osmo-mgw VTY  |          | 08/02/2018 03:59 PM |   |
| 3490 | OsmoMGW   | Feature | New         | Normal   | Add config option to allow arbitrary domain names in endpoints   |          | 08/20/2018 10:08 PM | Related to #3490  |
| 3511 | OsmoMGW   | Bug     | In Progress | Normal   | osmo-mgw does not forward RTP packets anymore  |          | 08/29/2018 04:33 PM |   |

| #    | Project | Tracker | Status   | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|---------|---------|----------|----------|--|----------|---------------------|--|
| 3731 | OsmoMGW | Bug     | New      | Normal   | TTCN3 TC_rtpem_selftest randomly fails   | daniel   | 12/13/2018 12:37 PM |  |
| 3849 | OsmoMGW | Bug     | New      | Normal   | race condition problem in rtp flow tests of the ttcn3 testsuite                    |          | 09/04/2019 09:26 AM |  |
| 3980 | OsmoMGW | Bug     | New      | Normal   | Clear Command before CRCX OK may leak MGW endpoint                                 |          | 05/06/2019 10:11 PM |  |
| 4005 | OsmoMGW | Bug     | New      | Normal   | TTCN3 crashes when receiving an RTP MGCP_DUMMY_LOAD from osmo-mgw during CRCX      | sysmocom | 05/16/2019 02:45 PM | Related to #4005   |
| 4034 | OsmoMGW | Bug     | New      | Normal   | Bad default value for number of endpoints  |          | 05/31/2019 02:52 PM |  |
| 4079 | OsmoMGW | Support | Feedback | Normal   | Create Endpoint  | Osmocorn | 07/01/2019 02:27 PM |  |
| 4092 | OsmoMGW | Feature | New      | Normal   | Osmux: Support dynamic allocation of osmux sockets                                 | pespin   | 07/05/2019 05:15 PM | Related to #4092   |
| 4153 | OsmoMGW | Bug     | New      | Normal   | 3G voice broken with ALu 9361 femto  |          | 08/16/2019 10:45 AM |  |
| 41   | OsmoMSC | Bug     | New      | Normal   | Numbering Plan in OsmoMSC  |          | 06/23/2018 07:37 PM |  |
| 1599 | OsmoMSC | Feature | New      | Normal   | Gs interface (BSSMAP+) between SGSN and MSC/VLR                                    |          | 10/29/2017 09:07 PM | Related to #1583,Related to #1747,Related to #1599                                   |
| 2191 | OsmoMSC | Feature | New      | Normal   | raw PDU mode for SMPP  |          | 12/23/2017 05:48 PM |  |
| 2390 | OsmoMSC | Feature | New      | Normal   | re-add osmocorn specific TLVs to SMPP messages                                     |          | 12/23/2017 05:48 PM |  |
| 2487 | OsmoMSC | Feature | Stalled  | Normal   | MSC side of LCLS (local call local switching) as per the 3GPP specs                |          | 09/04/2019 09:05 AM | Related to #1602,Related to #3659,Related to #3691,Related to #3618,Related to #3294 |
| 2788 | OsmoMSC | Feature | New      | Normal   | OsmoMSC should handle CM Service Abort message                                     | neels    | 01/04/2018 10:37 AM |  |
| 2795 | OsmoMSC | Feature | New      | Normal   | Handle UTRAN_CLSM_CHG in MSC   | neels    | 04/30/2018 12:06 PM | Related to #3043   |
| 2846 | OsmoMSC | Bug     | New      | Normal   | MSC doesn't close SCCP/BSSAP connection on CM SERV REQ tht cannot be parsed        | osmith   | 07/18/2019 05:44 AM |  |
| 2851 | OsmoMSC | Bug     | Stalled  | Normal   | a_iface.c:534 Unhandled SIGTRAN primitive: 3:2                                     |          | 07/18/2019 05:45 AM |  |
| 2872 | OsmoMSC | Bug     | Feedback | Normal   | OsmoMSC doesn't check if CIPHER MODE COMPLETE contains cipher that matches REQUEST | neels    | 07/29/2019 01:15 PM |  |
| 2877 | OsmoMSC | Bug     | New      | Normal   | OsmoMSC fails on bearer capability without octet 3a                                | osmith   | 07/18/2019 05:45 AM |  |
| 2883 | OsmoMSC | Bug     | New      | Normal   | GSUP encoding of MSISDN is wrong   | sysmocom | 08/08/2018 11:03 AM |  |
| 2895 | OsmoMSC | Bug     | New      | Normal   | OsmoMSC excessively uses LU Reject Cause 22 (congestion)                           | osmith   | 07/18/2019 05:41 AM |  |
| 2916 | OsmoMSC | Bug     | New      | Normal   | asan failure on debian unstable in msc_vlr_test_gsm_ciph                           |          | 02/09/2018 04:20 PM |  |
| 2928 | OsmoMSC | Bug     | New      | Normal   | OsmoMSC doesn't do BSSMAP ASSIGNMENT if no MNCC_RTP_CREATE is received             | sysmocom | 02/11/2018 05:38 PM |  |
| 2943 | OsmoMSC | Bug     | New      | Normal   | Errors in MGCP do not propagate back to MNCC gsm_subscriber_conn state machine     |          | 09/04/2019 09:21 AM |  |

| #    | Project | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues        |
|------|---------|---------|-------------|----------|--|----------|---------------------|-----------------------|
| 3069 | OsmoMSC | Feature | New         | Normal   | investigate multiple CM Service Request on the same conn                           | neels    | 05/09/2019 12:30 AM | Is duplicate of #3069 |
| 3110 | OsmoMSC | Bug     | New         | Normal   | Test and possibly fix ID Request after Auth failure                                | neels    | 09/30/2018 11:36 AM |                       |
| 3156 | OsmoMSC | Feature | New         | Normal   | make sure we handle N overlapping CM Service Requests properly                     |          | 04/11/2018 11:50 AM | Is duplicate of #3069 |
| 3445 | OsmoMSC | Feature | Stalled     | Normal   | SS/USSD: clean up the local GSM 04.80 API  |          | 12/14/2018 01:57 PM |                       |
| 3620 | OsmoMSC | Feature | Stalled     | Normal   | Implement TTCN-3 testsuite for Inter-MSC HO  | neels    | 09/04/2019 09:08 AM |                       |
| 3621 | OsmoMSC | Feature | New         | Normal   | TTCN-3 test suite for inter-BSC handover   | neels    | 07/18/2019 05:04 AM | Related to #3621      |
| 3636 | OsmoMSC | Feature | New         | Normal   | detailed call statistics (with rate counters)                                      | osmith   | 10/08/2018 11:14 AM | Related to #3636      |
| 3687 | OsmoMSC | Feature | New         | Normal   | Expand "show bsc" command  |          | 11/11/2018 09:50 PM |                       |
| 3735 | OsmoMSC | Bug     | Stalled     | Normal   | call arriving during another call has no voice                                     | neels    | 06/18/2019 09:18 PM |                       |
| 3738 | OsmoMSC | Feature | New         | Normal   | Clarify PS-part of struct vlr_subscr   |          | 12/19/2018 12:34 PM |                       |
| 3742 | OsmoMSC | Bug     | In Progress | Normal   | libmsc/gsm_04_08.c: OSMO_ASSERT(!conn->vsub) failed in msc_vlr_subscr_assoc()      |          | 03/30/2019 05:50 PM | Is duplicate of #3742 |
| 3743 | OsmoMSC | Bug     | In Progress | Normal   | subscriber re-assoc crashes osmo-msc   |          | 12/29/2018 01:14 AM | Is duplicate of #3742 |
| 3829 | OsmoMSC | Bug     | New         | Normal   | osmo-msc expects aoip TLV in Assignment Complete messages from BSC                 |          | 03/07/2019 08:30 PM |                       |
| 3880 | OsmoMSC | Bug     | New         | Normal   | GSUP MT-ForwardSM Message Reference - wrong value in a response                    |          | 04/01/2019 07:47 AM |                       |
| 3992 | OsmoMSC | Bug     | New         | Normal   | inter-MSC handover for signalling-only?  |          | 05/09/2019 11:39 AM |                       |
| 4017 | OsmoMSC | Bug     | New         | Normal   | MSC fails to handle calls  |          | 05/29/2019 04:56 PM |                       |
| 4038 | OsmoMSC | Feature | New         | Normal   | MSC_Tests_lu: BSC_ConnectionHandler.ttcn missing handling of RAB-AssignmentRequest | sysmocom | 06/03/2019 02:54 PM |                       |

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