

## Issues

| #    | Project                                  | Tracker | Status      | Priority | Subject   | Assignee   | Updated             | Related issues                    |
|------|--|---------|-------------|----------|---|------------|---------------------|-----------------------------------|
| 4265 | libosmocore                              | Bug     | New         | Normal   | --enable-embedded doesn't work as expected  |            | 11/12/2019 11:18 AM |                                   |
| 4264 | OsmoBSC                                  | Bug     | New         | Normal   | BSC_Tests.TC_ho_neighbor_config_1 test failures   | neels      | 11/12/2019 10:48 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 |                                   |
| 4250 | osmo-remsim                              | Bug     | New         | Normal   | osmo-resmsim-bankd requires unreleased libosmocore patch  | laforge    | 11/07/2019 02:23 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 |                                   |
| 4248 | libosmo-abis                             | Bug     | In Progress | High     | debian nightly packages without dahdi support   | laforge    | 11/11/2019 04:15 PM |                                   |
| 4246 | Cellular Network Infrastructure          | Bug     | New         | Low      | Debian testing/unstable fails to build osmocom due to python-nwdiag -> python3-nwdiag transitio | osmith     | 11/05/2019 02:01 AM |                                   |
| 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 |
| 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 |
| 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 |                                   |
| 4242 | Retro-Networking / BBS-Revival           | Feature | New         | Low      | offer CCC event schedule (Fahrplan) as gopher service   |            | 10/28/2019 09:22 AM |                                   |
| 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 |                                   |
| 4240 | OsmoMSC                                  | Bug     | New         | Normal   | test: incoming call when already Paging   |            | 10/21/2019 05:13 PM |                                   |
| 4239 | OsmoSTP                                  | Bug     | New         | Low      | osmo-stp allows RKM de-registration of routing key that never was registered via RKM            | laforge    | 10/21/2019 12:55 PM |                                   |
| 4238 | OsmoSTP                                  | Bug     | In Progress | Low      | osmo-stp allows RKM de-registration for active ASP  | laforge    | 11/05/2019 04:26 PM |                                   |
| 4227 | Cellular Network Infrastructure          | Bug     | In Progress | High     | all package builds for Debian testing and unstable fail   | laforge    | 10/15/2019 11:42 AM |                                   |
| 4226 | Retro-Networking / BBS-Revival           | Feature | New         | Low      | STM-1 / USB interface?  |            | 10/14/2019 08:19 PM |                                   |
| 4225 | OP25                                     | Support | New         | Normal   | Missing rules in cmake lists?   | 2CS350     | 10/12/2019 02:49 PM |                                   |
| 4222 | OsmoSGSN                                 | Bug     | New         | High     | Implement PS Paging for the Routing Areas   |            | 10/08/2019 04:30 PM |                                   |
| 4221 | OsmoSGSN                                 | Bug     | New         | Normal   | create ttcn testcase for T3350 in combination with a PDP context                                |            | 10/08/2019 04:21 PM | Related to #4221                  |
| 4213 | OsmoBTS                                  | Support | Feedback    | High     | ms-power-control  | pespin     | 11/05/2019 01:42 PM | Related to #4213,Related to #4244 |

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|------|---------------------------------------|---------|-------------|----------|--|----------|---------------------|------------------------------------|
| 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 |                                    |
| 4207 | OsmoTRX                               | Bug     | New         | Normal   | multi-arfcn not working properly   | pespin   | 09/16/2019 05:27 PM |                                    |
| 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 |                                    |
| 4205 | osmo-remsim                           | Bug     | New         | Normal   | ttcn3-remsim-test only shows results for bankd   | laforge  | 09/13/2019 12:04 PM |                                    |
| 4203 | Core testing infrastructure           | Bug     | New         | Normal   | Make ttcn3-bts-test(-latest) artifacts smaller   | sysmocom | 09/13/2019 11:18 AM |                                    |
| 4200 | OsmoMSC                               | Feature | In Progress | Normal   | Work around nano3G-S16 requiring RAB ID to be below 16   | efistokl | 09/14/2019 09:48 AM |                                    |
| 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 |                                    |
| 4198 | Cellular Network Infrastructure       | Support | New         | Low      | Ignoring TX data, transceiver offline.   |          | 09/13/2019 05:46 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 |                                    |
| 4196 | OsmoMSC                               | Feature | New         | Normal   | CC Setup, Call Confirmed: decode and use the Supported Codec List IE   |          | 09/25/2019 05:27 PM |                                    |
| 4193 | OsmoBSC                               | Bug     | New         | Normal   | osmux reference pdf has auto-generated plot not displayed in pdf   | pespin   | 10/16/2019 01:05 PM |                                    |
| 4191 | OsmoMSC                               | Bug     | Stalled     | Normal   | vlr.c:762 Trying to dispatch event 1 to non-existent FSM instance!   | neels    | 10/01/2019 05:22 AM |                                    |
| 4189 | OsmoBSC                               | Feature | New         | Low      | TTCN-3 tests for load-based hand-over in BSC   |          | 09/04/2019 09:10 AM | Related to #4189                   |
| 4182 | OsmoTRX                               | Bug     | Feedback    | High     | osmo-trx build failures on obs   | pespin   | 10/01/2019 02:19 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 |
| 4176 | Core testing infrastructure           | Bug     | Feedback    | Normal   | ttcn3-sgsn: Sporadic failures since lu support introduced  | laforge  | 08/27/2019 05:32 PM |                                    |
| 4174 | osmo-fl2k                             | Bug     | New         | Normal   | After the latest commits, the fl2k tools do not exit on first SIGINT   |          | 08/25/2019 04:57 PM |                                    |
| 4172 | OsmoGGSN (former OpenGGSN)            | Bug     | New         | Normal   | osmoggsn crashes when stopping   |          | 08/29/2019 11:35 AM |                                    |
| 4169 | OsmoMSC                               | Bug     | In Progress | Normal   | transition to state MSC_A_ST_RELEASING not permitted!  |          | 09/03/2019 12:23 AM |                                    |
| 4168 | OsmoMSC                               | Bug     | In Progress | Normal   | RAN decode: BSSMAP: BSSMAP data truncated, discarding message  | neels    | 09/02/2019 11:42 PM |                                    |
| 4167 | OsmoMSC                               | Bug     | Feedback    | Normal   | Event VLR_ULA_E_ID_IMEISV not permitted  | osmith   | 09/04/2019 08:13 PM |                                    |
| 4166 | OsmoBSC                               | Bug     | New         | Normal   | BORKEN Error / broken lchan / WAIT_ACTIV_ACK: Timeout  |          | 08/22/2019 11:30 AM |                                    |
| 4163 | OsmoHLR                               | Bug     | New         | Normal   | Subscriber on demand: "Error while deleting subscriber data for IMSI" after changing network access mode from cs+ps back to none | osmith   | 08/22/2019 01:41 PM |                                    |
| 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                   |

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|------|---------------------------------------|---------|-------------|----------|---|-----------|---------------------|---|
| 4161 | OsmoGGSN (former OpenGGSN)            | Bug     | New         | Normal   | Implement pdp idle timer  | pespin    | 08/20/2019 06:30 PM | Related to #4161  |
| 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  |
| 4154 | OsmoGGSN (former OpenGGSN)            | Bug     | Feedback    | Normal   | Duplicated PDP context entries  | keith     | 09/02/2019 10:58 AM | Related to #4161,Related to #4165                                   |
| 4153 | OsmoMGW                               | Bug     | New         | Normal   | 3G voice broken with ALu 9361 femto   |           | 08/16/2019 10:45 AM |   |
| 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  |
| 4150 | OsmoMGW                               | Feature | New         | Low      | dead code / If an MDCX omits SDP, all codec config might be cleared                                 |           | 08/13/2019 11:01 PM |   |
| 4149 | libosmocore                           | Bug     | New         | Normal   | osmo_fsm allows event names to have spaces in them  | laforge   | 08/24/2019 12:31 PM |   |
| 4144 | OsmoMSC                               | Feature | Stalled     | Normal   | provide config to enable/disable UTRAN encryption   |           | 08/13/2019 02:57 PM | Blocks #4144  |
| 4143 | libosmo-ranap                         | Feature | New         | Normal   | Security Mode Command needs distinct UEA1 and UEA2 options  |           | 08/06/2019 12:58 PM | Blocks #4144  |
| 4141 | Cellular Network Infrastructure       | Bug     | New         | Normal   | No osmux specific code in place during codec negotiation  | sysmocom  | 08/05/2019 03:57 PM |   |
| 4139 | Cellular Network Infrastructure       | Bug     | New         | Normal   | "make pdf" target exists, but does nothing  | osmith    | 08/02/2019 08:42 AM |   |
| 4136 | OsmoTRX                               | Bug     | Feedback    | Normal   | osmo-trx-lms: makes kernel eat all system memory when run under realtime priority                   | pespin    | 08/26/2019 08:57 AM |   |
| 4135 | Qualcomm Linux Modems by Quectel & Co | Support | New         | Normal   | how to use network inside ec20  |           | 07/31/2019 11:20 AM |   |
| 4132 | Cellular Network Infrastructure       | Feature | New         | Low      | idea: osmo-gsm-manuals: use asciidoctor-pdf instead of a2x  | osmith    | 07/29/2019 07:38 AM |   |
| 4131 | Cellular Network Infrastructure       | Bug     | In Progress | Low      | osmo-gsm-manuals: Use leveloffset attribute on common documents                                     | osmith    | 08/02/2019 09:54 AM | Related to #4140  |
| 4130 | OP25                                  | Bug     | New         | Normal   | OP25 User Interface   |           | 07/26/2019 02:36 AM |   |
| 4128 | OsmoHNBGW                             | Feature | New         | Low      | Add support of Huawei hNodeB protocol   |           | 07/24/2019 03:39 PM |   |
| 4124 | OsmoBSCNAT                            | Feature | New         | Normal   | OsmoBSCNAT : Write user manual  | sysmocom  | 07/22/2019 09:02 AM | Related to #4124  |
| 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 |
| 4122 | OsmoMSC                               | Support | New         | Normal   | Moving to the smpp-config node and getting SMPP messages working                                    |           | 07/22/2019 02:07 PM |   |
| 4119 | osmo-remsim                           | Bug     | Feedback    | Normal   | osmo-remsim-client-st2 leaking memory   | roh       | 09/18/2019 06:24 PM | Related to #4119  |

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| 4118 | SIMtrace 2                      | Bug     | New      | Normal   | VCC_PHONE strong pull on SIMtrace board   | tsaitgaist | 07/18/2019 11:54 AM |  |
| 4117 | OsmoMSC                         | Bug     | New      | Normal   | osmo-msc crash when paging SGs after MME disconnects  | dexter     | 08/01/2019 09:27 AM |  |
| 4116 | OsmoSGSN                        | Bug     | New      | Normal   | osmo-sgsn fails to compile on openSUSE Tumbleweed (gcc 9.1 with LTO enabled)                    | Hoernchen  | 07/18/2019 05:25 AM | Related to #4116,Related to #4123  |
| 4115 | OsmoMSC                         | Bug     | New      | Normal   | osmo-msc fails to compile on openSUSE Tumbleweed (gcc 9.1 with LTO enabled)                     | Hoernchen  | 07/18/2019 05:25 AM | Related to #4115,Related to #4123  |
| 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  |
| 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 |
| 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  |
| 4109 | Cellular Network Infrastructure | Feature | New      | Low      | debian-repo-install-test: start a virtual MS and perform a LU                                   | osmith     | 07/16/2019 12:36 PM | Related to #4109   |
| 4108 | Cellular Network Infrastructure | Bug     | New      | Low      | osmo-ctrl2cgi, osmo-trap2cgi: missing default configs   |            | 07/16/2019 12:30 PM | Related to #4108   |
| 4107 | Cellular Network Infrastructure | Feature | New      | Normal   | Start systemd services as non-root user   | osmith     | 07/15/2019 06:56 AM | Related to #4107   |
| 4105 | libosmocore                     | Feature | New      | Normal   | Support for LTE key derivation functions  | laforge    | 07/13/2019 02:07 AM | Related to #4105   |
| 4104 | libosmocore                     | Bug     | New      | Normal   | support for KASME generation  | laforge    | 07/12/2019 10:15 AM | Related to #4105   |
| 4103 | libosmocore                     | Feature | New      | Low      | TUAK support as per 3GPP TS 35.231  |            | 07/12/2019 09:55 AM |  |
| 4101 | rtl-sdr                         | Bug     | New      | Normal   | Memory leak in the rtl2sdr_open routine of librtlsdr  | perceval62 | 07/11/2019 05:39 PM |  |
| 4098 | gr-osmosdr                      | Bug     | New      | Normal   | [BladeRF micro] Arguments set in osmocomb Sink and Source are not passed to libbladerf          | horiz0n    | 07/18/2019 05:35 AM |  |
| 4097 | osmo-remsim                     | Bug     | Feedback | Urgent   | osmo-remsim-bankd leaking memory  | roh        | 09/18/2019 06:25 PM | Related to #4097,Related to #4119  |
| 4095 | libosmocore                     | Bug     | New      | High     | osmo_get_rand_id() can fail under debian jessie   | osmith     | 07/18/2019 05:50 AM |  |
| 4094 | OpenBSC                         | Bug     | New      | Normal   | multiple crashes due to connection failures / drops   |            | 07/09/2019 07:41 PM | Related to #4094   |
| 4092 | OsmoMGW                         | Feature | New      | Normal   | Osmux: Support dynamic allocation of osmux sockets  | pespin     | 07/05/2019 05:15 PM | Related to #4092   |
| 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 |  |

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| 4087 | SIMtrace 2                      | Bug     | New         | Normal   | remove bogus targets from build process and ftp dir   | tsaitgaist             | 07/04/2019 08:56 AM |  |
| 4086 | Cellular Network Infrastructure | Support | New         | Normal   | Testing the 3G Osmocom Network without a Femto Cell   |                        | 07/10/2019 09:15 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 |  |
| 4082 | OsmoBTS                         | Bug     | New         | Normal   | OML: Unknown/unhandled PCHAN type: 0 NONE   |                        | 07/01/2019 07:14 AM |  |
| 4080 | rti-sdr                         | Support | New         | Normal   | Receiving UTAs on 978 Mhz   |                        | 07/02/2019 12:08 PM |  |
| 4079 | OsmoMGW                         | Support | Feedback    | Normal   | Create Endpoint   | Osmocorn               | 07/01/2019 02:27 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 |  |
| 4074 | libosmocore                     | Bug     | New         | Normal   | LAPD timers completely broken   | Osmocom CNI Developers | 06/21/2019 04:12 PM | Related to #4074                                     |
| 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                                     |
| 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                                     |
| 4070 | OsmoBSC                         | Bug     | New         | Normal   | Implement IPA PING/PONG mechanism on RSL and OML  | Hoernchen              | 06/21/2019 02:47 PM |  |
| 4069 | Cellular Network Infrastructure | Bug     | New         | Normal   | Implement IPA PING/PONG mechanism everywhere  | Hoernchen              | 06/21/2019 02:44 PM | Related to #4072                                     |
| 4068 | gr-gsm                          | Feature | New         | Normal   | Implement a GNU Radio block for frequency hopping   | ptrkrysik              | 06/21/2019 11:40 AM |  |
| 4065 | OsmoMSC                         | Feature | New         | Normal   | osmo-msc: Support instructing MSC_MGW to use Osmux between 2 endp/call-leg of same voice call | pespin                 | 06/19/2019 04:54 PM | Related to #4065                                     |
| 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 |  |
| 4063 | Cellular Network Infrastructure | Feature | New         | Normal   | Add current version information to the VTY reference manuals                                  |                        | 06/19/2019 09:51 AM |  |
| 4053 | libosmocore                     | Feature | New         | Normal   | CTRL: Add CTRL cmd introspection to print documentation                                       | Hoernchen              | 06/14/2019 08:23 PM | Related to #4053                                     |
| 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 |
| 4042 | SIMtrace 2                      | Feature | New         | Normal   | provide command line interface on CDC-ACM device  |                        | 06/04/2019 04:07 PM |  |
| 4041 | SIMtrace 2                      | Bug     | New         | Normal   | implement SIMTRACE_CMD_BD_BOARD_INFO  | tsaitgaist             | 08/06/2019 02:12 PM | Related to #4041                                     |
| 4040 | Cellular Network Infrastructure | Feature | New         | Low      | Use "COPY --from" in Dockerfiles to avoid cloning from scratch again and again                | sysmocom               | 06/04/2019 09:49 AM |  |
| 4038 | OsmoMSC                         | Feature | New         | Normal   | MSC_Tests_lu: BSC_ConnectionHandler.ttcn missing handling of RAB-AssignmentRequest            | sysmocom               | 06/03/2019 02:54 PM |  |
| 4034 | OsmoMGW                         | Bug     | New         | Normal   | Bad default value for number of endpoints   |                        | 05/31/2019 02:52 PM |  |
| 4033 | OsmoGGSN (former OpenGGSN)      | Feature | New         | Normal   | ttcn3-ggsn-test: Add tests to verify secondary pdp context management                         |                        | 05/30/2019 03:19 PM |  |

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| 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  |
| 4030 | OsmocomBB                       | Feature | In Progress | Low      | design breakout board for GTM900-B   | mschramm | 09/02/2019 09:34 PM |  |
| 4028 | libosmocore                     | Bug     | New         | Normal   | libosmocore build job hangs indefinitely / port 42000 already used                       | osmith   | 07/18/2019 05:50 AM |  |
| 4023 | OsmoBTS                         | Bug     | Stalled     | Normal   | Missing coverage of PCU interface in osmo-bts  |          | 11/16/2019 08:04 PM | Related to #4023   |
| 4021 | osmo-remsim                     | Support | New         | High     | long-term end-to-end osmo-remsim test setup  | roh      | 10/18/2019 02:51 PM |  |
| 4019 | OsmoPCU                         | Bug     | New         | Normal   | implement a command to show all informations from the bts                                |          | 05/23/2019 03:08 PM |  |
| 4018 | OsmoPCU                         | Bug     | New         | Normal   | investigate ordering of includes paths   |          | 05/23/2019 10:59 AM |  |
| 4017 | OsmoMSC                         | Bug     | New         | Normal   | MSC fails to handle calls  |          | 05/29/2019 04:56 PM |  |
| 4014 | OsmoBTS                         | Feature | New         | Low      | Allow multiple [virtual] BTS instances on same [SDR] hardware that supports multiple TRX |          | 05/21/2019 12:07 PM |  |
| 4010 | OsmoBSC                         | Feature | New         | Low      | Test RSL_CHAN_ACT related details for different scenarios                                | laforge  | 05/21/2019 09:02 PM | Related to #4010,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  |
| 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  |
| 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 |
| 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   |
| 4004 | OsmoMSC                         | Bug     | New         | Low      | lu_fsm_priv.rej_cause is never used  | neels    | 05/16/2019 08:33 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  |
| 3992 | OsmoMSC                         | Bug     | New         | Normal   | inter-MSC handover for signalling-only?  |          | 05/09/2019 11:39 AM |  |
| 3988 | OsmoMSC                         | Feature | New         | Low      | change the remaining DEBUGP() statements to LOG_MSC_A() / LOG_MSC_A_CAT()                |          | 05/08/2019 03:26 PM |  |
| 3987 | libosmocore                     | Feature | New         | Low      | introduce libosmocore_init() to replace individual initialization calls                  |          | 05/08/2019 03:03 PM | Related to #3987   |
| 3983 | libosmocore                     | Bug     | New         | Normal   | osmo_fsm_inst_change_parent() forgets to talloc reparent                                 |          | 05/08/2019 08:00 AM |  |
| 3982 | Cellular Network Infrastructure | Feature | New         | Low      | osmo-depcheck.py: set dependency hashes on command line                                  | osmith   | 05/08/2019 11:51 AM |  |

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| 3981 | OsmoTRX                  | Bug     | New         | Normal   | osmo-trx-lms: Overruns appear from time to time  | pespin   | 07/30/2019 04:17 PM | Related to #3981                                   |
| 3980 | OsmoMGW                  | Bug     | New         | Normal   | Clear Command before CRCX OK may leak MGW endpoint   |          | 05/06/2019 10:11 PM |  |
| 3979 | OsmoCBC                  | Bug     | In Progress | High     | TTCN3 SABP support   | laforge  | 09/23/2019 04:45 AM | Related to #3979,Related to #3979                  |
| 3978 | OsmoCBC                  | Bug     | In Progress | High     | SABP encoding/decoding routines  | laforge  | 09/23/2019 04:46 AM |  |
| 3977 | OsmoCBC                  | Feature | New         | High     | SABP stream delineation routines   | laforge  | 09/23/2019 04:49 AM | Related to #3979                                   |
| 3976 | OsmoBSC                  | Bug     | New         | Normal   | osmo-bsc: heap-use-after-free upon MGW CRCX failure response                               | neels    | 05/06/2019 11:03 AM |  |
| 3975 | OsmoBSC                  | Bug     | New         | Normal   | osmo-bsc crash during startup with nokia insite  | laforge  | 07/18/2019 06:00 AM | Related to #3975                                   |
| 3970 | OsmoTRX                  | Bug     | New         | Low      | libusrp fails to compile 1/4 of times in jenkins with PARALLEL_MAKE set                    | sysmocom | 08/09/2019 12:27 PM | Is duplicate of #3970                              |
| 3968 | E1/T1 Hardware Interface | Feature | New         | Normal   | find enclosure for ICE40 E1 board  |          | 04/30/2019 09:41 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                                   |
| 3966 | E1/T1 Hardware Interface | Feature | In Progress | Normal   | finish the USB-E1 ICE40 prototype  | tnt      | 04/30/2019 08:49 AM |  |
| 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 |
| 3964 | OsmoSGSN                 | Bug     | New         | Normal   | SIGSEGV in sndcp_sm_deactivate_ind()   |          | 10/10/2019 07:11 PM | Related to #3964,Related to #4221                  |
| 3962 | OsmoTRX                  | Feature | New         | Low      | osmo-trx: Use gcc attribute no_sanitize to run fine with ASan enabled                      |          | 08/26/2019 02:04 PM |  |
| 3958 | testproject              | Bug     | New         | Normal   | ./mobile select ARFCN  |          | 04/25/2019 09:49 AM |  |
| 3957 | OsmoSGSN                 | Bug     | Feedback    | Normal   | ABORT from gprs_sndcp_comp_free()  | pespin   | 11/08/2019 06:31 PM | Related to #3964,Related to #4245                  |
| 3954 | OsmoSGSN                 | Bug     | In Progress | Normal   | OsmoSGSN XID code uses hard-coded N201-I / N201-U instead of per-SAPI defaults as per spec | laforge  | 04/24/2019 08:18 AM |  |
| 3949 | OsmoTRX                  | Bug     | New         | Normal   | osmo-trx-lms: improve runtime gain setting (missing calibration)                           |          | 04/23/2019 08:32 AM |  |
| 3940 | OsmoSGSN                 | Bug     | New         | Normal   | TTCN-3: lu: test UMTS Auth   |          | 04/24/2019 08:24 AM |  |
| 3939 | OsmoSGSN                 | Bug     | New         | Normal   | TTCN: do a GMM Attach Request when in GMM Connected and have a PDP Request                 |          | 04/24/2019 08:25 AM |  |
| 3937 | OsmoSGSN                 | Bug     | In Progress | Normal   | lu: verify handling of GMM Service Request (data)when no PDP Context present.              |          | 05/21/2019 10:28 AM | Related to #3937                                   |
| 3936 | OsmoSGSN                 | Bug     | New         | Normal   | lu: first GMM Service Request does not find a MM ctx                                       |          | 05/07/2019 01:37 PM | Related to #3936                                   |

| #    | Project                        | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|--------------------------------|---------|-------------|----------|--|----------|---------------------|--|
| 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   |
| 3929 | OsmoPCU                        | Bug     | New         | Normal   | Missing PCU_Tests.ttcn link adaptation tests   | lynxis   | 10/04/2019 08:15 PM | Related to #3929   |
| 3928 | OsmoPCU                        | Bug     | In Progress | High     | Missing PCU_Tests.ttcn for various timers / time-outs  | pespin   | 10/07/2019 09:47 AM |  |
| 3927 | OsmoPCU                        | Bug     | Stalled     | High     | Missing PCU_Tests.ttcn Paging tests  | osmith   | 10/14/2019 07:11 AM |  |
| 3926 | OsmoPCU                        | Bug     | New         | High     | Missing PCU_Tests.ttcn DL TBF tests  | lynxis   | 04/15/2019 07:55 AM |  |
| 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  |
| 3923 | OsmoSGSN                       | Bug     | New         | Normal   | lu: Respond to SecurityCommandReject messages  |          | 04/24/2019 08:26 AM | Related to #3923   |
| 3921 | libosmo-sccp + libosmo-sigtran | Bug     | New         | Normal   | high local reference numbers get cut off   |          | 04/12/2019 01:23 PM |  |
| 3920 | OsmoSGSN                       | Support | In Progress | Normal   | PCAPs files of 3G PS for Osmocom network and Commercial one  |          | 04/18/2019 02:03 PM | Related to #3920,Related to #3936,Related to #3923,Related to #3937,Related to #3922 |
| 3919 | osmo-remsim                    | Feature | New         | Normal   | remsim-client ifd_handler for PC/SC integration  | laforge  | 05/08/2019 03:30 PM |  |
| 3917 | OsmoGSMTester                  | Bug     | New         | Normal   | update debian packages to match our dependencies   | lynxis   | 04/11/2019 04:12 PM |  |
| 3909 | libosmocore                    | Bug     | New         | Normal   | osmo_get_rand_id() fails in containerised environment  |          | 04/07/2019 04:05 PM | Related to #3909   |
| 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 |  |
| 3889 | osmo-remsim                    | Bug     | In Progress | Urgent   | adjust TTCN3 remsim testsuite to latest code   | laforge  | 05/08/2019 03:30 PM |  |
| 3887 | osmo-remsim                    | Feature | New         | Low      | remsim-client: allow for local handling of APDUs   | laforge  | 05/08/2019 03:30 PM |  |
| 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   |
| 3885 | osmo-remsim                    | Feature | New         | Normal   | remsim-server should expose status information   | laforge  | 04/01/2019 07:23 PM | Precedes #3885   |
| 3884 | osmo-remsim                    | Feature | New         | Normal   | redesign bankd thread architecture   | laforge  | 05/08/2019 03:31 PM | Precedes #3885,Precedes #3886  |
| 3883 | osmo-remsim                    | Bug     | New         | Urgent   | osmo-remsim user manual lacks examples   | laforge  | 07/16/2019 02:43 PM |  |
| 3882 | gr-osmosdr                     | Bug     | New         | Normal   | Cannot compile gr-osmosdr!   | horiz0n  | 07/18/2019 05:35 AM |  |
| 3880 | OsmoMSC                        | Bug     | New         | Normal   | GSUP MT-ForwardSM Message Reference - wrong value in a response  |          | 04/01/2019 07:47 AM |  |
| 3879 | OsmoPCU                        | Bug     | New         | Normal   | TC_sns_1c1u_so_bvc_reset has never passed on jenkins   | laforge  | 03/30/2019 11:13 AM |  |
| 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   |

| #    | Project                        | Tracker | Status      | Priority | Subject  | Assignee   | Updated             | Related issues                                     |
|------|--------------------------------|---------|-------------|----------|--|------------|---------------------|--|
| 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     |
| 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                                   |
| 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                                   |
| 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                              |
| 3863 | OsmoBTS                        | Support | In Progress | Urgent   | setup testing of osmo-bts-oc2g on real hardware with ttcn3 and osmocon/osmocom-bb  | dexter     | 07/18/2019 06:04 AM |  |
| 3855 | gr-osmosdr                     | Bug     | New         | Normal   | Cannot build gr-osmosdr with Gnuradio 3.8  | horiz0n    | 09/28/2019 06:49 AM |  |
| 3849 | OsmoMGW                        | Bug     | New         | Normal   | race condition problem in rtp flow tests of the ttcn3 testsuite  |            | 09/04/2019 09:26 AM |  |
| 3848 | Miscellaneous Projects         | Feature | In Progress | Normal   | Osmocom stickers wih black background / non-rectangular outline  | maike      | 09/04/2019 09:28 AM | Blocks #3848                                       |
| 3847 | Miscellaneous Projects         | Feature | New         | Normal   | Osmocom logo with/for black background   | tsaitgaist | 03/18/2019 08:54 AM | Blocks #3848                                       |
| 3845 | libosmocore                    | Feature | New         | Low      | Unified logging in Gb NS / BSSGP code  |            | 03/16/2019 02:33 PM |  |
| 3841 | OsmoBSC                        | Bug     | New         | Low      | cosmetic: tearing down the old lchan after inter-BSC handover always goes through RELEASE_AFTER_ERROR (instead of normal release)        | neels      | 05/08/2019 05:43 PM |  |
| 3838 | OsmoSTP                        | Bug     | Feedback    | Normal   | connecting two BSCs to OsmoSTP will both end up with the same routing key  | laforge    | 03/21/2019 02:17 AM |  |
| 3834 | OsmoPCU                        | Bug     | New         | Normal   | MS set_mode()/set_current_cs_*(()) inconsistent results  | lynxis     | 04/15/2019 07:48 AM | Related to #3834,Related to #3834,Related to #3834 |
| 3833 | OsmoBSC                        | Bug     | Feedback    | Normal   | Fix storage location of AMR S15-S0 bits  | dexter     | 07/29/2019 02:02 PM |  |
| 3831 | OsmoBSC                        | Feature | New         | Low      | BSC support for "network sharing"  |            | 03/08/2019 10:27 PM |  |
| 3830 | OsmoHLR                        | Feature | New         | Low      | make downward compatible db-schema updates automatic   |            | 07/18/2019 06:15 AM |  |
| 3829 | OsmoMSC                        | Bug     | New         | Normal   | osmo-msc expects aoip TLV in Assignment Complete messages from BSC   |            | 03/07/2019 08:30 PM |  |
| 3822 | OsmoMGW                        | Bug     | New         | Low      | conn mode "sendonly" behaves identically to "sendrecv"   |            | 03/04/2019 09:34 PM |  |
| 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                                   |
| 3819 | gr-osmosdr                     | Support | New         | Urgent   | OSMO SDR blocks for GNUradio   |            | 02/28/2019 06:00 PM |  |
| 3817 | SDR (Software Defined Radio)   | Bug     | New         | Normal   | Unable to use fosphor display on Ubuntu 18.10  |            | 02/26/2019 06:56 PM |  |
| 3815 | SIMtrace 2                     | Bug     | New         | Normal   | simtrace2 fails USB-IF CH9 test  | tsaitgaist | 02/23/2019 03:10 PM |  |
| 3814 | OsmoBSC                        | Bug     | New         | Normal   | MS Power Control Problem with Osmo-BSC and nanoBTS   |            | 02/24/2019 01:15 AM |  |

| #    | Project                         | Tracker | Status      | Priority | Subject   | Assignee  | Updated             | Related issues  |
|------|---------------------------------|---------|-------------|----------|---|-----------|---------------------|---|
| 3812 | libosmo-netif                   | Bug     | Stalled     | Normal   | stream_test fails depending on where it is run  |           | 03/13/2019 04:15 PM |   |
| 3806 | OsmoBSC                         | Bug     | In Progress | Normal   | OsmoBSC accepts BSSAP with wrong length field   |           | 09/04/2019 09:26 AM | Related to #3806  |
| 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                  |
| 3802 | gr-osmosdr                      | Feature | New         | Normal   | New release   | horiz0n   | 02/15/2019 07:22 AM |   |
| 3797 | rtl-sdr                         | Bug     | New         | Normal   | Exits with "Bus error"  |           | 02/12/2019 02:28 PM |   |
| 3796 | OsmoBTS                         | Bug     | New         | Low      | OsmoBTS doesn't send proper cause values in NACK  |           | 07/18/2019 06:04 AM | Related to #3796  |
| 3794 | Cellular Network Infrastructure | Bug     | In Progress | High     | 'make install' overwrites \$prefix/etc/osmocom/*.cfg  | osmith    | 07/30/2019 08:50 AM |   |
| 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 |   |
| 3791 | OsmoBTS                         | Bug     | New         | Low      | OsmoBTS doesn't include the "IPA Destination IP Address" attribute in "IPA RSL Connect ACK" | laforge   | 02/07/2019 07:46 PM | Related to #3791  |
| 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                                   |
| 3787 | OsmoBSC                         | Bug     | New         | Low      | Assignment Request modifies conn->codec_list before the Assignment is successful            | dexter    | 05/08/2019 03:38 PM |   |
| 3786 | OsmoBSC                         | Bug     | New         | Low      | Assignment Request modifies conn->lcls state before the Assignment is successful            | dexter    | 05/08/2019 03:37 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 |
| 3780 | OsmoBTS                         | Bug     | New         | Normal   | existing test suite doesn't catch wrong measurement processing                              | Hoernchen | 07/12/2019 04:27 PM |   |
| 3779 | Cellular Network Infrastructure | Feature | New         | Low      | explore providing a VM image with all of osmocom CNI and related tools installed            |           | 02/04/2019 09:52 AM |   |
| 3776 | OP25                            | Bug     | New         | Normal   | Build fail using gcc version 7.3.0 Ubuntu 18.04.1 LTS                                       |           | 07/05/2019 07:12 PM |   |
| 3775 | OsmoTRX                         | Bug     | In Progress | Normal   | properly debug limesdr usb and limesdr mini clocking requirements and osmo-trx support      | roh       | 06/27/2019 05:37 PM | Blocks #3341,Blocks #3342,Blocks #3775                              |
| 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  |
| 3763 | osmo-sip-connector              | Bug     | New         | Normal   | Implement correct handling for call answered elsewhere                                      |           | 01/22/2019 01:03 PM |   |
| 3761 | OsmocomBB                       | Feature | New         | Normal   | Separate TDMA scheduler into a library (libtdmasched)                                       | fixeria   | 06/21/2019 11:56 AM |   |
| 3755 | OsmoMSC                         | Feature | New         | Low      | make retrieval of IMEISV configurable   |           | 05/07/2019 12:28 PM | Related to #3755  |

| #    | Project                         | Tracker | Status      | Priority | Subject   | Assignee  | Updated             | Related issues  |
|------|---------------------------------|---------|-------------|----------|---|-----------|---------------------|---|
| 3753 | Cellular Network Infrastructure | Bug     | New         | Low      | Update .deb to use dh_missing   | sysmocom  | 07/18/2019 05:22 AM | Related to #3753  |
| 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 |   |
| 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 |
| 3747 | UmTRX                           | Feature | New         | Normal   | LMS6002D RX Gain Control  | ipse      | 01/08/2019 09:46 AM |   |
| 3744 | OsmoBSC                         | Bug     | New         | Normal   | include/osmocom/bsc/gsm_data.h: OSMO_ASSERT(conn->lchan); failed in conn_get_bts()            |           | 12/30/2018 10:39 AM |   |
| 3743 | OsmoMSC                         | Bug     | In Progress | Normal   | subscriber re-assoc crashes osmo-msc  |           | 12/29/2018 01:14 AM | Is duplicate of #3742   |
| 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   |
| 3741 | osmo-sip-connector              | Bug     | New         | Normal   | Unknow call parameters shown in vty   |           | 12/28/2018 02:01 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 |   |
| 3739 | OsmoBSC                         | Feature | New         | Normal   | on osmo-bsc startup, sanity check codec-, pchan-types and AMR rates configuration             |           | 12/20/2018 01:31 AM |   |
| 3738 | OsmoMSC                         | Feature | New         | Normal   | Clarify PS-part of struct vlr_subscr  |           | 12/19/2018 12:34 PM |   |
| 3737 | OsmoBSC                         | Bug     | New         | Low      | abort because unused lchan has non-null conn pointer, after AMR config error                  |           | 05/08/2019 03:35 PM |   |
| 3736 | Osmocom.org Servers             | Bug     | In Progress | Normal   | sporadic segmentation faults on jenkins build slave   |           | 12/16/2018 04:08 PM |   |
| 3735 | OsmoMSC                         | Bug     | Stalled     | Normal   | call arriving during another call has no voice  | neels     | 06/18/2019 09:18 PM |   |
| 3734 | gr-osmosdr                      | Bug     | New         | High     | Cannot compile gr-osmocom   |           | 12/16/2018 12:22 AM |   |
| 3732 | OsmoHLR                         | Feature | New         | Low      | Support tacdb query in HLR  |           | 07/18/2019 06:12 AM | Related to #3732  |
| 3731 | OsmoMGW                         | Bug     | New         | Normal   | TTCN3 TC_rtpem_selftest randomly fails  | daniel    | 12/13/2018 12:37 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   |
| 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   |

| #    | 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                  |
| 3723 | SIMtrace 2                      | Bug     | New         | Low      | better error message when starting second remsim   | tsaitgaist      | 12/09/2018 04:16 PM |                                   |
| 3722 | libosmocore                     | Bug     | Feedback    | Normal   | osmo_clock_gettime broke build on MacOS  | pespin          | 09/20/2019 10:38 AM |                                   |
| 3717 | OsmoHLR                         | Bug     | Stalled     | High     | SS/USSD: fix SS session inactivity timeout   | fixeria         | 12/05/2018 08:45 PM |                                   |
| 3716 | OsmoBSC                         | Bug     | Stalled     | Low      | Use SACCH for MO/MT SMS signalling during a voice call   | fixeria         | 05/08/2019 03:35 PM |                                   |
| 3715 | OsmoGSMTester                   | Bug     | New         | Low      | osmo-gsm-tester: Mainloop.wait() hangs forever in Mainloop.poll()                                | pespin          | 12/03/2018 09:53 AM |                                   |
| 3714 | Cellular Network Infrastructure | Feature | New         | Low      | implement Internal Handover With MSC Support   |                 | 05/08/2019 11:57 AM | Related to #3714                  |
| 3712 | SIMtrace 2                      | Bug     | New         | Low      | TRACE_FATAL not printing   | tsaitgaist      | 11/27/2018 10:57 AM |                                   |
| 3711 | SIMtrace 2                      | Feature | New         | Normal   | Add screw holes for permanent installations  |                 | 11/27/2018 02:04 AM |                                   |
| 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 |
| 3703 | OsmoBTS                         | Bug     | New         | Normal   | sporadic failures of TC_tch_sign_l2_fill_frame test case   |                 | 11/22/2018 02:58 PM |                                   |
| 3699 | Cellular Network Infrastructure | Feature | New         | Normal   | merge Debian patches   | Hoernchen       | 07/16/2019 08:00 PM | Related to #3699,Related to #3753 |
| 3696 | OsmoSGSN                        | Bug     | New         | Normal   | Intermittent Connection Drop   | lynxis          | 05/08/2019 12:14 PM |                                   |
| 3694 | Cellular Network Infrastructure | Bug     | New         | Low      | Fix lintian warnings in .deb packages  |                 | 07/18/2019 05:20 AM | Related to #3699                  |
| 3693 | libosmocore                     | Bug     | In Progress | Low      | gsm_04_08.h: numerous packed structs with sub-byte ints lack the order-swap shims for big endian |                 | 11/19/2018 02:05 PM |                                   |
| 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 |                                   |
| 3689 | OsmoSGSN                        | Bug     | New         | Normal   | Support Cisco GGSN (Cisco 7200 with IOS 12.4.x)  |                 | 04/09/2019 11:21 AM |                                   |
| 3688 | OsmoSGSN                        | Feature | New         | Low      | move generic gtpub code to libosmocore   |                 | 04/15/2019 07:29 AM |                                   |
| 3687 | OsmoMSC                         | Feature | New         | Normal   | Expand "show bsc" command  |                 | 11/11/2018 09:50 PM |                                   |
| 3683 | SIMtrace 2                      | Bug     | New         | Low      | no reset after DFU flash   | tsaitgaist      | 11/06/2018 04:37 PM |                                   |
| 3682 | OsmoBSC                         | Feature | New         | Normal   | Intra-domain connection of OsmoBSC to multiple MSCs  |                 | 09/04/2019 09:01 AM |                                   |
| 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 |                                   |
| 3676 | OsmoGSMTester                   | Bug     | New         | Normal   | ofono: org.ofono.ConnectionManager property Bearer returning "none"                              | osmo-gsm-tester | 10/29/2018 01:11 PM |                                   |
| 3672 | Osmocom Analog                  | Feature | New         | Normal   | Custom announcement and tones  |                 | 10/25/2018 05:10 PM |                                   |
| 3670 | Cellular Network Infrastructure | Feature | New         | Low      | TTCN-3 tests for statsd exporter code  |                 | 09/04/2019 09:03 AM |                                   |
| 3669 | OsmocomBB                       | Bug     | New         | Normal   | empty IMSI in vty  |                 | 10/24/2018 04:15 PM |                                   |

| #    | Project                         | Tracker | Status      | Priority | Subject  | Assignee  | Updated             | Related issues   |
|------|---------------------------------|---------|-------------|----------|--|-----------|---------------------|--|
| 3666 | OsmocomBB                       | Feature | New         | Normal   | Introduce VTY interface  | fixeria   | 06/21/2019 11:56 AM | Related to #3667   |
| 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   |
| 3663 | gr-osmosdr                      | Bug     | New         | Normal   | Can't compile gr-osmosdr on macOS Mojave   |           | 10/19/2018 02:37 PM |  |
| 3662 | gr-gsm                          | Bug     | New         | Normal   | not building on OSX 10.13.4  |           | 10/29/2018 08:52 AM |  |
| 3660 | Cellular Network Infrastructure | Bug     | New         | Normal   | TTCN3 Jenkins jobs leave Docker containers running when stopped                                  | osmith    | 10/11/2019 01:04 PM |  |
| 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 #3783 |
| 3658 | Cellular Modem Information      | Feature | New         | Normal   | Create a "osmocom-bb-host-latest" docker container   |           | 10/16/2018 02:11 PM | Related to #3658   |
| 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   |
| 3653 | OsmocomBB                       | Bug     | New         | Normal   | FACCH/H sometimes not received by BTS with osmocomBB+motorolaCXX                                 |           | 10/22/2018 02:37 PM |  |
| 3652 | OsmocomBB                       | Bug     | New         | Normal   | Incorrect IMEISV setting in mobile application   |           | 10/12/2018 08:20 PM |  |
| 3649 | OsmoHLR                         | Feature | New         | Low      | Investigate LMDB as HLR data storage   |           | 10/12/2018 11:35 AM | Related to #3649   |
| 3648 | OsmoMSC                         | Feature | New         | Low      | persistent VLR (across re-starts of osmo-msc / across power outage)                              |           | 07/18/2019 06:15 AM | Related to #3649   |
| 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   |
| 3642 | OsmoBSC                         | Bug     | New         | Low      | logging filter imsi leaks bsc_subscr references  |           | 10/09/2018 10:04 PM |  |
| 3638 | OsmoBSC                         | Feature | New         | Low      | handover decision 2: load balancing across BSS   |           | 10/16/2018 01:16 PM | Related to #3638, Related to #3638, Related to #3638   |
| 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   |
| 3636 | OsmoMSC                         | Feature | New         | Normal   | detailed call statistics (with rate counters)  | osmith    | 10/08/2018 11:14 AM | Related to #3636   |
| 3631 | Osmocom.org Servers             | Feature | In Progress | Normal   | migrate/upgrade openmoko.org mediawiki to osmocom-host2  | laforge   | 10/07/2018 09:29 AM |  |
| 3629 | OsmocomBB                       | Bug     | New         | Normal   | mobile aborting after 'test re-selection 1' on vty   |           | 10/04/2018 02:58 PM |  |

| #    | Project                         | Tracker | Status  | Priority | Subject   | Assignee | Updated             | Related issues  |
|------|---------------------------------|---------|---------|----------|---|----------|---------------------|---|
| 3628 | Cellular Network Infrastructure | Feature | New     | Low      | document nanoBTS calibration procedure using ipaccess-config tool | laforge  | 01/14/2019 03:36 PM | Related to #3628  |
| 3626 | libosmocore                     | Bug     | New     | Low      | LAPDm code pulls both 'l1h' and 'l2h' of msgb                     | fixeria  | 11/27/2018 09:43 PM |   |
| 3622 | libosmo-abis                    | Bug     | New     | Normal   | Clear API mess in sign_link_up callback                           | pespin   | 10/02/2018 07:34 PM |   |
| 3621 | OsmoMSC                         | Feature | New     | Normal   | TTCN-3 test suite for inter-BSC handover                          | neels    | 07/18/2019 05:04 AM | Related to #3621  |
| 3620 | OsmoMSC                         | Feature | Stalled | Normal   | Implement TTCN-3 testsuite for Inter-MSC HO                       | neels    | 09/04/2019 09:08 AM |   |
| 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  |
| 3609 | OsmoSTP                         | Feature | New     | Low      | Support for C-Link  |          | 10/03/2018 08:58 AM |   |
| 3607 | OsmoSTP                         | Feature | New     | Normal   | Support for capability point codes                                |          | 10/03/2018 08:58 AM |   |
| 3606 | OsmoSTP                         | Feature | New     | Normal   | Support for multiple NI (network indicator)                       |          | 10/03/2018 08:58 AM |   |
| 3605 | OsmoSTP                         | Feature | New     | Normal   | Global Title Translation  |          | 07/18/2019 05:15 AM |   |
| 3604 | OsmoSTP                         | Feature | New     | Normal   | Global Title Routing  |          | 07/18/2019 05:15 AM |   |
| 3603 | OsmoSTP                         | Feature | New     | Low      | M2PA support  |          | 10/03/2018 08:58 AM |   |
| 3602 | OsmoSTP                         | Feature | New     | Low      | M2UA support  |          | 09/30/2018 08:00 AM |   |
| 3597 | gr-osmosdr                      | Feature | New     | Low      | rtl: send final samples when device is lost                       | horiz0n  | 07/18/2019 05:35 AM |   |
| 3596 | gr-osmosdr                      | Feature | New     | Normal   | TX Tags   |          | 09/25/2018 04:01 PM |   |
| 3595 | gr-osmosdr                      | Feature | New     | Normal   | RX Tags   |          | 09/25/2018 04:01 PM |   |
| 3594 | gr-osmosdr                      | Feature | New     | Normal   | Message Commands  |          | 09/25/2018 03:59 PM |   |
| 3593 | gr-osmosdr                      | Bug     | New     | Low      | rtl: 'len' argument ignored in librtlsdr callback                 | horiz0n  | 07/18/2019 05:35 AM |   |
| 3592 | gr-osmosdr                      | Bug     | New     | Normal   | rtl: Race Conditions  | horiz0n  | 07/18/2019 05:35 AM |   |
| 3591 | rtl-sdr                         | Bug     | New     | Normal   | No Way To Detect Occasional Failed Bulk Transfers                 |          | 09/25/2018 01:29 PM |   |
| 3590 | rtl-sdr                         | Bug     | New     | Normal   | Key Functions Missing Documentation                               |          | 09/25/2018 01:04 PM |   |
| 3589 | rtl-sdr                         | Bug     | New     | Normal   | Zerocopy Buffers Unusable Outside Callback Without memcpy()       |          | 09/25/2018 12:58 PM |   |
| 3588 | rtl-sdr                         | Bug     | New     | Normal   | Error Values Inconsistent   |          | 09/25/2018 12:47 PM |   |
| 3586 | OsmoBSC                         | Feature | New     | Normal   | support LCLS for inter-BSC handover                               | neels    | 01/17/2019 04:18 PM | Related to #3586,Related to #3659                                   |
| 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 |
| 3572 | OsmoBTS                         | Bug     | New     | Normal   | Incorrect TDMA frame number calculation on TCH channels           | sysmocom | 05/08/2019 06:08 PM | Related to #3803  |
| 3569 | OsmoBTS                         | Bug     | Stalled | Normal   | Some phones don't receive SMSB                                    | laforge  | 01/14/2019 03:32 PM |   |
| 3568 | OsmoBTS                         | Bug     | Stalled | High     | CBCH on SDCCH/8 not working for osmo-bts-sysmo                    | laforge  | 01/14/2019 03:29 PM |   |

| #    | Project                         | Tracker | Status      | Priority | Subject  | Assignee               | Updated             | Related issues   |
|------|---------------------------------|---------|-------------|----------|--|------------------------|---------------------|--|
| 3567 | Cellular Network Infrastructure | Bug     | New         | Low      | coverity: move the secret token out of \$HOME/osmo-ci/.../   | lynxis                 | 07/18/2019 05:22 AM |  |
| 3566 | Misc Hardware Projects          | Feature | In Progress | Low      | build charger for gsm-r toys   | roh                    | 09/30/2018 08:39 AM |  |
| 3564 | OsmoGSMTester                   | Feature | New         | Normal   | Investigate ofono and modems Cell Broadcast support  | lynxis                 | 09/29/2018 08:57 AM | Related to #3564   |
| 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 |
| 3557 | OsmocomBB                       | Bug     | New         | Normal   | trxcon: decoding errors after applying a new TCH mode  | fixeria                | 06/21/2019 11:56 AM |  |
| 3554 | OsmocomBB                       | Bug     | New         | Normal   | trxcon/scheduler: misaligned burst reception   | fixeria                | 06/21/2019 11:56 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   |
| 3531 | OP25                            | Bug     | New         | Normal   | Unknown status of the p25 wireshark plugin   |                        | 09/07/2018 02:46 PM |  |
| 3522 | libosmocore                     | Feature | New         | Low      | libosmocoding: move TCH ordering functions to libosmocodec and share them  | fixeria                | 09/04/2018 08:49 PM |  |
| 3521 | libosmocore                     | Feature | New         | Normal   | core/utils: engineering notation helpers   | fixeria                | 09/04/2018 08:32 PM |  |
| 3518 | osmo-sip-connector              | Bug     | In Progress | Normal   | Rapid SETUP followed DISC results in lingering B-leg   | keith                  | 04/24/2019 08:39 AM |  |
| 3515 | OsmoTRX                         | Bug     | In Progress | High     | license confusion in OsmoTRX   | ipse                   | 07/29/2019 01:25 PM |  |
| 3512 | gr-osmosdr                      | Support | New         | Normal   | Bug #3462 on Arch Linux; gr-osmosdr install fails  | horiz0n                | 01/26/2019 06:10 PM |  |
| 3511 | OsmoMGW                         | Bug     | In Progress | Normal   | osmo-mgw does not forward RTP packets anymore  |                        | 08/29/2018 04:33 PM |  |
| 3510 | OsmoBTS                         | Bug     | New         | Normal   | Make sure the ECU (Error Concealment Unit) is working correctly  | tnt                    | 05/15/2019 03:48 PM |  |
| 3506 | OsmoBTS                         | Bug     | Feedback    | High     | FACCH LAPDm sequence error (state LAPD_STATE_MF_EST)   | fixeria                | 04/04/2019 06:35 PM | Related to #3906   |
| 3505 | OsmoBSC                         | Feature | New         | Normal   | ttn3: test inter-BSC HO with encryption enabled  | neels                  | 08/28/2018 06:38 PM | Related to #3505   |
| 3501 | SIMtrace 2                      | Feature | New         | Low      | Multi-sim addon board idea   | sysmocom hardware team | 08/28/2018 03:00 PM |  |
| 3499 | OsmoPCU                         | Bug     | New         | Normal   | pcu is logging "Allocating DL TBF: MS_CLASS=0/0" ; TLV parsing code commented?   | lynxis                 | 04/15/2019 07:48 AM | Related to #3499   |
| 3490 | OsmoMGW                         | Feature | New         | Normal   | Add config option to allow arbitrary domain names in endpoints   |                        | 08/20/2018 10:08 PM | Related to #3490   |
| 3486 | OsmoBSC                         | Feature | New         | Low      | handover decision: congestion: figure out the tradeoff: re-assign within same cell vs. handover to another cell          |                        | 10/16/2018 01:16 PM | Related to #3486,Related to #3638  |
| 3485 | OsmoBSC                         | Feature | New         | Low      | handover to make room for a less capable subscriber  |                        | 10/16/2018 01:16 PM | Related to #3485   |
| 3484 | OsmoBSC                         | Feature | New         | Low      | handover decision: if rxlev is ok but rxqual is bad, move to different timeslot with same TCH kind to avoid interference |                        | 10/16/2018 01:30 PM |  |
| 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   |

| #    | Project                         | Tracker | Status   | Priority | Subject  | Assignee  | Updated             | Related issues   |
|------|---------------------------------|---------|----------|----------|--|-----------|---------------------|--|
| 3482 | OsmoBSC                         | Feature | New      | Low      | handover decision: if a new call causes congestion that would trigger immediate re-assignment, assigning the other TCH kind from the start |           | 10/16/2018 01:15 PM | Related to #3482   |
| 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   |
| 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   |
| 3479 | OsmoBSC                         | Feature | New      | Normal   | test "every single failure" in osmo-bsc FSMs   |           | 08/20/2018 11:15 AM | Related to #3479   |
| 3478 | OsmoBTS                         | Bug     | New      | Normal   | struct member lchan->meas.bts_tx_pwr is never set  | dexter    | 08/20/2018 09:51 AM |  |
| 3477 | Cellular Network Infrastructure | Feature | New      | Normal   | add a wiki page explaining interconnection between components across several machines  |           | 09/04/2019 09:21 AM |  |
| 3476 | OsmoBSC                         | Support | New      | High     | osmo-bsc manual needs to explain the AoIP config 'cs7 instance'  |           | 08/20/2018 09:06 AM |  |
| 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 |  |
| 3472 | OsmoPCU                         | Bug     | New      | Low      | GPRS connection is in a state where pdp-context is active, but data TX cannot initiate from Network side.                                  | lynxis    | 04/15/2019 07:52 AM | Related to #3472   |
| 3471 | Osmocom.org Servers             | Bug     | New      | Normal   | host2.osmocom.org not starting all services on reboot.   | laforge   | 08/18/2018 01:50 PM |  |
| 3470 | OsmoMSC                         | Feature | New      | Low      | Allow sending "Emergency Number List IE" in LU ACCEPT  |           | 09/01/2018 08:18 PM | Related to #3470   |
| 3469 | OsmoMSC                         | Feature | New      | Low      | Support for "service category" in emergency calls  |           | 08/24/2018 12:48 PM | Related to #3470   |
| 3466 | OsmoSGSN                        | Bug     | Feedback | Low      | gprs_gb_parse_dtap does not handle "DEACT PDP ACK"   | lynxis    | 04/18/2019 11:54 AM |  |
| 3462 | gr-osmosdr                      | Bug     | New      | Normal   | gr-osmosdr installation bladerf conversion errors  | horiz0n   | 07/18/2019 05:35 AM |  |
| 3460 | gr-gsm                          | Feature | New      | Low      | python/trx/radio_if.py: (re)implement 'dict_toggle_sign' block in C++  |           | 08/09/2018 08:18 PM |  |
| 3459 | gr-gsm                          | Bug     | New      | High     | apps/grgsm_trx: AssertionError: packet_info.packet_count == (seq_to_ack & 0xff)  | ptrkrysik | 08/10/2018 07:58 AM |  |
| 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   |
| 3454 | OsmoBSC                         | Feature | New      | Low      | disable/constrain/hide "multiple msc" concept  | sysmocom  | 08/08/2018 02:22 PM |  |
| 3445 | OsmoMSC                         | Feature | Stalled  | Normal   | SS/USSD: clean up the local GSM 04.80 API  |           | 12/14/2018 01:57 PM |  |
| 3443 | OsmoMGW                         | Bug     | New      | Normal   | Check audio-payload options in osmo-mgw VTY  |           | 08/02/2018 03:59 PM |  |
| 3442 | OsmoMGW                         | Bug     | New      | Normal   | fix int mgcp_codec_decide() in mgcp_codec.c  |           | 09/04/2019 09:26 AM |  |
| 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 |

| #    | Project                         | Tracker | Status      | Priority | Subject  | Assignee   | Updated             | Related issues  |
|------|---------------------------------|---------|-------------|----------|--|------------|---------------------|---|
| 3426 | OsmoSGSN                        | Bug     | In Progress | Normal   | gprs_llc_process_xid_ind() does not echo L3_PAR, breaks PDP activation for Motorola KRZR | keith      | 05/01/2019 02:21 PM |   |
| 3425 | gr-gsm                          | Bug     | New         | Normal   | Receiver: missing AGC (Automatic Gain Control)   |            | 07/26/2018 08:25 PM |   |
| 3424 | gr-gsm                          | Feature | New         | Normal   | Transceiver: implement automatic TX delay measurement                                    | ptrkrysik  | 07/26/2018 08:22 PM |   |
| 3423 | gr-gsm                          | Feature | Stalled     | Normal   | Receiver: hard-coded GSM 05.02 channel configuration                                     | ptrkrysik  | 02/06/2019 10:00 AM |   |
| 3422 | gr-gsm                          | Bug     | New         | Normal   | Receiver: sample / burst buffering problem   | ptrkrysik  | 07/27/2018 07:56 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 |   |
| 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  |
| 3414 | gr-osmosdr                      | Feature | New         | Normal   | Include Airspy serial number in connection string.                                       | horiz0n    | 07/24/2018 04:52 AM |   |
| 3403 | OsmoSGSN                        | Bug     | New         | Normal   | osmo-sgsn doesn not connect properly with via SCCP when restarted                        | lynxis     | 04/15/2019 07:29 AM | Related to #3403  |
| 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 |   |
| 3400 | OsmocomBB                       | Feature | Stalled     | Normal   | mobile: implement GAPK based audio capture / playback (via ALSA)                         | fixeria    | 10/04/2018 09:11 PM | Blocks #3400  |
| 3399 | OsmocomBB                       | Feature | Stalled     | High     | mobile: refactor / finish external MNCC handler implementation                           | fixeria    | 10/04/2018 09:07 PM |   |
| 3398 | GSM Audio Pocket Knife          | Bug     | New         | Normal   | build: configure fails if (optional) libalsa wasn't found                                | fixeria    | 07/16/2018 08:45 PM |   |
| 3397 | OsmocomBB                       | Feature | New         | Normal   | target/firmware: get rid of libosmocodec dependency                                      | fixeria    | 07/16/2018 08:22 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 |
| 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  |
| 3387 | OsmocomBB                       | Feature | New         | Low      | osmocon: Use libosmocore logging system  |            | 10/05/2018 04:21 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  |
| 3382 | Cellular Network Infrastructure | Bug     | New         | Normal   | Investigate and fix lintian issues listed by Debian Lintian Report                       | osmith     | 09/01/2018 08:40 PM |   |
| 3379 | SIMtrace 2                      | Bug     | Stalled     | High     | documentation on how to use SIMtrace2  | tsaitgaist | 10/25/2018 09:12 AM |   |
| 3376 | pySim                           | Bug     | In Progress | Normal   | create test scripts to verify pysim-prog ans sysmo-usim-tool with jenkins                | lynxis     | 08/27/2018 08:43 AM | Related to #3377  |

| #    | Project             | Tracker | Status      | Priority | Subject   | Assignee   | Updated             | Related issues                                     |
|------|---------------------|---------|-------------|----------|---|------------|---------------------|--|
| 3373 | OsmoSGSN            | Feature | Stalled     | Normal   | Support for SNS auto-configuration (SIZE / SNS-CONFIG procedure)  | laforge    | 08/14/2018 07:59 PM | Related to #3373,Related to #3388,Related to #3617 |
| 3371 | SIMtrace 2          | Feature | New         | Normal   | migrate to use arm-none-eabi build of libosmocore.git   | laforge    | 08/09/2018 12:14 PM |  |
| 3370 | OsmoBTS             | Bug     | Feedback    | Low      | osmo-bts "substituting all-zero burst" and osmo-pcu "Link quality (0dB) left window [5, 8], modifying uplink CS levels: CS-2 -> CS-1" | lynxis     | 10/03/2019 05:34 PM | Related to #3428                                   |
| 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                                   |
| 3356 | OsmoSGSN            | Bug     | In Progress | Normal   | OsmoSGSN doesn't provide unique IDTAG_SERNR in IPA CCM  | osmith     | 04/09/2019 11:22 AM | Related to #3356,Related to #3356,Related to #3644 |
| 3354 | Osmocom.org Servers | Bug     | New         | Normal   | Gerrit: wrong redirect URL after signing in   |            | 06/18/2018 09:20 PM |  |
| 3352 | OsmoMGW             | Feature | New         | Low      | osmo-mgw does not allow multiple codecs in LCO  | dexter     | 06/23/2018 06:18 PM |  |
| 3346 | OsmoTRX             | Bug     | In Progress | Normal   | osmo-trx-lms: Multi channel support: "R_CTL_LPF range limit reached"  | pespin     | 08/14/2019 10:38 AM | Related to #3346,Related to #4151                  |
| 3345 | OsmoTRX             | Feature | New         | Low      | merge ms branch   |            | 06/13/2018 07:16 PM |  |
| 3344 | OsmoTRX             | Feature | New         | Normal   | merge ttsou/siggen  |            | 06/13/2018 07:26 PM |  |
| 3342 | OsmoTRX             | Bug     | In Progress | Normal   | osmo-trx-lms: low tx output power level   | roh        | 10/01/2019 04:04 PM | Related to #3342,Blocks #3342                      |
| 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     |
| 3330 | OsmoBSC             | Feature | New         | Normal   | osmo-bsc: Implement IMMEDIATE ASSIGNMENT EXTENDED   | sysmocom   | 06/08/2018 12:14 PM | Related to #3330                                   |
| 3329 | OsmoBTS             | Feature | New         | Normal   | osmo-bts: Implement IMMEDIATE ASSIGNMENT EXTENDED   | sysmocom   | 06/08/2018 12:02 PM | Related to #3330                                   |
| 3324 | OsmoGSMTester       | Bug     | New         | Normal   | production setup: EC20 fails to enumerate   | lynxis     | 06/23/2018 06:55 PM |  |
| 3322 | Osmocom.org Servers | Feature | New         | Normal   | Header image needed for our OpenCollective site   | tsaitgaist | 06/06/2018 08:30 PM |  |
| 3320 | OsmoGSMTester       | Bug     | New         | Normal   | add a README about the python dependencies  | pespin     | 06/06/2018 08:38 AM |  |
| 3315 | rtl-sdr             | Feature | New         | Normal   | review and possibly apply patches from debian package   | steve-m    | 06/03/2018 01:17 PM |  |
| 3309 | libosmocore         | Feature | New         | Normal   | osmo_timer_* should use monotonic clock   |            | 05/31/2018 03:59 PM | Related to #3309                                   |
| 3308 | Osmocom.org Servers | Bug     | New         | Normal   | jenkins: master-asn1c build: "error: 'param' undeclared"  |            | 08/20/2018 04:09 PM |  |
| 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                                   |
| 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                                   |

| #    | Project                         | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                                     |
|------|---------------------------------|---------|-------------|----------|--|----------|---------------------|--|
| 3299 | OsmoBTS                         | Bug     | Stalled     | Normal   | osmo_ortp: scheduler is not started  | dexter   | 06/25/2018 08:02 PM |  |
| 3294 | OsmoMSC                         | Bug     | Stalled     | High     | transaction: refactor callref allocation   | neels    | 09/26/2019 06:50 PM | Related to #3294,Related to #3294                  |
| 3291 | Osmocom.org Servers             | Feature | New         | Low      | gerrit - redmine integration   |          | 05/25/2018 04:34 PM |  |
| 3285 | OsmoPCU                         | Feature | New         | Normal   | design + implement tools to analyze inter-PCU cell changes   | laforge  | 08/01/2018 11:04 AM | Related to #3284                                   |
| 3284 | OsmoPCU                         | Bug     | New         | Normal   | GPRS cell re-selection appears sticky in packet transfer / packet idle mode                        | lynxis   | 04/15/2019 07:49 AM | Related to #2400,Related to #3284                  |
| 3280 | OsmocomBB                       | Feature | New         | Low      | Multiparty SS support in OsmocomBB   |          | 05/22/2018 07:40 AM |  |
| 3278 | OsmoNITB                        | Bug     | New         | Normal   | Disconnected ESME socket leaves esme entry in smsc->esme_list                                      |          | 05/18/2018 12:04 AM |  |
| 3277 | OsmoBSC                         | Feature | New         | Low      | handover: for intra-cell HO, use RR Assignment Command, not RR Handover Command                    | neels    | 11/19/2018 04:27 PM | Is duplicate of #3277                              |
| 3276 | Osmocom.org Servers             | Bug     | New         | Low      | 502 during cgit rendering of large repo / increase proxy timeout                                   | laforge  | 05/17/2018 12:28 PM |  |
| 3272 | E1/T1 Hardware Interface        | Feature | New         | Normal   | next-generation osmo-e1-xcvr board   | vogelchr | 09/10/2018 11:22 AM | Related to #3272                                   |
| 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                  |
| 3258 | Osmocom.org Servers             | Feature | In Progress | Low      | migrate to mailman3 + HyperKitty   | laforge  | 10/07/2018 01:36 PM | Related to #3258                                   |
| 3257 | Osmocom.org Servers             | Feature | New         | Low      | migrate ftp to new server  | laforge  | 05/10/2018 09:34 PM |  |
| 3243 | OsmoBSC                         | Bug     | New         | Normal   | there is MGW config for each separate 'msc', but the MGW settings are stored only once globally    |          | 05/07/2018 03:10 PM |  |
| 3240 | gr-osmosdr                      | Bug     | New         | Normal   | Expose airspy gain setting in gr-osmosdr block   |          | 06/03/2018 12:08 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 |
| 3234 | OsmoGSMTester                   | Feature | New         | Normal   | osmo-gsm-tester: poll the python-smplib socket using non-busy approach                             | pespin   | 05/04/2018 12:22 PM | Related to #2512                                   |
| 3229 | Cellular Network Infrastructure | Feature | New         | Low      | build-system: jenkins.sh: Improve debian package generation test coverage during gerrit submission | sysmocom | 05/08/2019 02:36 PM | Related to #3228                                   |
| 3227 | Cellular Network Infrastructure | Feature | New         | Normal   | general idea: separate GSUP spec document  | roh      | 07/17/2019 07:50 PM | Is duplicate of #3227                              |
| 3224 | OsmoSGSN                        | Bug     | New         | Normal   | verify ciphering after UMTS AKA  | lynxis   | 04/15/2019 07:30 AM | Related to #3193,Related to #3224                  |
| 3222 | OsmoTRX                         | Bug     | Stalled     | Low      | include (tested) example config files for usrp1, uhd/b200 as well as umtrx                         | tnt      | 10/20/2018 07:27 PM |  |

| #    | Project                                    | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues                                       |
|------|--|---------|-------------|----------|---|----------|---------------------|--|
| 3210 | osmo-fl2k                                  | Feature | New         | Low      | man pages   | steve-m  | 04/24/2018 08:55 PM |  |
| 3209 | OsmoGGSN (former OpenGGSN)                 | Bug     | Stalled     | Urgent   | no example config file + documentation about kernel GTP with OsmoGGSN       | laforge  | 07/04/2018 12:45 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                                     |
| 3207 | OsmoMGW                                    | Feature | New         | Low      | Support for RTP Payload Format according to "ETSI TS 101 318"               |          | 04/24/2018 03:53 PM |  |
| 3203 | osmo-fl2k                                  | Feature | New         | Normal   | have jenkins build verification job   | osmith   | 07/24/2019 09:09 AM |  |
| 3202 | osmo-fl2k                                  | Feature | New         | Low      | create debian packaging for osmo-fl2k (and make it part of nightly builds?) | osmith   | 09/30/2018 08:40 AM |  |
| 3201 | Osmocom Conferences (OsmoDevCon + OsmoCon) | Bug     | New         | Normal   | OsmoDevCon: Add one more rectangular table                                  |          | 04/23/2018 07:00 PM |  |
| 3200 | Osmocom Conferences (OsmoDevCon + OsmoCon) | Bug     | New         | Normal   | OsmoDevCon: Use loudspeakers even at IN-Berlin                              |          | 04/23/2018 06:53 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                   |
| 3190 | OsmoBSC                                    | Bug     | New         | Normal   | RSL DELETE INDication not implemented                                       | osmith   | 07/18/2019 05:42 AM |  |
| 3178 | OsmoSGSN                                   | Bug     | Feedback    | Normal   | gbproxy: failed to parse invalid BSSGP-UNITDATA message                     | pespin   | 09/27/2018 08:53 AM |  |
| 3177 | OsmoSGSN                                   | Bug     | New         | Low      | gbproxy: gprs_gb_parse_dtap doesn't handle AUTH & CIPHER REQUEST messages   | pespin   | 05/27/2019 09:18 AM | Related to #1959                                     |
| 3169 | OsmoMSC                                    | Bug     | New         | Low      | OsmoMSC rejects SMPP messages with empty SMS                                | sysmocom | 04/14/2018 06:43 PM |  |
| 3167 | Cellular Network Infrastructure            | Bug     | New         | Low      | Build osmo-* master docker containers with address sanitizer                | osmith   | 07/18/2019 05:22 AM | Related to #3167                                     |
| 3165 | OsmoMSC                                    | Feature | New         | Low      | Verify LU Request's LAI   | osmith   | 07/18/2019 05:48 AM | Related to #3164                                     |
| 3164 | OsmoMSC                                    | Bug     | Feedback    | Low      | invalid LAI in level 3 complete: unify BSSMAP and RANAP verification        | neels    | 07/29/2019 01:34 PM | Related to #3162, Related to #3163, Related to #3164 |
| 3163 | OsmoMSC                                    | Bug     | New         | Low      | RANAP: reject Level 3 Complete from cells with invalid LAI                  | osmith   | 07/18/2019 05:47 AM | Related to #3162, Related to #3163                   |
| 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                                |
| 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                   |

| #    | Project                         | Tracker | Status      | Priority | Subject   | Assignee               | Updated             | Related issues  |
|------|---------------------------------|---------|-------------|----------|---|------------------------|---------------------|---|
| 3142 | Cellular Network Infrastructure | Feature | New         | Low      | Further simplification of "NITB like" setups                        | Osmocom CNI Developers | 04/05/2018 08:09 PM |   |
| 3141 | OsmoTRX                         | Bug     | New         | Normal   | Refactor / clean up TRX CTRL / DATA interfaces implementation       |                        | 04/05/2018 05:46 PM |   |
| 3127 | Cellular Network Infrastructure | Bug     | New         | High     | update the [[Osmocom Network In The Box]] wiki page                 | daniel                 | 05/08/2019 02:37 PM |   |
| 3126 | SDR (Software Defined Radio)    | Bug     | New         | Low      | Windows 10 Pro 1709: crash of rtl_test.exe                          |                        | 03/30/2018 02:16 PM |   |
| 3125 | OsmoMSC                         | Bug     | New         | Low      | testcase for fixed "osmo-msc crashes while handling a call"         | neels                  | 06/23/2018 07:26 PM | Related to #3122,Related to #2880                                   |
| 3123 | Osmocom.org Servers             | Feature | New         | Low      | have dns zone in git.osmocom.org                                    | laforge                | 03/28/2018 05:11 PM | Related to #3123  |
| 3110 | OsmoMSC                         | Bug     | New         | Normal   | Test and possibly fix ID Request after Auth failure                 | neels                  | 09/30/2018 11:36 AM |   |
| 3097 | OsmoBSC                         | Feature | New         | Normal   | ramping of "rxlev access min"                                       |                        | 03/22/2018 11:51 AM | Related to #3097  |
| 3087 | Osmocom.org Servers             | Feature | New         | Low      | migrate dect.osmocom.org to new server                              | laforge                | 10/07/2018 01:52 PM | Related to #3087  |
| 3085 | Osmocom.org Servers             | Feature | In Progress | Low      | where to migrate openmoko-backup?                                   | laforge                | 08/08/2018 10:38 AM | Related to #3303,Related to #3304,Related to #3305                  |
| 3084 | Osmocom.org Servers             | Feature | New         | Low      | migrate dns to new server   | laforge                | 03/28/2018 05:11 PM | Related to #3123  |
| 3083 | Osmocom.org Servers             | Feature | New         | Normal   | migrate trac to new server?   | laforge                | 06/13/2018 09:55 AM |   |
| 3080 | Osmocom.org Servers             | Feature | Stalled     | Low      | migrate nginx dispatcher to new server                              | laforge                | 05/13/2018 10:03 PM |   |
| 3076 | Osmocom.org Servers             | Feature | Stalled     | Normal   | migrate to new (2018-03) server "host2.osmocom.org"                 | laforge                | 05/29/2018 11:24 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 |   |
| 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   |
| 3068 | OsmoGSMTester                   | Bug     | New         | Normal   | resource objects leaked or destroyed too late                       | pespin                 | 03/15/2018 06:36 PM |   |
| 3067 | OsmoTRX                         | Bug     | New         | Normal   | osmo-trx usrp b100 time out and packet loss between host and device | ttsou                  | 03/15/2018 06:36 PM |   |
| 3061 | OsmoTRX                         | Bug     | New         | Normal   | OsmoTRX ARM chroot build jobs failing due to proot bug              | pespin                 | 03/13/2018 11:50 AM | Related to #3766  |
| 3058 | OsmoBTS                         | Bug     | New         | Low      | RSL SACCH FILLING are per TRX, not BTS scope                        |                        | 03/11/2018 08:55 PM |   |
| 3056 | OsmoBTS                         | Bug     | New         | Low      | OsmoBTS doesn't implement SACCH Repetition Order (SRO)              |                        | 07/18/2019 06:08 AM |   |
| 3054 | OsmoTRX                         | Feature | Stalled     | Normal   | Extended (11-bit) RACH support in OsmoTRX                           | tnt                    | 02/03/2019 11:45 AM | Related to #1854,Related to #3054,Related to #3054,Related to #4006 |
| 3052 | OsmoBTS                         | Bug     | Stalled     | Normal   | osmo-bts-sysmo fails to detect RACH bursts from osmocom-bb          | laforge                | 03/14/2018 05:42 AM |   |
| 3046 | OsmoGSMTester                   | Bug     | New         | Normal   | ofono: SierraW modem fails to power on                              | lynxis                 | 03/09/2018 10:58 AM |   |

| #    | 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 |  |
| 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 |  |
| 3033 | OsmoTRX                | Feature | New         | Low      | Split wiki page into multiple smaller pages  |          | 03/05/2018 11:28 AM |  |
| 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  |
| 3020 | OsmoBSC                | Bug     | New         | Normal   | OsmoBSC PCU socket interface not yet tested by BSC_Tests.ttcn                          | laforge  | 05/21/2019 06:29 PM |  |
| 3019 | OsmoHLR                | Feature | New         | Low      | add config for number of auth tuples returned  |          | 06/23/2018 06:58 PM |  |
| 3006 | libosmo-netif          | Bug     | New         | Low      | Osmux: improvements on lost/dropped RTP packets  |          | 09/30/2018 08:34 AM |  |
| 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   |
| 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  |
| 2995 | OsmocomBB              | Bug     | New         | Normal   | Wrong parsing of PAGING TYPE 3   |          | 02/24/2018 11:03 PM | Related to #2994   |
| 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  |
| 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   |
| 2979 | OsmoBTS                | Bug     | Stalled     | Low      | osmo-bts-virtual reports bogus measurement values                                      | laforge  | 07/18/2019 06:06 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   |
| 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 |

| #    | Project                    | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|----------------------------|---------|-------------|----------|---|----------|---------------------|--|
| 2975 | OsmoBTS                    | Bug     | Stalled     | Normal   | OsmoBTS doesn't generate measurement indications in absence of uplink bursts  | dexter   | 11/14/2019 02:21 PM | Related to #2965, Related to #2975, Related to #2975, Related to #2977, Related to #3665, Blocks #2975 |
| 2974 | OsmoBTS                    | Bug     | New         | Low      | OsmoBTS doesn't use the "Diagnostics" part of the RSL Cause IE  |          | 07/18/2019 05:48 AM |  |
| 2969 | OsmoBSC                    | Feature | New         | Low      | obtain and store subscriber identity  | neels    | 01/03/2019 06:03 PM | Related to #2969   |
| 2966 | OsmocomBB                  | Feature | New         | Low      | virtphy should have a localhost-only mode   |          | 07/18/2019 05:48 AM |  |
| 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   |
| 2962 | OsmoSGSN                   | Bug     | New         | Normal   | Missing TTCN-3 test cases   | lynxis   | 05/30/2018 02:19 PM |  |
| 2960 | OsmoSGSN                   | Bug     | New         | Normal   | OsmoSGSN confirms PDP CTX ACT to MS/Gb despite missing conditional IEs on GTP   | lynxis   | 04/15/2019 07:37 AM |  |
| 2959 | OsmoSGSN                   | Bug     | New         | Low      | OsmoSGSN puts bogus LAC/RAC in GTP Create PDP CTX ACT REQ   | osmith   | 09/30/2018 11:41 AM |  |
| 2958 | OsmoSGSN                   | Bug     | Stalled     | Normal   | OsmoSGSN doesn't authenticate on second/further ATTACH REQUEST  | lynxis   | 07/18/2019 05:11 AM | Related to #2958   |
| 2957 | OsmoSGSN                   | Bug     | New         | Normal   | No timeout during GSUP PURGE MS to HLR  | lynxis   | 04/15/2019 07:36 AM |  |
| 2955 | OsmoSGSN                   | Bug     | New         | High     | No GMM ATTACH REJECT on GSUP UpdateLocation Error   | lynxis   | 09/10/2019 07:39 PM |  |
| 2953 | OsmoSGSN                   | Bug     | New         | Normal   | No timeout waiting for UpdateLocation Response on GSUP  | lynxis   | 05/17/2018 01:57 PM | Related to #2952   |
| 2951 | OsmoSGSN                   | Bug     | Feedback    | Normal   | OsmoSGSN Accepts two MO L3 Messages with N(U) set to zero   | osmith   | 09/11/2019 12:24 PM |  |
| 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  |
| 2946 | OsmoGGSN (former OpenGGSN) | Feature | New         | Normal   | Add test suite for sgsnemu  | pespin   | 05/30/2018 02:18 PM |  |
| 2945 | Osmocom.org Servers        | Feature | New         | Normal   | Use "--config-cache" configure option to speed up builds  | zecke    | 02/14/2018 09:50 PM |  |
| 2943 | OsmoMSC                    | Bug     | New         | Normal   | Errors in MGCP do not propagate back to MNCC<br>gsm_subscriber_conn state machine   |          | 09/04/2019 09:21 AM |  |
| 2942 | OsmoBTS                    | Bug     | New         | Low      | osmo-bts-virtual+virtphy+mobile paging for SMS delivery fails   |          | 02/13/2018 05:05 PM |  |
| 2941 | OsmoGSMTester              | Bug     | New         | Normal   | ofono: SierraW sometimes crashing while deactivating a context.   | lynxis   | 02/13/2018 04:16 PM |  |
| 2938 | OsmoNITB                   | Bug     | New         | Low      | osmo-nitb version 1.0.0 in 'latest' constantly logs LIBDBI error  |          | 02/13/2018 11:00 AM |  |

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