

## Issues

| #    | Project  | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|--|---------|--------|----------|--|----------|---------------------|------------------|
| 6443 | gr-osmosdr                                     | Bug     | New    | Normal   | RF gain: erroneously using 14  | horiz0n  | 04/27/2024 06:21 PM |                  |
| 6442 | OsmoSGSN                                       | Bug     | New    | Normal   | SGSN does not answer to first GMM ATTACH REQUEST   |          | 04/24/2024 05:48 PM |                  |
| 6441 | OsmoSGSN                                       | Bug     | New    | Normal   | use-after-free on RAU with invalid Old RAI   |          | 04/22/2024 01:23 PM | Related to #6441 |
| 6438 | libosmocore                                    | Bug     | New    | Normal   | write_config_file() calls blocking sync()  |          | 04/26/2024 09:15 AM |                  |
| 6436 | OsmoPCU  | Bug     | New    | High     | high cpu usage, entire BTS unresponsive after some hours   | keith    | 04/13/2024 04:32 PM |                  |
| 6434 | E1/T1 Hardware Interface (including icE1usb)   | Support | New    | Normal   | D-channel do not recover after underrun  |          | 04/27/2024 09:03 PM |                  |
| 6433 | OsmoHNBGW                                      | Bug     | New    | Normal   | DLGLOBAL ERROR counter group 'hnb' already exists for index 0, instead using index 1. This is a software bug that needs fixing. (rate_ctr.c:221) |          | 04/04/2024 11:11 PM |                  |
| 6431 | OsmoHNBGW                                      | Bug     | New    | Normal   | (coverity) uninitialized asn.1 state / overwriting asn.1 state in HNBAP  | neels    | 04/04/2024 11:08 PM |                  |
| 6427 | OsmoMSC  | Bug     | New    | Normal   | ttn3-msc-test: TC_mo_usssd_for_unknown_trans fails sporadically  |          | 04/02/2024 03:01 PM | Related to #6427 |
| 6420 | OsmoGGSN (former OpenGGSN)                     | Bug     | New    | Low      | osmo-ggsn + pre-configured tun device seems to be broken with kernel gtp-u   |          | 03/26/2024 11:43 AM |                  |
| 6419 | OsmoGGSN (former OpenGGSN)                     | Bug     | New    | Low      | osmo-ggsn removes tun devices it did not create  |          | 03/26/2024 11:26 AM |                  |
| 6418 | pySim  | Bug     | New    | Normal   | osmo-smdpp docs  |          | 03/25/2024 05:54 PM |                  |
| 6415 | E1/T1 Hardware Interface (including icE1usb)   | Bug     | New    | Low      | osmo_panic after truncated packet  | laforge  | 03/22/2024 06:54 PM |                  |
| 6413 | rtl-sdr  | Bug     | New    | Normal   | Incorrect Debian/Debian-like binary packages   | steve-m  | 03/22/2024 05:09 PM |                  |
| 6410 | libosmocore                                    | Bug     | New    | Normal   | osmo_io poll backend doesn't work on file descriptors that are not sockets   |          | 03/19/2024 07:33 PM |                  |
| 6408 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New    | Normal   | osmo-epdg: Support check IMEI  |          | 03/15/2024 06:45 PM |                  |
| 6407 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New    | Normal   | osmo-epdg: Support Emergency services (no IMSI)  |          | 03/15/2024 06:43 PM |                  |
| 6402 | libosmocore                                    | Feature | New    | Low      | consider using IORING_RECVSEND_POLL_FIRST for our socket-reads   |          | 03/14/2024 08:21 AM |                  |
| 6401 | libosmocore                                    | Feature | New    | Low      | benchmark batching io_uring operations   |          | 03/14/2024 08:10 AM |                  |
| 6398 | pySim  | Bug     | New    | Normal   | Add helper for SwMatchError  |          | 03/09/2024 09:34 PM |                  |
| 6395 | OsmoHNBGW                                      | Feature | New    | Low      | PFCEP URR support in osmo-hnbgw  |          | 03/22/2024 08:08 AM | Related to #6395 |
| 6393 | libosmocore                                    | Bug     | New    | Normal   | osmo_io conflating osmo_iofd_unregister vs osmo_iofd_close   | daniel   | 03/07/2024 09:47 AM |                  |

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| 6392 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Feature | New    | Normal   | video recording / c3voc at OsmoDevCon 2024   | laforge  | 03/06/2024 12:08 PM |                                    |
| 6390 | libosmocore  | Feature | New    | Low      | port CTRL over to osmo_io / io_uring   |          | 03/02/2024 06:45 PM | Related to #6390                   |
| 6389 | libosmocore  | Feature | New    | Low      | port VTY over to osmo_io / io_uring  |          | 03/02/2024 04:55 PM | Related to #6389                   |
| 6388 | libosmocore  | Feature | New    | Normal   | stats_reporter via osmo_io / io_uring?   |          | 03/02/2024 04:54 PM | Related to #6388                   |
| 6380 | OsmoHNBGW  | Bug     | New    | Normal   | VTY transcript tests are broken [again]  |          | 02/28/2024 06:57 PM |                                    |
| 6378 | OsmoBSC  | Bug     | New    | Low      | Ericsson DUG 20 rejects SI2quater  | keith    | 03/10/2024 06:38 PM | Related to #6378                   |
| 6374 | libosmocore  | Bug     | New    | Normal   | libosmocore --disable-libsctp not tested by jenkins  |          | 02/23/2024 03:47 PM |                                    |
| 6372 | OsmocomBB SDR PHY                                      | Bug     | New    | Normal   | Cant connect to BS using cell_log and mobile   |          | 02/22/2024 07:13 AM |                                    |
| 6367 | pySim  | Feature | New    | Normal   | PC/SC <-> Android OMAPI bridge for pySim and others  |          | 02/17/2024 01:34 PM |                                    |
| 6366 | osmo-ePDG - VoWifi Evolved Packet Data Gateway         | Bug     | New    | Normal   | strongswan: test if gsup_client will resend old requests on reconnect                        | lynxis   | 02/18/2024 09:16 PM | Related to #6366                   |
| 6365 | osmo-ePDG - VoWifi Evolved Packet Data Gateway         | Bug     | New    | Normal   | strongswan: get the PDP type out of the IKE_AUTH/CFG_REQUEST                                 | lynxis   | 02/23/2024 03:29 AM |                                    |
| 6363 | osmo-ePDG - VoWifi Evolved Packet Data Gateway         | Bug     | New    | Normal   | strongswan: Catch IKEv2 disconnects  | lynxis   | 02/17/2024 01:21 AM |                                    |
| 6360 | libosmocore  | Bug     | New    | Normal   | libosmovty fails to parse commands like "test (foo bar) [(one two three)]"                   |          | 02/14/2024 09:25 PM |                                    |
| 6356 | libosmo-sccp + libosmo-sigtran                         | Bug     | New    | Normal   | DLGLOBAL ERROR Trying to dispatch event 17 to non-existent FSM instance! (osmo_ss7_as.c:118) | pespin   | 02/08/2024 10:27 PM |                                    |
| 6354 | osmo-ePDG - VoWifi Evolved Packet Data Gateway         | Feature | New    | Low      | investigate UE behavior in terms of respecting ePDG configuration on USIM/ISIM               |          | 02/07/2024 04:10 PM |                                    |
| 6348 | OsmocomBB  | Feature | New    | Normal   | virtphy: add Circuit Switched Data (CSD) support   |          | 01/26/2024 10:03 PM | Related to #6348                   |
| 6347 | OsmocomBB  | Feature | New    | Normal   | mobile: support data calls @ 300 bps and 1200/75 bps (TCH/[FH]2.4)                           |          | 01/26/2024 09:54 PM | Related to #6347                   |
| 6346 | OsmocomBB  | Feature | New    | Normal   | mobile: support data calls @ 14400 bps (TCH/F14.4)   |          | 01/26/2024 10:03 PM | Related to #6346, Related to #6346 |
| 6345 | osmo-ePDG - VoWifi Evolved Packet Data Gateway         | Feature | New    | Low      | osmo-epdg: Implement SWm interface (Diameter) ePDG <-> AAA                                   |          | 01/25/2024 05:22 PM |                                    |
| 6344 | libosmocore  | Feature | New    | Normal   | New TS 24.008 Bearer Capability codec API  |          | 01/24/2024 11:19 PM | Related to #6344                   |
| 6340 | pySim  | Bug     | New    | Low      | exception when using osmo-smdpp with python 3.9  | laforge  | 02/15/2024 09:29 PM |                                    |

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| 6337 | OsmocomBB  | Bug     | New    | High     | bad fr audio with gapk/ms-sdr   |          | 01/22/2024 09:21 PM | Related to #6337                                 |
| 6332 | osmo-ePDG - VoWifi Evolved Packet Data Gateway         | Feature | New    | Normal   | osmo-epdg: Write User Manual  |          | 01/18/2024 04:15 PM | Related to #6332                                 |
| 6330 | OsmoMSC  | Bug     | New    | Normal   | Incorrect handling of V.120 data calls  |          | 01/18/2024 03:02 PM | Related to #6344                                 |
| 6329 | rtl-sdr  | Bug     | New    | Normal   | rtl_sdr does not have correct rpath set on OSX build  |          | 01/12/2024 09:57 PM |  |
| 6328 | OsmoBSC  | Bug     | New    | Normal   | Channel Mode Modify fails to modify the RTP payload type number   |          | 01/12/2024 06:24 AM | Related to #6328                                 |
| 6327 | Cellular Network Infrastructure                        | Feature | New    | Low      | Osmocom-build-tags-against-master job builds very basic configurations  | osmith   | 01/11/2024 08:17 PM |  |
| 6324 | OsmoBSC  | Bug     | New    | Normal   | Making a data call results in B0RKEN lchans   | osmith   | 01/05/2024 09:04 PM |  |
| 6323 | OP25   | Bug     | New    | Normal   | Install script is broken on Ubuntu 23.10  |          | 01/05/2024 07:54 PM |  |
| 6322 | pySim  | Bug     | New    | Low      | ATR type annotation   |          | 01/03/2024 09:55 PM |  |
| 6321 | OsmoMSC  | Bug     | New    | Low      | SMS not delivered from corrupted SMS database   |          | 01/02/2024 01:07 PM |  |
| 6319 | Osmo-CC  | Feature | New    | Normal   | protocol version should have a defined end marker   | neels    | 01/10/2024 01:31 PM |  |
| 6316 | pySim  | Feature | New    | Normal   | include test data in user manual  |          | 12/23/2023 03:10 PM |  |
| 6315 | pySim  | Feature | New    | Low      | have test data for all supported files  |          | 12/23/2023 09:36 AM |  |
| 6314 | pySim  | Bug     | New    | Low      | pySim-trace doesn't support ARA-M   |          | 12/23/2023 09:36 AM |  |
| 6312 | OsmoHLR  | Bug     | New    | Normal   | Querying HLR for MSISDN-to-IMSI mapping is too cumbersome and inefficient   |          | 12/21/2023 06:52 AM | Related to #6312                                 |
| 6303 | OsmoPCU  | Feature | New    | Low      | Convert pcuif to TLV to make backwards compatibility more feasible  |          | 02/15/2024 09:23 PM |  |
| 6298 | OsmoGGSN (former OpenGGSN)                             | Feature | New    | Normal   | osmo-ggsn not providing MTU of the GTP tunnel to the MS   |          | 02/15/2024 10:30 PM | Related to #6298                                 |
| 6297 | OsmoMGW  | Bug     | New    | Normal   | octet-align=0 is the RFC 6871 specified default to use when omitted; but osmo-mgw assumes don't-care when omitted                       |          | 12/12/2023 02:12 AM | Is duplicate of #5726                            |
| 6295 | OsmoSGSN   | Bug     | New    | Normal   | TMSI realloc complete leads to SecurityModeReject   | osmith   | 12/07/2023 03:15 PM |  |
| 6294 | OsmoSGSN   | Feature | New    | High     | Support GN/Gp interoperation procedures between SGSN and MME  | daniel   | 04/22/2024 06:04 PM | Related to #6294, Related to #6439               |
| 6293 | OsmoMGW  | Bug     | New    | Normal   | osmo-mgw "decides" for a codec during MGCP handling; instead it should handle all configured payload type numbers as they arrive in RTP |          | 12/07/2023 05:52 AM | Related to #6293, Related to #6293, Blocks #6136 |
| 6291 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Bug     | New    | Normal   | 2024 event bringing together FOSS projects related to mobile communications   | laforge  | 12/13/2023 08:54 PM |  |
| 6285 | OsmoHNBGW  | Feature | New    | Low      | IUFP needs not CRCX in loopback mode  |          | 12/04/2023 03:58 AM |  |

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|------|---------------------------------------|---------|--------|----------|---|-----------|---------------------|-------------------------------|
| 6283 | OsmoHNBGW                             | Bug     | New    | Normal   | cnpool: hnbgw fails to extract Mobile Identity from some GMM Attach Request messages                                    |           | 12/04/2023 01:48 AM |                               |
| 6282 | OCTOI - Osmocom Community TDM over IP | Bug     | New    | Normal   | high BERT from laforge->divf->manawyrm  | manawyrm  | 12/03/2023 04:03 PM | Related to #6282              |
| 6281 | OCTOI - Osmocom Community TDM over IP | Bug     | New    | Normal   | divf yate: calls to wave playback or loopback never connect   |           | 12/04/2023 12:14 PM | Related to #6282              |
| 6274 | OCTOI - Osmocom Community TDM over IP | Bug     | New    | Low      | yate is eating 260% CPU while doing nothing   | laforge   | 11/25/2023 02:31 PM |                               |
| 6265 | pySim                                 | Feature | New    | Normal   | decode numeric SW in case of errors   | dexter    | 12/11/2023 01:01 PM |                               |
| 6255 | OsmoDia2GSUP                          | Bug     | New    | Normal   | Implement 3GPP Purge UE Request   |           | 11/10/2023 01:29 PM |                               |
| 6246 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | co-locate cisco 2811 for FrameRelay and X.25  | laforge   | 11/06/2023 01:48 PM |                               |
| 6245 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | co-locate cisco 2811 ITP/STP in data center   | laforge   | 11/06/2023 01:46 PM |                               |
| 6244 | Retronetworking                       | Feature | New    | Low      | scan more/all EWS(O) documentation laforge has  | laforge   | 11/01/2023 09:50 PM |                               |
| 6243 | Cellular Network Infrastructure       | Feature | New    | Low      | vty cfg: make changing startup defaults of applications backwards compatible  |           | 11/01/2023 07:06 PM |                               |
| 6242 | Core testing infrastructure           | Feature | New    | Normal   | Test eUPF against ttcn3-upf-test setup  |           | 12/18/2023 11:33 AM |                               |
| 6241 | libosmo-sccp + libosmo-sigtran        | Feature | New    | Low      | M3UA "Network Appearance" support   |           | 10/31/2023 03:00 PM | Related to #6241              |
| 6239 | libosmo-sccp + libosmo-sigtran        | Feature | New    | Normal   | finally deprecate libosmo-sccp (headers, static lib)  |           | 10/31/2023 07:31 PM |                               |
| 6237 | Retronetworking                       | Feature | New    | Low      | Design + Build PCBA for NE555 based fake fan rpm sensor   | laforge   | 10/30/2023 01:38 AM |                               |
| 6232 | libosmocore                           | Bug     | New    | Normal   | jenkins should give all libosmocore config options a try  | osmith    | 10/22/2023 04:16 PM |                               |
| 6231 | OsmoTRX                               | Feature | New    | Normal   | add support / calibration values for AntSDR E200  | roh       | 10/21/2023 03:25 PM |                               |
| 6225 | rtl-sdr                               | Bug     | New    | Normal   | rtl-sdr release tarballs missing from <a href="https://ftp.osmocom.org/releases/">https://ftp.osmocom.org/releases/</a> | osmith    | 10/19/2023 09:46 AM |                               |
| 6219 | Retronetworking                       | Feature | New    | Normal   | Publish pics/videos for EWSD rescue/move  | laforge   | 10/17/2023 02:10 PM |                               |
| 6218 | Retronetworking                       | Feature | New    | Normal   | write article/report on EWSD rescue for IGHFT / Fernmeldemuseum Dresden   | laforge   | 10/17/2023 02:11 PM |                               |
| 6215 | Cellular Network Infrastructure       | Bug     | New    | Normal   | Rebase open5gs pcrf_simple patches and submit upstream  | lynxis    | 10/18/2023 02:53 PM |                               |
| 6201 | OsmocomBB                             | Bug     | New    | Normal   | modem: signal proper MS Radio Access Capability   |           | 10/04/2023 12:34 PM | Related to #6201              |
| 6200 | OsmocomBB                             | Bug     | New    | High     | osmo-trx-ms: lots of @Received bad frame (rc=-1, ber=444/444)@  | Hoernchen | 10/05/2023 06:02 PM | Related to #6342,Blocks #6200 |
| 6196 | OsmoMGW                               | Bug     | New    | Normal   | Codec negotiation failure false positives   | dexter    | 12/07/2023 06:25 AM | Related to #6293              |
| 6195 | Retronetworking                       | Feature | New    | Low      | Wiki page on Cisco *WIC-* line cards for 26xx/28xx series   | laforge   | 10/08/2023 07:33 AM |                               |

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|------|---------------------------------|---------|--------|----------|--|----------|---------------------|-----------------------------------|
| 6194 | Retronetworking                 | Feature | New    | Low      | wiki page on MultiTech MT5600-BL   | laforge  | 09/27/2023 12:46 PM |                                   |
| 6193 | Retronetworking                 | Support | New    | Low      | Replace "event rack" PM3 power supply  | laforge  | 09/27/2023 12:19 PM |                                   |
| 6192 | OP25                            | Bug     | New    | Normal   | Unable to host behind NGINX reverse proxy  | max      | 09/27/2023 01:56 AM |                                   |
| 6188 | Cellular Network Infrastructure | Bug     | New    | Normal   | Osmocom manuals have "draft" in debian packages of released versions                   | osmith   | 09/21/2023 04:37 PM |                                   |
| 6185 | Core testing infrastructure     | Bug     | New    | Normal   | Submit titan.ProtocolEmulations.SCCP patch upstream                                    | neels    | 09/20/2023 06:22 PM |                                   |
| 6176 | OsmoSGSN                        | Bug     | New    | Low      | build failure (dependency / concurrency issue)   |          | 09/13/2023 03:14 PM |                                   |
| 6169 | osmo-e1d                        | Bug     | New    | High     | Frame masking against network frame ordering, not frame numbers                        | laforge  | 10/18/2023 03:19 PM |                                   |
| 6167 | OsmoBTS                         | Feature | New    | Low      | csd_v110: implement rate adaptation for TCH/F14.4                                      |          | 09/01/2023 11:58 AM | Related to #6167,Related to #6346 |
| 6159 | OsmoBSC                         | Bug     | New    | Normal   | use paging queue for PAGING messages that come from the BSC co-located PCU             | dexter   | 08/30/2023 12:39 PM |                                   |
| 6158 | OsmoHNBGW                       | Bug     | New    | Normal   | IMSI not shown in "show ue all"  | lynxis   | 08/29/2023 03:11 PM |                                   |
| 6150 | OsmoPCU                         | Feature | New    | Normal   | PCUIF: Use unique identifiers instead of the TLLI as msg_id.                           | dexter   | 10/24/2023 03:15 PM |                                   |
| 6149 | OsmoGSMTester                   | Bug     | New    | Normal   | osmo-gsm-tester gerrit verifications currently broken, not running in docker           | osmith   | 08/25/2023 09:13 AM |                                   |
| 6148 | OsmoDia2GSUP                    | Bug     | New    | Normal   | config file not installed not used by systemd service in debian                        | pespin   | 10/18/2023 03:21 PM |                                   |
| 6139 | OsmoSGSN                        | Feature | New    | Normal   | test mobility between GERAN (OsmoPCU) and EUTRAN (Open5GS) end to end on real hardware | dexter   | 04/02/2024 09:38 AM |                                   |
| 6137 | OsmoHNBGW                       | Feature | New    | Normal   | ip.access Nano3G   | lynxis   | 10/21/2023 07:24 PM |                                   |
| 6132 | OsmocomBB                       | Feature | New    | Normal   | Add MS_GPRS_Tests to osmo-ttcn3-hacks  | fixeria  | 10/04/2023 10:29 PM | Related to #6132                  |
| 6129 | Miscellaneous Projects          | Bug     | New    | Normal   | Discourse: Setting a custom avatar via upload fails                                    |          | 08/02/2023 06:07 PM |                                   |
| 6126 | OsmoGSMTester                   | Bug     | New    | Normal   | osmo-gsm-tester docker container uses debian 10  |          | 08/01/2023 09:49 AM | Related to #6126                  |
| 6125 | OsmocomBB                       | Bug     | New    | Normal   | LLC GIA/GEA (auth/encryption) not yet tested   | pespin   | 08/28/2023 10:32 PM |                                   |
| 6122 | Cellular Network Infrastructure | Bug     | New    | Low      | remove big endian support  | osmith   | 10/18/2023 05:20 PM | Related to #6122                  |
| 6120 | pySim                           | Bug     | New    | Low      | select MF raise an exception after selecting ADF.ARA-M                                 | dexter   | 12/18/2023 10:30 AM | Related to #6120                  |
| 6118 | OsmoPCU                         | Bug     | New    | Normal   | osmo-pcu assigns multi-slot TBFs over PACCH to MS with unknown ms_class                | pespin   | 09/22/2023 02:33 PM |                                   |
| 6106 | OsmoGGSN (former OpenGGSN)      | Bug     | New    | Normal   | OsmoGGSN attempts to use the same GTP-U socket for all APNs with gtpu-mode kernel-gtp  |          | 02/21/2024 10:31 AM | Related to #6106,Related to #6106 |
| 6104 | pySim                           | Feature | New    | Low      | reduce number of python dependencies   |          | 07/20/2023 04:28 PM |                                   |
| 6092 | pySim                           | Feature | New    | Low      | "export" suport for ARA-M  | dexter   | 10/31/2023 06:40 PM |                                   |
| 6086 | pySim                           | Feature | New    | Low      | implement features of sysmo-{usim,isim}-tool   | laforge  | 07/13/2023 04:09 AM |                                   |

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| 6085 | OsmoHNBGW                       | Feature | New    | Low      | context_map_sccp.c parrots states/events that the SCCP-SCOC FSM already handles                     | neels     | 10/18/2023 03:31 PM |                                    |
| 6060 | OsmoMGW                         | Bug     | New    | Low      | osmo-mgw: Implement MGCP RestartInProgress (RSIP)   | jolly     | 10/18/2023 04:59 PM |                                    |
| 6059 | OsmoBSC                         | Bug     | New    | Normal   | negotiate GSM-HR RTP packet format explicitly   | dexter    | 06/13/2023 10:38 AM |                                    |
| 6051 | OsmoHNBGW                       | Feature | New    | Low      | misnomer in internal SCCP functions   | neels     | 07/06/2023 08:26 PM |                                    |
| 6036 | OsmoBTS                         | Feature | New    | Normal   | Implement ternary SID classification for HR1 uplink   |           | 05/17/2023 09:48 PM | Related to #6036, Related to #6036 |
| 6032 | rtl-sdr                         | Bug     | New    | Normal   | Poor APRS demodulation using RTL_FM on RaspberryPI or on old PC                                     |           | 05/15/2023 12:14 PM |                                    |
| 6029 | Core testing infrastructure     | Bug     | New    | Normal   | Single TTCN3 BSC handover test fails  |           | 10/18/2023 05:31 PM |                                    |
| 6021 | libosmocore                     | Bug     | New    | Low      | map file breaks recent lld builds   | Hoernchen | 05/04/2023 05:49 AM |                                    |
| 6019 | OsmoBSC                         | Bug     | New    | Normal   | "PCU version PCU socket has LOST connection connected"  | fixeria   | 10/18/2023 05:42 PM |                                    |
| 6015 | OsmoPCU                         | Bug     | New    | Normal   | osmo-pcu (with ericsson RBS) is unable to keep TRAU frames in sync                                  | dexter    | 12/23/2023 01:12 AM |                                    |
| 6012 | rtl-sdr                         | Bug     | New    | Normal   | Update wiki for macos build   | steve-m   | 05/01/2023 02:38 AM |                                    |
| 6009 | OsmoMSC                         | Bug     | New    | Normal   | omo-msc: lots of tlv_parse() calls in src/libmsc/gsm_04_08.c have no return code checked for errors |           | 04/19/2023 03:19 PM |                                    |
| 6007 | OsmoBSC                         | Bug     | New    | Normal   | network -> bts -> gprs nsvc will always create a nsvc node  |           | 04/17/2023 04:08 PM |                                    |
| 6005 | rtl-sdr                         | Bug     | New    | Normal   | rtl-test and rtl-sdr exit code=-5 when running on Windows 10 WSL and Ubuntu                         | steve-m   | 10/18/2023 05:45 PM |                                    |
| 6000 | OsmoMSC                         | Feature | New    | Normal   | Allow emergency calls without IMSI (using IMEI as MI)   |           | 04/12/2023 11:03 AM | Related to #6000                   |
| 5995 | OsmoBTS                         | Bug     | New    | Low      | osmo-bts printing log line 'OC=GPRS-NSE(f0) INST=(00,ff,ff): Tx unknown 0xf6'                       |           | 10/18/2023 05:47 PM |                                    |
| 5991 | OsmoBSC                         | Bug     | New    | Normal   | Forward TSNS-PROV bsc->[bts->]pcu   | jolly     | 12/17/2023 12:59 PM | Related to #5991                   |
| 5986 | OsmoBSC                         | Bug     | New    | Normal   | PAGING impossible until CCCH LOAD IND is received from the BTS                                      | keith     | 03/31/2023 09:13 AM |                                    |
| 5985 | Cellular Network Infrastructure | Bug     | New    | Normal   | tests: not all Osmocom projects have @osmoappdesc.py@   |           | 03/29/2023 08:09 PM |                                    |
| 5976 | pySim                           | Feature | New    | Low      | pySim-prog: do not program linked files multiple times  | dexter    | 03/27/2023 04:05 PM |                                    |
| 5957 | OsmoBTS                         | Bug     | New    | Low      | not all osmo-bts variants respond to abisip-find  | jolly     | 03/22/2023 09:20 AM |                                    |
| 5952 | OsmoBTS                         | Bug     | New    | Normal   | ttn3-bts-test: TC_ho_physical_info fails  | fixeria   | 11/15/2023 08:23 AM |                                    |
| 5947 | Retrocomputing                  | Feature | New    | Low      | Assemble PC104-SVGA   | laforge   | 03/15/2023 09:29 AM |                                    |
| 5940 | Retrocomputing                  | Feature | New    | Low      | Assemble LPT_Capture  | laforge   | 03/15/2023 09:06 AM |                                    |
| 5936 | Retrocomputing                  | Feature | New    | Low      | Assemble netpi-ide  | laforge   | 03/02/2023 09:25 PM |                                    |
| 5932 | Retrocomputing                  | Feature | New    | Low      | assemble ISA-USB  | laforge   | 03/02/2023 09:25 PM |                                    |

| #    | Project                               | Tracker | Status | Priority | Subject  | Assignee  | Updated             | Related issues   |
|------|---------------------------------------|---------|--------|----------|--|-----------|---------------------|------------------|
| 5931 | libosmo-netif                         | Bug     | New    | High     | heap-use-after-free when osmo_stream_srv_destroy() is called inside read_cb()            | daniel    | 03/02/2023 11:03 AM |                  |
| 5930 | OsmoPCU                               | Feature | New    | Low      | handle multiple BTSs with one PCU  |           | 03/03/2023 10:47 AM |                  |
| 5922 | rtl-sdr                               | Bug     | New    | Normal   | rtl_sdr bytes_to_read wraparound for n > 2**31   | steve-m   | 03/20/2023 10:16 AM |                  |
| 5919 | Core testing infrastructure           | Bug     | New    | Low      | osmo-python-tests: Update/fix README or setup process                                    | osmith    | 03/20/2023 10:17 AM |                  |
| 5918 | osmo-fl2k                             | Bug     | New    | Normal   | -flto broken in release  | steve-m   | 12/20/2023 08:43 PM |                  |
| 5915 | libosmocore                           | Bug     | New    | Low      | gprs: ns2: convert timers into osmo-timers   | jolly     | 12/17/2023 12:59 PM | Related to #5915 |
| 5908 | Cellular Network Infrastructure       | Feature | New    | Low      | Cleanup license information throughout the projects                                      |           | 02/16/2023 11:02 AM |                  |
| 5904 | OsmoHNBGW                             | Feature | New    | Normal   | HNABP Register Request handling does checks that seem to make no sense                   | neels     | 09/01/2023 05:00 AM |                  |
| 5899 | libosmo-sccp + libosmo-sigtran        | Bug     | New    | Low      | ttcn3-sccp-test-latest is actually running code from master, not latest                  | osmith    | 03/20/2023 01:18 PM |                  |
| 5895 | OsmoBTS                               | Bug     | New    | Low      | LC15: Audio Quality Problem sometime after cf7a7fceb625a14fd764355c3b96fa86c77458c       |           | 03/20/2023 11:37 PM |                  |
| 5891 | osmo-remsim                           | Bug     | New    | Normal   | bankd: potential pthread deadlock reported by coverity                                   | laforge   | 02/03/2023 07:35 PM |                  |
| 5887 | Cellular Network Infrastructure       | Bug     | New    | Low      | coverity: build everything in docker container and add CI                                | osmith    | 02/01/2023 10:25 AM |                  |
| 5885 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | set up a second GPS03 + icE1usb setup  | laforge   | 01/31/2023 08:05 PM | Related to #5885 |
| 5883 | OCTOI - Osmocom Community TDM over IP | Bug     | New    | Normal   | GPS sync sometimes goes to hold over   | tnt       | 01/30/2023 02:18 PM | Related to #5885 |
| 5878 | pySim                                 | Bug     | New    | Normal   | pySim shell: version fails with DistributionNotFound                                     | fixeria   | 10/06/2023 09:03 AM |                  |
| 5876 | OsmoHNBGW                             | Bug     | New    | Normal   | on HNBAP HNB Register, clear previous UE state if any                                    | neels     | 03/20/2023 01:27 PM |                  |
| 5869 | OsmoHNBGW                             | Bug     | New    | Normal   | osmo-hnbgw ignores HNBAP HNB De-Register   |           | 01/21/2023 01:52 AM |                  |
| 5867 | OsmoHNBGW                             | Feature | New    | Normal   | HNBGW_Tests.ttcn should do HNBAP UE Register and De-Register tests                       |           | 01/21/2023 02:30 AM |                  |
| 5865 | OsmoHLR                               | Feature | New    | Low      | Automate selection of LU Reject Cause  |           | 02/16/2023 10:36 AM |                  |
| 5864 | libosmocore                           | Bug     | New    | Normal   | Libosmocore: Fix order of config parsing output  |           | 02/04/2023 05:21 PM |                  |
| 5859 | OsmoTRX                               | Feature | New    | Normal   | remove non-neon and non-sse support  | Hoernchen | 01/16/2023 10:17 PM |                  |
| 5855 | Retronetworking                       | Feature | New    | Normal   | Establishing a German non-profit for retronetworking                                     | laforge   | 01/13/2023 11:59 AM |                  |
| 5853 | OsmoSGSN                              | Feature | New    | Normal   | osmo-sgsn: Rework to use libosmo-gprs  |           | 01/11/2023 03:14 PM |                  |
| 5852 | OsmoSGSN                              | Bug     | New    | Normal   | osmo-sgsn: Keep TLLI->NSEI+BVC1 relation knowledge in BSSGP layer                        |           | 01/11/2023 03:08 PM |                  |
| 5851 | OsmoSGSN                              | Bug     | New    | Normal   | check if rate ctr GMM_CTR_PKTS_UDATA_IN is correct increased in sgsn_gtp_data_req() func |           | 01/10/2023 06:40 PM |                  |

| #    | Project                         | Tracker | Status | Priority | Subject   | Assignee      | Updated             | Related issues                    |
|------|---------------------------------|---------|--------|----------|---|---------------|---------------------|-----------------------------------|
| 5850 | SDR (Software Defined Radio)    | Bug     | New    | Normal   | OBS mingw builds not updated since 2019   | roox          | 01/04/2023 12:15 PM |                                   |
| 5844 | OsmoPCU                         | Bug     | New    | Normal   | pcu: ns: ip-sns: 2 local binds with a single remote is invalid                                |               | 12/22/2022 09:59 PM |                                   |
| 5843 | OsmoBSC                         | Bug     | New    | Normal   | BTS features aren't reset after oml drop  |               | 12/22/2022 09:27 PM |                                   |
| 5842 | OsmoBSC                         | Bug     | New    | Normal   | ipa: investigate NSVC local and remote port configuration difference with wireshark dissector |               | 12/22/2022 07:18 PM |                                   |
| 5839 | OsmoGSMTester                   | Feature | New    | Normal   | Ability to switch off the osmo-trx machine  | pespin        | 12/20/2022 05:43 PM |                                   |
| 5838 | OsmoGSMTester                   | Feature | New    | Normal   | Implement power switching for all BTSs  |               | 12/20/2022 05:30 PM |                                   |
| 5837 | OsmoHNBGW                       | Bug     | New    | Normal   | osmo-juh: UE-REGISTER-REQ with uE_Identity type IMEI not implemented.                         |               | 12/20/2022 03:43 PM |                                   |
| 5834 | OsmoPCU                         | Feature | New    | Normal   | VTY option "two-phase-access" is misleading   |               | 12/19/2022 06:55 PM |                                   |
| 5833 | OsmoPCU                         | Feature | New    | Low      | A "meas-feed" for osmo-pcu  | keith         | 12/18/2022 06:42 PM |                                   |
| 5831 | OsmocomBB                       | Bug     | New    | Normal   | SE K2x0i: built-in SIM reader is not working  | steve-m       | 12/16/2022 12:03 AM |                                   |
| 5829 | libosmocore                     | Feature | New    | Low      | log fallback for log_check_level(), log_parse_category()                                      |               | 12/13/2022 10:44 PM |                                   |
| 5827 | OsmoPCU                         | Feature | New    | Normal   | osmo-pcu: Hardcoded limit of maximum number of 8 TRX per BTS                                  | pespin        | 12/16/2022 11:55 AM |                                   |
| 5822 | OsmocomBB                       | Bug     | New    | Normal   | SE K2x0i: missing RF and AFC params   |               | 12/15/2022 11:36 PM |                                   |
| 5819 | Cellular Network Infrastructure | Bug     | New    | Low      | Gerrit/gitiles: Parent links don't work   |               | 12/08/2022 01:28 PM |                                   |
| 5818 | libosmocore                     | Bug     | New    | Normal   | multithreaded logging causes lock contention and needs a rework                               |               | 01/10/2024 09:05 AM |                                   |
| 5816 | OsmoHNBGW                       | Feature | New    | Low      | Picocells available in R.U  |               | 03/09/2024 07:09 PM |                                   |
| 5815 | OsmocomBB                       | Feature | New    | Low      | mobile: compose Bearer Capability IE depending on PHY capabilities and GAPK codec support     |               | 12/06/2022 07:38 PM | Related to #5815,Related to #5815 |
| 5814 | OsmoUPF                         | Feature | New    | Normal   | tunmap: more concisely match on GTP-U packets   |               | 12/06/2022 07:30 PM |                                   |
| 5813 | OsmoHNBGW                       | Feature | New    | Low      | Alcatel-Lucent femtocells available in Europe   |               | 03/09/2024 07:09 PM |                                   |
| 5812 | OsmocomBB                       | Feature | New    | Low      | mobile: missing AMR support   |               | 12/06/2022 03:07 PM | Related to #5812                  |
| 5808 | gr-osmosdr                      | Feature | New    | Normal   | New option, for selecting an input channel of a soapy_source_c                                |               | 12/05/2022 11:45 AM |                                   |
| 5805 | SIMtrace 2                      | Feature | New    | Normal   | SIM Trace 2 Build for Windows   | jelson_simEng | 04/02/2023 09:56 AM |                                   |
| 5780 | OsmoMSC                         | Feature | New    | Normal   | Implement/Support UUS1  |               | 01/24/2023 10:48 AM |                                   |
| 5773 | OsmoGGSN (former OpenGGSN)      | Bug     | New    | Normal   | OsmoGGSN sends Direct Tunnel packets to the wrong IP address                                  |               | 11/17/2022 04:17 AM |                                   |
| 5771 | Cellular Network Infrastructure | Feature | New    | Normal   | series of presentations about the individual CNI network elements                             |               | 11/14/2022 07:25 PM |                                   |
| 5768 | Retronetworking                 | Feature | New    | Normal   | retronetworking logo / artwork  |               | 04/07/2024 10:40 PM |                                   |
| 5766 | libosmo-abis                    | Feature | New    | Low      | use Linux kernel KCM for IPA header?  |               | 11/13/2022 08:15 AM | Related to #5766                  |



| #    | Project                                      | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                                 |
|------|--|---------|--------|----------|---|----------|---------------------|--|
| 5764 | Cellular Network Infrastructure              | Bug     | New    | Normal   | GCC does not check format strings in LOGPFSM macros   |          | 11/11/2022 06:30 AM |  |
| 5762 | Core testing infrastructure                  | Feature | New    | Normal   | Develop TTCN-3 test suite for PGW   |          | 11/10/2022 06:38 PM |  |
| 5761 | Core testing infrastructure                  | Feature | New    | Normal   | Develop TTCN-3 test suite for SGW   |          | 11/09/2022 09:49 PM |  |
| 5758 | OsmoDia2GSUP                                 | Feature | New    | Normal   | bring osmo_dia2gsup to production quality   | lynxis   | 03/30/2023 08:13 PM |  |
| 5756 | libosmo-abis                                 | Bug     | New    | Normal   | io_uring support in libosmo-abis  |          | 03/20/2024 03:58 PM | Related to #5756,Related to #6357,Blocks #5896 |
| 5750 | Cellular Network Infrastructure              | Bug     | New    | Normal   | contrib/jenkins.sh: build with -Wunused-macros and -Wundef  |          | 11/08/2022 08:07 PM |  |
| 5749 | Cellular Network Infrastructure              | Bug     | New    | Normal   | configure.ac: default CFLAGS, LT_INIT adds "-g -O2"   | fixeria  | 01/31/2023 08:12 PM |  |
| 5746 | Retronetworking                              | Feature | New    | Low      | Create H.221 decoder  |          | 11/07/2022 10:55 PM |  |
| 5744 | OsmoBSC                                      | Bug     | New    | Low      | systobts: when a BTS is rf_locked and doesn't support BTS_FEAT_MULTI_TSC the OML connection is dropped  | lynxis   | 11/23/2022 11:14 PM |  |
| 5740 | OsmoBSC                                      | Feature | New    | Low      | Disallow unworkable AMR modes.  | keith    | 11/08/2022 05:15 PM |  |
| 5738 | Misc Hardware Projects                       | Bug     | New    | Normal   | Sim 800L module Connectivity  |          | 11/02/2022 06:55 PM |  |
| 5735 | osmo-e1d                                     | Bug     | New    | Normal   | ctl client disconnect doesn't re-set timeslot state   |          | 05/23/2023 06:19 AM |  |
| 5731 | gr-osmosdr                                   | Bug     | New    | High     | Install gr-osmosdr on Ubuntu 20.04  |          | 10/27/2022 01:39 PM |  |
| 5730 | OsmoMGW                                      | Feature | New    | Low      | Fax over GSM support  | manawyrm | 10/16/2023 08:53 PM | Precedes #5730                                 |
| 5726 | OsmoMGW                                      | Bug     | New    | Normal   | AMR octet-align in SDP: lack of 'octet-align' fmp should imply octet-align=0, and the presence or absence of this fmp should not have an effect |          | 12/12/2023 01:51 AM | Is duplicate of #5726                          |
| 5722 | Cellular Network Infrastructure              | Feature | New    | Low      | Migrate jenkins build slaves from docker to podman  |          | 10/21/2022 08:29 PM | Related to #5722                               |
| 5721 | OsmoCBC                                      | Feature | New    | Normal   | CBC messages Geographical Scope and CBS Index   |          | 10/19/2022 07:23 AM |  |
| 5716 | libosmocore                                  | Bug     | New    | Normal   | Replace dynamic (DEAD) NSE if we receive an NS_RESET from a conflicting NSVC  | lynxis   | 10/17/2022 04:40 PM |  |
| 5712 | OsmoBSC                                      | Bug     | New    | Normal   | LCLS FSM; Not possible to get out from NO_LONGER_LS   | dexter   | 10/18/2022 09:03 AM | Related to #5712                               |
| 5710 | E1/T1 Hardware Interface (including icE1usb) | Feature | New    | Normal   | rs422: Merge as much of the gateware in master as possible  | tnt      | 10/13/2022 06:53 PM | Related to #5710                               |
| 5709 | E1/T1 Hardware Interface (including icE1usb) | Feature | New    | Normal   | rs422: Merge as much of the firmware into master to avoid separate branch   | tnt      | 10/13/2022 06:49 PM | Related to #5709                               |

| #    | Project                                      | Tracker | Status | Priority  | Subject  | Assignee  | Updated             | Related issues                    |
|------|--|---------|--------|-----------|--|-----------|---------------------|-----------------------------------|
| 5708 | E1/T1 Hardware Interface (including icE1usb) | Bug     | New    | Normal    | rs422: Support runtime re-init of the GPS receiver   | tnt       | 10/13/2022 06:46 PM | Related to #5708                  |
| 5699 | OsmoMSC                                      | Bug     | New    | Normal    | MNCC_RTP_CREATE is not sent in a call waiting scenario                                       |           | 10/10/2022 06:46 PM |                                   |
| 5692 | Cellular Network Infrastructure              | Feature | New    | Low       | switch to C99 standard flexible arrays instad of gcc-specific zero-length arrays             |           | 09/29/2022 05:59 AM |                                   |
| 5683 | Osmocom Libraries                            | Bug     | New    | Immediate | How to install osmocom in China  |           | 09/18/2022 10:18 AM |                                   |
| 5682 | OsmoUPF                                      | Feature | New    | Low       | cfg: separate PFCP Node ID from PFCP local address   |           | 09/17/2022 02:21 PM | Related to #5682                  |
| 5681 | Retronetworking                              | Bug     | New    | Normal    | Figure out suitable connectors for EKSOS   | laforge   | 07/31/2023 10:22 AM |                                   |
| 5672 | Misc Hardware Projects                       | Bug     | New    | Normal    | sfp-experimenter / voltage swing of LVDS driver insufficient for SFP spec                    |           | 09/02/2022 03:27 PM |                                   |
| 5669 | Cellular Network Infrastructure              | Bug     | New    | Normal    | Test .deb packages built by our OBS  |           | 09/21/2022 01:03 PM | Related to #5669,Related to #5669 |
| 5662 | OsmoUPF                                      | Feature | New    | Normal    | add Linux kernel options to manual   |           | 08/24/2022 03:13 PM |                                   |
| 5648 | libosmo-pfcp                                 | Feature | New    | Normal    | implement common PFCP CPF client VTY config  |           | 08/17/2022 03:29 PM | Related to #5648                  |
| 5647 | OsmoHNBGW                                    | Feature | New    | Normal    | cfg: separate PFCP Node ID from PFCP local address   |           | 08/17/2022 03:38 PM | Related to #5648,Related to #5682 |
| 5644 | Osmocom Libraries                            | Bug     | New    | Normal    | Check library pkg-config files for proper dependencies                                       |           | 08/10/2022 01:02 PM | Related to #5644                  |
| 5641 | OsmoCBC                                      | Feature | New    | Normal    | OsmoCBC doesn't yet support reloading cells becoming operational with active messages        |           | 08/05/2022 05:10 PM |                                   |
| 5633 | osmo-clock-gen                               | Feature | New    | Normal    | towards a first osmo-clock-gen production batch  | laforge   | 07/26/2022 12:39 PM |                                   |
| 5628 | osmo-remsim                                  | Bug     | New    | Low       | client-st2: error mesasges when mapping is removed   |           | 07/24/2022 07:14 AM |                                   |
| 5614 | osmo-remsim                                  | Feature | New    | Normal    | log also application-level errors  | laforge   | 07/11/2022 08:09 PM |                                   |
| 5586 | OsmoBSC                                      | Feature | New    | Normal    | Ericsson RBS could recover Unlocked state without osmo-bsc restart                           |           | 06/21/2022 10:23 PM | Related to #5983                  |
| 5585 | OsmoCBC                                      | Bug     | New    | Low       | CBC should not send WRITE-REPLACE to cells that had sent FAILURE                             |           | 08/05/2022 04:58 PM |                                   |
| 5576 | OsmoBTS                                      | Bug     | New    | Normal    | osmo-bts not moving NM state "Enabled -> DisabledDependency" when Admin state becomes Locked |           | 06/02/2022 10:38 AM |                                   |
| 5574 | OsmoBSCNAT                                   | Bug     | New    | Urgent    | OsmoBSCNAT testsuite running in jenkins  | Hoernchen | 10/06/2022 11:46 AM | Related to #5574                  |
| 5573 | OsmoHNBGW                                    | Bug     | New    | Normal    | osmo-hnbgw: RANAP LocationReportingControl not implemented                                   |           | 05/30/2022 02:05 PM |                                   |
| 5571 | Ericsson RBS 6xxx                            | Bug     | New    | High      | DUG can come up, but with Avail: "Power Off"   | dexter    | 11/08/2022 05:10 PM |                                   |
| 5570 | libosmocore                                  | Bug     | New    | Normal    | coding: decode in-band data in AMR's special DTX frames (SID_FIRST, SID_UPDATE, SID_ONSET)   | fixeria   | 05/24/2022 08:34 AM | Related to #5570                  |
| 5561 | libosmo-sccp + libosmo-sigtran               | Bug     | New    | Low       | pc=0=0.0.0 / RCOE-ERROR.ind not permitted  |           | 05/23/2023 06:20 AM |                                   |
| 5550 | pySim  | Bug     | New    | Normal    | EF.ARR file decoding would need to be context dependent                                      | chrysn    | 06/24/2022 08:50 AM |                                   |

| #    | Project                               | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|---------------------------------------|---------|--------|----------|--|----------|---------------------|------------------|
| 5547 | OsmoBSC                               | Feature | New    | Low      | upon emergency call, from the MSC-pool pick an MSC that allows emergency calling                         |          | 04/25/2022 05:49 AM |                  |
| 5546 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Normal   | build frame relay "hub" similar to ISDN "hub"  |          | 04/24/2022 03:03 PM |                  |
| 5545 | Retronetworking                       | Feature | New    | Low      | E1 support for dynamips  |          | 04/24/2022 09:56 AM |                  |
| 5544 | OCTOI - Osmocom Community TDM over IP | Bug     | New    | Normal   | Strange HDLC frames in PPP when using mISDN/pppd/capiplugin against Portmaster3                          |          | 04/23/2022 01:50 PM |                  |
| 5543 | Retronetworking                       | Feature | New    | Normal   | Contact manufacturers for leftover stock   |          | 06/27/2023 09:05 PM |                  |
| 5526 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | ability to generate GSMTAP traces from osmo-e1d  |          | 07/29/2023 07:23 AM |                  |
| 5521 | osmo-e1d                              | Bug     | New    | Low      | don't attempt OCTOI connection of no TDM data from driver (icE1usb)                                      |          | 04/10/2022 05:28 PM |                  |
| 5520 | osmo-e1d                              | Feature | New    | Low      | exponential back-off on octoi client reconnect attempts  |          | 07/29/2023 07:30 AM |                  |
| 5519 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | reimplement overlapped.php based on yate python module   |          | 12/03/2023 10:47 AM |                  |
| 5517 | OsmoBTS                               | Bug     | New    | Normal   | ttn3-bts-test: new sporadic test case failures   | fixeria  | 03/20/2023 11:45 PM |                  |
| 5515 | OsmoBSC                               | Bug     | New    | Normal   | BSC_Tests: re-establishment: RA during CHAN RQD should reflect re-establishment                          |          | 04/06/2022 08:02 PM |                  |
| 5512 | Retronetworking                       | Bug     | New    | Low      | Idea: L1OIP driver for DAHDI   |          | 04/03/2022 11:46 AM |                  |
| 5511 | Retronetworking                       | Feature | New    | Low      | Idea: DAHDI backend for mISDN  |          | 09/18/2022 03:59 PM |                  |
| 5509 | OsmoSGSN                              | Bug     | New    | Normal   | llc/pdu lifetime: add vty config option to define default lifetime                                       |          | 03/31/2022 04:11 PM |                  |
| 5507 | libosmocore                           | Feature | New    | Normal   | Optimize reset time after SGSN is restarted  | lynxis   | 03/31/2022 12:33 PM |                  |
| 5505 | OsmocomBB                             | Feature | New    | Normal   | GPRS mobility (cell change) support  |          | 07/01/2022 06:24 AM | Related to #5505 |
| 5504 | OsmocomBB                             | Feature | New    | Normal   | GSM/GPRS coordination (RR/GRR)   |          | 05/23/2023 12:31 PM | Related to #5504 |
| 5499 | osmo-e1d                              | Bug     | New    | Low      | octoi client binds to specific IP even if 0.0.0.0 is specified   |          | 05/23/2023 07:10 AM |                  |
| 5492 | OsmoBSCNAT                            | Bug     | New    | Normal   | Support MSC pooling  | osmith   | 04/11/2022 08:19 AM |                  |
| 5491 | OsmoMSC                               | Bug     | New    | Low      | MT CSFB calls fail (only) first time after Airplane mode toggle (probably on first attach to EUTRAN too) | keith    | 03/19/2022 09:37 PM |                  |
| 5489 | linmodem                              | Feature | New    | Low      | linmodem mISDN integration   |          | 03/13/2022 09:35 PM |                  |
| 5487 | OsmoSGSN                              | Feature | New    | Low      | get rid of osmo-iuh.git's iu_client API and absorb into OsmoSGSN   |          | 03/10/2022 06:05 PM |                  |
| 5484 | Open Source IMS Client                | Feature | New    | Normal   | create setup for nested IPsec (doubango on top of StrongSWAN)  |          | 03/07/2022 11:19 AM |                  |
| 5483 | Open Source IMS Client                | Feature | New    | Normal   | SIM card interface for strongswan  |          | 03/07/2022 03:19 PM |                  |
| 5482 | Open Source IMS Client                | Feature | New    | Normal   | VoWiFi client for creating [outer] IPsec tunnel to ePDG  |          | 03/07/2022 09:33 PM | Related to #5482 |
| 5481 | Open Source IMS Client                | Feature | New    | Urgent   | SIM card interface for doubango  | laforge  | 03/25/2022 11:00 AM | Related to #5482 |

| #    | Project                               | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                                     |
|------|---------------------------------------|---------|--------|----------|---|----------|---------------------|--|
| 5474 | OsmoBTS                               | Bug     | New    | Normal   | osmo-bts-trx: DTXd support not implemented  |          | 03/02/2022 05:06 PM | Related to #5474,Related to #5474                  |
| 5468 | OsmoMGW                               | Feature | New    | Normal   | osmo-mgw: 2g<->3g call support  |          | 06/03/2022 10:39 AM | Related to #5468,Related to #5468,Related to #5468 |
| 5466 | OsmocomBB                             | Feature | New    | Normal   | CP2102N evaluation for burst_ind baudrate   | laforge  | 02/22/2022 07:17 PM |  |
| 5462 | osmo-sip-connector                    | Bug     | New    | Normal   | Contact Header Missing - Way Forward?   |          | 02/21/2022 05:51 AM |  |
| 5460 | gr-osmosdr                            | Bug     | New    | Normal   | Please use double for ppm with fcdp/pp  |          | 02/17/2022 10:43 PM |  |
| 5449 | OsmoGGSN (former OpenGGSN)            | Bug     | New    | Low      | osmo-ggsn: Accept IPv4v6 EUA pdp creation in APv4/v6-only APNs by answering with changed PDP Type |          | 04/04/2023 09:46 AM |  |
| 5448 | gr-osmosdr                            | Bug     | New    | Low      | a bug related to gqrx using gr-osmosdr for sdrplay rsp1 through soapy(?)                          |          | 02/09/2022 02:56 AM |  |
| 5446 | Cellular Network Infrastructure       | Feature | New    | Normal   | correlate git version to ttcn3 tests  |          | 02/07/2022 09:40 PM | Related to #5446                                   |
| 5445 | gr-osmosdr                            | Bug     | New    | Normal   | Please switch to the gr-funcube   |          | 02/15/2022 11:56 PM |  |
| 5443 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Normal   | possibility to transmit frames from multiple lines in one packet                                  |          | 02/06/2022 08:15 AM |  |
| 5442 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Normal   | ensure sequence number covers longer duration than default PRI LOS timer                          | laforge  | 02/06/2022 08:16 AM |  |
| 5437 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | brainstorm about making protocol even more efficient  | laforge  | 01/30/2022 01:45 PM |  |
| 5436 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | BRI variant of OCTOI protocol   | laforge  | 01/30/2023 06:49 PM | Related to #5436                                   |
| 5435 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | use DNS to resolve the server   |          | 04/05/2022 08:20 PM |  |
| 5433 | OCTOI - Osmocom Community TDM over IP | Bug     | New    | Normal   | forwarding of TS0 / Alarms  |          | 01/30/2022 11:02 AM |  |
| 5429 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Normal   | authentication in TDMoIP protocol   | laforge  | 11/07/2022 05:29 PM |  |
| 5427 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | STUN/TURN/ICE for peer-to-peer connections  |          | 01/30/2022 10:43 AM |  |
| 5425 | gr-osmosdr                            | Bug     | New    | High     | Problem receiving samples using dual receivers with BladeRF                                       |          | 01/29/2022 04:22 AM |  |
| 5423 | SIMtrace 2                            | Bug     | New    | Low      | "trace" firmware continuous test setup  |          | 01/27/2022 12:24 PM |  |
| 5415 | SIMtrace 2                            | Bug     | New    | Normal   | cardem: watchdog triggers firmware reset  | lynxis   | 02/15/2022 08:07 PM |  |
| 5403 | OsmoMSC                               | Feature | New    | Normal   | Can't connect Call from 2G to 4G network  | laforge  | 01/14/2022 10:41 PM |  |

| #    | Project                                      | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|--|---------|--------|----------|--|----------|---------------------|-----------------------------------|
| 5402 | E1/T1 Hardware Interface (including icE1usb) | Bug     | New    | Normal   | no2e1 gateway improvements   |          | 01/13/2022 12:02 PM |                                   |
| 5398 | OsmoSGSN                                     | Bug     | New    | Normal   | Null pointer access at "uctx" in ranap_iu_tx   | pespin   | 01/10/2022 01:14 PM |                                   |
| 5396 | OsmocomDECT                                  | Bug     | New    | High     | TcpDump/WireShark will not build with libpcap(dect)  |          | 01/09/2022 12:57 PM |                                   |
| 5395 | OsmocomDECT                                  | Feature | New    | Normal   | Support for LMX3161  |          | 01/09/2022 12:55 PM |                                   |
| 5394 | OsmocomDECT                                  | Bug     | New    | High     | Kernel Oops when loading com_on_air_cs (unable to handle kernel NULL pointer dereference)                  |          | 01/09/2022 12:54 PM |                                   |
| 5393 | OsmocomDECT                                  | Bug     | New    | High     | tipc problems while building on Ubuntu   |          | 01/09/2022 12:48 PM |                                   |
| 5392 | OsmocomDECT                                  | Bug     | New    | High     | Sliding collision errors   |          | 01/09/2022 12:44 PM |                                   |
| 5389 | OsmocomDECT                                  | Bug     | New    | Low      | Namespace clashes between kernel and userspace   |          | 01/09/2022 12:30 PM |                                   |
| 5388 | OsmocomDECT                                  | Bug     | New    | Low      | {MM-INFO-SUGGEST} message not sent with ext bit set to 0   |          | 01/09/2022 12:28 PM |                                   |
| 5386 | osmo-e1d                                     | Bug     | New    | Low      | stop watchdog when LOS is present  | laforge  | 01/05/2022 08:38 PM |                                   |
| 5382 | E1/T1 Hardware Interface (including icE1usb) | Bug     | New    | Low      | icE1usb: detect all-1 pattern and report as BLUE alarm   |          | 01/02/2022 12:17 PM | Related to #5382                  |
| 5381 | E1/T1 Hardware Interface (including icE1usb) | Bug     | New    | Low      | icE1usb DAHDI driver: generate YELLOW alarm towards peer   | laforge  | 01/02/2022 12:16 PM | Related to #5381,Related to #5381 |
| 5380 | osmo-ccid-firmware                           | Bug     | New    | Normal   | Incorrect answer to PC_to_RDR_SetParameters CCID command   |          | 01/16/2022 08:55 PM |                                   |
| 5378 | erlang/osmo_ss7                              | Bug     | New    | Normal   | ipa: add support for client application  | laforge  | 01/05/2022 08:36 PM |                                   |
| 5372 | osmo-lab-rack                                | Feature | New    | Low      | AC power supply  |          | 12/23/2021 06:33 PM |                                   |
| 5371 | osmo-lab-rack                                | Feature | New    | Low      | component carrier USB-UART   |          | 12/23/2021 06:31 PM |                                   |
| 5370 | osmo-lab-rack                                | Feature | New    | Low      | component carrier USB hub  |          | 12/23/2021 06:30 PM |                                   |
| 5357 | OsmoGGSN (former OpenGGSN)                   | Bug     | New    | Normal   | no more than PDP_MAX == 1024 PDP contexts possible in libgtp   |          | 12/14/2021 01:20 PM | Related to #5469                  |
| 5356 | libosmo-abis                                 | Bug     | New    | Normal   | libosmo-abis: osmo_rtp_socket_connect() not calling connect() on sockets                                   |          | 12/13/2021 12:50 PM |                                   |
| 5352 | gr-osmosdr                                   | Bug     | New    | Normal   | ImportError: generic_type: type "sink" referenced unknown base type "gr::hier_block2"                      |          | 12/11/2021 08:19 AM |                                   |
| 5346 | libosmocore                                  | Bug     | New    | Low      | osmo-release.sh doesn't work with %{sover} macro in spec.in  | pespin   | 12/09/2021 12:03 PM |                                   |
| 5340 | OsmoMSC                                      | Bug     | New    | Normal   | ttn3-msc-test: more memory leaks   | fixeria  | 05/15/2022 04:47 PM |                                   |
| 5338 | OsmoBTS                                      | Bug     | New    | Normal   | LMSDevice.cpp:261 Power parameters requested before Tx Frequency was set! Providing band 900 by default... |          | 12/09/2021 11:42 PM |                                   |
| 5323 | Core testing infrastructure                  | Feature | New    | Normal   | Add docker image containing titan.core master  |          | 12/15/2021 04:43 PM | Related to #6187                  |
| 5321 | osmo-remsim                                  | Feature | New    | Low      | support SAP of u-blox AT+USAPMODE  |          | 11/22/2021 10:37 AM |                                   |

| #    | Project            | Tracker | Status | Priority | Subject   | Assignee  | Updated             | Related issues   |
|------|--------------------|---------|--------|----------|---|-----------|---------------------|------------------|
| 5320 | osmo-remsim        | Feature | New    | Low      | support SAP of Telit AT#RSEN  |           | 11/22/2021 10:38 AM |                  |
| 5313 | OsmoMGW            | Bug     | New    | Normal   | libosmo-mgcp-client-dbg specific package not generated for debian                           |           | 11/16/2021 03:57 PM |                  |
| 5310 | osmo-ccid-firmware | Bug     | New    | Normal   | sysmoOCTSIM does not re-enumerate after unplug/replug the USB cable when PSU is connected   |           | 11/15/2021 05:13 PM |                  |
| 5309 | OsmoPCU            | Bug     | New    | Normal   | osmo-pcu: Support rejecting multiple TBFs upon tx of Packet Access Reject                   | pespin    | 11/15/2021 06:29 PM |                  |
| 5307 | Ericsson RBS 6xxx  | Feature | New    | Normal   | Support for Multiple Sectors at an RBS site.  |           | 11/13/2021 08:20 PM |                  |
| 5305 | OsmocomBB          | Bug     | New    | Normal   | Burst capture   |           | 11/10/2021 06:38 PM |                  |
| 5304 | OsmoHNBGW          | Bug     | New    | Low      | Verizon CDMA femtocell  |           | 03/09/2024 07:09 PM |                  |
| 5300 | OsmoPCU            | Bug     | New    | Normal   | osmo-pcu: SUSPEND-NACK not implemented  |           | 03/31/2022 02:59 PM |                  |
| 5298 | gr-osmosdr         | Bug     | New    | Normal   | object has no attribute 'pyqwidget' on arch linux   |           | 11/09/2021 01:25 AM |                  |
| 5291 | rtl-sdr            | Feature | New    | Normal   | Ship the udev rules upstream  | steve-m   | 11/05/2021 11:04 AM |                  |
| 5283 | OsmoTRX            | Feature | New    | Normal   | Implement TRXDv2 support  | fixeria   | 10/27/2021 10:35 PM | Related to #5283 |
| 5279 | OsmoMGW            | Feature | New    | Normal   | systemd service / unit for multiple osmo-mgw on one machine                                 | osmith    | 10/25/2021 11:41 AM |                  |
| 5277 | libosmocore        | Bug     | New    | Normal   | ns2: Allow SNS-CONFIG PDUs from unknown endpoints during config procedure                   | lynxis    | 10/22/2021 02:28 PM |                  |
| 5268 | pySim              | Feature | New    | Normal   | pySim-shell: GlobalPlatform SCP02 support   | laforge   | 10/14/2021 07:12 PM | Related to #5268 |
| 5267 | pySim              | Feature | New    | Normal   | pySim-shell: Ability to deactivate entire applications on the card                          |           | 10/14/2021 07:12 PM | Related to #5268 |
| 5257 | OsmoBTS            | Bug     | New    | High     | support random padding in SACCH downlink messages   |           | 10/12/2021 11:18 AM | Related to #5257 |
| 5256 | OsmoBTS            | Feature | New    | High     | support for random padding in LAPDm downlink messages                                       |           | 10/12/2021 11:17 AM | Related to #5256 |
| 5247 | Osmocom Analog     | Bug     | New    | Normal   | AMPS Segmentation fault   | jolly     | 10/04/2021 11:48 PM |                  |
| 5246 | OsmoBSC            | Bug     | New    | Low      | sigsegv in bts_count_free_ts()  | keith     | 10/03/2021 08:08 PM | Related to #5324 |
| 5235 | pySim              | Feature | New    | Low      | import / export as eUICC profile package ASN.1  |           | 06/09/2023 04:55 PM |                  |
| 5229 | libosmocore        | Bug     | New    | Low      | SNS Size with max_nsvcs = 1 results in a valid config even 2 binds a configured             | lynxis    | 09/05/2021 08:18 PM |                  |
| 5228 | OsmoTRX            | Feature | New    | Low      | osmo-trx: Missing unit tests for computeCI() and computeEdgeCI()                            | Hoernchen | 11/07/2022 06:23 PM |                  |
| 5227 | OsmoPCU            | Bug     | New    | Normal   | osmo-pcu: Attempt recovery of TBF when one of its assigned PDCH TS becomes disabled         | pespin    | 10/18/2021 10:12 AM |                  |
| 5220 | rtl-sdr            | Bug     | New    | Normal   | Undefined reference to libusb_dev_mem_free  | steve-m   | 08/31/2021 09:21 AM |                  |
| 5218 | gr-osmosdr         | Bug     | New    | Normal   | compilation fails: "no matching function for call to fcd_source_c::connect"                 |           | 09/05/2021 10:58 PM |                  |
| 5212 | OsmoPCU            | Bug     | New    | Low      | apparently T3193 is by default not set to its defined default value                         | pespin    | 11/15/2021 07:13 PM |                  |
| 5202 | OsmocomBB          | Bug     | New    | Normal   | [Assert failed rc >= 0  1ctl.c:83] cell_log crashes (mostly) when monitoring specific ARFCN |           | 07/25/2021 01:38 PM |                  |
| 5197 | OsmoMSC            | Bug     | New    | Normal   | m_sc_i Unimplemented msg type: HANDOVER PERFORMED   | neels     | 08/23/2022 04:05 PM |                  |

| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee  | Updated             | Related issues                    |
|------|---------------------------------|---------|--------|----------|--|-----------|---------------------|-----------------------------------|
| 5196 | OsmoMSC                         | Bug     | New    | Normal   | Verify several "event not permitted" log lines in unit tests                               | neels     | 08/23/2022 04:08 PM |                                   |
| 5190 | OsmoBSC                         | Bug     | New    | Low      | segfault with osmo-e1d   |           | 09/15/2021 09:34 AM |                                   |
| 5188 | Cellular Network Infrastructure | Bug     | New    | Normal   | BSSMAP Cell Identifier IE vs. Cell Identifier List IE: difference in allowed cell id types | neels     | 08/23/2022 04:24 PM |                                   |
| 5183 | OsmoHLR                         | Feature | New    | Low      | EIR functionality  |           | 06/16/2021 06:22 AM | Related to #5183                  |
| 5179 | libosmocore                     | Bug     | New    | Normal   | gprs_ns2: use refcounting for the NSE  | lynxis    | 06/13/2021 03:08 AM |                                   |
| 5178 | OsmoTRX                         | Bug     | New    | Normal   | LimeNET Micro clock error  | Hoernchen | 09/15/2021 09:42 AM |                                   |
| 5177 | osmo-sip-connector              | Bug     | New    | Normal   | respect dynamic RTP payload types of external SIP  | neels     | 08/23/2022 04:26 PM | Related to #5177,Related to #5177 |
| 5167 | Osmocom Analog                  | Feature | New    | Low      | LimeNet Micro  |           | 04/02/2023 08:57 AM |                                   |
| 5156 | OsmoBSC                         | Feature | New    | Low      | Support intraBSC handover between distinct BTS types                                       |           | 11/04/2021 06:27 PM |                                   |
| 5154 | OsmoSGSN                        | Bug     | New    | Normal   | OsmoSGSN doesn't trigger 3G paging if downlink GTP traffic arrives after long break        |           | 05/13/2021 12:28 PM | Related to #5154                  |
| 5149 | OsmoPCU                         | Bug     | New    | Low      | osmo-pcu fails to allocate all DL-TBF possible slots under specific scenario               | pespin    | 09/15/2021 09:49 AM |                                   |
| 5144 | gr-osmosdr                      | Bug     | New    | High     | Support multiple Airspy devices  | horiz0n   | 10/21/2023 07:22 PM |                                   |
| 5143 | Osmocom Analog                  | Feature | New    | Low      | Using ADALM PLUTO SDR with osmocom-analog  | jolly     | 05/05/2021 05:01 PM |                                   |
| 5128 | Core testing infrastructure     | Feature | New    | Low      | dec_RlcmacDICTriBlock: Get rid of annoying warning about remaining padding                 |           | 12/09/2021 09:14 PM |                                   |
| 5127 | pySim                           | Feature | New    | Normal   | tool for "re-formatting" [sysmocom] cards in tester  | laforge   | 10/14/2021 07:16 PM | Related to #5127                  |
| 5122 | OsmoPCU                         | Feature | New    | Normal   | Choose SBA allocation offset based on AGCH queue load in the BTS                           | pespin    | 04/20/2021 12:51 PM | Related to #5122                  |
| 5120 | rtl-sdr                         | Bug     | New    | Normal   | rtlsdr_demod_write_reg failed with -9  |           | 04/18/2021 08:55 PM |                                   |
| 5117 | OsmoSDR                         | Bug     | New    | Normal   | Error building gr-osmosdr with libhackrf   |           | 04/15/2021 07:56 AM |                                   |
| 5057 | OsmoMSC                         | Bug     | New    | High     | Can only send a maximum of 15 SMPP messages?   | Hoernchen | 09/15/2021 09:53 AM |                                   |
| 5050 | OsmoTRX                         | Bug     | New    | Normal   | How can I solve limesdr mini clock problem with osmocom ?                                  |           | 02/27/2021 01:55 PM |                                   |
| 5047 | OsmoSDR                         | Feature | New    | Normal   | Inconsistencies between SDR's in bias-tee parameter  |           | 12/19/2021 01:17 PM |                                   |
| 5045 | Cellular Network Infrastructure | Feature | New    | Normal   | write libversion "major" on build files automatically based on LIBVERSION                  | pespin    | 02/24/2021 01:14 PM |                                   |
| 5044 | OsmoMGW                         | Bug     | New    | Low      | potential null pointer dereferences  | pespin    | 02/24/2021 11:48 AM |                                   |
| 5035 | libosmocore                     | Bug     | New    | Low      | ns2: add a vty to drop a sns connection  |           | 03/29/2021 09:16 PM |                                   |
| 5031 | OsmoSDR                         | Bug     | New    | Normal   | Please switch to gr-funcube  |           | 06/17/2021 09:23 AM |                                   |
| 5029 | libosmocore                     | Bug     | New    | Normal   | vtty: optional cases with multiple arguments is undefined behaviour                        |           | 02/18/2021 05:44 PM |                                   |
| 5025 | OsmoBTS                         | Feature | New    | Normal   | Missing TTCN-3 coverage for the Timing Advance loop  | fixeria   | 07/02/2021 04:28 PM |                                   |

| #    | Project                                  | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|--|---------|--------|----------|--|----------|---------------------|-----------------------------------|
| 5016 | libosmocore                              | Bug     | New    | Low      | ns2: what happens when a dynamic NSE is present, but the user tries to configure it via vty                              | lynxis   | 03/29/2021 09:17 PM |                                   |
| 5015 | libosmocore                              | Bug     | New    | Low      | ns2: add consistency check for ns configuration as callback  |          | 03/29/2021 09:17 PM |                                   |
| 5013 | Cellular Network Infrastructure          | Feature | New    | Low      | investigate "vtysh" for Osmocom  |          | 02/06/2021 02:14 PM | Related to #5013                  |
| 5012 | osmo-uecup                               | Feature | New    | Low      | use osmo-uecup from GGSN_Tests.ttcn  | pespin   | 02/06/2021 10:02 AM | Related to #5012                  |
| 5011 | Core testing infrastructure              | Bug     | New    | Normal   | Warning about unrecognized escape sequence in Osmocom_CTRL_Types   |          | 02/05/2021 11:21 AM |                                   |
| 5008 | gr-osmosdr                               | Bug     | New    | Normal   | Quoted whitespace parsing problem in source_impl::source_impl  |          | 02/04/2021 02:16 AM |                                   |
| 5002 | M.2 (NGFF) WWAN modem USB breakout board | Feature | New    | Normal   | Ensure current return paths via M.2 connector are sufficient   | mschramm | 03/23/2021 06:48 PM |                                   |
| 4993 | libosmocore                              | Bug     | New    | Low      | gsm_septets2octets: warning: use of NULL 'rdata' where non-null expected [CWE-690] [-Wanalyzer-null-argument]            | fixeria  | 01/29/2021 08:49 PM |                                   |
| 4990 | OsmoBSC                                  | Feature | New    | Low      | TTCN3 test for AMR MultiRate IEs in RR and RSL   |          | 07/02/2021 04:34 PM |                                   |
| 4989 | OsmoBTS                                  | Feature | New    | Low      | AMR RATSCCH support  |          | 01/28/2021 01:41 PM |                                   |
| 4988 | OsmoBTS                                  | Feature | New    | Low      | No TTCN3 test for AMR TFO / DL CMR handling  |          | 01/28/2021 01:38 PM |                                   |
| 4987 | OsmoBTS                                  | Feature | New    | Low      | No TTCN3 test for AMR DTX FSMs   |          | 01/28/2021 01:37 PM | Related to #5474                  |
| 4986 | OsmoBTS                                  | Feature | New    | Low      | No TTCN3 tests of AMR rate/link adaptation   |          | 01/28/2021 01:36 PM |                                   |
| 4985 | OsmoBTS                                  | Bug     | New    | Normal   | AMR RTP CMR of downlink frames not used to influence CMC   |          | 01/28/2021 01:35 PM |                                   |
| 4983 | OsmoMSC                                  | Feature | New    | Low      | PERFORM LOCATION REQUEST / RESPONSE  |          | 01/28/2021 11:44 AM |                                   |
| 4982 | OsmoMSC                                  | Feature | New    | Low      | Support for BSSMAP RESOURCE INDICATION   |          | 01/27/2021 03:01 PM | Related to #4982                  |
| 4981 | OsmoBSC                                  | Feature | New    | Low      | Support for generating BSSMAP RESOURCE INDICATION  |          | 01/27/2021 03:02 PM | Related to #4982                  |
| 4980 | OsmoMSC                                  | Feature | New    | Low      | Implement routing of BSSMAP LOAD INDICATION in OsmoMSC   |          | 01/27/2021 02:43 PM | Related to #4980,Related to #4980 |
| 4979 | OsmoBSC                                  | Feature | New    | Low      | Support for parsing incoming BSSMAP LOAD INDICATION  |          | 01/27/2021 02:41 PM | Related to #4979,Related to #4980 |
| 4978 | OsmoBSC                                  | Feature | New    | Low      | Support for generating BSSMAP LOAD INDICATION  |          | 01/27/2021 02:40 PM | Related to #4979,Related to #4980 |
| 4972 | OsmoMSC                                  | Bug     | New    | Normal   | manual: the MNCC protocol is outdated (RTP)  |          | 01/24/2021 05:58 PM |                                   |
| 4971 | Osmocom Analog                           | Feature | New    | Low      | OsmoCC Socket Documentation  | jolly    | 10/18/2023 02:49 PM |                                   |
| 4967 | OsmoPCU                                  | Feature | New    | Normal   | osmo-pcu: Avoid sending new DL EGPRS blocks to MS announcing MS_OUT_OF_MEMORY  |          | 01/21/2021 02:26 PM |                                   |
| 4966 | OsmoPCU                                  | Bug     | New    | Normal   | osmo-pcu: gprs+egprs multiplex: Allow selecting original 8-PSK dl block during retransmission for GSMK-required DL block |          | 01/26/2021 01:07 PM | Related to #4966                  |



| #    | Project                                      | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                                     |
|------|--|---------|--------|----------|--|----------|---------------------|--|
| 4961 | osmo-gbproxy                                 | Feature | New    | Normal   | gbproxy support for "network sharing" via MOCN   |          | 01/20/2021 08:38 PM |  |
| 4950 | gr-osmosdr                                   | Bug     | New    | Normal   | gr-osmosdr doesn't find iqbalance during build   |          | 02/22/2021 02:46 AM |  |
| 4944 | OsmoCBC                                      | Feature | New    | Low      | 3G SABP support in OsmoCBC   | laforge  | 01/13/2021 09:13 AM | Related to #4944,Related to #4944                  |
| 4942 | gr-osmosdr                                   | Bug     | New    | Normal   | XTRX: Unable to compile due to error   | RFNOD    | 01/12/2021 08:29 PM |  |
| 4933 | OsmoHNBGW                                    | Bug     | New    | Low      | Femtocell choice in U.K 2021/01  |          | 03/09/2024 07:09 PM |  |
| 4930 | OsmoBSC                                      | Bug     | New    | Normal   | bsc: cbc: vty: "no remote-ip" in cbc > client  |          | 12/31/2020 10:42 PM |  |
| 4926 | OsmoHNBGW                                    | Bug     | New    | Normal   | nano3G disconnect / reconnect cycle with SCTP multi-homing                                     |          | 01/04/2021 11:38 AM | Related to #4926                                   |
| 4925 | libosmo-sccp + libosmo-sigtran               | Bug     | New    | Normal   | SCTP multihoming / ABORT between osmo-msc and osmo-stp   |          | 01/04/2021 11:32 AM | Related to #4926                                   |
| 4915 | osmo-e1d                                     | Feature | New    | Low      | consider a one-thread-per-line architecture  |          | 07/29/2023 07:31 AM |  |
| 4910 | E1/T1 Hardware Interface (including icE1usb) | Feature | New    | Low      | Automatically set the A / alarm bits in Tx if no signal on Rx                                  | tnt      | 04/29/2024 09:30 AM | Related to #5381                                   |
| 4908 | libosmocore                                  | Bug     | New    | Normal   | Errors compiling with -std=c++14   |          | 03/01/2021 03:38 PM |  |
| 4900 | OsmoGSMTester                                | Feature | New    | Low      | hardware and wiring verification / selftest  |          | 12/08/2020 11:03 AM |  |
| 4897 | osmo-gbproxy                                 | Bug     | New    | Normal   | gbproxy2: Re-introduce handling of NS_AFF_CAUSE_FAILURE  | daniel   | 03/10/2021 02:49 PM | Related to #4897,Related to #4952,Related to #5040 |
| 4893 | osmo-gbproxy                                 | Feature | New    | Low      | gbproxy2: Make feature bitmap configurable   |          | 12/08/2020 07:55 AM | Related to #4893                                   |
| 4886 | OsmoSGSN                                     | Bug     | New    | Normal   | UE does not connect data when moving from 2G->3G   |          | 12/04/2020 01:29 AM |  |
| 4885 | libosmocore                                  | Bug     | New    | Normal   | configure doesn't check for python3  |          | 12/02/2020 03:36 AM |  |
| 4884 | OsmoBSC                                      | Bug     | New    | Normal   | RLL_REL_IND is recieved after RF_CHAN_REL  |          | 12/02/2020 11:51 AM |  |
| 4883 | Cellular Network Infrastructure              | Bug     | New    | Normal   | update OsmoNITB migration guide  | neels    | 12/01/2020 08:32 AM |  |
| 4882 | OsmoHNBGW                                    | Feature | New    | Low      | HSPA+ Picocell available in U.S  |          | 03/09/2024 07:08 PM |  |
| 4869 | OsmoPCU                                      | Bug     | New    | Normal   | wireshark: Support dissecting LLC frames on top of RLCMAC (E)GPRS data blocks                  |          | 06/26/2023 11:03 AM | Related to #5367                                   |
| 4863 | OsmoMSC                                      | Bug     | New    | Low      | T3212 is unclear in config/vty   |          | 11/19/2020 06:10 PM |  |
| 4860 | libosmo-abis                                 | Feature | New    | Low      | Implement separation of line/TEI/datalinks in E1 pcap  |          | 11/04/2021 06:31 PM |  |
| 4858 | OsmoBSC                                      | Bug     | New    | Normal   | handover CHANnel ACTIVation: BSC sends timing advance for lchan activation in a different cell |          | 11/10/2020 05:41 PM |  |
| 4847 | OsmoPCU                                      | Bug     | New    | Normal   | fix LLC-DISCARD behaviour  |          | 11/04/2020 02:37 AM | Related to #4847                                   |
| 4846 | OsmoPCU                                      | Feature | New    | Normal   | change RBB received block bitmap into 1s when everything was acked                             |          | 11/04/2020 02:29 AM |  |

| #    | Project                     | Tracker | Status | Priority | Subject   | Assignee  | Updated             | Related issues   |
|------|-----------------------------|---------|--------|----------|---|-----------|---------------------|------------------|
| 4840 | Core testing infrastructure | Feature | New    | Low      | migrate osmo-gsm-tester docker images to registry.osmocom.org                               | pespin    | 11/02/2020 05:13 PM | Related to #4840 |
| 4834 | OsmocomBB                   | Bug     | New    | Normal   | package cp210x-program as part of network:osmocom:{nightly,latest}                          | osmith    | 10/26/2020 06:01 PM |                  |
| 4827 | OsmoBTS                     | Bug     | New    | Normal   | OsmoBTS VTY is lacking various vital information  |           | 10/23/2020 07:14 PM |                  |
| 4825 | OsmoSGSN                    | Bug     | New    | Normal   | security command is missing sometimes   |           | 10/22/2020 02:40 AM |                  |
| 4814 | osmo-clock-gen              | Bug     | New    | Low      | alignment of DC barrel with face plate  | mschramm  | 10/16/2020 05:30 PM | Related to #4814 |
| 4813 | OsmoPCU                     | Feature | New    | Low      | FANR (Fast ACK/NACK Reporting) support  |           | 10/16/2020 08:46 AM |                  |
| 4812 | OsmoPCU                     | Feature | New    | Low      | RTTI (Reduced Transmission Time Interval) Support   |           | 10/16/2020 08:43 AM |                  |
| 4810 | osmo-clock-conv             | Feature | New    | Normal   | horizontal DC input on rear side of PCB   | mschramm  | 10/15/2020 10:53 PM |                  |
| 4809 | osmo-clock-conv             | Feature | New    | Low      | alignment of DC barrel with face plate  | laforge   | 10/16/2020 05:29 PM | Related to #4814 |
| 4808 | OsmoGSMTester               | Feature | New    | Low      | osmo-gsm-tester: Add test setup to verify baseband frequency hopping                        | pespin    | 03/31/2023 03:25 PM |                  |
| 4806 | osmo-ccid-firmware          | Feature | New    | Low      | Add support of T=1?   |           | 10/15/2020 03:40 PM |                  |
| 4790 | OsmoHNBGW                   | Feature | New    | Low      | Vodafone HSPA+ femtocell available in Deutschland   |           | 03/09/2024 07:08 PM |                  |
| 4784 | OsmoMSC                     | Bug     | New    | Normal   | wrong cause code (resources unavailable) in MO-to-MT call without response                  | neels     | 10/08/2020 02:35 PM |                  |
| 4783 | libosmocore                 | Bug     | New    | Low      | doxygen: duplicate 'ports.h' warning  |           | 10/07/2020 01:29 PM |                  |
| 4781 | osmo-qcdiag                 | Bug     | New    | High     | get hoernchen/gsmtap branch merged  | Hoernchen | 10/06/2020 03:18 PM |                  |
| 4777 | osmo-ccid-firmware          | Bug     | New    | Normal   | Reader does not answer to GET DATA RATES command  | Hoernchen | 10/14/2020 02:36 PM |                  |
| 4776 | osmo-ccid-firmware          | Bug     | New    | Normal   | Reader does not answer to GET CLOCK FREQUENCIES command                                     | Hoernchen | 10/03/2020 07:31 PM |                  |
| 4768 | OsmoBSC                     | Bug     | New    | Normal   | pcu interface: add missing field ts, trx on rach indication                                 | lynxis    | 09/30/2020 08:10 PM |                  |
| 4767 | OsmoBSC                     | Bug     | New    | Normal   | pcu interface: add suspend request support  |           | 09/29/2020 04:40 PM |                  |
| 4766 | OsmoBSC                     | Bug     | New    | Normal   | pcu interface: add app info request   |           | 09/26/2020 10:21 PM |                  |
| 4764 | OsmoMSC                     | Bug     | New    | Normal   | make sure Assignment times out, always  |           | 09/23/2020 02:08 PM |                  |
| 4762 | osmo-sip-connector          | Feature | New    | Low      | Osmo Analog Support   |           | 09/25/2020 07:31 AM | Related to #4763 |
| 4758 | rtl-sdr                     | Bug     | New    | Normal   | rtl_tcp no longer works on macos 10.15 via macports   | steve-m   | 04/30/2023 11:59 AM |                  |
| 4749 | OsmoGGSN (former OpenGGSN)  | Bug     | New    | Normal   | Unknown/Unimplemented PCO Protocol  |           | 02/09/2022 01:26 PM |                  |
| 4746 | libosmocore                 | Bug     | New    | Normal   | gb: NS2: implement a NSE based logfilter  |           | 11/14/2020 08:42 AM |                  |
| 4745 | OsmoMGW                     | Bug     | New    | Low      | osmo-mgw: Wrong IP address returned in SDP "o=" section                                     |           | 10/05/2022 11:00 AM |                  |
| 4737 | Distributed GSM             | Support | New    | Low      | How to configure Queries gsup.hlr.123456789.imsi, sip.voice.123.msisdn, smpp.sms.123.msisdn |           | 08/31/2020 11:10 AM |                  |
| 4720 | rtl-sdr                     | Bug     | New    | Normal   | rtl_power reports invalid values  |           | 08/19/2020 02:47 PM |                  |
| 4717 | OsmoMSC                     | Feature | New    | Normal   | support Handover with changing codec  |           | 08/18/2020 05:14 PM | Related to #4717 |

| #    | Project                        | Tracker | Status | Priority | Subject  | Assignee  | Updated             | Related issues                    |
|------|--------------------------------|---------|--------|----------|--|-----------|---------------------|-----------------------------------|
| 4705 | Distributed GSM                | Bug     | New    | Normal   | osmo-hlr user manual: explain the mslookup domain suffix "mdns.osmocom.org", it has no mention in the user manual                        |           | 08/13/2020 12:54 AM |                                   |
| 4691 | OsmoMSC                        | Bug     | New    | Low      | setfault in osmo_sockaddr_str_is_set() via call_leg_ensure_ci()  |           | 02/06/2021 09:47 AM |                                   |
| 4685 | SDR (Software Defined Radio)   | Bug     | New    | Normal   | Can't compile libusrp  |           | 08/04/2020 08:52 AM |                                   |
| 4683 | OsmoBSC                        | Bug     | New    | Normal   | properly report OM2000 bring-up problems   | laforge   | 07/30/2020 06:50 AM | Related to #4683,Related to #6378 |
| 4682 | OsmoBSC                        | Feature | New    | Low      | OM2000 MCTR Support for Ericsson RBS6000 / DUG 20  |           | 07/30/2020 06:51 AM | Precedes #4682                    |
| 4678 | osmo-clock-gen                 | Feature | New    | Low      | Increase mounting hole size to support M3 screws   | mschramm  | 07/25/2020 08:43 PM |                                   |
| 4677 | SDR (Software Defined Radio)   | Bug     | New    | Normal   | fopher crash on OSX with Qt  |           | 07/27/2020 03:27 AM |                                   |
| 4660 | OsmoMSC                        | Bug     | New    | Normal   | GSM AUTH failure: mismatching sres - with module TRM-5 ext   |           | 07/12/2020 08:01 PM |                                   |
| 4653 | SDR (Software Defined Radio)   | Bug     | New    | Normal   | cannot import name 'fosphor'   |           | 07/07/2020 02:39 AM |                                   |
| 4650 | OsmoBSC                        | Feature | New    | Normal   | Add BIG FAT error message in case OM2000 BTS fail to start up  | laforge   | 07/04/2020 07:30 PM |                                   |
| 4649 | OsmoBSC                        | Bug     | New    | Low      | OM2K SI5ter: abis_rsl.c:1237 (bts=0,trx=0) ERROR REPORT (cause=Service or Option not available [ 3f ])                                   | laforge   | 07/04/2020 07:13 PM |                                   |
| 4647 | OsmoBSC                        | Bug     | New    | Low      | Getting attributes from BTS0 type nokia_site is not supported.   |           | 07/04/2020 09:05 AM |                                   |
| 4645 | OsmoBSC                        | Bug     | New    | Normal   | OM2K: "Sequence Error" due to too early initialization of RSL during BTS start   | laforge   | 07/04/2020 07:24 PM |                                   |
| 4642 | OsmoNITB                       | Bug     | New    | Low      | Attempting to set illegal id for FSM instance of type 'OM2000-MO'  |           | 07/03/2020 06:40 PM |                                   |
| 4640 | OsmoBSC                        | Feature | New    | Low      | SI2quater: support multiple EUTRAN Neighbor Cells List entries, not only multiple EUTRAN Cell Descriptions in the first Cells List entry |           | 07/06/2020 03:03 PM |                                   |
| 4638 | Altair LTE Modems              | Feature | New    | Normal   | Mikrotik R11e-4G mtd dump  |           | 06/13/2021 10:15 AM |                                   |
| 4637 | OsmoTRX                        | Bug     | New    | Normal   | limesdr usb gain setting changes break gsm phasenoise constraints  |           | 06/29/2020 04:43 PM |                                   |
| 4635 | libosmo-sccp + libosmo-sigtran | Feature | New    | Normal   | quirks when initializing SS7 ASP   |           | 06/25/2020 04:46 PM | Related to #4635                  |
| 4634 | OsmoMSC                        | Feature | New    | Low      | lu: record SAC, and show RNC ID and SAC in the vty upon 'show subscriber'  |           | 06/24/2020 06:08 PM |                                   |
| 4633 | OsmoMSC                        | Feature | New    | Normal   | update the Cell ID in the VLR after an inter-BSC / inter-MSC handover  |           | 06/24/2020 12:40 PM |                                   |
| 4632 | OsmoMSC                        | Feature | New    | Normal   | update the cell id in the VLR when receiving BSSMAP HANDOVER PERFORMED from the BSC  |           | 06/24/2020 12:35 PM | Related to #4632                  |
| 4631 | OsmoSGSN                       | Bug     | New    | Low      | packet/byte counters don't work for 3G   |           | 06/24/2020 06:58 AM |                                   |
| 4630 | OsmoBTS                        | Bug     | New    | Low      | osmo-bts: GSMTAP DL (tx) messages use hardcoded signal level 0   |           | 10/05/2022 09:11 AM |                                   |
| 4622 | OsmoTRX                        | Bug     | New    | High     | Lots of "dumping STALE burst in TRX->SDR interface" messages in osmo-trx after osmo-bts-trx proper restart                               | Hoernchen | 07/06/2020 11:57 AM |                                   |

| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|---------------------------------|---------|--------|----------|--|----------|---------------------|--|
| 4621 | OsmoBSC                         | Support | New    | Normal   | feedback: osmo-bsc modifies the LAI in LU Accept messages, and the MM info data                    | neels    | 02/06/2021 09:50 AM |  |
| 4612 | OsmoMSC                         | Support | New    | Normal   | test handover on non-voice call conn (no CC transaction present)                                   |          | 06/14/2020 12:21 PM |  |
| 4608 | libosmo-sccp + libosmo-sigtran  | Feature | New    | Low      | "action" commands to interactively shutdown/re-enable/restart sigtran connections                  | laforge  | 06/10/2020 01:12 PM |  |
| 4605 | OsmoSGSN                        | Bug     | New    | High     | GMM_ATTACH_REQ_FSM: Event E_AUTH_RESP_RECV_SUCCESS not permitted                                   | lynxis   | 06/13/2020 06:16 PM | Related to #4605   |
| 4604 | OsmoSGSN                        | Bug     | New    | Normal   | Lots of "Unusual event"  | lynxis   | 06/13/2020 06:19 PM | Related to #4604, Related to #4604, Related to #4604, Related to #4604 |
| 4599 | OsmoSGSN                        | Bug     | New    | Normal   | counter group sgsn:pdptx already exists for index X, instead using Y                               |          | 09/09/2020 10:05 AM | Related to #4604   |
| 4596 | OsmocomTETRA                    | Feature | New    | Normal   | Port to GR3.8  |          | 01/08/2021 05:23 PM |  |
| 4593 | OP25                            | Support | New    | Normal   | Link to samples on the wiki is dead  | matt     | 06/07/2020 06:53 PM |  |
| 4591 | libosmocore                     | Feature | New    | Normal   | Export FSM states and statistics with counters   |          | 03/24/2021 12:34 PM |  |
| 4590 | libosmocore                     | Feature | New    | Normal   | Export talloc data as counters for better memory leakage monitoring in production                  |          | 09/12/2022 03:53 PM |  |
| 4589 | OsmoBSC                         | Bug     | New    | Normal   | osmo-bsc crashes with "lchan allocation failed in state WAIT_RF_RELEASE_ACK: Timeout"              |          | 06/06/2020 10:40 PM |  |
| 4588 | OsmoHLR                         | Feature | New    | Low      | OsmoHLR doesn't appear to have any statistics / counters   |          | 06/06/2020 09:44 AM |  |
| 4587 | Cellular Network Infrastructure | Feature | New    | Low      | Add port numbers to /etc/services during installation  |          | 06/08/2020 10:28 AM | Related to #5013   |
| 4581 | OsmocomBB                       | Support | New    | Normal   | compiler error assert.h no such file   |          | 06/05/2020 09:54 AM |  |
| 4580 | SDR (Software Defined Radio)    | Feature | New    | Normal   | gr-osmosdr compilation under GnuRadio 3.9.0  |          | 06/04/2020 01:13 AM |  |
| 4579 | OsmoBTS                         | Bug     | New    | Normal   | add IPv6 support   |          | 02/12/2021 12:26 PM |  |
| 4578 | Cellular Network Infrastructure | Bug     | New    | High     | Updated slides / presentations / videos on setting up Osmocom CNI                                  | laforge  | 02/13/2021 05:35 PM |  |
| 4574 | OsmoHNBGW                       | Feature | New    | Low      | Femtocell choice in 2020/06  |          | 03/09/2024 07:09 PM |  |
| 4565 | OsmoHLR                         | Bug     | New    | Normal   | TTCN-3 testsuite: mDNS_UDP: maximum number of open file descriptors is greater than FD_SETSIZE     | fixeria  | 06/17/2020 09:28 AM |  |
| 4560 | OsmoBSC                         | Bug     | New    | Normal   | inter-BSC HO: target cell fails when there is no TCH, only dynamic TCH/F_PDCH timeslots            | neels    | 05/20/2020 09:00 PM |  |
| 4557 | OsmoMSC                         | Bug     | New    | Normal   | normal BSSMAP Clear Command from MSC contains cause == 0 meaning "Radio interface message failure" |          | 05/20/2020 07:17 PM |  |
| 4554 | OsmoMGW                         | Bug     | New    | Normal   | Clean up stale endpoints after OsmoBSC crash   |          | 05/16/2020 08:52 PM |  |
| 4553 | OsmoBSC                         | Bug     | New    | Normal   | OsmoBSC doesn't handle RESET IP RESOURCE BSSMAP message  |          | 05/16/2020 07:44 PM |  |

| #    | Project                    | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                     |
|------|----------------------------|---------|--------|----------|--|----------|---------------------|------------------------------------|
| 4552 | OsmoMGW                    | Bug     | New    | Normal   | ip-probing issue with BTS connection - no rebinding to a correct IP address                          |          | 05/14/2020 11:18 PM |                                    |
| 4551 | OsmoMGW                    | Feature | New    | Normal   | Dynamic/runtime allocation of new endpoints  |          | 05/14/2020 10:56 PM |                                    |
| 4541 | OsmoBSC                    | Feature | New    | Normal   | add ttcn3 tests for situations of Abis latency spikes, where chan act/deact ACK messages arrive late |          | 11/20/2023 05:03 PM | Related to #4541, Related to #6375 |
| 4538 | OsmoBSC                    | Bug     | New    | Normal   | timeslot_fsm.c: make the PDCH act/deact timeout configurable   |          | 05/09/2020 08:20 PM | Related to #4539                   |
| 4536 | OsmoBSC                    | Feature | New    | Normal   | Multi BTS support within a single physical device  |          | 06/21/2020 01:10 PM |                                    |
| 4525 | Cellular Modem Information | Feature | New    | Normal   | MTK  |          | 05/03/2020 03:57 PM | Is duplicate of #4525              |
| 4521 | osmo-gbproxy               | Feature | New    | Normal   | gbproxy: Redundancy between NS-VCs (SGSN Side)   | laforge  | 01/19/2021 05:24 PM | Related to #4959                   |
| 4513 | rtl-sdr                    | Bug     | New    | Normal   | PKG information broken   |          | 04/26/2020 03:21 PM |                                    |

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