

## Issues

| #    | Project                               | Tracker | Status      | Priority | Subject   | Assignee  | Updated             | Related issues                    |
|------|---------------------------------------|---------|-------------|----------|---|-----------|---------------------|-----------------------------------|
| 4653 | SDR (Software Defined Radio)          | Bug     | New         | Normal   | cannot import name 'fosphor'  |           | 07/07/2020 02:39 AM |                                   |
| 4814 | osmo-clock-gen                        | Bug     | New         | Low      | alignment of DC barrel with face plate  | mschramm  | 10/16/2020 05:30 PM | Related to #4814                  |
| 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 |                                   |
| 4447 | OsmoMGW                               | Bug     | New         | Normal   | DSCP value should be a 6 bit field  | osmith    | 03/09/2020 04:50 PM | Related to #4447                  |
| 4961 | osmo-gbproxy                          | Feature | New         | Normal   | gbproxy support for "network sharing" via MOCN  |           | 01/20/2021 08:38 PM |                                   |
| 5483 | Open Source IMS Client                | Feature | New         | Normal   | SIM card interface for strongswan   |           | 03/07/2022 03:19 PM |                                   |
| 5395 | OsmocomDECT                           | Feature | New         | Normal   | Support for LMX3161   |           | 01/09/2022 12:55 PM |                                   |
| 5153 | OsmoHNBGW                             | Feature | In Progress | Normal   | support hnbgw co-located GTP-U proxy (UPF)  | neels     | 11/15/2022 09:54 AM | Related to #5154,Related to #5153 |
| 5396 | OsmocomDECT                           | Bug     | New         | High     | TcpDump/WireShark will not build with libpcap(dect)   |           | 01/09/2022 12:57 PM |                                   |
| 4857 | osmo-clock-gen                        | Bug     | Stalled     | Normal   | FLV9001IDBVR no longer in stock ag digikey  | mschramm  | 04/10/2021 10:22 PM |                                   |
| 6233 | libosmocore                           | Bug     | Feedback    | Normal   | --enable-embedded build fails if pkg-config can't find some of the (disabled) dependencies                          | Hoernchen | 11/24/2023 04:15 PM |                                   |
| 4265 | libosmocore                           | Bug     | New         | Normal   | --enable-embedded doesn't work as expected  |           | 11/12/2019 11:18 AM |                                   |
| 5918 | osmo-fl2k                             | Bug     | New         | Normal   | -flto broken in release   | steve-m   | 12/20/2023 08:43 PM |                                   |
| 1462 | OsmocomBB                             | Bug     | New         | High     | ././src/utls.c:182:7: error: only weak aliases are supported in this configuration                                  |           | 02/21/2016 04:48 PM |                                   |
| 4700 | libosmocore                           | Bug     | Feedback    | Normal   | 'socket' C test fails when there is no IPv6   | neels     | 03/24/2021 12:33 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 |                                   |
| 4614 | OsmoBSC                               | Bug     | Stalled     | Low      | "bogus channel load sample" when using BS-11, Nokia or Ericsson BTS   | laforge   | 02/13/2021 05:34 PM |                                   |
| 6197 | OsmoSGSN                              | Bug     | Feedback    | Low      | "Cannot handle SM for unknown MM CTX"   | fixeria   | 03/10/2024 06:23 PM |                                   |
| 5422 | SIMtrace 2                            | Feature | In Progress | Normal   | "cardem" continuous testing setup   | laforge   | 01/27/2022 12:22 PM | Related to #5422                  |
| 4367 | rtl-sdr                               | Support | New         | Normal   | "Communications Toolbox Support Package for RTL-SDR Radio" from "Mathworks Matlab" appears to be with broken links? | steve-m   | 01/21/2020 08:52 PM |                                   |
| 6092 | pySim                                 | Feature | New         | Low      | "export" suport for ARA-M   | dexter    | 10/31/2023 06:40 PM |                                   |
| 6207 | OsmoMSC                               | Bug     | Feedback    | Low      | "MO SMS without prior CM Service Request" for every SMS in 4G   | dexter    | 02/13/2024 12:26 AM | Related to #6358                  |
| 4464 | libosmo-abis                          | Bug     | In Progress | Normal   | "osmo_rtp_socket_poll(): ERROR!" messages during normal osmo-bts usage  | laforge   | 02/06/2021 02:27 PM | Related to #4467                  |
| 6019 | OsmoBSC                               | Bug     | New         | Normal   | "PCU version PCU socket has LOST connection connected"  | fixeria   | 10/18/2023 05:42 PM |                                   |

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|------|--|---------|----------|----------|--|-----------|---------------------|--|
| 4468 | OsmoTRX  | Bug     | Feedback | Normal   | "RSSI offset" default of 0 is not useful   | Hoernchen | 10/14/2020 02:40 PM | Related to #4468,Related to #4468,Related to #4583 |
| 6382 | Linux Kernel GTP-U                                     | Bug     | Feedback | Normal   | "TC_pdp6_act_deact_gtpu_access" fails with kernel gtp-u                                    |           | 03/05/2024 04:06 PM |  |
| 5423 | SIMtrace 2   | Bug     | New      | Low      | "trace" firmware continuous test setup   |           | 01/27/2022 12:24 PM |  |
| 6431 | OsmoHNBGW  | Bug     | New      | Normal   | (coverity) uninitialized asn.1 state / overwriting asn.1 state in HNBAP                    | neels     | 04/04/2024 11:08 PM |  |
| 5202 | OsmocomBB  | Bug     | New      | Normal   | [Assert failed rc >= 0  ctl.c:83] cell_log crashes (mostly) when monitoring specific ARFCN |           | 07/25/2021 01:38 PM |  |
| 4098 | gr-osmosdr   | Bug     | New      | Normal   | [BladeRF micro] Arguments set in osmocom Sink and Source are not passed to libbladerf      | horiz0n   | 07/18/2019 05:35 AM |  |
| 5388 | OsmocomDECT  | Bug     | New      | Low      | {MM-INFO-SUGGEST} message not sent with ext bit set to 0                                   |           | 01/09/2022 12:28 PM |  |
| 2675 | OsmoBTS  | Bug     | New      | Low      | /usr/bin/lc15bts-mgr can't find GPS 3D fix to for calibration                              | pespin    | 02/13/2018 03:34 PM |  |
| 1744 | OsmoBTS  | Bug     | New      | Low      | 1-way voice between sysmobts and nanobts if DTX is enabled                                 |           | 07/18/2019 06:08 AM | Related to #1562                                   |
| 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 |  |
| 4944 | OsmoCBC  | Feature | New      | Low      | 3G SABP support in OsmoCBC   | laforge   | 01/13/2021 09:13 AM | Related to #4944,Related to #4944                  |
| 4153 | OsmoMGW  | Bug     | New      | Normal   | 3G voice broken with ALu 9361 femto  |           | 04/25/2022 05:43 PM |  |
| 5833 | OsmoPCU  | Feature | New      | Low      | A "meas-feed" for osmo-pcu   | keith     | 12/18/2022 06:42 PM |  |
| 5448 | gr-osmosdr   | Bug     | New      | Low      | a bug related to gqrx using gr-osmosdr for sdrplay rsp1 through soapy(?)                   |           | 02/09/2022 02:56 AM |  |
| 2851 | OsmoMSC  | Bug     | Stalled  | Normal   | a_iface.c:534 Unhandled SIGTRAN primitive: 3:2   |           | 07/18/2019 05:45 AM |  |
| 5242 | OsmoBTS  | Bug     | Stalled  | Normal   | A-bis/RSL: CRCX ACK indicates '0.0.0.0' as the local/bind address                          | fixeria   | 05/01/2022 01:15 PM |  |
| 1480 | Mobile (in)Security                                    | Bug     | New      | High     | A5/3 is not deployed in GSM networks   |           | 02/21/2016 04:34 PM |  |
| 4249 | osmo-remsim  | Feature | New      | Normal   | ability to explicitly provision an "empty SIM card slot" to a modem                        | laforge   | 09/08/2021 07:48 PM | Related to #5216                                   |
| 5526 | OCTOI - Osmocom Community TDM over IP                  | Feature | New      | Low      | ability to generate GSMTAP traces from osmo-e1d  |           | 07/29/2023 07:23 AM |  |
| 5839 | OsmoGSMTester  | Feature | New      | Normal   | Ability to switch off the osmo-trx machine   | pespin    | 12/20/2022 05:43 PM |  |
| 3737 | OsmoBSC  | Bug     | New      | Low      | abort because unused lchan has non-null conn pointer, after AMR config error               |           | 05/08/2019 03:35 PM |  |
| 5372 | osmo-lab-rack  | Feature | New      | Low      | AC power supply  |           | 12/23/2021 06:33 PM |  |

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| 1526 | OsmoPCU                         | Feature | Stalled  | Normal   | Acquire/update timing advance (TA)  | fixeria  | 03/25/2021 12:04 PM | Related to #1545,Related to #1531,Related to #1524,Related to #3472,Related to #2977 |
| 2160 | OP25                            | Feature | New      | High     | Add "datascope" to usrp_p25_rx.py   |          | 04/22/2017 04:16 PM |  |
| 2913 | OsmocomBB                       | Feature | New      | Low      | Add a tool that decodes Cell Broadcasts (SMSCB)                                       |          | 09/29/2018 09:31 AM | Related to #3564   |
| 3477 | Cellular Network Infrastructure | Feature | New      | Low      | add a wiki page explaining interconnection between components across several machines | osmith   | 12/01/2019 09:29 AM |  |
| 2615 | OsmoGSMTester                   | Bug     | New      | Normal   | Add API to check GPS lock in BTS  |          | 11/03/2017 05:00 PM |  |
| 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 |  |
| 1946 | OsmoBSC                         | Feature | New      | Low      | Add checks to the BSC VTY to prevent configurations known to not work                 |          | 10/20/2020 08:40 AM | Related to #1614   |
| 3019 | OsmoHLR                         | Feature | New      | Low      | add config for number of auth tuples returned   |          | 06/23/2018 06:58 PM |  |
| 1624 | OsmoPCU                         | Bug     | New      | Normal   | add CRBB support to write_packet_ack_nack_desc_egprs                                  |          | 10/20/2020 08:37 AM |  |
| 5323 | Core testing infrastructure     | Feature | New      | Normal   | Add docker image containing titan.core master   |          | 12/15/2021 04:43 PM | Related to #6187   |
| 2409 | OsmocomBB                       | Feature | Stalled  | High     | Add GPRS support to virt_phy and L1CTL  | fixeria  | 08/19/2022 03:06 PM |  |
| 6398 | pySim                           | Bug     | New      | Normal   | Add helper for SwMatchError   |          | 03/09/2024 09:34 PM |  |
| 4579 | OsmoBTS                         | Bug     | New      | Normal   | add IPv6 support  |          | 02/12/2021 12:26 PM |  |
| 5662 | OsmoUPF                         | Feature | New      | Normal   | add Linux kernel options to manual  |          | 08/24/2022 03:13 PM |  |
| 4727 | libosmocore                     | Feature | Feedback | Normal   | Add more distro/platform/archs to jenkins CI  | laforge  | 05/15/2023 09:48 AM | Is duplicate of #4789  |
| 2698 | OsmoMSC                         | Bug     | New      | Low      | Add more tests to jenkins job testing osmo-msc against NG40tester                     |          | 01/08/2020 10:17 PM | Related to #2477   |
| 3038 | multi-voltage USB UART          | Feature | New      | Normal   | Add mounting holes?   |          | 03/07/2018 02:12 AM |  |
| 6132 | OsmocomBB                       | Feature | New      | Normal   | Add MS_GPRS_Tests to osmo-ttcn3-hacks   | fixeria  | 10/04/2023 10:29 PM | Related to #6132   |
| 2391 | OsmoMSC                         | Feature | New      | Low      | add osmocom specific TLVs to A-interface for BTS/TS and subscriber details            |          | 10/02/2018 03:40 PM |  |
| 4587 | Cellular Network Infrastructure | Feature | New      | Low      | Add port numbers to /etc/services during installation                                 |          | 06/08/2020 10:28 AM | Related to #5013   |
| 3711 | SIMtrace 2                      | Feature | New      | Normal   | Add screw holes for permanent installations   | mschramm | 11/01/2023 08:28 PM |  |
| 2451 | Cellular Network Infrastructure | Feature | New      | Low      | Add static builds to jenkins jobs   | osmith   | 09/30/2018 08:18 AM |  |
| 6231 | OsmoTRX                         | Feature | New      | Normal   | add support / calibration values for AntSDR E200                                      | roh      | 10/21/2023 03:25 PM |  |

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| 6396 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | Feedback    | Normal   | add support for auth failure with resync   | lynxis   | 03/11/2024 10:19 AM |   |
| 6096 | OsmoGGSN (former OpenGGSN)                     | Feature | In Progress | Urgent   | add support for kernel-GTP IPv6  | osmith   | 03/25/2024 12:10 PM | Related to #6096,Related to #6106,Related to #6096,Blocks #6096 |
| 2166 | OP25   | Feature | New         | High     | Add support for Max's I/Q 455khz downconverter   |          | 04/22/2017 04:15 PM |   |
| 1555 | OsmoPCU  | Feature | New         | Low      | Add support for unacknowledged RLC Mode  |          | 01/22/2020 02:59 PM |   |
| 2707 | OsmoGSMTester                                  | Feature | New         | Normal   | Add support for verifying content of log files after test is run                                     |          | 12/04/2017 05:05 PM |   |
| 4128 | OsmoHNBGW                                      | Feature | New         | Low      | Add support of Huawei hNodeB protocol  |          | 07/24/2019 03:39 PM |   |
| 4806 | osmo-ccid-firmware                             | Feature | New         | Low      | Add support of T=1?  |          | 10/15/2020 03:40 PM |   |
| 2271 | OsmoGSMTester                                  | Feature | New         | Low      | add test names to pick to the -s cmdline option  |          | 05/18/2017 12:32 PM |   |
| 2946 | OsmoGGSN (former OpenGGSN)                     | Feature | New         | Low      | Add test suite for sgsnemu   | pespin   | 11/21/2019 05:03 PM |   |
| 2399 | OsmoGSMTester                                  | Feature | New         | Normal   | add tests for graceful restart of individual components  |          | 07/25/2017 12:02 AM |   |
| 4275 | OsmoSTP  | Feature | New         | Low      | Add TTCN3 STP_Tests_IPA.TC_tmt_broadcast   | pespin   | 12/01/2019 11:04 AM |   |
| 4541 | OsmoBSC  | Feature | New         | Normal   | add ttcn3 tests for situations of Abis latency spikes, where chan act/deact ACK messages arrive late |          | 11/20/2023 05:03 PM | Related to #4541,Related to #6375                               |
| 1463 | SIMtrace 2                                     | Feature | New         | Low      | Add VCC current sensing circuit for SPA & DPA attacks  | laforge  | 08/27/2018 07:05 AM | Related to #1706  |
| 1908 | osmo-qcdiag                                    | Feature | New         | Normal   | add VTY interface to osmo-qcdiag   | laforge  | 01/12/2017 01:15 PM |   |
| 1983 | rtl-sdr  | Support | New         | Normal   | Add welle.io and rtl_fm_streamer to rtl-sdr app list   |          | 06/03/2018 12:24 PM |   |
| 4174 | osmo-fl2k                                      | Bug     | New         | Normal   | After the latest commits, the fl2k tools do not exit on first SIGINT                                 |          | 08/25/2019 04:57 PM |   |
| 1458 | OsmocomBB                                      | Bug     | New         | High     | AGC broken (strong cell cannot be synced)  | tnt      | 07/18/2019 06:10 AM | Related to #3582  |
| 1857 | OsmoBSC  | Feature | New         | Normal   | aggregate and report OML ALERT messages received from BTSs   |          | 12/10/2017 08:16 PM | Related to #1615,Related to #1605                               |
| 5813 | OsmoHNBGW                                      | Feature | New         | Low      | Alcatel-Lucent femtocells available in Europe  |          | 03/09/2024 07:09 PM |   |
| 4809 | osmo-clock-conv                                | Feature | New         | Low      | alignment of DC barrel with face plate   | laforge  | 10/16/2020 05:29 PM | Related to #4814  |
| 3644 | OsmoHLR  | Feature | New         | Normal   | allow arbitrary bytes in Global Title (GT), a.k.a. the VLR,SGSN's identification towards the HLR     | neels    | 12/01/2019 10:02 AM | Related to #3644,Related to #3644                               |
| 6000 | OsmoMSC  | Feature | New         | Normal   | Allow emergency calls without IMSI (using IMEI as MI)  |          | 04/12/2023 11:03 AM | Related to #6000  |
| 4014 | OsmoBTS  | Feature | New         | Low      | Allow multiple [virtual] BTS instances on same [SDR] hardware that supports multiple TRX             |          | 05/21/2019 12:07 PM |   |
| 3470 | OsmoMSC  | Feature | New         | Low      | Allow sending "Emergency Number List IE" in LU ACCEPT  |          | 09/01/2018 08:18 PM | Related to #3470  |

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|------|---------------------------------|---------|-------------|----------|---|----------|---------------------|-----------------------|
| 2612 | OsmoGSMTester                   | Feature | New         | Low      | Allow skipping pcaps by configuration if access to tcpdump is not wanted  |          | 04/06/2020 11:25 AM |                       |
| 2798 | linmodem                        | Feature | New         | Normal   | ALSA Soundcard Support  |          | 01/01/2018 12:02 PM |                       |
| 4455 | OP25                            | Feature | New         | Normal   | AMBE CODEC  |          | 03/28/2020 09:53 PM |                       |
| 5247 | Osmocom Analog                  | Bug     | New         | Normal   | AMPS Segmentation fault   | jolly    | 10/04/2021 11:48 PM |                       |
| 5726 | OsmoMGW                         | Bug     | New         | Normal   | AMR octet-align in SDP: lack of 'octet-align' fmtpt should imply octet-align=0, and the presence or absence of this fmtpt should not have an effect |          | 12/12/2023 01:51 AM | Is duplicate of #5726 |
| 4989 | OsmoBTS                         | Feature | New         | Low      | AMR RATSCCH support   |          | 01/28/2021 01:41 PM |                       |
| 4985 | OsmoBTS                         | Bug     | New         | Normal   | AMR RTP CMR of downlink frames not used to influence CMC  |          | 01/28/2021 01:35 PM |                       |
| 5212 | OsmoPCU                         | Bug     | New         | Low      | apparently T3193 is by default not set to its defined default value   | pespin   | 11/15/2021 07:13 PM |                       |
| 4479 | IMSI Pseudonymization           | Feature | New         | Normal   | Applet: change IMSI after receiving SMS   |          | 04/16/2020 08:45 AM |                       |
| 4486 | IMSI Pseudonymization           | Feature | New         | Normal   | Applet: gracefully handle case where timer is set twice   |          | 04/16/2020 08:45 AM |                       |
| 4417 | IMSI Pseudonymization           | Bug     | New         | Normal   | Applet: LU counter should only increase on successful location update   |          | 04/16/2020 08:45 AM | Related to #4478      |
| 4478 | IMSI Pseudonymization           | Feature | New         | Normal   | Applet: proper warning after too many LU with same IMSI   |          | 04/16/2020 08:45 AM | Related to #4478      |
| 4481 | IMSI Pseudonymization           | Feature | New         | Low      | Applet: test various REFRESH qualifiers to possibly shorten the time for changing the IMSI  |          | 04/16/2020 08:45 AM |                       |
| 4480 | IMSI Pseudonymization           | Bug     | New         | Normal   | Applet/OsmoMSC: fix or workaround for OsmoMSC only paging attached MS   |          | 04/16/2020 08:45 AM | Related to #4480      |
| 5809 | Cellular Network Infrastructure | Bug     | Feedback    | Normal   | applications disrespect potentially VTY-configured tcp/telnet port  | osmith   | 10/31/2023 09:34 AM |                       |
| 3458 | OsmocomBB SDR PHY               | Bug     | Stalled     | Normal   | apps/grgsm_trx: [ERROR] [STREAMER] recv packet demuxer unexpected sid 0xXX  |          | 07/09/2023 07:48 PM | Related to #3692      |
| 3459 | OsmocomBB SDR PHY               | Bug     | Stalled     | Normal   | apps/grgsm_trx: AssertionError: packe t_info.packet_count == (seq_to_ack & 0xffff)  |          | 07/09/2023 07:48 PM |                       |
| 6119 | pySim                           | Bug     | In Progress | Normal   | aram_get_config runs into an exception on a sysmocomSJA2  | laforge  | 12/05/2023 05:26 PM |                       |
| 4274 | OsmoSTP                         | Bug     | New         | Normal   | AS Name isn't displayed   |          | 03/14/2024 10:33 AM |                       |
| 2916 | OsmoMSC                         | Bug     | New         | Normal   | asan failure on debian unstable in msc_vlr_test_gsm_ciph  |          | 02/09/2018 04:20 PM |                       |
| 2690 | OsmocomBB                       | Bug     | New         | Normal   | ASAN issue on shutdown/no shutdown SYSINFO access   |          | 11/29/2017 09:33 AM |                       |
| 5938 | Retrocomputing                  | Feature | In Progress | Normal   | assemble "fake parallel printer"  | laforge  | 09/13/2023 09:32 AM |                       |
| 5939 | Retrocomputing                  | Bug     | In Progress | Low      | Assemble GraphicGremlin / isavideo  | laforge  | 03/15/2023 09:06 AM |                       |
| 5932 | Retrocomputing                  | Feature | New         | Low      | assemble ISA-USB  | laforge  | 03/02/2023 09:25 PM |                       |
| 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 |                       |
| 5947 | Retrocomputing                  | Feature | New         | Low      | Assemble PC104-SVGA   | laforge  | 03/15/2023 09:29 AM |                       |

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| 5934 | Retrocomputing                        | Feature | In Progress | Low      | Assemble Pico-GUS  | laforge   | 03/06/2023 04:25 PM |  |
| 5933 | Retrocomputing                        | Feature | In Progress | Low      | Assemble XT-CF-Lite v4.1   | laforge   | 03/20/2023 09:54 AM |  |
| 1530 | OsmoPCU                               | Feature | New         | Low      | Assign same TFI number in downlink/uplink  |           | 01/26/2020 08:50 AM |  |
| 3787 | OsmoBSC                               | Bug     | New         | Low      | Assignment Request modifies conn->codec_list before the Assignment is successful |           | 01/08/2020 10:25 PM | Related to #3833   |
| 3786 | OsmoBSC                               | Bug     | New         | Low      | Assignment Request modifies conn->lcls state before the Assignment is successful |           | 01/08/2020 10:25 PM |  |
| 6322 | pySim                                 | Bug     | New         | Low      | ATR type annotation  |           | 01/03/2024 09:55 PM |  |
| 4642 | OsmoNITB                              | Bug     | New         | Low      | Attempting to set illegal id for FSM instance of type 'OM2000-MO'                |           | 07/03/2020 06:40 PM |  |
| 5429 | OCTOI - Osmocom Community TDM over IP | Feature | New         | Normal   | authentication in TDMoIP protocol  | laforge   | 11/07/2022 05:29 PM |  |
| 1837 | OsmoBTS                               | Feature | New         | Low      | autogenerate dtx_dl_amr_fsm.*  |           | 03/01/2018 11:17 PM |  |
| 5865 | OsmoHLR                               | Feature | New         | Low      | Automate selection of LU Reject Cause  |           | 02/16/2023 10:36 AM |  |
| 2893 | OsmoBSC                               | Feature | Stalled     | Low      | automatic simulator for large LU load  |           | 09/04/2019 09:23 AM | Related to #2722,Related to #2591,Blocks #2893,Blocks #2893                          |
| 6337 | OsmocomBB                             | Bug     | New         | High     | bad fr audio with gapk/ms-sdr  |           | 01/22/2024 09:21 PM | Related to #6337   |
| 5891 | osmo-remsim                           | Bug     | New         | Normal   | bankd: potential pthread deadlock reported by coverity                           | laforge   | 02/03/2023 07:35 PM |  |
| 6394 | OsmoUPF                               | Feature | Stalled     | Low      | Basic URR (Usage Reporting Rule) support for tunnel mapping                      |           | 03/22/2024 08:08 AM | Related to #6395   |
| 1990 | OsmocomBB                             | Bug     | Feedback    | Normal   | bb nand flash  | yangkkokk | 07/10/2017 10:22 PM |  |
| 6217 | OsmoMSC                               | Bug     | Feedback    | Normal   | Bearer Capability mismatch in MT SETUP   | neels     | 10/10/2023 10:17 PM |  |
| 6401 | libosmocore                           | Feature | New         | Low      | benchmark batching io_uring operations   |           | 03/14/2024 08:10 AM |  |
| 5694 | OCTOI - Osmocom Community TDM over IP | Bug     | Stalled     | Normal   | BERT testing   | laforge   | 12/31/2022 08:24 PM |  |
| 1614 | OsmoBSC                               | Bug     | Stalled     | Normal   | better identification of BTS model / capabilities to BSC                         |           | 05/12/2020 12:11 PM | Related to #1614,Related to #2316,Related to #2317,Related to #3799,Related to #3938 |
| 5632 | Core testing infrastructure           | Bug     | In Progress | Normal   | better test result summary / notifications                                       | lynxis    | 08/31/2022 11:58 AM |  |
| 5516 | OsmoTRX                               | Feature | In Progress | High     | BladeRF 2.0 Support  | Hoernchen | 02/14/2023 02:59 PM | Is duplicate of #2430  |

| #    | Project                               | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                                     |
|------|---------------------------------------|---------|-------------|----------|--|----------|---------------------|--|
| 5564 | OsmoMSC                               | Bug     | Stalled     | High     | blocking database I/O by SMS database  | laforge  | 05/16/2022 08:20 PM | Related to #5564,Related to #5566,Related to #5564 |
| 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                                   |
| 5758 | OsmoDia2GSUP                          | Feature | New         | Normal   | bring osmo_dia2gsup to production quality  | lynxis   | 03/30/2023 08:13 PM |  |
| 3831 | OsmoBSC                               | Feature | New         | Low      | BSC support for "network sharing" via MOCN   |          | 01/20/2021 10:03 AM | Related to #4473                                   |
| 5515 | OsmoBSC                               | Bug     | New         | Normal   | BSC_Tests: re-establishment: RA during CHAN RQD should reflect re-establishment                    |          | 04/06/2022 08:02 PM |  |
| 4930 | OsmoBSC                               | Bug     | New         | Normal   | bsc: cbc: vty: "no remote-ip" in cbc > client  |          | 12/31/2020 10:42 PM |  |
| 1600 | OsmoBSC                               | Feature | New         | Low      | BSC: Make SI / rest octests more configurable  |          | 12/10/2017 08:04 PM |  |
| 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 |  |
| 5843 | OsmoBSC                               | Bug     | New         | Normal   | BTS features aren't reset after oml drop   |          | 12/22/2022 09:27 PM |  |
| 4801 | OsmoBTS                               | Bug     | Stalled     | Normal   | BTS_Tests.TC_tch_sign_l2_fill_frame_dtxd fails   | fixeria  | 11/15/2023 08:32 AM | Related to #4801,Related to #5474                  |
| 3512 | gr-osmosdr                            | Support | New         | Normal   | Bug #3462 on Arch Linux; gr-osmosdr install fails  | horiz0n  | 01/26/2019 06:10 PM |  |
| 4504 | OsmoTRX                               | Feature | New         | Low      | Build LimeSuite without GUI in osmocom feeds   |          | 09/30/2020 08:08 PM |  |
| 3776 | OP25                                  | Bug     | New         | Normal   | Build fail using gcc version 7.3.0 Ubuntu 18.04.1 LTS  |          | 07/05/2019 07:12 PM |  |
| 6176 | OsmoSGSN                              | Bug     | New         | Low      | build failure (dependency / concurrency issue)   |          | 09/13/2023 03:14 PM |  |
| 5546 | OCTOI - Osmocom Community TDM over IP | Feature | New         | Normal   | build frame relay "hub" similar to ISDN "hub"  |          | 04/24/2022 03:03 PM |  |
| 3167 | Cellular Network Infrastructure       | Bug     | New         | Low      | Build osmo-* master docker containers with address sanitizer                                       | osmith   | 07/18/2019 05:22 AM | Related to #3167                                   |
| 2809 | Z-Netz                                | Bug     | New         | Normal   | Build ZConnect <-> UseNet gateway  |          | 01/01/2018 01:33 PM |  |
| 3229 | Cellular Network Infrastructure       | Feature | New         | Low      | build-system: jenkins.sh: Improve debian package generation test coverage during gerrit submission |          | 05/08/2019 02:36 PM | Related to #3228                                   |
| 3398 | GSM Audio Pocket Knife                | Bug     | New         | Low      | build: configure fails if (optional) libalsa wasn't found  | fixeria  | 12/01/2019 10:08 AM |  |
| 1916 | OsmocomBB                             | Bug     | New         | Normal   | building GNU ARM toolchain with gcc-4.8 fails on modern texinfo                                    |          | 10/16/2017 02:14 PM |  |
| 6152 | OsmoMSC                               | Bug     | In Progress | Normal   | built-in MNCC: forward the @Low layer compatibility I@ IE to the called subscriber                 | jolly    | 12/20/2023 12:52 PM | Related to #6152                                   |

| #    | Project                               | Tracker | Status      | Priority | Subject  | Assignee  | Updated             | Related issues                     |
|------|---------------------------------------|---------|-------------|----------|--|-----------|---------------------|------------------------------------|
| 5305 | OsmocomBB                             | Bug     | New         | Normal   | Burst capture  |           | 11/10/2021 06:38 PM |                                    |
| 3735 | OsmoMSC                               | Bug     | Stalled     | Normal   | call arriving during another call has no voice                                 | neels     | 06/18/2019 09:18 PM |                                    |
| 2884 | OsmoMSC                               | Bug     | New         | Low      | Call Control timers are very long and not configurable                         |           | 01/08/2020 10:56 PM |                                    |
| 25   | OsmoMSC                               | Feature | New         | Low      | Call HOLD / RETRIEVE support for internal MNCC                                 |           | 08/01/2019 03:06 PM |                                    |
| 5057 | OsmoMSC                               | Bug     | New         | High     | Can only send a maximum of 15 SMPP messages?                                   | Hoernchen | 09/15/2021 09:53 AM |                                    |
| 3663 | gr-osmosdr                            | Bug     | New         | Normal   | Can't compile gr-osmosdr on macOS Mojave                                       |           | 10/19/2018 02:37 PM |                                    |
| 4685 | SDR (Software Defined Radio)          | Bug     | New         | Normal   | Can't compile libusrp  |           | 08/04/2020 08:52 AM |                                    |
| 5403 | OsmoMSC                               | Feature | New         | Normal   | Can't connect Call from 2G to 4G network                                       | laforge   | 01/14/2022 10:41 PM |                                    |
| 4325 | gr-osmosdr                            | Bug     | New         | Normal   | can't open hackrf_sink with device index                                       |           | 12/13/2019 09:18 AM |                                    |
| 4491 | OsmoHLR                               | Bug     | New         | Low      | Cancel in old VLR/SGSN, if new VLR/SGSN differs from old                       |           | 04/15/2020 12:29 PM |                                    |
| 3855 | gr-osmosdr                            | Bug     | New         | Normal   | Cannot build gr-osmosdr with Gnuradio 3.8                                      | horiz0n   | 07/13/2020 10:05 PM |                                    |
| 3734 | gr-osmosdr                            | Bug     | New         | High     | Cannot compile gr-osmocom  |           | 12/16/2018 12:22 AM |                                    |
| 3882 | gr-osmosdr                            | Bug     | New         | Normal   | Cannot compile gr-osmosdr!   | horiz0n   | 07/18/2019 05:35 AM |                                    |
| 6372 | OsmocomBB SDR PHY                     | Bug     | New         | Normal   | Cant connect to BS using cell_log and mobile                                   |           | 02/22/2024 07:13 AM |                                    |
| 5419 | SIMtrace 2                            | Bug     | Stalled     | High     | cardem errors with higher baud rate  | laforge   | 11/07/2022 06:22 PM |                                    |
| 5464 | SIMtrace 2                            | Bug     | In Progress | Normal   | cardem firmware unable to attach to card                                       | laforge   | 11/18/2022 06:41 PM | Related to #5464                   |
| 5415 | SIMtrace 2                            | Bug     | New         | Normal   | cardem: watchdog triggers firmware reset                                       | lynxis    | 02/15/2022 08:07 PM |                                    |
| 1813 | Qualcomm Linux Modems by Quectel & Co | Bug     | New         | Normal   | cat /dev/snd/* causes kernel oops  |           | 09/30/2016 04:00 PM |                                    |
| 5721 | OsmoCBC                               | Feature | New         | Normal   | CBC messages Geographical Scope and CBS Index                                  |           | 10/19/2022 07:23 AM |                                    |
| 5585 | OsmoCBC                               | Bug     | New         | Low      | CBC should not send WRITE-REPLACE to cells that had sent FAILURE               |           | 08/05/2022 04:58 PM |                                    |
| 3568 | OsmoBTS                               | Bug     | Stalled     | High     | CBCH on SDCCH/8 not working for osmo-bts-sysmo                                 | laforge   | 01/14/2019 03:29 PM |                                    |
| 4196 | OsmoMSC                               | Feature | New         | Normal   | CC Setup, Call Confirmed: decode and use the Supported Codec List IE           |           | 09/25/2019 05:27 PM |                                    |
| 5171 | OsmocomBB                             | Bug     | Feedback    | Normal   | ccch_scan failed   | thor123   | 06/09/2021 12:06 AM |                                    |
| 1550 | OsmoPCU                               | Bug     | New         | Normal   | Cell reselection under network control   |           | 02/23/2016 03:06 PM |                                    |
| 5682 | OsmoUPF                               | Feature | New         | Low      | cfg: separate PFCP Node ID from PFCP local address                             |           | 09/17/2022 02:21 PM | Related to #5682                   |
| 5647 | OsmoHNBGW                             | Feature | New         | Normal   | cfg: separate PFCP Node ID from PFCP local address                             |           | 08/17/2022 03:38 PM | Related to #5648, Related to #5682 |
| 2933 | OsmoMSC                               | Bug     | New         | Low      | change of trans->bearer_cap (e.g. via MNCC) will not trigger BSSMAP ASSIGNMENT |           | 02/12/2018 11:36 AM | Related to #2854                   |



| #    | Project                               | Tracker | Status   | Priority | Subject  | Assignee   | Updated             | Related issues                                     |
|------|---------------------------------------|---------|----------|----------|--|------------|---------------------|--|
| 4846 | OsmoPCU                               | Feature | New      | Normal   | change RBB received block bitmap into 1s when everything was acked                                 |            | 11/04/2020 02:29 AM |  |
| 3988 | OsmoMSC                               | Feature | New      | Low      | change the remaining DEBUGP() statements to LOG_MSC_A() / LOG_MSC_A_CAT()                          |            | 05/08/2019 03:26 PM |  |
| 4008 | OsmoBTS                               | Bug     | Feedback | High     | Channel Activation starts SACCH too early in Asynchronous Handover                                 |            | 03/11/2022 12:47 PM | Related to #4008,Related to #4010,Related to #4009 |
| 4009 | OsmoBTS                               | Bug     | New      | Normal   | Channel Activation starts SACCH too early in Synchronous Handover                                  |            | 03/11/2022 12:44 PM | Related to #4009,Related to #4010,Related to #4009 |
| 2899 | OsmoBSC                               | Bug     | New      | Low      | channel attributes are sent to BTS even for NONE channels  | osmith     | 09/30/2018 10:42 AM |  |
| 6328 | OsmoBSC                               | Bug     | New      | Normal   | Channel Mode Modify fails to modify the RTP payload type number                                    |            | 01/12/2024 06:24 AM | Related to #6328                                   |
| 3443 | OsmoMGW                               | Bug     | New      | Low      | Check audio-payload options in osmo-mgw VTY  |            | 03/15/2020 08:43 AM |  |
| 1659 | OsmoBSC                               | Feature | New      | Low      | Check encoding of SI at time parameters are entered from VTY, not just at generation time          |            | 12/10/2017 08:06 PM |  |
| 1814 | Qualcomm Linux Modems by Quectel & Co | Feature | New      | Low      | check if qtools work   |            | 10/02/2016 04:08 AM |  |
| 5851 | OsmoSGSN                              | Bug     | New      | Normal   | check if rate ctr GMM_CTR_PKTS_UDATA_IN is correct increased in sgsn_gtp_data_req() func           |            | 01/10/2023 06:40 PM |  |
| 1911 | SIMtrace 2                            | Feature | New      | Normal   | check if we can have an enclosed version of simtrace v2  | tsaitgaist | 09/13/2018 12:40 PM |  |
| 5644 | Osmocom Libraries                     | Bug     | New      | Normal   | Check library pkg-config files for proper dependencies   |            | 08/10/2022 01:02 PM | Related to #5644                                   |
| 2504 | OsmoGSMTester                         | Support | New      | Normal   | check whether running osmo-* from docker images is feasible on osmo-gsm-tester                     |            | 04/06/2020 11:28 AM |  |
| 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                                   |
| 4867 | OsmoPCU                               | Bug     | Stalled  | Normal   | Cinterion BGS2T failing to attach (no Attach Complete ever sent)                                   | pespin     | 11/30/2020 09:48 AM |  |
| 2462 | OsmoBSC                               | Feature | New      | Low      | clarify lchan->encr.alg_id   |            | 08/24/2017 01:27 PM | Related to #2462                                   |
| 3738 | OsmoMSC                               | Feature | New      | Normal   | Clarify PS-part of struct vlr_subscr   |            | 12/19/2018 12:34 PM |  |
| 4554 | OsmoMGW                               | Bug     | New      | Normal   | Clean up stale endpoints after OsmoBSC crash   |            | 05/16/2020 08:52 PM |  |
| 2011 | Cellular Network Infrastructure       | Feature | New      | Low      | clean-up / merge IPA (and IPA CCM) code of libosmocore, libosmo-abis, libosmo-netif, openbsc, etc. |            | 12/07/2022 04:11 PM | Related to #4841                                   |
| 5908 | Cellular Network Infrastructure       | Feature | New      | Low      | Cleanup license information throughout the projects  |            | 02/16/2023 11:02 AM |  |
| 3622 | libosmo-abis                          | Bug     | New      | Normal   | Clear API mess in sign_link_up callback  | pespin     | 10/02/2018 07:34 PM |  |
| 3980 | OsmoMGW                               | Bug     | New      | Normal   | Clear Command before CRCX OK may leak MGW endpoint   |            | 05/06/2019 10:11 PM |  |
| 5628 | osmo-remsim                           | Bug     | New      | Low      | client-st2: error mesasges when mapping is removed   |            | 07/24/2022 07:14 AM |  |

| #    | Project                               | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|---------------------------------------|---------|-------------|----------|--|----------|---------------------|-----------------------------------|
| 1692 | OsmoBTS                               | Feature | New         | Low      | clock source monitoring  |          | 04/13/2016 09:49 AM |                                   |
| 1546 | OsmoPCU                               | Feature | New         | Low      | closed loop uplink power control   |          | 09/30/2020 08:05 PM |                                   |
| 4484 | gr-osmosdr                            | Bug     | New         | Normal   | CMakeFiles.txt   |          | 04/06/2020 05:19 PM |                                   |
| 6283 | OsmoHNBGW                             | Bug     | New         | Normal   | cnpool: hnbgw fails to extract Mobile Identity from some GMM Attach Request messages       |          | 12/04/2023 01:48 AM |                                   |
| 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 |                                   |
| 6196 | OsmoMGW                               | Bug     | New         | Normal   | Codec negotiation failure false positives  | dexter   | 12/07/2023 06:25 AM | Related to #6293                  |
| 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                  |
| 1671 | OsmoNITB                              | Bug     | Stalled     | Low      | Combined 850/1800 NITB not seen by Option Icon2 stick                                      |          | 03/05/2018 07:35 PM |                                   |
| 5218 | gr-osmosdr                            | Bug     | New         | Normal   | compilation fails: "no matching function for call to fcd_source_c::connect"                |          | 09/05/2021 10:58 PM |                                   |
| 4581 | OsmocomBB                             | Support | New         | Normal   | compiler error assert.h no such file   |          | 06/05/2020 09:54 AM |                                   |
| 4359 | gr-osmosdr                            | Bug     | New         | Normal   | Compiling from Git Bramcj gr3.8 fails  |          | 01/12/2020 05:08 PM |                                   |
| 1510 | UmTRX                                 | Feature | New         | High     | Complete UHD integration   | ipse     | 02/21/2016 04:47 PM |                                   |
| 5745 | osmo-lab-rack                         | Feature | In Progress | Low      | component carrier Ethernet switch  | laforge  | 02/03/2023 11:29 AM |                                   |
| 5370 | osmo-lab-rack                         | Feature | New         | Low      | component carrier USB hub  |          | 12/23/2021 06:30 PM |                                   |
| 5371 | osmo-lab-rack                         | Feature | New         | Low      | component carrier USB-UART   |          | 12/23/2021 06:31 PM |                                   |
| 6148 | OsmoDia2GSUP                          | Bug     | New         | Normal   | config file not installed not used by systemd service in debian                            | pespin   | 10/18/2023 03:21 PM |                                   |
| 1623 | OsmoSMSC                              | Feature | New         | Normal   | Configure delivery report for the SMPP delivery links                                      | zecke    | 02/24/2016 01:49 PM |                                   |
| 4885 | libosmocore                           | Bug     | New         | Normal   | configure doesn't check for python3  |          | 12/02/2020 03:36 AM |                                   |
| 5749 | Cellular Network Infrastructure       | Bug     | New         | Normal   | configure.ac: default CFLAGS, LT_INIT adds "-g -O2"  | fixeria  | 01/31/2023 08:12 PM |                                   |
| 5308 | OsmoBSC                               | Bug     | Stalled     | Normal   | confusion around mgw e1 line vs trunk dictionomy   | dexter   | 12/13/2021 03:52 PM |                                   |
| 3822 | OsmoMGW                               | Bug     | New         | Low      | conn mode "sendonly" behaves identically to "sendrecv"                                     |          | 03/04/2019 09:34 PM |                                   |
| 5982 | OsmoBSC                               | Bug     | Feedback    | Low      | conn->fi is NULL in gscon_bssmap_clear()   | neels    | 04/11/2023 02:25 PM |                                   |
| 4915 | osmo-e1d                              | Feature | New         | Low      | consider a one-thread-per-line architecture  |          | 07/29/2023 07:31 AM |                                   |
| 1576 | OsmoBTS                               | Feature | New         | Low      | consider using hLayer2 as a pointer storage  |          | 02/02/2017 04:11 PM | Related to #1755                  |
| 6402 | libosmocore                           | Feature | New         | Low      | consider using IORING_RECVSEND_POLL_FIRST for our socket-reads                             |          | 03/14/2024 08:21 AM |                                   |
| 5368 | libosmo-netif                         | Bug     | Feedback    | Low      | consider using SCTP_EVENT instead of SCTP_EVENTS   |          | 12/23/2021 09:09 AM | Related to #5368,Related to #5368 |
| 5462 | osmo-sip-connector                    | Bug     | New         | Normal   | Contact Header Missing - Way Forward?  |          | 02/21/2022 05:51 AM |                                   |

| #    | Project                         | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues  |
|------|---------------------------------|---------|-------------|----------|---|----------|---------------------|---|
| 5543 | Retronetworking                 | Feature | New         | Normal   | Contact manufacturers for leftover stock  |          | 06/27/2023 09:05 PM |   |
| 3931 | OsmoGSMTester                   | Support | New         | Normal   | Contact quectel to get info about modem updates (hopefully less crashes)  |          | 01/08/2020 10:56 PM | Related to #3931  |
| 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 |   |
| 1545 | OsmoPCU                         | Feature | Stalled     | Normal   | continuous timing advance loop using PTCCH  | fixeria  | 03/24/2020 09:49 PM | Related to #1545,Related to #4102,Related to #4500,Blocks #1545 |
| 5750 | Cellular Network Infrastructure | Bug     | New         | Normal   | contrib/jenkins.sh: build with -Wunused-macros and -Wundef  |          | 11/08/2022 08:07 PM |   |
| 1903 | OsmoPCU                         | Feature | New         | Low      | convert c++ -> c  |          | 03/23/2020 10:48 PM |   |
| 6303 | OsmoPCU                         | Feature | New         | Low      | Convert pcuif to TLV to make backwards compatibility more feasible  |          | 02/15/2024 09:23 PM |   |
| 4336 | OsmoMSC                         | Feature | New         | Normal   | Convert vlr_lu_fsm.c to use osmo_tdef (and drop vlr_timer())  |          | 01/02/2020 05:32 PM | Related to #4337  |
| 3521 | libosmocore                     | Feature | New         | Normal   | core/utlis: engineering notation helpers  | fixeria  | 09/04/2018 08:32 PM |   |
| 5446 | Cellular Network Infrastructure | Feature | New         | Normal   | correlate git version to ttcn3 tests  |          | 02/07/2022 09:40 PM | Related to #5446  |
| 2824 | gr-osmosdr                      | Bug     | New         | High     | Corrupted double-linked for Raspbian Stretch when running osmoccom_fft (and any other program using osmosdr.source                |          | 06/03/2018 12:08 PM |   |
| 3841 | OsmoBSC                         | Bug     | New         | Low      | cosmetic: tearing down the old lchan after inter-BSC handover always goes through RELEASE_AFTER_ERROR (instead of normal release) | neels    | 05/08/2019 05:43 PM |   |
| 4599 | OsmoSGSN                        | Bug     | New         | Normal   | counter group sgsn:pdpctx already exists for index X, instead using Y   |          | 09/09/2020 10:05 AM | Related to #4604  |
| 5887 | Cellular Network Infrastructure | Bug     | New         | Low      | coverity: build everything in docker container and add CI   | osmith   | 02/01/2023 10:25 AM |   |
| 3567 | Cellular Network Infrastructure | Bug     | New         | Low      | coverity: move the secret token out of \$HOME/osmo-ci/.../  | lynxis   | 07/18/2019 05:22 AM |   |
| 5466 | OsmocomBB                       | Feature | New         | Normal   | CP2102N evaluation for burst_ind baudrate   | laforge  | 02/22/2022 07:17 PM |   |
| 2814 | Z-Netz                          | Feature | New         | Normal   | Create + Document classic CrossPoint setup on DOS (dosemu)  |          | 01/01/2018 01:41 PM |   |
| 2813 | Z-Netz                          | Feature | New         | Normal   | Create + Document OpenXP setup on Linux   |          | 01/01/2018 01:41 PM |   |
| 2808 | Z-Netz                          | Bug     | New         | Normal   | Create + Document VM/emulation setup for running ZERBERUS   |          | 01/01/2018 01:09 PM |   |
| 3658 | Cellular Modem Information      | Feature | New         | Low      | Create a "osmoccom-bb-host-latest" docker container   |          | 12/01/2019 09:07 AM | Related to #3658  |
| 2158 | OP25                            | Feature | New         | High     | Create a shared library for decoding for WireShark and the decoder.   |          | 04/22/2017 04:16 PM |   |
| 2697 | osmo-qcdiag                     | Feature | New         | Normal   | Create and add debian packages for osmo-qcdiag to osmoccom debian repositories  |          | 11/30/2017 06:03 PM |   |
| 5488 | Retronetworking                 | Feature | In Progress | Low      | create DAHDI mirror sniffer   | laforge  | 11/07/2022 06:04 PM |   |

| #    | Project                                      | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|--|---------|-------------|----------|--|----------|---------------------|-----------------------------------|
| 2806 | UUCP and UseNet                              | Feature | New         | Low      | Create Dockerfile and/or ansible playbook for UseNet node                                    |          | 01/01/2018 01:04 PM |                                   |
| 5746 | Retronetworking                              | Feature | New         | Low      | Create H.221 decoder   |          | 11/07/2022 10:55 PM |                                   |
| 2805 | FidoNet                                      | Bug     | New         | Low      | Create reproducible / semi-automatic way to create FidoNet node on Linux                     |          | 07/18/2019 05:34 AM |                                   |
| 5484 | Open Source IMS Client                       | Feature | New         | Normal   | create setup for nested IPsec (doubango on top of StrongSWAN)                                |          | 03/07/2022 11:19 AM |                                   |
| 4365 | OsmoTRX                                      | Support | Stalled     | Normal   | Create testsuite to test osmo-bts-trx+osmo-trx under high channel load                       | dexter   | 09/03/2020 10:33 AM | Related to #4366                  |
| 4366 | OsmoTRX                                      | Bug     | New         | Normal   | Create testsuite to test osmo-bts-trx+osmo-trx under high channel load (w/ RACH correlation) | pespin   | 01/15/2020 01:59 PM | Related to #4366                  |
| 6167 | OsmoBTS                                      | Feature | New         | Low      | csd_v110: implement rate adaptation for TCH/F14.4  |          | 09/01/2023 11:58 AM | Related to #6167,Related to #6346 |
| 5735 | osmo-e1d                                     | Bug     | New         | Normal   | ctl client disconnect doesn't re-set timeslot state  |          | 05/23/2023 06:19 AM |                                   |
| 2688 | libosmocore                                  | Bug     | New         | Normal   | CTRL iface: make rate_ctr request parser more strict   |          | 03/24/2021 12:37 PM | Related to #4443                  |
| 4443 | libosmocore                                  | Bug     | New         | Normal   | CTRL interface blocks wildcard in rate_ctr   |          | 03/08/2020 01:06 PM | Related to #4443,Related to #4443 |
| 4053 | libosmocore                                  | Feature | New         | Low      | CTRL: Add CTRL cmd introspection to print documentation                                      |          | 01/08/2020 10:21 PM | Related to #4053,Related to #4443 |
| 3672 | Osmocom Analog                               | Feature | New         | Normal   | Custom announcement and tones  | jolly    | 02/01/2021 10:25 AM |                                   |
| 6434 | E1/T1 Hardware Interface (including icE1usb) | Support | New         | Normal   | D-channel do not recover after underrun  |          | 04/27/2024 09:03 PM |                                   |
| 2804 | linmodem                                     | Feature | New         | Low      | DAHDI interface  |          | 01/01/2018 12:27 PM |                                   |
| 6317 | pySim  | Bug     | Stalled     | Normal   | data driven tests for TLV decoders   | laforge  | 02/15/2024 09:21 PM |                                   |
| 1627 | OsmocomBB                                    | Support | Stalled     | Low      | DCS_8BIT and DCS_UCS2 encoding supprot   |          | 07/16/2018 06:53 PM |                                   |
| 4150 | OsmoMGW                                      | Feature | New         | Low      | dead code / If an MDCX omits SDP, all codec config might be cleared                          |          | 08/13/2019 11:01 PM |                                   |
| 4109 | Cellular Network Infrastructure              | Feature | New         | Low      | debian-repo-install-test: start a virtual MS and perform a LU                                | osmith   | 11/29/2019 10:39 AM | Related to #4109                  |
| 5128 | Core testing infrastructure                  | Feature | New         | Low      | dec_RlcmacDICtrlBlock: Get rid of annoying warning about remaining padding                   |          | 12/09/2021 09:14 PM |                                   |
| 6265 | pySim  | Feature | New         | Normal   | decode numeric SW in case of errors  | dexter   | 12/11/2023 01:01 PM |                                   |
| 6211 | pySim  | Feature | In Progress | Low      | decode security attributes _compact_ in human-readable way, like we decode EF.ARR            | dexter   | 12/15/2023 07:22 AM | Related to #6211                  |
| 4376 | Cellular Network Infrastructure              | Feature | New         | Normal   | Define distinct X timer numbers across all osmo programs                                     |          | 01/23/2020 09:21 PM |                                   |
| 6237 | Retronetworking                              | Feature | New         | Low      | Design + Build PCBA for NE555 based fake fan rpm sensor                                      | laforge  | 10/30/2023 01:38 AM |                                   |

| #    | Project                               | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|---------------------------------------|---------|-------------|----------|--|----------|---------------------|-----------------------------------|
| 3285 | OsmoPCU                               | Feature | New         | Normal   | design + implement tools to analyze inter-PCU cell changes   | daniel   | 02/06/2021 11:12 AM | Related to #3284                  |
| 4030 | OsmocomBB                             | Feature | In Progress | Normal   | design breakout board for GTM900-B   | mschramm | 01/05/2024 08:00 AM | Related to #4575,Related to #4610 |
| 5892 | SDR (Software Defined Radio)          | Feature | Stalled     | Low      | design/build ext clock input board for PlutoSDR Rev.B  | laforge  | 10/18/2023 05:23 PM |                                   |
| 3636 | OsmoMSC                               | Feature | New         | Normal   | detailed call statistics (with rate counters)  | osmith   | 10/08/2018 11:14 AM | Related to #3636                  |
| 4535 | OsmoMGW                               | Feature | In Progress | Low      | Develop "E1/Abis generator"  | laforge  | 01/02/2022 01:57 PM | Precedes #2547                    |
| 5760 | Core testing infrastructure           | Feature | Stalled     | Normal   | Develop TTCN-3 test suite for MME  | dexter   | 10/04/2023 01:51 PM |                                   |
| 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 |                                   |
| 5657 | OsmoDia2GSUP                          | Bug     | Feedback    | Normal   | dia2gsup not (re-)connecting to HLR if osmo-hlr is down  | lynxis   | 11/11/2023 06:20 PM |                                   |
| 5740 | OsmoBSC                               | Feature | New         | Low      | Disallow unworkable AMR modes.   | keith    | 11/08/2022 05:15 PM |                                   |
| 6129 | Miscellaneous Projects                | Bug     | New         | Normal   | Discourse: Setting a custom avatar via upload fails  |          | 08/02/2023 06:07 PM |                                   |
| 6281 | OCTOI - Osmocom Community TDM over IP | Bug     | New         | Normal   | divf yate: calls to wave playback or loopback never connect  |          | 12/04/2023 12:14 PM | Related to #6282                  |
| 6433 | OsmoHNBGW                             | Bug     | New         | Normal   | DLGLOBAL ERROR counter group 'hnb' already exists for index 0, instead using index 1. This is a software bug that needs fixing. (rate_ctr.c:221) |          | 04/04/2024 11:11 PM |                                   |
| 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 |                                   |
| 4844 | OsmoPCU                               | Bug     | Feedback    | Normal   | do not resent DL assignment on RACH  | lynxis   | 07/28/2023 02:44 PM |                                   |
| 1912 | SIMtrace 2                            | Feature | Stalled     | Low      | do proper re-layout of the board   | mschramm | 10/20/2020 08:39 AM | Related to #4118                  |
| 4427 | rtl-sdr                               | Bug     | New         | Normal   | docker + rtl_sdr issue   |          | 02/29/2020 01:16 PM |                                   |
| 5929 | Cellular Network Infrastructure       | Feature | In Progress | Normal   | document current (milestones of) nlnet funded projects; mention nlnet funding  | laforge  | 04/04/2023 10:05 AM |                                   |
| 4415 | OsmoGGSN (former OpenGGSN)            | Feature | New         | Normal   | Document in OsmoGGSN User Manual the IPv6 allocation process over GTP  |          | 02/25/2020 03:05 PM |                                   |
| 3628 | Cellular Network Infrastructure       | Feature | New         | Low      | document nanoBTS calibration procedure using ipaccess-config tool  | fixeria  | 02/06/2021 02:03 PM | Related to #3628                  |
| 3379 | SIMtrace 2                            | Bug     | Stalled     | High     | documentation on how to use SIMtrace2  | laforge  | 11/14/2022 05:31 PM | Related to #3379                  |
| 5521 | osmo-e1d                              | Bug     | New         | Low      | don't attempt OCTOI connection of no TDM data from driver (icE1usb)  |          | 04/10/2022 05:28 PM |                                   |
| 4771 | OsmoBTS                               | Bug     | Stalled     | High     | Don't log NOTICE messages on missing uplink bursts   | fixeria  | 11/16/2021 03:05 PM |                                   |

| #    | Project                                  | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|--|---------|-------------|----------|---|----------|---------------------|-----------------------------------|
| 1881 | OsmoSGSN                                 | Bug     | In Progress | Normal   | don't send PDP CTX DEACT ACK to MS when destroying PDP ctx indepent from MS requests          |          | 01/08/2020 10:49 PM |                                   |
| 1547 | OsmoPCU                                  | Feature | New         | Normal   | downlink power control on PDTCH   |          | 02/23/2016 03:04 PM |                                   |
| 4783 | libosmocore                              | Bug     | New         | Low      | doxygen: duplicate 'ports.h' warning  |          | 10/07/2020 01:29 PM |                                   |
| 2433 | OsmoNITB                                 | Bug     | New         | Low      | Drop MGCP_DUMMY_LOAD frames and use proper Osmux Dummy frames                                 | pespin   | 08/21/2017 02:23 PM |                                   |
| 5774 | OsmoBTS                                  | Bug     | Feedback    | Normal   | Drop pcu_sock conn if queue length grows up to a given threshold                              | jolly    | 12/17/2023 12:59 PM |                                   |
| 5685 | Cellular Network Infrastructure          | Bug     | Feedback    | Normal   | Dropping debian 10 (buster)   | osmith   | 04/04/2023 10:10 AM | Related to #5685,Related to #5685 |
| 1549 | OsmoPCU                                  | Feature | New         | Normal   | DRX support for GPRS  |          | 02/04/2017 08:11 AM | Related to #1942                  |
| 5944 | OsmoBTS                                  | Bug     | In Progress | Low      | DTXu + AMR on TCH/H appears to be not usable on osmo-bts-sysmo                                | keith    | 03/28/2023 03:56 PM |                                   |
| 5571 | Ericsson RBS 6xxx                        | Bug     | New         | High     | DUG can come up, but with Avail: "Power Off"  | dexter   | 11/08/2022 05:10 PM |                                   |
| 4268 | Distributed GSM                          | Bug     | In Progress | Normal   | duplicate SMS when SMPP handler sends back to the originating MSC                             | neels    | 06/08/2020 03:11 PM |                                   |
| 4551 | OsmoMGW                                  | Feature | New         | Normal   | Dynamic/runtime allocation of new endpoints   |          | 05/14/2020 10:56 PM |                                   |
| 5545 | Retronetworking                          | Feature | New         | Low      | E1 support for dynamips   |          | 04/24/2022 09:56 AM |                                   |
| 6386 | Core testing infrastructure              | Bug     | In Progress | Normal   | eclipse-titan 9.0.0 not building in debian unstable   | osmith   | 03/04/2024 02:10 PM |                                   |
| 1560 | OsmoPCU                                  | Feature | New         | High     | EDGE benchmarking / performance optimization / tuning   |          | 01/08/2020 10:31 PM |                                   |
| 4457 | libosmo-sccp + libosmo-sigtran           | Bug     | New         | Normal   | editing the SCCP address book (global-title) on a running instance may crash the application  |          | 03/17/2020 11:17 PM |                                   |
| 5550 | pySim                                    | Bug     | New         | Normal   | EF.ARR file decoding would need to be context dependent                                       | chrysn   | 06/24/2022 08:50 AM |                                   |
| 5183 | OsmoHLR                                  | Feature | New         | Low      | EIR functionality   |          | 06/16/2021 06:22 AM | Related to #5183                  |
| 4879 | OsmoPCU                                  | Bug     | Stalled     | High     | endless pdch.cpp:809 Got CS-N RLC block: R=0, SI=0, TFI=0, CPS=0, RSB=0, rc=264               | fixeria  | 07/28/2023 02:46 PM |                                   |
| 1716 | libosmocore                              | Feature | New         | Normal   | enhance unit test coverage  |          | 08/17/2016 03:57 PM | Related to #1987,Precedes #1717   |
| 1573 | OsmoBTS                                  | Feature | New         | Low      | ENHANCED MEASUREMENT REPORT   |          | 07/19/2021 04:13 PM |                                   |
| 3751 | OsmoBTS                                  | Support | New         | Normal   | Ensure BTS Tests.ttcn results of OC-2G resemble what we know/expect from osmo-bts-{sysmo,trx} |          | 12/01/2019 10:52 AM |                                   |
| 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 |                                   |
| 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 |                                   |

| #    | Project  | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|--|---------|-------------|----------|---|----------|---------------------|-----------------------------------|
| 6435 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Bug     | In Progress | Normal   | epdg: fix inter-UE traffic  | lynxis   | 04/08/2024 06:55 PM |                                   |
| 6378 | OsmoBSC  | Bug     | New         | Low      | Ericsson DUG 20 rejects SI2quarter  | keith    | 03/10/2024 06:38 PM | Related to #6378                  |
| 1823 | OsmoPCU  | Feature | Stalled     | Low      | Ericsson PCU TRAU frame encoding/decoding   |          | 09/04/2019 09:26 AM | Related to #5198                  |
| 5586 | OsmoBSC  | Feature | New         | Normal   | Ericsson RBS could recover Unlocked state without osmo-bsc restart                |          | 06/21/2022 10:23 PM | Related to #5983                  |
| 5117 | OsmoSDR  | Bug     | New         | Normal   | Error building gr-osmosdr with libhackrf  |          | 04/15/2021 07:56 AM |                                   |
| 3588 | rtl-sdr  | Bug     | New         | Normal   | Error Values Inconsistent   |          | 09/25/2018 12:47 PM |                                   |
| 5665 | Core testing infrastructure                    | Bug     | Stalled     | Normal   | ERROR: files left in build directory after distclean: ./tests/core                | fixeria  | 11/14/2023 12:39 PM | Related to #5665,Related to #5858 |
| 4908 | libosmocore                                    | Bug     | New         | Normal   | Errors compiling with -std=c++14  |          | 03/01/2021 03:38 PM |                                   |
| 2943 | OsmoMSC  | Bug     | New         | Normal   | Errors in MGCP do not propagate back to MNCC gsm_subscriber_conn state machine    |          | 09/04/2019 09:21 AM |                                   |
| 5855 | Retronetworking                                | Feature | New         | Normal   | Establishing a German non-profit for retronetworking                              | laforge  | 01/13/2023 11:59 AM |                                   |
| 4167 | OsmoMSC  | Bug     | Feedback    | Normal   | Event VLR_ULA_E_ID_IMEISV not permitted   | osmith   | 09/04/2019 08:13 PM |                                   |
| 6349 | Cellular Network Infrastructure                | Bug     | Feedback    | Normal   | example configs missing in release tarballs                                       | fixeria  | 01/29/2024 04:04 PM |                                   |
| 6340 | pySim  | Bug     | New         | Low      | exception when using osmo-smdpp with python 3.9                                   | laforge  | 02/15/2024 09:29 PM |                                   |
| 3155 | OsmoBTS  | Feature | Stalled     | High     | execute BTS_Tests.ttcn with real (C123) phone hardware in LTHW setup              | pespin   | 12/04/2020 07:30 PM | Related to #3353,Related to #3155 |
| 4356 | libosmo-sccp + libosmo-sigtran                 | Feature | New         | Low      | execute sccp_demo_user server+client against each other in some test suite        | pespin   | 01/10/2020 12:23 PM | Related to #4356                  |
| 3780 | OsmoBTS  | Bug     | New         | Low      | existing test suite doesn't catch wrong measurement processing                    | dexter   | 10/26/2020 09:56 PM |                                   |
| 3797 | rtl-sdr  | Bug     | New         | Normal   | Exits with "Bus error"  |          | 02/12/2019 02:28 PM |                                   |
| 3687 | OsmoMSC  | Feature | New         | Normal   | Expand "show bsc" command   |          | 11/11/2018 09:50 PM |                                   |
| 3779 | Cellular Network Infrastructure                | Feature | New         | Low      | explore providing a VM image with all of osmocom CNI and related tools installed  |          | 02/04/2019 09:52 AM |                                   |
| 5520 | osmo-e1d                                       | Feature | New         | Low      | exponential back-off on octoi client reconnect attempts                           |          | 07/29/2023 07:30 AM |                                   |
| 4591 | libosmocore                                    | Feature | New         | Normal   | Export FSM states and statistics with counters                                    |          | 03/24/2021 12:34 PM |                                   |
| 4590 | libosmocore                                    | Feature | New         | Normal   | Export talloc data as counters for better memory leakage monitoring in production |          | 09/12/2022 03:53 PM |                                   |
| 3240 | gr-osmosdr                                     | Bug     | New         | Normal   | Expose airspy gain setting in gr-osmosdr block                                    |          | 06/03/2018 12:08 PM |                                   |
| 5691 | libosmo-abis                                   | Feature | Stalled     | Normal   | Expose DAHDI statistics to prometheus   | laforge  | 01/05/2023 06:06 PM |                                   |
| 5503 | OsmocomBB                                      | Feature | Feedback    | Normal   | expose GPRS user plane via tun device   | pespin   | 08/28/2023 10:38 PM | Related to #6115                  |
| 3886 | osmo-remsim                                    | Feature | New         | Normal   | expose ICCID or even IMSI of all cards on remsim-server                           | laforge  | 05/08/2019 03:31 PM | Precedes #3886                    |

| #    | Project  | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues  |
|------|--|---------|-------------|----------|---|----------|---------------------|---|
| 5861 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | In Progress | Urgent   | extend charon with external authentication interface                            | lynxis   | 02/07/2024 04:00 PM | Related to #5868  |
| 2781 | OsmoBSC  | Feature | Feedback    | Normal   | Extend OsmBSC TTCN-3 test coverage regarding resource leaks                     | neels    | 03/25/2022 05:56 AM | Related to #2781,Related to #2781,Related to #5355,Related to #5337 |
| 3054 | OsmoTRX  | Feature | Stalled     | Normal   | Extended (11-bit) RACH support in OsmoTRX                                       | tnt      | 02/03/2019 11:45 AM | Related to #1854,Related to #3054,Related to #3054,Related to #4006 |
| 1590 | Cellular Network Infrastructure                | Feature | New         | Low      | Extension of Control Interface / external SNMP agent                            |          | 07/18/2019 05:22 AM |   |
| 1597 | OsmoMSC  | Feature | Stalled     | Low      | External interface for USSD   | fixeria  | 11/27/2018 11:08 PM | Related to #1597,Related to #3433                                   |
| 4317 | osmo-pcap                                      | Bug     | New         | Low      | external tests not enabled in jenkins.sh  |          | 12/10/2019 02:42 PM |   |
| 3653 | OsmocomBB                                      | Bug     | New         | Normal   | FACCH/H sometimes not received by BTS with osmocomBB+motorolaCXX                |          | 10/22/2018 02:37 PM | Related to #5518  |
| 4798 | OsmocomBB                                      | Bug     | Feedback    | Low      | fake_trx send TRXC responses from wrong source address                          | fixeria  | 04/30/2021 03:37 AM |   |
| 4813 | OsmoPCU  | Feature | New         | Low      | FANR (Fast ACK/NACK Reporting) support  |          | 10/16/2020 08:46 AM |   |
| 5730 | OsmoMGW  | Feature | New         | Low      | Fax over GSM support  | manawyrn | 10/16/2023 08:53 PM | Precedes #5730  |
| 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 |   |
| 4574 | OsmoHNBGW                                      | Feature | New         | Low      | Femtocell choice in 2020/06   |          | 03/09/2024 07:09 PM |   |
| 4933 | OsmoHNBGW                                      | Bug     | New         | Low      | Femtocell choice in U.K 2021/01   |          | 03/09/2024 07:09 PM |   |
| 5681 | Retronetworking                                | Bug     | New         | Normal   | Figure out suitable connectors for EKSOS  | laforge  | 07/31/2023 10:22 AM |   |
| 6239 | libosmo-sccp + libosmo-sigtran                 | Feature | New         | Normal   | finally deprecate libosmo-sccp (headers, static lib)                            |          | 10/31/2023 07:31 PM |   |
| 4692 | Core testing infrastructure                    | Feature | Stalled     | Normal   | finally implement testing of the actual voice audio path                        | laforge  | 04/19/2021 06:27 PM |   |
| 1528 | OsmoPCU  | Bug     | New         | Low      | Find a real fix for EGPRS_AckNack_w_len_t decoding                              | pespin   | 02/06/2021 01:04 PM |   |
| 4430 | SIMtrace 2                                     | Bug     | New         | Normal   | firmware can get in endless out-of-memory loop on OUT EP flood                  | laforge  | 11/14/2022 11:46 PM |   |
| 2169 | OP25   | Bug     | New         | High     | First-cut of trunking support   |          | 04/22/2017 04:15 PM |   |
| 2157 | OP25   | Feature | New         | High     | Fix "traffic" tab so it displays data for non-HDU data units                    |          | 04/22/2017 04:16 PM |   |
| 2162 | OP25   | Bug     | New         | High     | Fix bit-ordering in output for VC55.  |          | 04/22/2017 04:15 PM |   |
| 3442 | OsmoMGW  | Bug     | New         | Normal   | fix int mgcp_codec_decide() in mgcp_codec.c                                     |          | 09/04/2019 09:26 AM |   |



| #    | Project                               | Tracker | Status      | Priority | Subject  | Assignee | Updated             | Related issues                                     |
|------|---------------------------------------|---------|-------------|----------|--|----------|---------------------|--|
| 3694 | Cellular Network Infrastructure       | Bug     | New         | Low      | Fix lintian warnings in .deb packages                            |          | 07/18/2019 05:20 AM | Related to #3699                                   |
| 4847 | OsmoPCU                               | Bug     | New         | Normal   | fix LLC-DISCARD behaviour  |          | 11/04/2020 02:37 AM | Related to #4847                                   |
| 1925 | OsmoPCU                               | Bug     | New         | High     | Fix padding for MCS8 transition                                  |          | 01/08/2020 10:31 PM |  |
| 1829 | OsmoNITB                              | Bug     | New         | Normal   | Fix warnings introduced by ctrl constify                         |          | 03/05/2018 07:34 PM |  |
| 4677 | SDR (Software Defined Radio)          | Bug     | New         | Normal   | fopher crash on OSX with Qt                                      |          | 07/27/2020 03:27 AM |  |
| 4432 | OsmoMGW                               | Bug     | New         | Normal   | for 'domain *', mgw should echo the domain of the MGCP client    |          | 03/04/2020 12:39 AM |  |
| 5991 | OsmoBSC                               | Bug     | New         | Normal   | Forward TSNS-PROV bsc->[bts->]pcu                                | jolly    | 12/17/2023 12:59 PM | Related to #5991                                   |
| 5433 | OCTOI - Osmocom Community TDM over IP | Bug     | New         | Normal   | forwarding of TSO / Alarms                                       |          | 01/30/2022 11:02 AM |  |
| 6169 | osmo-e1d                              | Bug     | New         | High     | Frame masking against network frame ordering, not frame numbers  | laforge  | 10/18/2023 03:19 PM |  |
| 5757 | OsmoDia2GSUP                          | Feature | Feedback    | Normal   | functional test suite for osmo_dia2gsup                          | lynxis   | 09/06/2023 02:48 PM |  |
| 3142 | Cellular Network Infrastructure       | Feature | New         | Low      | Further simplification of "NITB like" setups                     |          | 04/05/2018 08:09 PM |  |
| 1942 | OsmoSGSN                              | Bug     | Feedback    | Normal   | Gb: implement paging in case of MM state == STANDBY && rx DL PDU |          | 01/08/2020 10:48 PM | Related to #1942,Related to #4222                  |
| 4746 | libosmocore                           | Bug     | New         | Normal   | gb: NS2: implement a NSE based logfilter                         |          | 11/14/2020 08:42 AM |  |
| 4520 | osmo-gbproxy                          | Feature | In Progress | Normal   | gbproxy: Redundancy between NS-VCs (BSS Side)                    | lynxis   | 02/19/2021 04:50 PM | Related to #4520                                   |
| 4521 | osmo-gbproxy                          | Feature | New         | Normal   | gbproxy: Redundancy between NS-VCs (SGSN Side)                   | laforge  | 01/19/2021 05:24 PM | Related to #4959                                   |
| 4522 | osmo-gbproxy                          | Feature | Stalled     | High     | gbproxy: Redundancy within proxy pair                            | daniel   | 07/09/2021 06:43 PM |  |
| 4891 | osmo-gbproxy                          | Bug     | Stalled     | Normal   | gbproxy2: Implement processing of BVC-Flow-Control via BVC FSM   | daniel   | 10/25/2021 05:51 AM | Related to #4891                                   |
| 4893 | osmo-gbproxy                          | Feature | New         | Low      | gbproxy2: Make feature bitmap configurable                       |          | 12/08/2020 07:55 AM | Related to #4893                                   |
| 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 |
| 5764 | Cellular Network Infrastructure       | Bug     | New         | Normal   | GCC does not check format strings in LOGPFSM macros              |          | 11/11/2022 06:30 AM |  |
| 1987 | libosmocore                           | Feature | New         | Normal   | gcov code coverage test support                                  |          | 12/01/2019 01:42 PM | Related to #1987,Is duplicate of #1987             |
| 3227 | Cellular Network Infrastructure       | Feature | New         | Normal   | general idea: separate GSUP spec document                        | roh      | 12/01/2019 09:26 AM | Is duplicate of #3227                              |
| 1558 | OsmoPCU                               | Feature | New         | Low      | Generate BSSGP LLC Discarded messages on TBF/MS free             | osmith   | 02/13/2021 05:44 PM | Related to #4847                                   |
| 3386 | Cellular Network Infrastructure       | Feature | New         | Low      | Generate man pages at build time from adoc files                 | osmith   | 05/11/2023 11:24 AM | Precedes #3386                                     |

| #    | Project                               | Tracker | Status   | Priority | Subject   | Assignee  | Updated             | Related issues  |
|------|---------------------------------------|---------|----------|----------|---|-----------|---------------------|---|
| 1596 | Cellular Network Infrastructure       | Feature | New      | Low      | Generation of accounting/billing data   |           | 12/10/2017 08:03 PM |   |
| 5819 | Cellular Network Infrastructure       | Bug     | New      | Low      | Gerrit/gitiles: Parent links don't work   |           | 12/08/2022 01:28 PM |   |
| 4781 | osmo-qcdiag                           | Bug     | New      | High     | get hoernchen/gsmtap branch merged  | Hoernchen | 10/06/2020 03:18 PM |   |
| 1904 | OsmoNITB                              | Bug     | New      | Normal   | get rid of deprecated functions   |           | 03/05/2018 07:33 PM |   |
| 5487 | OsmoSGSN                              | Feature | New      | Low      | get rid of osmo-juh.git's iu_client API and absorb into OsmoSGSN                  |           | 03/10/2022 06:05 PM |   |
| 4647 | OsmoBSC                               | Bug     | New      | Low      | Getting attributes from BTS0 type nokia_site is not supported.                    |           | 07/04/2020 09:05 AM |   |
| 3604 | OsmoSTP                               | Feature | New      | Normal   | Global Title Routing  |           | 07/18/2019 05:15 AM |   |
| 3605 | OsmoSTP                               | Feature | New      | Normal   | Global Title Translation  |           | 07/18/2019 05:15 AM |   |
| 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  |
| 4600 | OsmoSGSN                              | Bug     | Feedback | Normal   | gmm_fsm{CommonProcedureInitiated}: Event E_GMM_COMMON_PROC_INIT_REQ not permitted | lynxis    | 06/08/2020 06:08 PM | Related to #4604  |
| 4601 | OsmoSGSN                              | Bug     | Feedback | Normal   | gmm_fsm{Registered.SUSPENDED}: Event E_GMM_COMMON_PROC_INIT_REQ not permitted     | lynxis    | 06/08/2020 06:11 PM | Related to #4604  |
| 1585 | OsmoSGSN                              | Feature | New      | Low      | Gn interface for inter-SGSN MM Context transfer                                   |           | 09/22/2023 02:42 PM | Related to #5759,Related to #6294,Is duplicate of #1585             |
| 2621 | OsmoGSMTester                         | Bug     | New      | Normal   | Gobi2000: might stopped working because all CID got assigned                      |           | 01/08/2020 10:40 PM |   |
| 3284 | OsmoPCU                               | Bug     | New      | Normal   | GPRS cell re-selection appears sticky in packet transfer / packet idle mode       |           | 01/08/2020 10:45 PM | Related to #2400,Related to #3284                                   |
| 5505 | OsmocomBB                             | Feature | New      | Normal   | GPRS mobility (cell change) support   |           | 07/01/2022 06:24 AM | Related to #5505  |
| 5179 | libosmocore                           | Bug     | New      | Normal   | gprs_ns2: use refcounting for the NSE   | lynxis    | 06/13/2021 03:08 AM |   |
| 5915 | libosmocore                           | Bug     | New      | Low      | gprs: ns2: convert timers into osmo-timers  | jolly     | 12/17/2023 12:59 PM | Related to #5915  |
| 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  |
| 4580 | SDR (Software Defined Radio)          | Feature | New      | Normal   | gr-osmosdr compilation under GnuRadio 3.9.0                                       |           | 06/04/2020 01:13 AM |   |
| 4950 | gr-osmosdr                            | Bug     | New      | Normal   | gr-osmosdr doesn't find iqbalance during build                                    |           | 02/22/2021 02:46 AM |   |
| 3462 | gr-osmosdr                            | Bug     | New      | Normal   | gr-osmosdr installation bladerf conversion errors                                 | horiz0n   | 07/18/2019 05:35 AM |   |
| 1599 | OsmoMSC                               | Feature | New      | Normal   | Gs interface (BSSMAP+) between SGSN and MSC/VLR                                   |           | 06/13/2020 05:52 PM | Related to #1583,Related to #1747,Related to #1599,Related to #4485 |

| #    | Project                         | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues                                     |
|------|---------------------------------|---------|-------------|----------|---|----------|---------------------|--|
| 1583 | OsmoSGSN                        | Feature | New         | Normal   | Gs interface (BSSMAP+) between SGSN and MSC/VLR   |          | 06/13/2020 05:52 PM | Related to #1583,Related to #1583,Related to #4485 |
| 4660 | OsmoMSC                         | Bug     | New         | Normal   | GSM AUTH failure: mismatching sres - with module TRM-5 ext  |          | 07/12/2020 08:01 PM |  |
| 2514 | GSM Audio Pocket Knife          | Bug     | Stalled     | Normal   | GSM HR encoding result does not match the reference   | fixeria  | 04/03/2019 08:37 AM |  |
| 3693 | libosmocore                     | Bug     | In Progress | Low      | gsm_04_08.h: numerous packed structs with sub-byte ints lack the order-swap shims for big endian              |          | 11/19/2018 02:05 PM |  |
| 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 |  |
| 5504 | OsmocomBB                       | Feature | New         | Normal   | GSM/GPRS coordination (RR/GRR)  |          | 05/23/2023 12:31 PM | Related to #5504                                   |
| 4842 | libosmocore                     | Bug     | In Progress | Normal   | gsm0408 test fails on several architectures   | neels    | 08/23/2022 04:38 PM |  |
| 2705 | OsmocomBB                       | Bug     | New         | Normal   | GSM48_MMR_NREG_REQ followed by GSM48_MMR_REG_REQ don't attach to the network                                  |          | 12/03/2017 09:50 PM |  |
| 4333 | Cellular Network Infrastructure | Support | Feedback    | Normal   | GSUP binary compatibility: add GSUP protocol version IE?  |          | 12/16/2019 01:56 PM | Related to #4333,Related to #4333,Related to #4333 |
| 2883 | OsmoMSC                         | Bug     | New         | Normal   | GSUP encoding of MSISDN is wrong  |          | 10/20/2020 08:41 AM | Related to #4324,Related to #4333                  |
| 4312 | OsmoHLR                         | Bug     | New         | High     | GSUP keepalives / connection loss detection   |          | 10/12/2020 02:42 PM |  |
| 3880 | OsmoMSC                         | Bug     | New         | Normal   | GSUP MT-ForwardSM Message Reference - wrong value in a response   |          | 04/01/2019 07:47 AM |  |
| 4306 | Distributed GSM                 | Feature | Stalled     | Low      | GSUP proxy cache: store data persistently   |          | 05/20/2020 09:18 PM | Precedes #4306                                     |
| 4305 | Distributed GSM                 | Feature | Stalled     | Low      | GSUP proxy: cache auth tuples to re-use / fall back to simpler auth methods                                   |          | 04/28/2020 02:37 PM | Precedes #4306                                     |
| 2604 | Cellular Network Infrastructure | Feature | Stalled     | High     | GSUP-to-DIAMETER converter / IWF  | laforge  | 02/29/2020 11:27 AM | Related to #5646                                   |
| 6212 | Linux Kernel GTP-U              | Bug     | In Progress | Normal   | GTP extension headers   | pespin   | 10/18/2023 03:03 PM | Related to #6223                                   |
| 5241 | OsmoGGSN (former OpenGGSN)      | Bug     | Feedback    | Low      | GTP: Malformed Packet pdp ctx response.   | lynxis   | 03/23/2022 05:31 PM |  |
| 1667 | OsmoNITB                        | Feature | New         | Normal   | Handle callref better   |          | 09/04/2019 09:31 AM | Related to #3294                                   |
| 5930 | OsmoPCU                         | Feature | New         | Low      | handle multiple BTSs with one PCU   |          | 03/03/2023 10:47 AM |  |
| 2795 | OsmoMSC                         | Feature | New         | Normal   | Handle UTRAN_CLSM_CHG in MSC  | neels    | 04/30/2018 12:06 PM | Related to #3043                                   |
| 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 |  |

| #    | Project       | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|---------------|---------|-------------|----------|---|----------|---------------------|--|
| 3638 | OsmoBSC       | Feature | New         | Low      | handover decision 2: load balancing across BSS  |          | 10/16/2018 01:16 PM | Related to #3638,Related to #3638,Related to #3638   |
| 3637 | OsmoBSC       | Bug     | Feedback    | Normal   | handover decision 2: properly check available codecs  | neels    | 10/09/2018 09:45 AM | Related to #3637,Related to #3637  |
| 3486 | OsmoBSC       | Feature | New         | Low      | handover decision: congestion: figure out the tradeoff: re-assign within same cell vs. handover to another cell   |          | 10/16/2018 01:16 PM | Related to #3486,Related to #3638  |
| 3482 | OsmoBSC       | Feature | New         | Low      | handover decision: if a new call causes congestion that would trigger immedate re-assignment, assigning the other TCH kind from the start   |          | 10/16/2018 01:15 PM | Related to #3482   |
| 3483 | OsmoBSC       | Feature | New         | Normal   | handover decision: if rxlev is ok but rxqual is bad, move from TCH/H to TCH/F   | neels    | 10/16/2018 01:53 PM | Related to #3483   |
| 3484 | OsmoBSC       | Feature | New         | Low      | handover decision: if rxlev is ok but rxqual is bad, move to different timeslot with same TCH kind to avoid interference  |          | 10/16/2018 01:30 PM |  |
| 3659 | OsmoBSC       | Feature | Stalled     | High     | handover during LCLS directly between BTSs  | dexter   | 05/22/2023 09:23 AM | Related to #3659,Related to #3659,Related to #3659,Related to #3659,Related to #3659,Related to #3659,Related to #3783 |
| 3480 | OsmoBSC       | Feature | New         | Normal   | handover from TCH/F to TCH/H to reduce load   |          | 06/08/2020 07:08 PM | Related to #3480,Related to #3481  |
| 3481 | OsmoBSC       | Feature | New         | Normal   | handover from TCH/H to TCH/F to reduce load   |          | 06/08/2020 07:08 PM | Related to #3481,Related to #3481  |
| 3485 | OsmoBSC       | Feature | New         | Low      | handover to make room for a less capable subscriber   |          | 10/16/2018 01:16 PM | Related to #3485   |
| 2964 | OsmoBSC       | Bug     | New         | Low      | handover_decision_2: measurement report number compared to lchan->meas_rep_last_seen_nr often overflows to zero (255 range) and hence an old report may be seen as new every once per 255 cycle | neels    | 12/16/2019 03:02 PM | Related to #1606   |
| 1706 | SIMtrace 2    | Feature | In Progress | Low      | Hardware / Circuit board update for SAM3S based SIMtrace2 with 1.8V/5V support  | mschramm | 10/28/2023 11:25 AM | Related to #1706,Related to #5464,Related to #4118,Related to #5826  |
| 4900 | OsmoGSMTester | Feature | New         | Low      | hardware and wiring verification / selftest   |          | 12/08/2020 11:03 AM |  |
| 6315 | pySim         | Feature | New         | Low      | have test data for all supported files  |          | 12/23/2023 09:36 AM |  |

| #    | Project                               | Tracker | Status      | Priority  | Subject   | Assignee | Updated             | Related issues                                 |
|------|---------------------------------------|---------|-------------|-----------|---|----------|---------------------|--|
| 2584 | Cellular Network Infrastructure       | Feature | New         | Low       | Have "osmo-network-check" to verify "Network In The Box" setup                              | neels    | 10/05/2018 04:20 PM | Related to #2618                               |
| 2356 | OsmoBTS                               | Feature | New         | Low       | have per-SAPI logging in OsmoBTS DL1P / DL1C  | osmith   | 03/19/2020 08:06 PM | Related to #2355                               |
| 2542 | OsmoHLR                               | Feature | Stalled     | Low       | have subscriber create-on-demand  | osmith   | 03/10/2022 03:40 PM | Related to #2541,Related to #5183              |
| 4488 | OsmoPCU                               | Feature | New         | Normal    | have uplink/downlink tests for all CS/MCS   |          | 11/25/2020 07:28 PM | Related to #4488,Related to #4510              |
| 2172 | OP25                                  | Bug     | New         | High      | HDU often missing in captures   |          | 04/22/2017 04:14 PM |  |
| 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 |  |
| 1515 | UmTRX                                 | Feature | New         | Normal    | Heat dissipation and mounting issue   |          | 02/19/2016 10:52 PM |  |
| 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                               |
| 6436 | OsmoPCU                               | Bug     | New         | High      | high cpu usage, entire BTS unresponsive after some hours                                    | keith    | 04/13/2024 04:32 PM |  |
| 1872 | libosmocore                           | Feature | New         | Low       | high-performance remote logging   |          | 03/24/2021 12:36 PM |  |
| 2840 | OsmoHLR                               | Feature | New         | Low       | HLR should allow 2g-only or 3g-only subscribers   | neels    | 10/28/2020 09:22 PM |  |
| 2692 | OsmoSGSN                              | Bug     | New         | Low       | HLR string in CDR and VTY is empty  | pespin   | 09/30/2018 11:39 AM |  |
| 5904 | OsmoHNBGW                             | Feature | New         | Normal    | HNBAP Register Request handling does checks that seem to make no sense                      | neels    | 09/01/2023 05:00 AM |  |
| 5230 | OsmoHNBGW                             | Bug     | In Progress | Normal    | hnbgw fails to connect to the sgsn  | lynxis   | 10/14/2021 07:50 AM |  |
| 5867 | OsmoHNBGW                             | Feature | New         | Normal    | HNBGW_Tests.ttcn should do HNBAP UE Register and De-Register tests                          |          | 01/21/2023 02:30 AM |  |
| 3002 | OsmoBSC                               | Bug     | New         | Normal    | HO2: handover decision for dynamic timeslots  | neels    | 10/28/2020 08:46 PM | Related to #1606,Related to #1608,Blocks #3002 |
| 4810 | osmo-clock-conv                       | Feature | New         | Normal    | horizontal DC input on rear side of PCB   | mschramm | 10/15/2020 10:53 PM |  |
| 5050 | OsmoTRX                               | Bug     | New         | Normal    | How can I solve limesdr mini clock problem with osmocom ?                                   |          | 02/27/2021 01:55 PM |  |
| 2650 | OsmoMGW                               | Bug     | New         | Normal    | how can osmo-mgw send a dummy RTP packet before CRCX ACK?                                   |          | 06/08/2020 07:08 PM | Related to #4005                               |
| 4737 | Distributed GSM                       | Support | New         | Low       | How to configure Queries gsup.hlr.123456789.imsi, sip.voice.123.msisdn, smpp.sms.123.msisdn |          | 08/31/2020 11:10 AM |  |
| 6224 | Retronetworking                       | Feature | Feedback    | Normal    | how to document the rescued EWSD  |          | 10/18/2023 04:51 PM |  |
| 5683 | Osmocom Libraries                     | Bug     | New         | Immediate | How to install osmocom in China   |          | 09/18/2022 10:18 AM |  |
| 4135 | Qualcomm Linux Modems by Quectel & Co | Support | New         | Normal    | how to use network inside ec20  |          | 07/31/2019 11:20 AM |  |

| #    | Project                         | Tracker | Status      | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|---------------------------------|---------|-------------|----------|---|----------|---------------------|------------------|
| 4882 | OsmoHNBGW                       | Feature | New         | Low      | HSPA+ Picocell available in U.S   |          | 03/09/2024 07:08 PM |                  |
| 5511 | Retronetworking                 | Feature | New         | Low      | Idea: DAHDI backend for mISDN   |          | 09/18/2022 03:59 PM |                  |
| 5512 | Retronetworking                 | Bug     | New         | Low      | Idea: L1OIP driver for DAHDI  |          | 04/03/2022 11:46 AM |                  |
| 6258 | OsmoMSC                         | Feature | In Progress | Normal   | if MT call leg does not support the assigned codec, re-assign to a compatible codec                 |          | 01/12/2024 06:26 AM | Related to #6328 |
| 5917 | libosmo-sccp + libosmo-sigtran  | Feature | Feedback    | Normal   | immediately detect SCTP SHUTDOWN in SCCP link / in SCCP user / in active SCCP connections           | neels    | 03/20/2023 10:23 AM |                  |
| 6255 | OsmoDia2GSUP                    | Bug     | New         | Normal   | Implement 3GPP Purge UE Request   |          | 11/10/2023 01:29 PM |                  |
| 4019 | OsmoPCU                         | Bug     | New         | Normal   | implement a command to show all informations from the bts   |          | 11/25/2020 07:33 PM |                  |
| 2918 | OsmoBSC                         | Feature | New         | Low      | Implement a function to properly test connection clearing in MSC_ConnectionHandler.ttcn (BSC-Tests) |          | 01/08/2020 10:21 PM |                  |
| 4277 | Cellular Network Infrastructure | Feature | New         | Low      | implement an SMSC to work with OsmoMSC  |          | 11/22/2019 02:45 PM |                  |
| 5648 | libosmo-pfcp                    | Feature | New         | Normal   | implement common PFCP CPF client VTY config   |          | 08/17/2022 03:29 PM | Related to #5648 |
| 3763 | osmo-sip-connector              | Bug     | New         | Normal   | Implement correct handling for call answered elsewhere  |          | 01/22/2019 01:03 PM |                  |
| 2167 | OP25                            | Feature | New         | High     | Implement Encryption/Decryption P25 blocks  |          | 04/22/2017 04:15 PM |                  |
| 6086 | pySim                           | Feature | New         | Low      | implement features of sysmo-{usim, isim}-tool   | laforge  | 07/13/2023 04:09 AM |                  |
| 4496 | osmo-uecups                     | Feature | New         | Low      | implement filters for sharing as single tun device between multiple bearers                         | laforge  | 04/17/2020 08:31 AM |                  |
| 2156 | OP25                            | Feature | New         | High     | Implement forward error correction for HDU.   |          | 04/22/2017 04:16 PM |                  |
| 2168 | OP25                            | Bug     | New         | High     | Implement Forward error correction for LDU1/2   |          | 04/22/2017 04:15 PM |                  |

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