

## Issues

| #    | Project  | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues   |
|------|--|---------|--------|----------|---|----------|---------------------|------------------|
| 6434 | E1/T1 Hardware Interface (including icE1usb)   | Support | New    | Normal   | D-channel do not recover after underrun   |          | 04/27/2024 09:03 PM |                  |
| 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 |                  |
| 4612 | OsmoMSC  | Support | New    | Normal   | test handover on non-voice call conn (no CC transaction present)                              |          | 06/14/2020 12:21 PM |                  |
| 4581 | OsmocomBB                                      | Support | New    | Normal   | compiler error assert.h no such file  |          | 06/05/2020 09:54 AM |                  |
| 4471 | OsmocomBB                                      | Support | New    | Normal   | Received FTMT00L from phone, ramloader has aborted  |          | 03/29/2020 11:18 AM |                  |
| 4308 | Distributed GSM                                | Support | New    | High     | thoughts about incorporating credit / billing in D-GSM  |          | 12/04/2019 04:08 PM |                  |
| 4206 | Qualcomm Linux Modems by Quectel & Co          | Support | New    | Urgent   | Unbrick cpe router without web ui interface and terminal                                      |          | 02/22/2021 02:01 PM |                  |
| 4135 | Qualcomm Linux Modems by Quectel & Co          | Support | New    | Normal   | how to use network inside ec20  |          | 07/31/2019 11:20 AM |                  |
| 4080 | rtl-sdr  | Support | New    | Normal   | Receiving UTAs on 978 Mhz   |          | 07/02/2019 12:08 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 |
| 3819 | gr-osmosdr                                     | Support | New    | Urgent   | OSMO SDR blocks for GNUradio  |          | 02/28/2019 06:00 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 |                  |
| 2764 | SDR (Software Defined Radio)                   | Support | New    | Normal   | osmocom_fft & siggen can't access the X display   |          | 12/15/2017 06:09 PM |                  |
| 2677 | libosmocore                                    | Support | New    | Normal   | Make stat_item available over ctrl interface  |          | 09/04/2019 09:21 AM | Related to #2676 |
| 2504 | OsmoGSMTester                                  | Support | New    | Normal   | check whether running osmo-* from docker images is feasible on osmo-gsm-tester                |          | 04/06/2020 11:28 AM |                  |
| 1983 | rtl-sdr  | Support | New    | Normal   | Add welle.io and rtl_fm_streamer to rtl-sdr app list  |          | 06/03/2018 12:24 PM |                  |
| 6408 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New    | Normal   | osmo-epdg: Support check IMEI   |          | 03/15/2024 06:45 PM |                  |
| 6407 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New    | Normal   | osmo-epdg: Support Emergency services (no IMSI)   |          | 03/15/2024 06:43 PM |                  |
| 6402 | libosmocore                                    | Feature | New    | Low      | consider using IORING_RECVSEND_POLL_FIRST for our socket-reads                                |          | 03/14/2024 08:21 AM |                  |
| 6401 | libosmocore                                    | Feature | New    | Low      | benchmark batching io_uring operations  |          | 03/14/2024 08:10 AM |                  |
| 6395 | OsmoHNBGW                                      | Feature | New    | Low      | PCFP URR support in osmo-hnbgw  |          | 03/22/2024 08:08 AM | Related to #6395 |
| 6390 | libosmocore                                    | Feature | New    | Low      | port CTRL over to osmo_io / io_uring  |          | 03/02/2024 06:45 PM | Related to #6390 |
| 6389 | libosmocore                                    | Feature | New    | Low      | port VTY over to osmo_io / io_uring   |          | 03/02/2024 04:55 PM | Related to #6389 |

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| 6388 | libosmocore                                    | Feature | New    | Normal   | stats_reporter via osmo_io / io_uring?   |          | 03/02/2024 04:54 PM | Related to #6388                  |
| 6367 | pySim  | Feature | New    | Normal   | PC/SC <-> Android OMAPI bridge for pySim and others                            |          | 02/17/2024 01:34 PM |                                   |
| 6354 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New    | Low      | investigate UE behavior in terms of respecting ePDG configuration on USIM/ISIM |          | 02/07/2024 04:10 PM |                                   |
| 6348 | OsmocomBB                                      | Feature | New    | Normal   | virtphy: add Circuit Switched Data (CSD) support                               |          | 01/26/2024 10:03 PM | Related to #6348                  |
| 6347 | OsmocomBB                                      | Feature | New    | Normal   | mobile: support data calls @ 300 bps and 1200/75 bps (TCH/[FH]2.4)             |          | 01/26/2024 09:54 PM | Related to #6347                  |
| 6346 | OsmocomBB                                      | Feature | New    | Normal   | mobile: support data calls @ 14400 bps (TCH/F14.4)                             |          | 01/26/2024 10:03 PM | Related to #6346,Related to #6346 |
| 6345 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New    | Low      | osmo-epdg: Implement SWm interface (Diameter) ePDG <-> AAA                     |          | 01/25/2024 05:22 PM |                                   |
| 6344 | libosmocore                                    | Feature | New    | Normal   | New TS 24.008 Bearer Capability codec API                                      |          | 01/24/2024 11:19 PM | Related to #6344                  |
| 6332 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | New    | Normal   | osmo-epdg: Write User Manual   |          | 01/18/2024 04:15 PM | Related to #6332                  |
| 6316 | pySim  | Feature | New    | Normal   | include test data in user manual   |          | 12/23/2023 03:10 PM |                                   |
| 6315 | pySim  | Feature | New    | Low      | have test data for all supported files   |          | 12/23/2023 09:36 AM |                                   |
| 6303 | OsmoPCU  | Feature | New    | Low      | Convert pcuif to TLV to make backwards compatibility more feasible             |          | 02/15/2024 09:23 PM |                                   |
| 6298 | OsmoGGSN (former OpenGGSN)                     | Feature | New    | Normal   | osmo-ggsn not providing MTU of the GTP tunnel to the MS                        |          | 02/15/2024 10:30 PM | Related to #6298                  |
| 6285 | OsmoHNBGW                                      | Feature | New    | Low      | IUFP needs not CRCX in loopback mode   |          | 12/04/2023 03:58 AM |                                   |
| 6243 | Cellular Network Infrastructure                | Feature | New    | Low      | vty cfg: make changing startup defaults of applications backwards compatible   |          | 11/01/2023 07:06 PM |                                   |
| 6242 | Core testing infrastructure                    | Feature | New    | Normal   | Test eUPF against ttcn3-upf-test setup   |          | 12/18/2023 11:33 AM |                                   |
| 6241 | libosmo-sccp + libosmo-sigtran                 | Feature | New    | Low      | M3UA "Network Appearance" support  |          | 10/31/2023 03:00 PM | Related to #6241                  |
| 6239 | libosmo-sccp + libosmo-sigtran                 | Feature | New    | Normal   | finally deprecate libosmo-sccp (headers, static lib)                           |          | 10/31/2023 07:31 PM |                                   |
| 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 |
| 6104 | pySim  | Feature | New    | Low      | reduce number of python dependencies   |          | 07/20/2023 04:28 PM |                                   |
| 6036 | OsmoBTS  | Feature | New    | Normal   | Implement ternary SID classification for HR1 uplink                            |          | 05/17/2023 09:48 PM | Related to #6036,Related to #6036 |
| 6000 | OsmoMSC  | Feature | New    | Normal   | Allow emergency calls without IMSI (using IMEI as MI)                          |          | 04/12/2023 11:03 AM | Related to #6000                  |

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|------|---------------------------------|---------|--------|----------|---|----------|---------------------|-----------------------------------|
| 5930 | OsmoPCU                         | Feature | New    | Low      | handle multiple BTSs with one PCU   |          | 03/03/2023 10:47 AM |                                   |
| 5908 | Cellular Network Infrastructure | Feature | New    | Low      | Cleanup license information throughout the projects                                       |          | 02/16/2023 11:02 AM |                                   |
| 5867 | OsmoHNBGW                       | Feature | New    | Normal   | HNBGW_Tests.ttcn should do HNBAP UE Register and De-Register tests                        |          | 01/21/2023 02:30 AM |                                   |
| 5865 | OsmoHLR                         | Feature | New    | Low      | Automate selection of LU Reject Cause   |          | 02/16/2023 10:36 AM |                                   |
| 5853 | OsmoSGSN                        | Feature | New    | Normal   | osmo-sgsn: Rework to use libosmo-gprs   |          | 01/11/2023 03:14 PM |                                   |
| 5838 | OsmoGSMTester                   | Feature | New    | Normal   | Implement power switching for all BTSs  |          | 12/20/2022 05:30 PM |                                   |
| 5834 | OsmoPCU                         | Feature | New    | Normal   | VTY option "two-phase-access" is misleading   |          | 12/19/2022 06:55 PM |                                   |
| 5829 | libosmocore                     | Feature | New    | Low      | log fallback for log_check_level(), log_parse_category()                                  |          | 12/13/2022 10:44 PM |                                   |
| 5816 | OsmoHNBGW                       | Feature | New    | Low      | Picocells available in R.U  |          | 03/09/2024 07:09 PM |                                   |
| 5815 | OsmocomBB                       | Feature | New    | Low      | mobile: compose Bearer Capability IE depending on PHY capabilities and GAPK codec support |          | 12/06/2022 07:38 PM | Related to #5815,Related to #5815 |
| 5814 | OsmoUPF                         | Feature | New    | Normal   | tunmap: more concisely match on GTP-U packets   |          | 12/06/2022 07:30 PM |                                   |
| 5813 | OsmoHNBGW                       | Feature | New    | Low      | Alcatel-Lucent femtocells available in Europe   |          | 03/09/2024 07:09 PM |                                   |
| 5812 | OsmocomBB                       | Feature | New    | Low      | mobile: missing AMR support   |          | 12/06/2022 03:07 PM | Related to #5812                  |
| 5808 | gr-osmosdr                      | Feature | New    | Normal   | New option, for selecting an input channel of a soapy_source_c                            |          | 12/05/2022 11:45 AM |                                   |
| 5780 | OsmoMSC                         | Feature | New    | Normal   | Implement/Support UUS1  |          | 01/24/2023 10:48 AM |                                   |
| 5771 | Cellular Network Infrastructure | Feature | New    | Normal   | series of presentations about the individual CN1 network elements                         |          | 11/14/2022 07:25 PM |                                   |
| 5768 | Retronetworking                 | Feature | New    | Normal   | retronetworking logo / artwork  |          | 04/07/2024 10:40 PM |                                   |
| 5766 | libosmo-abis                    | Feature | New    | Low      | use Linux kernel KCM for IPA header?  |          | 11/13/2022 08:15 AM | Related to #5766                  |
| 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 |                                   |
| 5746 | Retronetworking                 | Feature | New    | Low      | Create H.221 decoder  |          | 11/07/2022 10:55 PM |                                   |
| 5722 | Cellular Network Infrastructure | Feature | New    | Low      | Migrate jenkins build slaves from docker to podman  |          | 10/21/2022 08:29 PM | Related to #5722                  |
| 5721 | OsmoCBC                         | Feature | New    | Normal   | CBC messages Geographical Scope and CBS Index   |          | 10/19/2022 07:23 AM |                                   |
| 5692 | Cellular Network Infrastructure | Feature | New    | Low      | switch to C99 standard flexible arrays instad of gcc-specific zero-length arrays          |          | 09/29/2022 05:59 AM |                                   |
| 5682 | OsmoUPF                         | Feature | New    | Low      | cfg: separate PFCP Node ID from PFCP local address  |          | 09/17/2022 02:21 PM | Related to #5682                  |
| 5662 | OsmoUPF                         | Feature | New    | Normal   | add Linux kernel options to manual  |          | 08/24/2022 03:13 PM |                                   |
| 5648 | libosmo-pfcp                    | Feature | New    | Normal   | implement common PFCP CPF client VTY config   |          | 08/17/2022 03:29 PM | Related to #5648                  |

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|------|---------------------------------------|---------|--------|----------|---|----------|---------------------|--|
| 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                  |
| 5641 | OsmoCBC                               | Feature | New    | Normal   | OsmoCBC doesn't yet support reloading cells becoming operational with active messages |          | 08/05/2022 05:10 PM |  |
| 5586 | OsmoBSC                               | Feature | New    | Normal   | Ericsson RBS could recover Unlocked state without osmo-bsc restart                    |          | 06/21/2022 10:23 PM | Related to #5983                                   |
| 5547 | OsmoBSC                               | Feature | New    | Low      | upon emergency call, from the MSC-pool pick an MSC that allows emergency calling      |          | 04/25/2022 05:49 AM |  |
| 5546 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Normal   | build frame relay "hub" similar to ISDN "hub"   |          | 04/24/2022 03:03 PM |  |
| 5545 | Retronetworking                       | Feature | New    | Low      | E1 support for dynamips   |          | 04/24/2022 09:56 AM |  |
| 5543 | Retronetworking                       | Feature | New    | Normal   | Contact manufacturers for leftover stock  |          | 06/27/2023 09:05 PM |  |
| 5526 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | ability to generate GSMTAP traces from osmo-e1d                                       |          | 07/29/2023 07:23 AM |  |
| 5520 | osmo-e1d                              | Feature | New    | Low      | exponential back-off on octoi client reconnect attempts                               |          | 07/29/2023 07:30 AM |  |
| 5519 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | reimplement overlapped.php based on yate python module                                |          | 12/03/2023 10:47 AM |  |
| 5511 | Retronetworking                       | Feature | New    | Low      | Idea: DAHDI backend for mISDN   |          | 09/18/2022 03:59 PM |  |
| 5505 | OsmocomBB                             | Feature | New    | Normal   | GPRS mobility (cell change) support   |          | 07/01/2022 06:24 AM | Related to #5505                                   |
| 5504 | OsmocomBB                             | Feature | New    | Normal   | GSM/GPRS coordination (RR/GRR)  |          | 05/23/2023 12:31 PM | Related to #5504                                   |
| 5489 | linmodem                              | Feature | New    | Low      | linmodem mISDN integration  |          | 03/13/2022 09:35 PM |  |
| 5487 | OsmoSGSN                              | Feature | New    | Low      | get rid of osmo-ih.git's iu_client API and absorb into OsmoSGSN                       |          | 03/10/2022 06:05 PM |  |
| 5484 | Open Source IMS Client                | Feature | New    | Normal   | create setup for nested IPsec (doubango on top of StrongSWAN)                         |          | 03/07/2022 11:19 AM |  |
| 5483 | Open Source IMS Client                | Feature | New    | Normal   | SIM card interface for strongswan   |          | 03/07/2022 03:19 PM |  |
| 5482 | Open Source IMS Client                | Feature | New    | Normal   | VoWiFi client for creating [outer] IPsec tunnel to ePDG                               |          | 03/07/2022 09:33 PM | Related to #5482                                   |
| 5468 | OsmoMGW                               | Feature | New    | Normal   | osmo-mgw: 2g<->3g call support  |          | 06/03/2022 10:39 AM | Related to #5468,Related to #5468,Related to #5468 |
| 5446 | Cellular Network Infrastructure       | Feature | New    | Normal   | correlate git version to ttcn3 tests  |          | 02/07/2022 09:40 PM | Related to #5446                                   |
| 5443 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Normal   | possibility to transmit frames from multiple lines in one packet                      |          | 02/06/2022 08:15 AM |  |
| 5435 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | use DNS to resolve the server   |          | 04/05/2022 08:20 PM |  |
| 5427 | OCTOI - Osmocom Community TDM over IP | Feature | New    | Low      | STUN/TURN/ICE for peer-to-peer connections  |          | 01/30/2022 10:43 AM |  |
| 5395 | OsmocomDECT                           | Feature | New    | Normal   | Support for LMX3161   |          | 01/09/2022 12:55 PM |  |

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|------|---------------------------------|---------|--------|----------|--|----------|---------------------|------------------------------------|
| 5372 | osmo-lab-rack                   | Feature | New    | Low      | AC power supply  |          | 12/23/2021 06:33 PM |                                    |
| 5371 | osmo-lab-rack                   | Feature | New    | Low      | component carrier USB-UART   |          | 12/23/2021 06:31 PM |                                    |
| 5370 | osmo-lab-rack                   | Feature | New    | Low      | component carrier USB hub  |          | 12/23/2021 06:30 PM |                                    |
| 5323 | Core testing infrastructure     | Feature | New    | Normal   | Add docker image containing titan.core master                              |          | 12/15/2021 04:43 PM | Related to #6187                   |
| 5321 | osmo-remsim                     | Feature | New    | Low      | support SAP of u-blox AT+USAPMODE  |          | 11/22/2021 10:37 AM |                                    |
| 5320 | osmo-remsim                     | Feature | New    | Low      | support SAP of Telit AT#RSEN   |          | 11/22/2021 10:38 AM |                                    |
| 5307 | Ericsson RBS 6xxx               | Feature | New    | Normal   | Support for Multiple Sectors at an RBS site.                               |          | 11/13/2021 08:20 PM |                                    |
| 5267 | pySim                           | Feature | New    | Normal   | pySim-shell: Ability to deactivate entire applications on the card         |          | 10/14/2021 07:12 PM | Related to #5268                   |
| 5256 | OsmoBTS                         | Feature | New    | High     | support for random padding in LAPDm downlink messages                      |          | 10/12/2021 11:17 AM | Related to #5256                   |
| 5235 | pySim                           | Feature | New    | Low      | import / export as eUICC profile package ASN.1                             |          | 06/09/2023 04:55 PM |                                    |
| 5183 | OsmoHLR                         | Feature | New    | Low      | EIR functionality  |          | 06/16/2021 06:22 AM | Related to #5183                   |
| 5167 | Osmocom Analog                  | Feature | New    | Low      | LimeNet Micro  |          | 04/02/2023 08:57 AM |                                    |
| 5156 | OsmoBSC                         | Feature | New    | Low      | Support intraBSC handover between distinct BTS types                       |          | 11/04/2021 06:27 PM |                                    |
| 5128 | Core testing infrastructure     | Feature | New    | Low      | dec_RlcmacDICtrlBlock: Get rid of annoying warning about remaining padding |          | 12/09/2021 09:14 PM |                                    |
| 5047 | OsmoSDR                         | Feature | New    | Normal   | Inconsistencies between SDR's in bias-tee parameter                        |          | 12/19/2021 01:17 PM |                                    |
| 5013 | Cellular Network Infrastructure | Feature | New    | Low      | investigate "vtysh" for Osmocom  |          | 02/06/2021 02:14 PM | Related to #5013                   |
| 4990 | OsmoBSC                         | Feature | New    | Low      | TTCN3 test for AMR MultiRate IEs in RR and RSL                             |          | 07/02/2021 04:34 PM |                                    |
| 4989 | OsmoBTS                         | Feature | New    | Low      | AMR RATSCCH support  |          | 01/28/2021 01:41 PM |                                    |
| 4988 | OsmoBTS                         | Feature | New    | Low      | No TTCN3 test for AMR TFO / DL CMR handling                                |          | 01/28/2021 01:38 PM |                                    |
| 4987 | OsmoBTS                         | Feature | New    | Low      | No TTCN3 test for AMR DTX FSMs   |          | 01/28/2021 01:37 PM | Related to #5474                   |
| 4986 | OsmoBTS                         | Feature | New    | Low      | No TTCN3 tests of AMR rate/link adaptation                                 |          | 01/28/2021 01:36 PM |                                    |
| 4983 | OsmoMSC                         | Feature | New    | Low      | PERFORM LOCATION REQUEST / RESPONSE  |          | 01/28/2021 11:44 AM |                                    |
| 4982 | OsmoMSC                         | Feature | New    | Low      | Support for BSSMAP RESOURCE INDICATION                                     |          | 01/27/2021 03:01 PM | Related to #4982                   |
| 4981 | OsmoBSC                         | Feature | New    | Low      | Support for generating BSSMAP RESOURCE INDICATION                          |          | 01/27/2021 03:02 PM | Related to #4982                   |
| 4980 | OsmoMSC                         | Feature | New    | Low      | Implement routing of BSSMAP LOAD INDICATION in OsmoMSC                     |          | 01/27/2021 02:43 PM | Related to #4980, Related to #4980 |
| 4979 | OsmoBSC                         | Feature | New    | Low      | Support for parsing incoming BSSMAP LOAD INDICATION                        |          | 01/27/2021 02:41 PM | Related to #4979, Related to #4980 |
| 4978 | OsmoBSC                         | Feature | New    | Low      | Support for generating BSSMAP LOAD INDICATION                              |          | 01/27/2021 02:40 PM | Related to #4979, Related to #4980 |

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|------|---------------------------------|---------|--------|----------|--|----------|---------------------|------------------|
| 4967 | OsmoPCU                         | Feature | New    | Normal   | osmo-pcu: Avoid sending new DL EGPRS blocks to MS announcing MS_OUT_OF_MEMORY  |          | 01/21/2021 02:26 PM |                  |
| 4961 | osmo-gbproxy                    | Feature | New    | Normal   | gbproxy support for "network sharing" via MOCN   |          | 01/20/2021 08:38 PM |                  |
| 4915 | osmo-e1d                        | Feature | New    | Low      | consider a one-thread-per-line architecture  |          | 07/29/2023 07:31 AM |                  |
| 4900 | OsmoGSMTester                   | Feature | New    | Low      | hardware and wiring verification / selftest  |          | 12/08/2020 11:03 AM |                  |
| 4893 | osmo-gbproxy                    | Feature | New    | Low      | gbproxy2: Make feature bitmap configurable   |          | 12/08/2020 07:55 AM | Related to #4893 |
| 4882 | OsmoHNBGW                       | Feature | New    | Low      | HSPA+ Picocell available in U.S  |          | 03/09/2024 07:08 PM |                  |
| 4860 | libosmo-abis                    | Feature | New    | Low      | Implement separation of line/TEI/datalinks in E1 pcap  |          | 11/04/2021 06:31 PM |                  |
| 4846 | OsmoPCU                         | Feature | New    | Normal   | change RBB received block bitmap into 1s when everything was acked   |          | 11/04/2020 02:29 AM |                  |
| 4813 | OsmoPCU                         | Feature | New    | Low      | FANR (Fast ACK/NACK Reporting) support   |          | 10/16/2020 08:46 AM |                  |
| 4812 | OsmoPCU                         | Feature | New    | Low      | RTTI (Reduced Transmission Time Interval) Support  |          | 10/16/2020 08:43 AM |                  |
| 4806 | osmo-ccid-firmware              | Feature | New    | Low      | Add support of T=1?  |          | 10/15/2020 03:40 PM |                  |
| 4790 | OsmoHNBGW                       | Feature | New    | Low      | Vodafone HSPA+ femtocell available in Deutschland  |          | 03/09/2024 07:08 PM |                  |
| 4762 | osmo-sip-connector              | Feature | New    | Low      | Osmo Analog Support  |          | 09/25/2020 07:31 AM | Related to #4763 |
| 4717 | OsmoMSC                         | Feature | New    | Normal   | support Handover with changing codec   |          | 08/18/2020 05:14 PM | Related to #4717 |
| 4682 | OsmoBSC                         | Feature | New    | Low      | OM2000 MCTR Support for Ericsson RBS6000 / DUG 20  |          | 07/30/2020 06:51 AM | Precedes #4682   |
| 4640 | OsmoBSC                         | Feature | New    | Low      | SI2quater: support multiple EUTRAN Neighbor Cells List entries, not only multiple EUTRAN Cell Descriptions in the first Cells List entry |          | 07/06/2020 03:03 PM |                  |
| 4638 | Altair LTE Modems               | Feature | New    | Normal   | Mikrotik R11e-4G mtd dump  |          | 06/13/2021 10:15 AM |                  |
| 4635 | libosmo-sccp + libosmo-sigtran  | Feature | New    | Normal   | quirks when initializing SS7 ASP   |          | 06/25/2020 04:46 PM | Related to #4635 |
| 4634 | OsmoMSC                         | Feature | New    | Low      | lu: record SAC, and show RNC ID and SAC in the vty upon 'show subscriber'  |          | 06/24/2020 06:08 PM |                  |
| 4633 | OsmoMSC                         | Feature | New    | Normal   | update the Cell ID in the VLR after an inter-BSC / inter-MSC handover  |          | 06/24/2020 12:40 PM |                  |
| 4632 | OsmoMSC                         | Feature | New    | Normal   | update the cell id in the VLR when receiving BSSMAP HANDOVER PERFORMED from the BSC  |          | 06/24/2020 12:35 PM | Related to #4632 |
| 4596 | OsmocomTETRA                    | Feature | New    | Normal   | Port to GR3.8  |          | 01/08/2021 05:23 PM |                  |
| 4591 | libosmocore                     | Feature | New    | Normal   | Export FSM states and statistics with counters   |          | 03/24/2021 12:34 PM |                  |
| 4590 | libosmocore                     | Feature | New    | Normal   | Export talloc data as counters for better memory leakage monitoring in production  |          | 09/12/2022 03:53 PM |                  |
| 4588 | OsmoHLR                         | Feature | New    | Low      | OsmoHLR doesn't appear to have any statistics / counters   |          | 06/06/2020 09:44 AM |                  |
| 4587 | Cellular Network Infrastructure | Feature | New    | Low      | Add port numbers to /etc/services during installation  |          | 06/08/2020 10:28 AM | Related to #5013 |
| 4580 | SDR (Software Defined Radio)    | Feature | New    | Normal   | gr-osmosdr compilation under GnuRadio 3.9.0  |          | 06/04/2020 01:13 AM |                  |
| 4574 | OsmoHNBGW                       | Feature | New    | Low      | Femtocell choice in 2020/06  |          | 03/09/2024 07:09 PM |                  |

| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|---------------------------------|---------|--------|----------|--|----------|---------------------|-----------------------------------|
| 4551 | OsmoMGW                         | Feature | New    | Normal   | Dynamic/runtime allocation of new endpoints  |          | 05/14/2020 10:56 PM |                                   |
| 4541 | OsmoBSC                         | Feature | New    | Normal   | add ttcn3 tests for situations of Abis latency spikes, where chan act/deact ACK messages arrive late |          | 11/20/2023 05:03 PM | Related to #4541,Related to #6375 |
| 4536 | OsmoBSC                         | Feature | New    | Normal   | Multi BTS support within a single physical device  |          | 06/21/2020 01:10 PM |                                   |
| 4525 | Cellular Modem Information      | Feature | New    | Normal   | MTK  |          | 05/03/2020 03:57 PM | Is duplicate of #4525             |
| 4504 | OsmoTRX                         | Feature | New    | Low      | Buidl LimeSuite without GUI in osmocom feeds   |          | 09/30/2020 08:08 PM |                                   |
| 4490 | IMSI Pseudonymization           | Feature | New    | Normal   | Specification: how would IMSI-pseudo interact within a combined (2G-4G)+5G network?                  |          | 04/16/2020 08:44 AM |                                   |
| 4489 | IMSI Pseudonymization           | Feature | New    | Normal   | Specification: mark mandatory parts / implementation details as such                                 |          | 04/16/2020 08:44 AM |                                   |
| 4488 | OsmoPCU                         | Feature | New    | Normal   | have uplink/downlink tests for all CS/MCS  |          | 11/25/2020 07:28 PM | Related to #4488,Related to #4510 |
| 4486 | IMSI Pseudonymization           | Feature | New    | Normal   | Applet: gracefully handle case where timer is set twice  |          | 04/16/2020 08:45 AM |                                   |
| 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 |                                   |
| 4479 | IMSI Pseudonymization           | Feature | New    | Normal   | Applet: change IMSI after receiving SMS  |          | 04/16/2020 08:45 AM |                                   |
| 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                  |
| 4477 | IMSI Pseudonymization           | Feature | New    | Normal   | OsmoHLR: send next pseudo IMSI via SMS   |          | 04/16/2020 08:45 AM | Blocks #4477,Blocks #4477         |
| 4473 | OsmoBTS                         | Feature | New    | Low      | Support for broadcast of MOCN related SI21/22/23   |          | 03/29/2020 07:39 PM | Related to #4473                  |
| 4458 | Core testing infrastructure     | Feature | New    | Low      | Set up a STF (Smartphone Testing Farm)   |          | 03/18/2020 02:44 PM |                                   |
| 4455 | OP25                            | Feature | New    | Normal   | AMBE CODEC   |          | 03/28/2020 09:53 PM |                                   |
| 4433 | OsmoGGSN (former OpenGGSN)      | Feature | New    | Normal   | sgsnemu: Add support for IPv4v6 EUAs   |          | 03/04/2020 10:44 AM |                                   |
| 4418 | OsmocomBB                       | Feature | New    | Normal   | test-sim: support all libosmocore algorithms (comp128 v1, v2, v3; MILENAGE)                          |          | 02/26/2020 11:41 PM |                                   |
| 4415 | OsmoGGSN (former OpenGGSN)      | Feature | New    | Normal   | Document in OsmoGGSN User Manual the IPv6 allocation process over GTP                                |          | 02/25/2020 03:05 PM |                                   |
| 4376 | Cellular Network Infrastructure | Feature | New    | Normal   | Define distinct X timer numbers across all osmo programs   |          | 01/23/2020 09:21 PM |                                   |
| 4374 | OsmoMSC                         | Feature | New    | Normal   | send GSUP PurgeMS Request (CN-Domain = CS) to the HLR upon IMSI-Detach                               |          | 01/23/2020 03:19 AM |                                   |
| 4363 | Distributed GSM                 | Feature | New    | Low      | mslookup_client_mdns_test: add stubs, so it works without multicast                                  |          | 04/28/2020 02:55 PM | Related to #4363                  |
| 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                  |

| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|---------------------------------|---------|--------|----------|--|----------|---------------------|-----------------------------------|
| 4277 | Cellular Network Infrastructure | Feature | New    | Low      | implement an SMSC to work with OsmoMSC   |          | 11/22/2019 02:45 PM |                                   |
| 4242 | BBS-Revival                     | Feature | New    | Low      | offer CCC event schedule (Fahrplan) as gopher service                                    |          | 10/28/2019 09:22 AM |                                   |
| 4226 | Retronetworking                 | Feature | New    | Low      | STM-1 / USB interface?   |          | 01/30/2022 10:14 AM |                                   |
| 4196 | OsmoMSC                         | Feature | New    | Normal   | CC Setup, Call Confirmed: decode and use the Supported Codec List IE                     |          | 09/25/2019 05:27 PM |                                   |
| 4189 | OsmoBSC                         | Feature | New    | Low      | TTCN-3 tests for load-based hand-over in BSC   |          | 09/04/2019 09:10 AM | Related to #4189                  |
| 4150 | OsmoMGW                         | Feature | New    | Low      | dead code / If an MDCX omits SDP, all codec config might be cleared                      |          | 08/13/2019 11:01 PM |                                   |
| 4128 | OsmoHNBGW                       | Feature | New    | Low      | Add support of Huawei hNodeB protocol  |          | 07/24/2019 03:39 PM |                                   |
| 4124 | OsmoBSCNAT                      | Feature | New    | Normal   | OsmoBSCNAT : Write user manual   |          | 01/08/2020 10:56 PM | Related to #4124                  |
| 4103 | libosmocore                     | Feature | New    | Low      | TUAK support as per 3GPP TS 35.231   |          | 03/24/2021 12:33 PM |                                   |
| 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 |
| 4033 | OsmoGGSN (former OpenGGSN)      | Feature | New    | Normal   | ttn3-ggsn-test: Add tests to verify secondary pdp context management                     |          | 05/30/2019 03:19 PM |                                   |
| 4014 | OsmoBTS                         | Feature | New    | Low      | Allow multiple [virtual] BTS instances on same [SDR] hardware that supports multiple TRX |          | 05/21/2019 12:07 PM |                                   |
| 3988 | OsmoMSC                         | Feature | New    | Low      | change the remaining DEBUGP() statements to LOG_MSC_A() / LOG_MSC_A_CAT()                |          | 05/08/2019 03:26 PM |                                   |
| 3987 | libosmocore                     | Feature | New    | Low      | introduce libosmocore_init() to replace individual initialization calls                  |          | 05/08/2019 03:03 PM | Related to #3987                  |
| 3962 | OsmoTRX                         | Feature | New    | Low      | osmo-trx: Use gcc attribute no_sanitize to run fine with ASan enabled                    |          | 08/26/2019 02:04 PM |                                   |
| 3845 | libosmocore                     | Feature | New    | Low      | Unified logging in Gb NS / BSSGP code  |          | 03/16/2019 02:33 PM |                                   |
| 3831 | OsmoBSC                         | Feature | New    | Low      | BSC support for "network sharing" via MOCN   |          | 01/20/2021 10:03 AM | Related to #4473                  |
| 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 |                                   |
| 3755 | OsmoMSC                         | Feature | New    | Low      | make retrieval of IMEISV configurable  |          | 05/07/2019 12:28 PM | Related to #3755                  |
| 3738 | OsmoMSC                         | Feature | New    | Normal   | Clarify PS-part of struct vlr_subscr   |          | 12/19/2018 12:34 PM |                                   |
| 3732 | OsmoHLR                         | Feature | New    | Low      | Support tacdb query in HLR   |          | 07/18/2019 06:12 AM | Related to #3732                  |
| 3688 | OsmoSGSN                        | Feature | New    | Low      | move generic gtpub code to libosmocore   |          | 04/15/2019 07:29 AM |                                   |
| 3687 | OsmoMSC                         | Feature | New    | Normal   | Expand "show bsc" command  |          | 11/11/2018 09:50 PM |                                   |
| 3670 | Cellular Network Infrastructure | Feature | New    | Low      | TTCN-3 tests for statsd exporter code  |          | 09/04/2019 09:03 AM |                                   |
| 3658 | Cellular Modem Information      | Feature | New    | Low      | Create a "osmocom-bb-host-latest" docker container                                       |          | 12/01/2019 09:07 AM | Related to #3658                  |
| 3649 | OsmoHLR                         | Feature | New    | Low      | Investigate LMDB as HLR data storage   |          | 10/12/2018 11:35 AM | Related to #3649                  |



| #    | Project       | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                                     |
|------|---------------|---------|--------|----------|---|----------|---------------------|--|
| 3648 | OsmoMSC       | Feature | New    | Low      | persistent VLR (across re-starts of osmo-msc / across power outage)   |          | 05/17/2022 05:39 PM | Related to #3649                                   |
| 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 |
| 3609 | OsmoSTP       | Feature | New    | Low      | Support for C-Link  |          | 10/03/2018 08:58 AM |  |
| 3607 | OsmoSTP       | Feature | New    | Normal   | Support for capability point codes  |          | 10/03/2018 08:58 AM |  |
| 3606 | OsmoSTP       | Feature | New    | Normal   | Support for multiple NI (network indicator)   |          | 10/03/2018 08:58 AM |  |
| 3605 | OsmoSTP       | Feature | New    | Normal   | Global Title Translation  |          | 07/18/2019 05:15 AM |  |
| 3604 | OsmoSTP       | Feature | New    | Normal   | Global Title Routing  |          | 07/18/2019 05:15 AM |  |
| 3603 | OsmoSTP       | Feature | New    | Low      | M2PA support  |          | 10/03/2018 08:58 AM | Related to #3603                                   |
| 3602 | OsmoSTP       | Feature | New    | Low      | M2UA support  |          | 09/30/2018 08:00 AM |  |
| 3596 | gr-osmosdr    | Feature | New    | Normal   | TX Tags   |          | 09/25/2018 04:01 PM |  |
| 3595 | gr-osmosdr    | Feature | New    | Normal   | RX Tags   |          | 09/25/2018 04:01 PM |  |
| 3594 | gr-osmosdr    | Feature | New    | Normal   | Message Commands  |          | 09/25/2018 03:59 PM |  |
| 3564 | OsmoGSMTester | Feature | New    | Normal   | Investigate ofono and modems Cell Broadcast support   |          | 01/08/2020 10:42 PM | Related to #3564                                   |
| 3501 | SIMtrace 2    | Feature | New    | Low      | Multi-sim addon board idea  |          | 08/28/2018 03:00 PM |  |
| 3486 | OsmoBSC       | Feature | New    | Low      | handover decision: congestion: figure out the tradeoff: re-assign within same cell vs. handover to another cell                           |          | 10/16/2018 01:16 PM | Related to #3486,Related to #3638                  |
| 3485 | OsmoBSC       | Feature | New    | Low      | handover to make room for a less capable subscriber   |          | 10/16/2018 01:16 PM | Related to #3485                                   |
| 3484 | OsmoBSC       | Feature | New    | Low      | handover decision: if rxlev is ok but rxqual is bad, move to different timeslot with same TCH kind to avoid interference                  |          | 10/16/2018 01:30 PM |  |
| 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                                   |
| 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                  |
| 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                  |
| 3479 | OsmoBSC       | Feature | New    | Normal   | test "every single failure" in osmo-bsc FSMs  |          | 08/20/2018 11:15 AM | Related to #3479                                   |
| 3470 | OsmoMSC       | Feature | New    | Low      | Allow sending "Emergency Number List IE" in LU ACCEPT   |          | 09/01/2018 08:18 PM | Related to #3470                                   |
| 3469 | OsmoMSC       | Feature | New    | Low      | Support for "service category" in emergency calls   |          | 08/24/2018 12:48 PM | Related to #3470                                   |
| 3387 | OsmocomBB     | Feature | New    | Low      | osmocon: Use libosmocore logging system   |          | 10/05/2018 04:21 PM |  |
| 3345 | OsmoTRX       | Feature | New    | Low      | merge ms branch   |          | 06/13/2018 07:16 PM |  |
| 3344 | OsmoTRX       | Feature | New    | Normal   | merge tsou/siggen   |          | 06/13/2018 07:26 PM |  |

| #    | Project                         | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                     |
|------|---------------------------------|---------|--------|----------|--|----------|---------------------|------------------------------------|
| 3330 | OsmoBSC                         | Feature | New    | Normal   | osmo-bsc: Implement IMMEDIATE ASSIGNMENT EXTENDED  |          | 06/08/2018 12:14 PM | Related to #3330                   |
| 3329 | OsmoBTS                         | Feature | New    | Normal   | osmo-bts: Implement IMMEDIATE ASSIGNMENT EXTENDED  |          | 06/08/2018 12:02 PM | Related to #3330                   |
| 3309 | libosmocore                     | Feature | New    | Normal   | osmo_timer_* should use monotonic clock  |          | 05/31/2018 03:59 PM | Related to #3309                   |
| 3280 | OsmocomBB                       | Feature | New    | Low      | Multiparty SS support in OsmocomBB   |          | 05/22/2018 07:40 AM |                                    |
| 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                   |
| 3207 | OsmoMGW                         | Feature | New    | Low      | Support for RTP Payload Format according to "ETSI TS 101 318"                                      |          | 04/24/2018 03:53 PM |                                    |
| 3142 | Cellular Network Infrastructure | Feature | New    | Low      | Further simplification of "NITB like" setups   |          | 04/05/2018 08:09 PM |                                    |
| 3097 | OsmoBSC                         | Feature | New    | Normal   | ramping of "rxlev access min"  |          | 03/22/2018 11:51 AM | Related to #3097                   |
| 3038 | multi-voltage USB UART          | Feature | New    | Normal   | Add mounting holes?  |          | 03/07/2018 02:12 AM |                                    |
| 3033 | OsmoTRX                         | Feature | New    | Low      | Split wiki page into multiple smaller pages  |          | 03/05/2018 11:28 AM |                                    |
| 3019 | OsmoHLR                         | Feature | New    | Low      | add config for number of auth tuples returned  |          | 06/23/2018 06:58 PM |                                    |
| 2918 | OsmoBSC                         | Feature | New    | Low      | Implement a function to properly test connection clearing in MSC_ConnectionHandler.tcn (BSC-Tests) |          | 01/08/2020 10:21 PM |                                    |
| 2913 | OsmocomBB                       | Feature | New    | Low      | Add a tool that decodes Cell Broadcasts (SMSCB)  |          | 09/29/2018 09:31 AM | Related to #3564                   |
| 2878 | OsmoMSC                         | Feature | New    | Low      | OsmoMSC support for "Follow-on request/proceed"  |          | 01/26/2018 09:11 PM |                                    |
| 2861 | OsmoGSMTester                   | Feature | New    | Normal   | osmo-gsm-tester: Add 3g support for sysmocell-5k   |          | 12/02/2019 01:36 PM | Related to #2860                   |
| 2832 | OsmoMSC                         | Feature | New    | Low      | MNCC doesn't include field for "supported codecs"  |          | 01/16/2018 07:00 AM | Related to #2832, Related to #1683 |
| 2827 | OsmoBTS                         | Feature | New    | Low      | would be nice if logging of the BTS number in osmo-bts matched the BTS number used in osmo-bsc     |          | 06/23/2018 06:48 PM |                                    |
| 2815 | linmodem                        | Feature | New    | Normal   | modern ptmx / pty handling (UNIX 98)   |          | 01/01/2018 02:48 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 |                                    |
| 2806 | UUCP and UseNet                 | Feature | New    | Low      | Create Dockerfile and/or ansible playbook for UseNet node  |          | 01/01/2018 01:04 PM |                                    |
| 2804 | linmodem                        | Feature | New    | Low      | DAHDI interface  |          | 01/01/2018 12:27 PM |                                    |
| 2802 | linmodem                        | Feature | New    | Low      | report the connected speed in "CONNECT" message  |          | 01/01/2018 12:18 PM |                                    |
| 2801 | linmodem                        | Feature | New    | Normal   | V.90 completion  |          | 01/01/2018 12:18 PM |                                    |
| 2800 | linmodem                        | Feature | New    | Normal   | Interop testing with real modems   |          | 01/01/2018 12:16 PM |                                    |
| 2799 | linmodem                        | Feature | New    | Normal   | SIP client support   |          | 01/01/2020 08:05 PM |                                    |
| 2798 | linmodem                        | Feature | New    | Normal   | ALSA Soundcard Support   |          | 01/01/2018 12:02 PM |                                    |
| 2712 | libosmocore                     | Feature | New    | Low      | implement reproducible talloc context printout, i.e. without memory addresses                      |          | 01/08/2020 10:21 PM | Related to #2781                   |

| #    | Project                    | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                                     |
|------|----------------------------|---------|--------|----------|---|----------|---------------------|--|
| 2707 | OsmoGSMTester              | Feature | New    | Normal   | Add support for verifying content of log files after test is run                  |          | 12/04/2017 05:05 PM |  |
| 2702 | OsmoMGW                    | Feature | New    | Low      | libosmo-mgcp doesn't use osmo_sock_API  |          | 12/03/2017 09:42 AM |  |
| 2697 | osmo-qcdiag                | Feature | New    | Normal   | Create and add debian packages for osmo-qcdiag to osmocom debian repositories     |          | 11/30/2017 06:03 PM |  |
| 2651 | OsmoMGW                    | Feature | New    | Low      | Support MGCP Piggybacking   |          | 11/18/2017 05:44 PM |  |
| 2646 | OsmoGSMTester              | Feature | New    | Normal   | osmo-gsm-tester: Add osmo-sip-connector support                                   |          | 04/23/2018 10:40 AM |  |
| 2612 | OsmoGSMTester              | Feature | New    | Low      | Allow skipping pcaps by configuration if access to tcpdump is not wanted          |          | 04/06/2020 11:25 AM |  |
| 2610 | libosmocore                | Feature | New    | Low      | optimize GnuTLS fallback  |          | 05/01/2018 04:07 PM | Related to #2610,Related to #3909                  |
| 2580 | OsmoMGW                    | Feature | New    | Low      | implement timeout/resend mechanism for mgcp_client                                |          | 09/04/2019 09:26 AM |  |
| 2567 | OsmoHLR                    | Feature | New    | Low      | tell the MSC(s) when subscriber data has changed                                  |          | 10/11/2017 01:50 AM |  |
| 2546 | OsmoMGW                    | Feature | New    | Low      | support play-out/announcement endpoint type                                       |          | 10/06/2017 12:30 PM |  |
| 2494 | OsmoGGSN (former OpenGGSN) | Feature | New    | Low      | IPv6 support on the outer (transport) layer                                       |          | 02/06/2021 12:09 PM |  |
| 2468 | OsmoGSMTester              | Feature | New    | Low      | ofono: gobi modem doesn't support ofono SupplementaryServices interface           |          | 01/08/2020 10:51 PM |  |
| 2462 | OsmoBSC                    | Feature | New    | Low      | clarify lchan->encr.alg_id  |          | 08/24/2017 01:27 PM | Related to #2462                                   |
| 2436 | OsmoHNBGW                  | Feature | New    | Low      | Test cases for asn1c APER encoding  |          | 01/08/2020 10:56 PM | Related to #2435,Related to #2436,Related to #3862 |
| 2432 | OsmoGSMTester              | Feature | New    | Low      | ofono: Find out how to receive Status / Delivery report                           |          | 01/08/2020 10:51 PM |  |
| 2430 | OsmoTRX                    | Feature | New    | Low      | osmo-trx support bladerf  |          | 02/14/2023 01:39 PM | Is duplicate of #2430,Is duplicate of #2430        |
| 2411 | OsmoMGW                    | Feature | New    | Low      | No support for RTP dynamic payload types - AMR/HR/EFR payload types are hardcoded |          | 03/05/2018 07:04 PM |  |
| 2405 | OsmoPCU                    | Feature | New    | Low      | RLC/MAC encoding routines don't use bitvec L/H                                    |          | 07/29/2017 09:01 AM |  |
| 2399 | OsmoGSMTester              | Feature | New    | Normal   | add tests for graceful restart of individual components                           |          | 07/25/2017 12:02 AM |  |
| 2391 | OsmoMSC                    | Feature | New    | Low      | add osmocom specific TLVs to A-interface for BTS/TS and subscriber details        |          | 10/02/2018 03:40 PM |  |
| 2390 | OsmoMSC                    | Feature | New    | Normal   | re-add osmocom specific TLVs to SMPP messages                                     |          | 12/23/2017 05:48 PM |  |
| 2379 | OsmocomBB                  | Feature | New    | Normal   | package as .deb   |          | 02/27/2020 02:39 PM |  |
| 2378 | OsmocomBB                  | Feature | New    | Normal   | Remove copy-pasted libosmocore ("git subtree") from osmocom-bb.git                |          | 10/24/2018 02:13 PM |  |
| 2374 | OsmoGSMTester              | Feature | New    | Normal   | osmo-gsm-tester: add test case: sms between MS with delivery report               |          | 08/10/2017 04:37 PM |  |

| #    | Project                      | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|------------------------------|---------|--------|----------|---|----------|---------------------|-----------------------------------|
| 2366 | OsmoBTS                      | Feature | New    | Low      | OsmoBTS lacks EXTENDED BCCH support   |          | 07/15/2017 10:42 AM | Related to #1575,Related to #2014 |
| 2318 | OsmoGSMTester                | Feature | New    | Normal   | testing sysmobts: skip copying of binaries when the same are already installed        |          | 06/07/2017 03:55 PM |                                   |
| 2314 | OsmoGSMTester                | Feature | New    | Normal   | osmo-gsm-tester: add test case: smpp: correct ESME routing                            |          | 05/31/2017 04:29 PM |                                   |
| 2313 | OsmoGSMTester                | Feature | New    | Normal   | osmo-gsm-tester: add test case: smpp: imsi extension                                  |          | 05/31/2017 04:27 PM |                                   |
| 2311 | OsmoGSMTester                | Feature | New    | Normal   | osmo-gsm-tester: add test case: smpp: smpp_first feature                              |          | 05/31/2017 04:21 PM |                                   |
| 2288 | OsmoGSMTester                | Feature | New    | Low      | logging: print in a short way which resource is being reserved and used               |          | 05/23/2017 02:25 PM |                                   |
| 2287 | OsmoGSMTester                | Feature | New    | Low      | processes launched by gsmtester: store command lines called next to stdout and stderr |          | 05/23/2017 12:11 PM |                                   |
| 2271 | OsmoGSMTester                | Feature | New    | Low      | add test names to pick to the -s cmdline option                                       |          | 05/18/2017 12:32 PM |                                   |
| 2266 | OsmoGSMTester                | Feature | New    | Normal   | in the gsm tester, use ipa.py from openbsc instead of the current CTRL implementation |          | 10/16/2017 12:36 PM |                                   |
| 2230 | OsmoGSMTester                | Feature | New    | Normal   | osmo-gsm-tester: arfcn as resource  |          | 12/14/2017 04:08 PM | Related to #2230                  |
| 2225 | OsmoGSMTester                | Feature | New    | Low      | tester nitb: connect ctrl interface only once   |          | 05/15/2017 12:58 PM |                                   |
| 2224 | SDR (Software Defined Radio) | Feature | New    | Normal   | New Fospor Benchmark Performance  |          | 05/04/2017 01:23 PM |                                   |
| 2209 | OsmoGSMTester                | Feature | New    | Low      | osmo-gsm-tester: add test API to explicitly free a resource                           |          | 05/19/2017 11:01 AM | Related to #2208                  |
| 2208 | OsmoGSMTester                | Feature | New    | Low      | osmo-gsm-tester: allow running binaries for a whole suite, or only for a single test  |          | 05/30/2017 01:07 PM | Related to #2208                  |
| 2200 | OsmoGSMTester                | Feature | New    | Low      | osmo-gsm-tester: allow collecting statistics / KPI of a test case                     |          | 04/06/2020 04:57 PM | Related to #2201                  |
| 2196 | OsmoGSMTester                | Feature | New    | Low      | libmsc ctrl interface: add CTRL command to query a single subscriber's attached state |          | 05/15/2017 12:58 PM |                                   |
| 2191 | OsmoMSC                      | Feature | New    | Normal   | raw PDU mode for SMPP   |          | 12/23/2017 05:48 PM |                                   |
| 2186 | libosmocore                  | Feature | New    | Low      | split libosmocrypto   |          | 10/05/2017 06:25 AM |                                   |
| 2175 | OP25                         | Feature | New    | High     | Update code for GNURadio 3.6 and later  |          | 04/22/2017 04:14 PM |                                   |
| 2173 | OP25                         | Feature | New    | High     | Remove dependency on ET++   |          | 04/22/2017 04:14 PM |                                   |
| 2171 | OP25                         | Feature | New    | High     | Use libfftw3 for IFFT/FFT functions.  |          | 04/22/2017 04:14 PM |                                   |
| 2167 | OP25                         | Feature | New    | High     | Implement Encryption/Decryption P25 blocks  |          | 04/22/2017 04:15 PM |                                   |
| 2166 | OP25                         | Feature | New    | High     | Add support for Max's I/Q 455khz downconverter  |          | 04/22/2017 04:15 PM |                                   |
| 2160 | OP25                         | Feature | New    | High     | Add "datascope" to usrp_p25_rx.py   |          | 04/22/2017 04:16 PM |                                   |
| 2158 | OP25                         | Feature | New    | High     | Create a shared library for decoding for WireShark and the decoder.                   |          | 04/22/2017 04:16 PM |                                   |
| 2157 | OP25                         | Feature | New    | High     | Fix "traffic" tab so it displays data for non-HDU data units                          |          | 04/22/2017 04:16 PM |                                   |
| 2156 | OP25                         | Feature | New    | High     | Implement forward error correction for HDU.   |          | 04/22/2017 04:16 PM |                                   |
| 2155 | OP25                         | Feature | New    | High     | Replace FSK4 demodulation with IQ demodulator stage.                                  |          | 04/22/2017 04:16 PM |                                   |

| #    | Project                               | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                         |
|------|---------------------------------------|---------|--------|----------|--|----------|---------------------|--|
| 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                       |
| 2009 | libosmo-sccp + libosmo-sigtran        | Feature | New    | Low      | Implement SCCP connection coupling ("proxy")   |          | 04/10/2017 12:09 PM |  |
| 2008 | libosmo-sccp + libosmo-sigtran        | Feature | New    | Low      | Implement Global Title Translation   |          | 04/10/2017 12:05 PM |  |
| 2007 | libosmo-sccp + libosmo-sigtran        | Feature | New    | Low      | Implement GT based routing   |          | 04/10/2017 12:04 PM |  |
| 2006 | libosmo-sccp + libosmo-sigtran        | Feature | New    | Low      | Implement M2PA support   |          | 02/10/2024 01:17 PM | Related to #3603                       |
| 2003 | libosmo-sccp + libosmo-sigtran        | Feature | New    | Low      | Implement M2UA support   |          | 04/10/2017 12:01 PM |  |
| 2000 | libosmo-sccp + libosmo-sigtran        | Feature | New    | Low      | use m3ua-testtool for the ASP-side verification  |          | 07/18/2019 05:42 AM |  |
| 1997 | OsmoHNBGW                             | Feature | New    | Normal   | Improve error check at compilation time  |          | 10/21/2021 04:28 PM |  |
| 1987 | libosmocore                           | Feature | New    | Normal   | gcov code coverage test support  |          | 12/01/2019 01:42 PM | Related to #1987,Is duplicate of #1987 |
| 1974 | OsmoMSC                               | Feature | New    | Low      | VLR: high water mark on subscriber storage   |          | 05/15/2022 01:45 PM | Related to #1973                       |
| 1973 | OsmoMSC                               | Feature | New    | Low      | VLR: efficient subscriber lookup   |          | 07/18/2019 06:15 AM | Related to #1973                       |
| 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                       |
| 1926 | OsmoBTS                               | Feature | New    | Low      | unify *_mgr code   |          | 07/18/2019 06:08 AM |  |
| 1903 | OsmoPCU                               | Feature | New    | Low      | convert c++ -> c   |          | 03/23/2020 10:48 PM |  |
| 1902 | OsmoBTS                               | Feature | New    | Low      | unify/refactor dynamic timeslot code   |          | 01/08/2020 10:56 PM | Related to #1902,Related to #3099      |
| 1901 | osmo-qcdiag                           | Feature | New    | Normal   | osmo-qcdiag: Ability to read/write NV data   |          | 01/11/2017 12:15 PM |  |
| 1900 | osmo-qcdiag                           | Feature | New    | Normal   | osmo-qcdiag: Add FUSE based access for EFS   |          | 01/11/2017 12:15 PM |  |
| 1872 | libosmocore                           | Feature | New    | Low      | high-performance remote logging  |          | 03/24/2021 12:36 PM |  |
| 1858 | OsmoBSC                               | Feature | New    | Normal   | make BSC also generate ALERTs  |          | 12/10/2017 07:59 PM |  |
| 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      |
| 1837 | OsmoBTS                               | Feature | New    | Low      | autogenerate dtx_dl_amr_fsm.*  |          | 03/01/2018 11:17 PM |  |
| 1832 | Linux Kernel GTP-U                    | Feature | New    | Normal   | OpenvSwitch GTP-u patch for 2.5  |          | 10/27/2016 08:56 AM |  |
| 1815 | Qualcomm Linux Modems by Quectel & Co | Feature | New    | Normal   | tool for building binary ipk from .list/.control   |          | 10/02/2016 05:06 AM |  |

| #    | Project                               | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues  |
|------|---------------------------------------|---------|--------|----------|---|----------|---------------------|---|
| 1814 | Qualcomm Linux Modems by Quectel & Co | Feature | New    | Low      | check if qtools work  |          | 10/02/2016 04:08 AM |   |
| 1812 | OsmoNITB                              | Feature | New    | Normal   | Report gsm0408_dispatch() failures to MS / UE   |          | 01/08/2020 10:56 PM |   |
| 1771 | OsmoBTS                               | Feature | New    | Low      | osmo-bts-trx: clarify check_transceiver_availability()                                    |          | 03/01/2018 11:17 PM | Related to #1770  |
| 1755 | OsmoBTS                               | Feature | New    | Low      | osmo-bts-sysmo L1: unify hLayer3 handling   |          | 02/02/2017 04:00 PM | Related to #1755  |
| 1716 | libosmocore                           | Feature | New    | Normal   | enhance unit test coverage  |          | 08/17/2016 03:57 PM | Related to #1987,Precedes #1717                                     |
| 1692 | OsmoBTS                               | Feature | New    | Low      | clock source monitoring   |          | 04/13/2016 09:49 AM |   |
| 1688 | libosmo-sccp + libosmo-sigtran        | Feature | New    | Low      | SUA: support N-STATE indication primitives for connect and disconnect events              |          | 04/08/2018 07:59 AM |   |
| 1687 | osmo-sip-connector                    | Feature | New    | Low      | osmo-sip-connector: Explore 3-way conference call   |          | 01/08/2020 10:56 PM |   |
| 1686 | osmo-sip-connector                    | Feature | New    | Normal   | osmo-sip-connector: Implement call holding on SIP   |          | 10/20/2020 08:36 AM |   |
| 1667 | OsmoNITB                              | Feature | New    | Normal   | Handle callref better   |          | 09/04/2019 09:31 AM | Related to #3294  |
| 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 |   |
| 1643 | OsmoHLR                               | Feature | New    | Low      | programmatic access to new asynchronous external HLR                                      |          | 12/10/2017 08:06 PM | Related to #1643,Blocks #1643                                       |
| 1613 | OsmoBSC                               | Feature | New    | Low      | make BTS/TRX configuration changes without having to drop BTS OML link                    |          | 12/10/2017 08:06 PM |   |
| 1603 | OsmoMSC                               | Feature | New    | Low      | Interfacing the MSC with other networks: Roaming interfaces / MAP                         |          | 07/18/2019 06:13 AM |   |
| 1600 | OsmoBSC                               | Feature | New    | Low      | BSC: Make SI / rest octests more configurable   |          | 12/10/2017 08:04 PM |   |
| 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 |
| 1598 | Cellular Network Infrastructure       | Feature | New    | Low      | Scripting language interface  |          | 12/10/2017 08:04 PM |   |
| 1596 | Cellular Network Infrastructure       | Feature | New    | Low      | Generation of accounting/billing data   |          | 12/10/2017 08:03 PM |   |
| 1590 | Cellular Network Infrastructure       | Feature | New    | Low      | Extension of Control Interface / external SNMP agent                                      |          | 07/18/2019 05:22 AM |   |
| 1588 | OsmoSGSN                              | Feature | New    | Normal   | Inter-RAT hand-over   |          | 02/23/2016 03:46 PM |   |
| 1586 | OsmoSGSN                              | Feature | New    | Normal   | Implement QoS profile support   |          | 02/23/2016 03:45 PM |   |
| 1585 | OsmoSGSN                              | Feature | New    | Low      | Gn interface for inter-SGSN MM Context transfer   |          | 09/22/2023 02:42 PM | Related to #5759,Related to #6294,Is duplicate of #1585             |

| #    | 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 |
| 1579 | OsmoBTS     | Feature | New    | Low      | Use epoll   |          | 01/15/2021 01:44 PM |  |
| 1576 | OsmoBTS     | Feature | New    | Low      | consider using hLayer2 as a pointer storage                     |          | 02/02/2017 04:11 PM | Related to #1755                                   |
| 1573 | OsmoBTS     | Feature | New    | Low      | ENHANCED MEASUREMENT REPORT                                     |          | 07/19/2021 04:13 PM |  |
| 1571 | OsmoBTS     | Feature | New    | Low      | Support RTP multiplexing instead of per-call RTP streams        |          | 02/23/2016 03:32 PM |  |
| 1570 | OsmoBTS     | Feature | New    | Low      | Select RTP payload identifier based on requested speech mode    |          | 02/23/2016 03:31 PM |  |
| 1561 | OsmoBTS     | Feature | New    | Low      | Multi-TRX support (one osmo-bts process per TRX)                |          | 02/23/2016 03:18 PM |  |
| 1560 | OsmoPCU     | Feature | New    | High     | EDGE benchmarking / performance optimization / tuning           |          | 01/08/2020 10:31 PM |  |
| 1555 | OsmoPCU     | Feature | New    | Low      | Add support for unacknowledged RLC Mode                         |          | 01/22/2020 02:59 PM |  |
| 1554 | OsmoPCU     | Feature | New    | Normal   | per-MS BSSGP flow control                                       |          | 02/23/2016 03:12 PM | Related to #1554                                   |
| 1549 | OsmoPCU     | Feature | New    | Normal   | DRX support for GPRS  |          | 02/04/2017 08:11 AM | Related to #1942                                   |
| 1547 | OsmoPCU     | Feature | New    | Normal   | downlink power control on PDTCH                                 |          | 02/23/2016 03:04 PM |  |
| 1546 | OsmoPCU     | Feature | New    | Low      | closed loop uplink power control                                |          | 09/30/2020 08:05 PM |  |
| 1543 | OsmoPCU     | Feature | New    | Normal   | link/rate adaption as per spec                                  |          | 01/08/2020 10:43 PM | Related to #1543,Related to #1543                  |
| 1537 | OsmoPCU     | Feature | New    | Low      | Move the BSSGP handling to libosmocore                          |          | 03/01/2018 11:17 PM | Related to #1537,Related to #2388                  |
| 1530 | OsmoPCU     | Feature | New    | Low      | Assign same TFI number in downlink/uplink                       |          | 01/26/2020 08:50 AM |  |
| 1518 | UmTRX       | Feature | New    | Normal   | Upper limit of the clock is too low                             |          | 02/19/2016 10:52 PM |  |
| 1517 | UmTRX       | Feature | New    | Normal   | U_FL (UMC) connectors are not reliable after few connections    |          | 02/19/2016 10:52 PM |  |
| 1516 | UmTRX       | Feature | New    | Normal   | There are no port to control external equipment like PA         |          | 02/19/2016 10:52 PM |  |
| 1515 | UmTRX       | Feature | New    | Normal   | Heat dissipation and mounting issue                             |          | 02/19/2016 10:52 PM |  |
| 1511 | UmTRX       | Feature | New    | Normal   | Solve Tx and Rx I/Q imbalance for wideband signals              |          | 02/19/2016 10:52 PM |  |
| 61   | OsmoBTS     | Feature | New    | Low      | osmo-bts: split TRAU/RTP frame handling into separate process   |          | 06/13/2016 01:16 PM |  |
| 39   | OsmoBSC     | Feature | New    | Low      | Logging filter on bts/trx or such                               |          | 06/08/2020 07:07 PM |  |
| 33   | OsmoSGSN    | Feature | New    | Low      | real LLC implementation with fragmentation and re-transmissions |          | 11/09/2016 09:45 AM |  |
| 25   | OsmoMSC     | Feature | New    | Low      | Call HOLD / RETRIEVE support for internal MNCC                  |          | 08/01/2019 03:06 PM |  |
| 18   | OsmoNITB    | Feature | New    | Low      | store last location identity to database                        |          | 05/24/2018 01:15 PM |  |
| 6441 | OsmoSGSN    | Bug     | New    | Normal   | use-after-free on RAU with invalid Old RAI                      |          | 04/22/2024 01:23 PM | Related to #6441                                   |
| 6438 | libosmocore | Bug     | New    | Normal   | write_config_file() calls blocking sync()                       |          | 04/26/2024 09:15 AM |  |

| #    | Project                               | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                                 |
|------|---------------------------------------|---------|--------|----------|--|----------|---------------------|--|
| 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 |  |
| 6427 | OsmoMSC                               | Bug     | New    | Normal   | ttcn3-msc-test: TC_mo_ussd_for_unknown_trans fails sporadically  |          | 04/02/2024 03:01 PM | Related to #6427                               |
| 6420 | OsmoGGSN (former OpenGGSN)            | Bug     | New    | Low      | osmo-ggsn + pre-configured tun device seems to be broken with kernel gtp-u   |          | 03/26/2024 11:43 AM |  |
| 6419 | OsmoGGSN (former OpenGGSN)            | Bug     | New    | Low      | osmo-ggsn removes tun devices it did not create  |          | 03/26/2024 11:26 AM |  |
| 6418 | pySim                                 | Bug     | New    | Normal   | osmo-smdpp docs  |          | 03/25/2024 05:54 PM |  |
| 6410 | libosmocore                           | Bug     | New    | Normal   | osmo_io poll backend doesn't work on file descriptors that are not sockets   |          | 03/19/2024 07:33 PM |  |
| 6398 | pySim                                 | Bug     | New    | Normal   | Add helper for SwMatchError  |          | 03/09/2024 09:34 PM |  |
| 6380 | OsmoHNBGW                             | Bug     | New    | Normal   | VTY transcript tests are broken [again]  |          | 02/28/2024 06:57 PM |  |
| 6374 | libosmocore                           | Bug     | New    | Normal   | libosmocore --disable-libsctp not tested by jenkins  |          | 02/23/2024 03:47 PM |  |
| 6372 | OsmocomBB SDR PHY                     | Bug     | New    | Normal   | Cant connect to BS using cell_log and mobile   |          | 02/22/2024 07:13 AM |  |
| 6360 | libosmocore                           | Bug     | New    | Normal   | libosmovty fails to parse commands like "test (foo bar [(one two three)])"   |          | 02/14/2024 09:25 PM |  |
| 6337 | OsmocomBB                             | Bug     | New    | High     | bad fr audio with gapk/ms-sdr  |          | 01/22/2024 09:21 PM | Related to #6337                               |
| 6330 | OsmoMSC                               | Bug     | New    | Normal   | Incorrect handling of V.120 data calls   |          | 01/18/2024 03:02 PM | Related to #6344                               |
| 6329 | rtl-sdr                               | Bug     | New    | Normal   | rtl_sdr does not have correct rpath set on OSX build   |          | 01/12/2024 09:57 PM |  |
| 6328 | OsmoBSC                               | Bug     | New    | Normal   | Channel Mode Modify fails to modify the RTP payload type number  |          | 01/12/2024 06:24 AM | Related to #6328                               |
| 6323 | OP25                                  | Bug     | New    | Normal   | Install script is broken on Ubuntu 23.10   |          | 01/05/2024 07:54 PM |  |
| 6322 | pySim                                 | Bug     | New    | Low      | ATR type annotation  |          | 01/03/2024 09:55 PM |  |
| 6321 | OsmoMSC                               | Bug     | New    | Low      | SMS not delivered from corrupted SMS database  |          | 01/02/2024 01:07 PM |  |
| 6314 | pySim                                 | Bug     | New    | Low      | pySim-trace doesn't support ARA-M  |          | 12/23/2023 09:36 AM |  |
| 6312 | OsmoHLR                               | Bug     | New    | Normal   | Querying HLR for MSISDN-to-IMSI mapping is too cumbersome and inefficient  |          | 12/21/2023 06:52 AM | Related to #6312                               |
| 6297 | OsmoMGW                               | Bug     | New    | Normal   | octet-align=0 is the RFC 6871 specified default to use when omitted; but osmo-mgw assumes don't-care when omitted                                |          | 12/12/2023 02:12 AM | Is duplicate of #5726                          |
| 6293 | OsmoMGW                               | Bug     | New    | Normal   | osmo-mgw "decides" for a codec during MGCP handling; instead it should handle all configured payload type numbers as they arrive in RTP          |          | 12/07/2023 05:52 AM | Related to #6293,Related to #6293,Blocks #6136 |
| 6283 | OsmoHNBGW                             | Bug     | New    | Normal   | cnpool: hnbgw fails to extract Mobile Identity from some GMM Attach Request messages   |          | 12/04/2023 01:48 AM |  |
| 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                               |
| 6255 | OsmoDia2GSUP                          | Bug     | New    | Normal   | Implement 3GPP Purge UE Request  |          | 11/10/2023 01:29 PM |  |



| #    | Project                         | Tracker | Status | Priority | Subject   | Assignee | Updated             | Related issues                    |
|------|---------------------------------|---------|--------|----------|---|----------|---------------------|-----------------------------------|
| 6201 | OsmocomBB                       | Bug     | New    | Normal   | modem: signal proper MS Radio Access Capability   |          | 10/04/2023 12:34 PM | Related to #6201                  |
| 6176 | OsmoSGSN                        | Bug     | New    | Low      | build failure (dependency / concurrency issue)  |          | 09/13/2023 03:14 PM |                                   |
| 6129 | Miscellaneous Projects          | Bug     | New    | Normal   | Discourse: Setting a custom avatar via upload fails   |          | 08/02/2023 06:07 PM |                                   |
| 6126 | OsmoGSMTester                   | Bug     | New    | Normal   | osmo-gsm-tester docker container uses debian 10   |          | 08/01/2023 09:49 AM | Related to #6126                  |
| 6106 | OsmoGGSN (former OpenGGSN)      | Bug     | New    | Normal   | OsmoGGSN attempts to use the same GTP-U socket for all APNs with gtpu-mode kernel-gtp               |          | 02/21/2024 10:31 AM | Related to #6106,Related to #6106 |
| 6032 | rtl-sdr                         | Bug     | New    | Normal   | Poor APRS demodulation using RTL_FM on RaspberryPI or on old PC                                     |          | 05/15/2023 12:14 PM |                                   |
| 6029 | Core testing infrastructure     | Bug     | New    | Normal   | Single TTCN3 BSC handover test fails  |          | 10/18/2023 05:31 PM |                                   |
| 6009 | OsmoMSC                         | Bug     | New    | Normal   | omo-msc: lots of tlv_parse() calls in src/libmsc/gsm_04_08.c have no return code checked for errors |          | 04/19/2023 03:19 PM |                                   |
| 6007 | OsmoBSC                         | Bug     | New    | Normal   | network -> bts -> gprs nsvc will always create a nsvc node  |          | 04/17/2023 04:08 PM |                                   |
| 5995 | OsmoBTS                         | Bug     | New    | Low      | osmo-bts printing log line 'OC=GPRS-NSE(f0) INST=(00,ff,ff): Tx unknown 0xf6'                       |          | 10/18/2023 05:47 PM |                                   |
| 5985 | Cellular Network Infrastructure | Bug     | New    | Normal   | tests: not all Osmocom projects have @osmoappdesc.py@   |          | 03/29/2023 08:09 PM |                                   |
| 5895 | OsmoBTS                         | Bug     | New    | Low      | LC15: Audio Quality Problem sometime after cf7a7fceb625a14fd764355c3b96fa86c77458c                  |          | 03/20/2023 11:37 PM |                                   |
| 5869 | OsmoHNBGW                       | Bug     | New    | Normal   | osmo-hnbgw ignores HNBAP HNB De-Register  |          | 01/21/2023 01:52 AM |                                   |
| 5864 | libosmocore                     | Bug     | New    | Normal   | Libosmocore: Fix order of config parsing output   |          | 02/04/2023 05:21 PM |                                   |
| 5852 | OsmoSGSN                        | Bug     | New    | Normal   | osmo-sgsn: Keep TLLI<->NSEI+BVCI relation knowledge in BSSGP layer                                  |          | 01/11/2023 03:08 PM |                                   |
| 5851 | OsmoSGSN                        | Bug     | New    | Normal   | check if rate_ctr GMM_CTR_PKTS_UDATA_IN is correct increased in sgsn_gtp_data_req() func            |          | 01/10/2023 06:40 PM |                                   |
| 5844 | OsmoPCU                         | Bug     | New    | Normal   | pcu: ns: ip-sns: 2 local binds with a single remote is invalid                                      |          | 12/22/2022 09:59 PM |                                   |
| 5843 | OsmoBSC                         | Bug     | New    | Normal   | BTS features aren't reset after oml drop  |          | 12/22/2022 09:27 PM |                                   |
| 5842 | OsmoBSC                         | Bug     | New    | Normal   | ipa: investigate NSVC local and remote port configuration difference with wireshark dissector       |          | 12/22/2022 07:18 PM |                                   |
| 5837 | OsmoHNBGW                       | Bug     | New    | Normal   | osmo-iuh: UE-REGISTER-REQ with uE_Identity type IMEI not implemented.                               |          | 12/20/2022 03:43 PM |                                   |
| 5822 | OsmocomBB                       | Bug     | New    | Normal   | SE K2x0i: missing RF and AFC params   |          | 12/15/2022 11:36 PM |                                   |
| 5819 | Cellular Network Infrastructure | Bug     | New    | Low      | Gerrit/gitiles: Parent links don't work   |          | 12/08/2022 01:28 PM |                                   |
| 5818 | libosmocore                     | Bug     | New    | Normal   | multithreaded logging causes lock contention and needs a rework                                     |          | 01/10/2024 09:05 AM |                                   |
| 5773 | OsmoGGSN (former OpenGGSN)      | Bug     | New    | Normal   | OsmoGGSN sends Direct Tunnel packets to the wrong IP address  |          | 11/17/2022 04:17 AM |                                   |

| #    | Project                               | Tracker | Status | Priority  | Subject   | Assignee | Updated             | Related issues                                 |
|------|---------------------------------------|---------|--------|-----------|---|----------|---------------------|--|
| 5764 | Cellular Network Infrastructure       | Bug     | New    | Normal    | GCC does not check format strings in LOGPFSM macros   |          | 11/11/2022 06:30 AM |  |
| 5756 | libosmo-abis                          | Bug     | New    | Normal    | io_uring support in libosmo-abis  |          | 03/20/2024 03:58 PM | Related to #5756,Related to #6357,Blocks #5896 |
| 5750 | Cellular Network Infrastructure       | Bug     | New    | Normal    | contrib/jenkins.sh: build with -Wunused-macros and -Wundef  |          | 11/08/2022 08:07 PM |  |
| 5738 | Misc Hardware Projects                | Bug     | New    | Normal    | Sim 800L module Connectivity  |          | 11/02/2022 06:55 PM |  |
| 5735 | osmo-e1d                              | Bug     | New    | Normal    | ctl client disconnect doesn't re-set timeslot state   |          | 05/23/2023 06:19 AM |  |
| 5731 | gr-osmosdr                            | Bug     | New    | High      | Install gr-osmosdr on Ubuntu 20.04  |          | 10/27/2022 01:39 PM |  |
| 5726 | OsmoMGW                               | Bug     | New    | Normal    | AMR octet-align in SDP: lack of 'octet-align' fmtp should imply octet-align=0, and the presence or absence of this fmtp should not have an effect |          | 12/12/2023 01:51 AM | Is duplicate of #5726                          |
| 5699 | OsmoMSC                               | Bug     | New    | Normal    | MNCC RTP_CREATE is not sent in a call waiting scenario  |          | 10/10/2022 06:46 PM |  |
| 5683 | Osmocom Libraries                     | Bug     | New    | Immediate | How to install osmocom in China   |          | 09/18/2022 10:18 AM |  |
| 5672 | Misc Hardware Projects                | Bug     | New    | Normal    | sfp-experimenter / voltage swing of LVDS driver insufficient for SFP spec   |          | 09/02/2022 03:27 PM |  |
| 5669 | Cellular Network Infrastructure       | Bug     | New    | Normal    | Test .deb packages built by our OBS   |          | 09/21/2022 01:03 PM | Related to #5669,Related to #5669              |
| 5644 | Osmocom Libraries                     | Bug     | New    | Normal    | Check library pkg-config files for proper dependencies  |          | 08/10/2022 01:02 PM | Related to #5644                               |
| 5628 | osmo-remsim                           | Bug     | New    | Low       | client-st2: error mesasges when mapping is removed  |          | 07/24/2022 07:14 AM |  |
| 5585 | OsmoCBC                               | Bug     | New    | Low       | CBC should not send WRITE-REPLACE to cells that had sent FAILURE  |          | 08/05/2022 04:58 PM |  |
| 5576 | OsmoBTS                               | Bug     | New    | Normal    | osmo-bts not moving NM state "Enabled -> DisabledDependency" when Admin state becomes Locked  |          | 06/02/2022 10:38 AM |  |
| 5573 | OsmoHNBGW                             | Bug     | New    | Normal    | osmo-hnbgw: RANAP LocationReportingControl not implemented  |          | 05/30/2022 02:05 PM |  |
| 5561 | libosmo-sccp + libosmo-sigtran        | Bug     | New    | Low       | pc=0=0.0.0 / RCOC-ERROR.ind not permitted   |          | 05/23/2023 06:20 AM |  |
| 5544 | OCTOI - Osmocom Community TDM over IP | Bug     | New    | Normal    | Strange HDLC frames in PPP when using mISDN/pppd/capiplugin against Portmaster3   |          | 04/23/2022 01:50 PM |  |
| 5521 | osmo-e1d                              | Bug     | New    | Low       | don't attempt OCTOI connection of no TDM data from driver (icE1usb)   |          | 04/10/2022 05:28 PM |  |
| 5515 | OsmoBSC                               | Bug     | New    | Normal    | BSC_Tests: re-establishment: RA during CHAN RQD should reflect re-establishment   |          | 04/06/2022 08:02 PM |  |
| 5512 | Retronetworking                       | Bug     | New    | Low       | Idea: L1OIP driver for DAHDI  |          | 04/03/2022 11:46 AM |  |
| 5509 | OsmoSGSN                              | Bug     | New    | Normal    | llc/pdu lifetime: add vty config option to define default lifetime  |          | 03/31/2022 04:11 PM |  |
| 5499 | osmo-e1d                              | Bug     | New    | Low       | octoi client binds to specific IP even if 0.0.0.0 is specified  |          | 05/23/2023 07:10 AM |  |

| #    | Project                               | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues                    |
|------|---------------------------------------|---------|--------|----------|--|----------|---------------------|-----------------------------------|
| 5474 | OsmoBTS                               | Bug     | New    | Normal   | osmo-bts-trx: DTxd support not implemented   |          | 03/02/2022 05:06 PM | Related to #5474,Related to #5474 |
| 5462 | osmo-sip-connector                    | Bug     | New    | Normal   | Contact Header Missing - Way Forward?  |          | 02/21/2022 05:51 AM |                                   |
| 5460 | gr-osmosdr                            | Bug     | New    | Normal   | Please use double for ppm with fcdp/pp   |          | 02/17/2022 10:43 PM |                                   |
| 5449 | OsmoGGSN (former OpenGGSN)            | Bug     | New    | Low      | osmo-ggsn: Accept IPv4v6 EUA pdp creation in APv4/v6-only APNs by answering with changed PDP Type          |          | 04/04/2023 09:46 AM |                                   |
| 5448 | gr-osmosdr                            | Bug     | New    | Low      | a bug related to gqrx using gr-osmosdr for sdrplay rsp1 through soapy(?)                                   |          | 02/09/2022 02:56 AM |                                   |
| 5445 | gr-osmosdr                            | Bug     | New    | Normal   | Please switch to the gr-funcube  |          | 02/15/2022 11:56 PM |                                   |
| 5433 | OCTOI - Osmocom Community TDM over IP | Bug     | New    | Normal   | forwarding of TS0 / Alarms   |          | 01/30/2022 11:02 AM |                                   |
| 5425 | gr-osmosdr                            | Bug     | New    | High     | Problem receiving samples using dual receivers with BladeRF  |          | 01/29/2022 04:22 AM |                                   |
| 5423 | SIMtrace 2                            | Bug     | New    | Low      | "trace" firmware continuous test setup   |          | 01/27/2022 12:24 PM |                                   |
| 5396 | OsmocomDECT                           | Bug     | New    | High     | TcpDump/WireShark will not build with libpcap(dect)  |          | 01/09/2022 12:57 PM |                                   |
| 5394 | OsmocomDECT                           | Bug     | New    | High     | Kernel Oops when loading com_on_air_cs (unable to handle kernel NULL pointer dereference)                  |          | 01/09/2022 12:54 PM |                                   |
| 5393 | OsmocomDECT                           | Bug     | New    | High     | tipc problems while building on Ubuntu   |          | 01/09/2022 12:48 PM |                                   |
| 5392 | OsmocomDECT                           | Bug     | New    | High     | Sliding collision errors   |          | 01/09/2022 12:44 PM |                                   |
| 5389 | OsmocomDECT                           | Bug     | New    | Low      | Namespace clashes between kernel and userspace   |          | 01/09/2022 12:30 PM |                                   |
| 5388 | OsmocomDECT                           | Bug     | New    | Low      | {MM-INFO-SUGGEST} message not sent with ext bit set to 0   |          | 01/09/2022 12:28 PM |                                   |
| 5380 | osmo-ccid-firmware                    | Bug     | New    | Normal   | Incorrect answer to PC_to_RDR_SetParameters CCID command   |          | 01/16/2022 08:55 PM |                                   |
| 5357 | OsmoGGSN (former OpenGGSN)            | Bug     | New    | Normal   | no more than PDP_MAX == 1024 PDP contexts possible in libgtp   |          | 12/14/2021 01:20 PM | Related to #5469                  |
| 5356 | libosmo-abis                          | Bug     | New    | Normal   | libosmo-abis: osmo_rtp_socket_connect() not calling connect() on sockets                                   |          | 12/13/2021 12:50 PM |                                   |
| 5352 | gr-osmosdr                            | Bug     | New    | Normal   | ImportError: generic_type: type "sink" referenced unknown base type "gr::hier_block2"                      |          | 12/11/2021 08:19 AM |                                   |
| 5338 | OsmoBTS                               | Bug     | New    | Normal   | LMSDevice.cpp:261 Power parameters requested before Tx Frequency was set! Providing band 900 by default... |          | 12/09/2021 11:42 PM |                                   |
| 5313 | OsmoMGW                               | Bug     | New    | Normal   | libosmo-mgcp-client-dbg specific package not generated for debian  |          | 11/16/2021 03:57 PM |                                   |
| 5310 | osmo-ccid-firmware                    | Bug     | New    | Normal   | sysmoOCTSIM does not re-enumerate after unplug/replug the USB cable when PSU is connected                  |          | 11/15/2021 05:13 PM |                                   |
| 5305 | OsmocomBB                             | Bug     | New    | Normal   | Burst capture  |          | 11/10/2021 06:38 PM |                                   |
| 5304 | OsmoHNBGW                             | Bug     | New    | Low      | Verizon CDMA femtocell   |          | 03/09/2024 07:09 PM |                                   |
| 5300 | OsmoPCU                               | Bug     | New    | Normal   | osmo-pcu: SUSPEND-NACK not implemented   |          | 03/31/2022 02:59 PM |                                   |
| 5298 | gr-osmosdr                            | Bug     | New    | Normal   | object has no attribute 'pyqwidget' on arch linux  |          | 11/09/2021 01:25 AM |                                   |

| #    | Project                        | Tracker | Status | Priority | Subject  | Assignee | Updated             | Related issues   |
|------|--------------------------------|---------|--------|----------|--|----------|---------------------|------------------|
| 5257 | OsmoBTS                        | Bug     | New    | High     | support random padding in SACCH downlink messages  |          | 10/12/2021 11:18 AM | Related to #5257 |
| 5218 | gr-osmosdr                     | Bug     | New    | Normal   | compilation fails: "no matching function for call to fcd_source_c::connect"  |          | 09/05/2021 10:58 PM |                  |
| 5202 | OsmocomBB                      | Bug     | New    | Normal   | [Assert failed rc >= 0 l1ctl.c:83] cell_log crashes (mostly) when monitoring specific ARFCN                              |          | 07/25/2021 01:38 PM |                  |
| 5190 | OsmoBSC                        | Bug     | New    | Low      | segfault with osmo-e1d   |          | 09/15/2021 09:34 AM |                  |
| 5154 | OsmoSGSN                       | Bug     | New    | Normal   | OsmoSGSN doesn't trigger 3G paging if downlink GTP traffic arrives after long break                                      |          | 05/13/2021 12:28 PM | Related to #5154 |
| 5120 | rtl-sdr                        | Bug     | New    | Normal   | rtlsdr_demod_write_reg failed with -9  |          | 04/18/2021 08:55 PM |                  |
| 5117 | OsmoSDR                        | Bug     | New    | Normal   | Error building gr-osmosdr with libhackrf   |          | 04/15/2021 07:56 AM |                  |
| 5050 | OsmoTRX                        | Bug     | New    | Normal   | How can I solve limesdr mini clock problem with osmocom ?  |          | 02/27/2021 01:55 PM |                  |
| 5035 | libosmocore                    | Bug     | New    | Low      | ns2: add a vty to drop a sns connection  |          | 03/29/2021 09:16 PM |                  |
| 5031 | OsmoSDR                        | Bug     | New    | Normal   | Please switch to gr-funcube  |          | 06/17/2021 09:23 AM |                  |
| 5029 | libosmocore                    | Bug     | New    | Normal   | vtty: optional cases with multiple arguments is undefined behaviour  |          | 02/18/2021 05:44 PM |                  |
| 5015 | libosmocore                    | Bug     | New    | Low      | ns2: add consistency check for ns configuration as callback  |          | 03/29/2021 09:17 PM |                  |
| 5011 | Core testing infrastructure    | Bug     | New    | Normal   | Warning about unrecognized escape sequence in Osmocom_CTRL_Types   |          | 02/05/2021 11:21 AM |                  |
| 5008 | gr-osmosdr                     | Bug     | New    | Normal   | Quoted whitespace parsing problem in source_impl::source_impl  |          | 02/04/2021 02:16 AM |                  |
| 4985 | OsmoBTS                        | Bug     | New    | Normal   | AMR RTP CMR of downlink frames not used to influence CMC   |          | 01/28/2021 01:35 PM |                  |
| 4972 | OsmoMSC                        | Bug     | New    | Normal   | manual: the MNCC protocol is outdated (RTP)  |          | 01/24/2021 05:58 PM |                  |
| 4966 | OsmoPCU                        | Bug     | New    | Normal   | osmo-pcu: gprs+egprs multiplex: Allow selecting original 8-PSK dl block during retransmission for GMSK-required DL block |          | 01/26/2021 01:07 PM | Related to #4966 |
| 4950 | gr-osmosdr                     | Bug     | New    | Normal   | gr-osmosdr doesn't find iqbalance during build   |          | 02/22/2021 02:46 AM |                  |
| 4933 | OsmoHNBGW                      | Bug     | New    | Low      | Femtocell choice in U.K 2021/01  |          | 03/09/2024 07:09 PM |                  |
| 4930 | OsmoBSC                        | Bug     | New    | Normal   | bsc: cbc: vty: "no remote-ip" in cbc > client  |          | 12/31/2020 10:42 PM |                  |
| 4926 | OsmoHNBGW                      | Bug     | New    | Normal   | nano3G disconnect / reconnect cycle with SCTP multi-homing   |          | 01/04/2021 11:38 AM | Related to #4926 |
| 4925 | libosmo-sccp + libosmo-sigtran | Bug     | New    | Normal   | SCTP multihoming / ABORT between osmo-msc and osmo-stp   |          | 01/04/2021 11:32 AM | Related to #4926 |
| 4908 | libosmocore                    | Bug     | New    | Normal   | Errors compiling with -std=c++14   |          | 03/01/2021 03:38 PM |                  |

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