

## Issues

| #    | Project                               | Tracker | Status      | Priority | Subject                                                                                                             | Assignee | Updated             | Related issues                                                                       |
|------|---------------------------------------|---------|-------------|----------|---------------------------------------------------------------------------------------------------------------------|----------|---------------------|--------------------------------------------------------------------------------------|
| 2764 | SDR (Software Defined Radio)          | Support | New         | Normal   | osmocom_fft & siggen can't access the X display                                                                     |          | 12/15/2017 06:09 PM |                                                                                      |
| 4367 | rtl-sdr                               | Support | New         | Normal   | "Communications Toolbox Support Package for RTL-SDR Radio" from "Mathworks Matlab" appears to be with broken links? | steve-m  | 01/21/2020 08:52 PM |                                                                                      |
| 4080 | rtl-sdr                               | Support | New         | Normal   | Receiving UTAs on 978 Mhz                                                                                           |          | 07/02/2019 12:08 PM |                                                                                      |
| 1983 | rtl-sdr                               | Support | New         | Normal   | Add welle.io and rtl_fm_streamer to rtl-sdr app list                                                                |          | 06/03/2018 12:24 PM |                                                                                      |
| 6193 | Retronetworking                       | Support | New         | Low      | Replace "event rack" PM3 power supply                                                                               | laforge  | 09/27/2023 12:19 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 |                                                                                      |
| 4365 | OsmoTRX                               | Support | Stalled     | Normal   | Create testsuite to test osmo-bts-trx+osmo-trx under high channel load                                              | dexter   | 09/03/2020 10:33 AM | Related to #4366                                                                     |
| 3920 | OsmoSGSN                              | Support | In Progress | Normal   | PCAPs files of 3G PS for Osmocom network and Commercial one                                                         |          | 04/18/2019 02:03 PM | Related to #3920,Related to #3936,Related to #3923,Related to #3937,Related to #3922 |
| 4612 | OsmoMSC                               | Support | New         | Normal   | test handover on non-voice call conn (no CC transaction present)                                                    |          | 06/14/2020 12:21 PM |                                                                                      |
| 6153 | OsmoHNodeB                            | Support | Feedback    | Normal   | List of supported FemtoCell                                                                                         | Kira     | 08/28/2023 02:24 PM |                                                                                      |
| 2497 | OsmoGSMTester                         | Support | Stalled     | Normal   | Set up SIM cards with auth algo other than comp128v1                                                                | daniel   | 10/15/2019 11:44 AM | Related to #2475                                                                     |
| 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                                                                     |
| 2504 | OsmoGSMTester                         | Support | New         | Normal   | check whether running osmo-* from docker images is feasible on osmo-gsm-tester                                      |          | 04/06/2020 11:28 AM |                                                                                      |
| 1627 | OsmocomBB                             | Support | Stalled     | Low      | DCS_8BIT and DCS_UCS2 encoding supprot                                                                              |          | 07/16/2018 06:53 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 |                                                                                      |
| 3863 | OsmoBTS                               | Support | Stalled     | Normal   | setup testing of osmo-bts-oc2g on real hardware with ttcn3 and osmocon/osmocom-bb                                   |          | 12/01/2019 10:52 AM |                                                                                      |
| 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 |                                                                                      |

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|------|----------------------------------------------|---------|----------|----------|------------------------------------------------------------------------------------------------------|-----------|---------------------|----------------------------------------------------|
| 2622 | OsmoBSC                                      | Support | Stalled  | High     | Prepare automatic interop testing of OsmoBSC against NG40 core simulator + osmo-bts-virtual + mobile |           | 09/04/2019 09:18 AM | Related to #2478,Related to #2558,Related to #2555 |
| 4621 | OsmoBSC                                      | Support | New      | Normal   | feedback: osmo-bsc modifies the LAI in LU Accept messages, and the MM info data                      | neels     | 02/06/2021 09:50 AM |                                                    |
| 4593 | OP25                                         | Support | New      | Normal   | Link to samples on the wiki is dead                                                                  | matt      | 06/07/2020 06:53 PM |                                                    |
| 4225 | OP25                                         | Support | New      | Normal   | Missing rules in cmake lists?                                                                        | 2CS350    | 10/12/2019 02:49 PM |                                                    |
| 2677 | libosmocore                                  | Support | New      | Normal   | Make stat_item available over ctrl interface                                                         |           | 09/04/2019 09:21 AM | Related to #2676                                   |
| 3819 | gr-osmosdr                                   | Support | New      | Urgent   | OSMO SDR blocks for GNUradio                                                                         |           | 02/28/2019 06:00 PM |                                                    |
| 3512 | gr-osmosdr                                   | Support | New      | Normal   | Bug #3462 on Arch Linux; gr-osmosdr install fails                                                    | horiz0n   | 01/26/2019 06:10 PM |                                                    |
| 4534 | Ericsson RBS 6xxx                            | Support | Stalled  | Normal   | Take pictures of RBS6k gear for documentation                                                        | roh       | 05/20/2020 03:19 PM |                                                    |
| 6416 | E1/T1 Hardware Interface (including icE1usb) | Support | Feedback | Normal   | Serial debug tty port speed                                                                          | pfassberg | 05/01/2024 07:13 AM |                                                    |
| 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 |                                                    |
| 4308 | Distributed GSM                              | Support | New      | High     | thoughts about incorporating credit / billing in D-GSM                                               |           | 12/04/2019 04:08 PM |                                                    |
| 4333 | Cellular Network Infrastructure              | Support | Feedback | Normal   | GSUP binary compatibility: add GSUP protocol version IE?                                             |           | 12/16/2019 01:56 PM | Related to #4333,Related to #4333,Related to #4333 |
| 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 |                                                    |
| 3747 | UmTRX                                        | Feature | New      | Normal   | LMS6002D RX Gain Control                                                                             | ipse      | 01/08/2019 09:46 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 |                                                    |
| 1510 | UmTRX                                        | Feature | New      | High     | Complete UHD integration                                                                             | ipse      | 02/21/2016 04:47 PM |                                                    |
| 1509 | UmTRX                                        | Feature | New      | Normal   | Store calibration values in EEPROM                                                                   | ipse      | 02/21/2016 04:47 PM |                                                    |
| 1508 | UmTRX                                        | Feature | New      | High     | Implement UmSEL diversity switch control                                                             | ipse      | 02/21/2016 04:47 PM |                                                    |

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|------|------------------------------|---------|-------------|----------|--------------------------------------------------------------------------------|---------------|---------------------|---------------------------------------------------------------------|
| 1507 | UmTRX                        | Feature | New         | High     | Implement UmSEL tuner control                                                  | ipse          | 02/21/2016 04:47 PM |                                                                     |
| 1506 | UmTRX                        | Feature | New         | Normal   | Move to the latest stable UHD                                                  | ipse          | 02/21/2016 04:47 PM |                                                                     |
| 1504 | UmTRX                        | Feature | New         | Normal   | LMS6002 phase error increases when Rx is enabled and varies with temperature   | ttsou         | 02/19/2016 10:52 PM |                                                                     |
| 5826 | SIMtrace 2                   | Feature | Stalled     | Normal   | SAM4S4BA support in firmware                                                   | laforge       | 01/31/2023 08:06 PM | Related to #5826                                                    |
| 5276 | SIMtrace 2                   | Feature | Stalled     | Normal   | jenkins CI integration like for osmo-ccid-firmware                             | roh           | 11/14/2022 05:24 PM | Related to #5422                                                    |
| 1912 | SIMtrace 2                   | Feature | Stalled     | Low      | do proper re-layout of the board                                               | mschramm      | 10/20/2020 08:39 AM | Related to #4118                                                    |
| 5600 | SIMtrace 2                   | Feature | Feedback    | Normal   | SIMtrace2 fails to emulate EMV cards                                           | boggy123      | 12/14/2022 01:07 PM |                                                                     |
| 5422 | SIMtrace 2                   | Feature | In Progress | Normal   | "cardem" continuous testing setup                                              | laforge       | 01/27/2022 12:22 PM | Related to #5422                                                    |
| 1706 | SIMtrace 2                   | Feature | In Progress | Low      | Hardware / Circuit board update for SAM3S based SIMtrace2 with 1.8V/5V support | mschramm      | 10/28/2023 11:25 AM | Related to #1706,Related to #5464,Related to #4118,Related to #5826 |
| 5805 | SIMtrace 2                   | Feature | New         | Normal   | SIM Trace 2 Build for Windows                                                  | jelson_simEng | 04/02/2023 09:56 AM |                                                                     |
| 3711 | SIMtrace 2                   | Feature | New         | Normal   | Add screw holes for permanent installations                                    | mschramm      | 11/01/2023 08:28 PM |                                                                     |
| 3501 | SIMtrace 2                   | Feature | New         | Low      | Multi-sim addon board idea                                                     |               | 08/28/2018 03:00 PM |                                                                     |
| 3371 | SIMtrace 2                   | Feature | New         | Normal   | migrate to use arm-none-eabi build of libosmocore.git                          | laforge       | 08/09/2018 12:14 PM |                                                                     |
| 1911 | SIMtrace 2                   | Feature | New         | Normal   | check if we can have an enclosed version of simtrace v2                        | tsaitgaist    | 09/13/2018 12:40 PM |                                                                     |
| 1463 | SIMtrace 2                   | Feature | New         | Low      | Add VCC current sensing circuit for SPA & DPA attacks                          | laforge       | 08/27/2018 07:05 AM | Related to #1706                                                    |
| 1460 | SIMtrace 2                   | Feature | New         | Normal   | include some version information / negotiation in the USB protocol             | laforge       | 12/06/2019 01:39 PM | Related to #1461,Related to #4041                                   |
| 1457 | SIMtrace 2                   | Feature | New         | Low      | Spacing between JTAG and JP1/JP2                                               | mschramm      | 09/13/2018 07:07 PM |                                                                     |
| 5892 | SDR (Software Defined Radio) | Feature | Stalled     | Low      | design/build ext clock input board for PlutoSDR Rev.B                          | laforge       | 10/18/2023 05:23 PM |                                                                     |
| 4580 | SDR (Software Defined Radio) | Feature | New         | Normal   | gr-osmosdr compilation under GnuRadio 3.9.0                                    |               | 06/04/2020 01:13 AM |                                                                     |
| 2224 | SDR (Software Defined Radio) | Feature | New         | Normal   | New Fospor Benchmark Performance                                               |               | 05/04/2017 01:23 PM |                                                                     |
| 5291 | rtl-sdr                      | Feature | New         | Normal   | Ship the udev rules upstream                                                   | steve-m       | 11/05/2021 11:04 AM |                                                                     |
| 3315 | rtl-sdr                      | Feature | New         | Normal   | review and possibly apply patches from debian package                          | steve-m       | 06/03/2018 01:17 PM |                                                                     |
| 6224 | Retronetworking              | Feature | Feedback    | Normal   | how to document the rescued EWSD                                               |               | 10/18/2023 04:51 PM |                                                                     |
| 5488 | Retronetworking              | Feature | In Progress | Low      | create DAHDI mirror sniffer                                                    | laforge       | 11/07/2022 06:04 PM |                                                                     |
| 5463 | Retronetworking              | Feature | In Progress | Low      | X.21 hardware interface                                                        | vogelchr      | 03/04/2023 02:37 PM |                                                                     |
| 6244 | Retronetworking              | Feature | New         | Low      | scan more/all EWS(O) documentation laforge has                                 | laforge       | 11/01/2023 09:50 PM |                                                                     |

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|------|---------------------------------------|---------|-------------|----------|-----------------------------------------------------------------------------------|----------|---------------------|------------------|
| 6237 | Retronetworking                       | Feature | New         | Low      | Design + Build PCBA for NE555 based fake fan rpm sensor                           | laforge  | 10/30/2023 01:38 AM |                  |
| 6219 | Retronetworking                       | Feature | New         | Normal   | Publish pics/videos for EWSD rescue/move                                          | laforge  | 10/17/2023 02:10 PM |                  |
| 6218 | Retronetworking                       | Feature | New         | Normal   | write article/report on EWSD rescue for IGHFT / Fernmeldemuseum Dresden           | laforge  | 10/17/2023 02:11 PM |                  |
| 6195 | Retronetworking                       | Feature | New         | Low      | Wiki page on Cisco *WIC-* line cards for 26xx/28xx series                         | laforge  | 10/08/2023 07:33 AM |                  |
| 6194 | Retronetworking                       | Feature | New         | Low      | wiki page on MultiTech MT5600-BL                                                  | laforge  | 09/27/2023 12:46 PM |                  |
| 5855 | Retronetworking                       | Feature | New         | Normal   | Establishing a German non-profit for retronetworking                              | laforge  | 01/13/2023 11:59 AM |                  |
| 5768 | Retronetworking                       | Feature | New         | Normal   | retronetworking logo / artwork                                                    |          | 04/07/2024 10:40 PM |                  |
| 5746 | Retronetworking                       | Feature | New         | Low      | Create H.221 decoder                                                              |          | 11/07/2022 10:55 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 |                  |
| 5511 | Retronetworking                       | Feature | New         | Low      | Idea: DAHDI backend for mISDN                                                     |          | 09/18/2022 03:59 PM |                  |
| 4226 | Retronetworking                       | Feature | New         | Low      | STM-1 / USB interface?                                                            |          | 01/30/2022 10:14 AM |                  |
| 5938 | Retrocomputing                        | Feature | In Progress | Normal   | assemble "fake parallel printer"                                                  | laforge  | 09/13/2023 09:32 AM |                  |
| 5934 | Retrocomputing                        | Feature | In Progress | Low      | Assemble Pico-GUS                                                                 | laforge  | 03/06/2023 04:25 PM |                  |
| 5933 | Retrocomputing                        | Feature | In Progress | Low      | Assemble XT-CF-Lite v4.1                                                          | laforge  | 03/20/2023 09:54 AM |                  |
| 5947 | Retrocomputing                        | Feature | New         | Low      | Assemble PC104-SVGA                                                               | laforge  | 03/15/2023 09:29 AM |                  |
| 5940 | Retrocomputing                        | Feature | New         | Low      | Assemble LPT_Capture                                                              | laforge  | 03/15/2023 09:06 AM |                  |
| 5936 | Retrocomputing                        | Feature | New         | Low      | Assemble netpi-ide                                                                | laforge  | 03/02/2023 09:25 PM |                  |
| 5932 | Retrocomputing                        | Feature | New         | Low      | assemble ISA-USB                                                                  | laforge  | 03/02/2023 09:25 PM |                  |
| 1815 | Qualcomm Linux Modems by Quectel & Co | Feature | New         | Normal   | tool for building binary ipk from .list/.control                                  |          | 10/02/2016 05:06 AM |                  |
| 1814 | Qualcomm Linux Modems by Quectel & Co | Feature | New         | Low      | check if qtools work                                                              |          | 10/02/2016 04:08 AM |                  |
| 4384 | pySim                                 | Feature | Stalled     | Normal   | Jenkins program-read verification on daily (or weekly) basis                      | dexter   | 03/27/2023 04:13 PM | Related to #4384 |
| 6089 | pySim                                 | Feature | Feedback    | Normal   | log the current file / operation during execution of a script                     | laforge  | 11/27/2023 04:37 PM |                  |
| 6211 | pySim                                 | Feature | In Progress | Low      | decode security attributes _compact_ in human-readable way, like we decode EF.ARR | dexter   | 12/15/2023 07:22 AM | Related to #6211 |
| 6367 | pySim                                 | Feature | New         | Normal   | PC/SC <-> Android OMAPI bridge for pySim and others                               |          | 02/17/2024 01:34 PM |                  |
| 6316 | pySim                                 | Feature | New         | Normal   | include test data in user manual                                                  |          | 12/23/2023 03:10 PM |                  |
| 6315 | pySim                                 | Feature | New         | Low      | have test data for all supported files                                            |          | 12/23/2023 09:36 AM |                  |
| 6265 | pySim                                 | Feature | New         | Normal   | decode numeric SW in case of errors                                               | dexter   | 12/11/2023 01:01 PM |                  |
| 6104 | pySim                                 | Feature | New         | Low      | reduce number of python dependencies                                              |          | 07/20/2023 04:28 PM |                  |

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|------|---------|---------|-------------|----------|-----------------------------------------------------------------------|-----------|---------------------|---------------------------------------------------------------------|
| 6092 | pySim   | Feature | New         | Low      | "export" suport for ARA-M                                             | dexter    | 10/31/2023 06:40 PM |                                                                     |
| 6086 | pySim   | Feature | New         | Low      | implement features of sysmo-{usim,isim}-tool                          | laforge   | 07/13/2023 04:09 AM |                                                                     |
| 5976 | pySim   | Feature | New         | Low      | pySim-prog: do not program linked files multiple times                | dexter    | 03/27/2023 04:05 PM |                                                                     |
| 5268 | pySim   | Feature | New         | Normal   | pySim-shell: GlobalPlatform SCP02 support                             | laforge   | 10/14/2021 07:12 PM | Related to #5268                                                    |
| 5267 | pySim   | Feature | New         | Normal   | pySim-shell: Ability to deactivate entire applications on the card    |           | 10/14/2021 07:12 PM | Related to #5268                                                    |
| 5235 | pySim   | Feature | New         | Low      | import / export as eUICC profile package ASN.1                        |           | 06/09/2023 04:55 PM |                                                                     |
| 5127 | pySim   | Feature | New         | Normal   | tool for "re-formatting" [sysmocom] cards in tester                   | laforge   | 10/14/2021 07:16 PM | Related to #5127                                                    |
| 6394 | OsmoUPF | Feature | Stalled     | Low      | Basic URR (Usage Reporting Rule) support for tunnel mapping           |           | 03/22/2024 08:08 AM | Related to #6395                                                    |
| 5900 | OsmoUPF | Feature | In Progress | Normal   | make sure chain ids used in the tunmap nft ruleset are unused         |           | 02/09/2023 05:34 PM |                                                                     |
| 5814 | OsmoUPF | Feature | New         | Normal   | tunmap: more concisely match on GTP-U packets                         |           | 12/06/2022 07:30 PM |                                                                     |
| 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 |                                                                     |
| 4362 | OsmoTRX | Feature | Stalled     | Normal   | osmo-trx-lms: Support multi-arfcn feature                             |           | 09/30/2020 08:09 PM | Related to #4362,Related to #4362                                   |
| 3054 | OsmoTRX | Feature | Stalled     | Normal   | Extended (11-bit) RACH support in OsmoTRX                             | tnt       | 02/03/2019 11:45 AM | Related to #1854,Related to #3054,Related to #3054,Related to #4006 |
| 5516 | OsmoTRX | Feature | In Progress | High     | BladeRF 2.0 Support                                                   | Hoernchen | 02/14/2023 02:59 PM | Is duplicate of #2430                                               |
| 6231 | OsmoTRX | Feature | New         | Normal   | add support / calibration values for AntSDR E200                      | roh       | 10/21/2023 03:25 PM |                                                                     |
| 5859 | OsmoTRX | Feature | New         | Normal   | remove non-neon and non-sse support                                   | Hoernchen | 01/16/2023 10:17 PM |                                                                     |
| 5283 | OsmoTRX | Feature | New         | Normal   | Implement TRXDv2 support                                              | fixeria   | 10/27/2021 10:35 PM | Related to #5283                                                    |
| 5228 | OsmoTRX | Feature | New         | Low      | osmo-trx: Missing unit tests for computeCI() and computeEdgeCI()      | Hoernchen | 11/07/2022 06:23 PM |                                                                     |
| 4504 | OsmoTRX | Feature | New         | Low      | Buidl LimeSuite without GUI in osmocom feeds                          |           | 09/30/2020 08:08 PM |                                                                     |
| 3962 | OsmoTRX | Feature | New         | Low      | osmo-trx: Use gcc attribute no_sanitize to run fine with ASan enabled |           | 08/26/2019 02:04 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 |                                                                     |
| 3033 | OsmoTRX | Feature | New         | Low      | Split wiki page into multiple smaller pages                           |           | 03/05/2018 11:28 AM |                                                                     |
| 2430 | OsmoTRX | Feature | New         | Low      | osmo-trx support bladerf                                              |           | 02/14/2023 01:39 PM | Is duplicate of #2430,Is duplicate of #2430                         |
| 4275 | OsmoSTP | Feature | New         | Low      | Add TTCN3 STP_Tests_IPA.TC_tmt_broadcast                              | pespin    | 12/01/2019 11:04 AM |                                                                     |

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| 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 |                                                         |
| 1689 | OsmoSMSC | Feature | New     | Normal   | insert: Change destination number based on criteria similiar to route handling on output | zecke    | 04/06/2016 12:18 PM |                                                         |
| 1623 | OsmoSMSC | Feature | New     | Normal   | Configure delivery report for the SMPP delivery links                                    | zecke    | 02/24/2016 01:49 PM |                                                         |
| 5759 | OsmoSGSN | Feature | Stalled | Normal   | Support for Mobility between SGSN (2G/3G) and S-GW (4G)                                  | dexter   | 12/07/2023 12:40 PM | Related to #5759                                        |
| 1655 | OsmoSGSN | Feature | Stalled | Normal   | KPIs for OsmoSGSN                                                                        |          | 01/08/2020 10:49 PM | Related to #1652,Related to #1655,Related to #1655      |
| 1587 | OsmoSGSN | Feature | Stalled | Normal   | SMS over GPRS support                                                                    |          | 11/25/2018 08:14 PM | Related to #3587                                        |
| 6294 | OsmoSGSN | Feature | New     | High     | Support GN/Gp interoperation procedures between SGSN and MME                             | daniel   | 04/22/2024 06:04 PM | Related to #6294,Related to #6439                       |
| 6139 | OsmoSGSN | Feature | New     | Normal   | test mobility between GERAN (OsmoPCU) and EUTRAN (Open5GS) end to end on real hardware   | dexter   | 04/02/2024 09:38 AM |                                                         |
| 5853 | OsmoSGSN | Feature | New     | Normal   | osmo-sgsn: Rework to use libosmo-gprs                                                    |          | 01/11/2023 03:14 PM |                                                         |
| 5487 | OsmoSGSN | Feature | New     | Low      | get rid of osmo-ihh.git's iu_client API and absorb into OsmoSGSN                         |          | 03/10/2022 06:05 PM |                                                         |
| 3688 | OsmoSGSN | Feature | New     | Low      | move generic gtpub code to libosmocore                                                   |          | 04/15/2019 07:29 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 |
| 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      |
| 33   | OsmoSGSN | Feature | New     | Low      | real LLC implementation with fragmentation and re-transmissions                          |          | 11/09/2016 09:45 AM |                                                         |
| 5047 | OsmoSDR  | Feature | New     | Normal   | Inconsistencies between SDR's in bias-tee parameter                                      |          | 12/19/2021 01:17 PM |                                                         |
| 1823 | OsmoPCU  | Feature | Stalled | Low      | Ericsson PCU TRAU frame encoding/decoding                                                |          | 09/04/2019 09:26 AM | Related to #5198                                        |

| #    | Project | Tracker | Status   | Priority | Subject                                                                       | Assignee | Updated             | Related issues                                                                       |
|------|---------|---------|----------|----------|-------------------------------------------------------------------------------|----------|---------------------|--------------------------------------------------------------------------------------|
| 1545 | OsmoPCU | Feature | Stalled  | Normal   | continuous timing advance loop using PTCCCH                                   | fixeria  | 03/24/2020 09:49 PM | Related to #1545,Related to #4102,Related to #4500,Blocks #1545                      |
| 1526 | OsmoPCU | Feature | Stalled  | Normal   | Acquire/update timing advance (TA)                                            | fixeria  | 03/25/2021 12:04 PM | Related to #1545,Related to #1531,Related to #1524,Related to #3472,Related to #2977 |
| 1533 | OsmoPCU | Feature | Feedback | Low      | Separate the window handling from the TBF more clearly                        | zecke    | 07/21/2017 02:46 PM | Related to #1533                                                                     |
| 6303 | OsmoPCU | Feature | New      | Low      | Convert pcuif to TLV to make backwards compatibility more feasible            |          | 02/15/2024 09:23 PM |                                                                                      |
| 6150 | OsmoPCU | Feature | New      | Normal   | PCUIF: Use unique identifiers instead of the TLLI as msg_id.                  | dexter   | 10/24/2023 03:15 PM |                                                                                      |
| 5930 | OsmoPCU | Feature | New      | Low      | handle multiple BTSs with one PCU                                             |          | 03/03/2023 10:47 AM |                                                                                      |
| 5834 | OsmoPCU | Feature | New      | Normal   | VTY option "two-phase-access" is misleading                                   |          | 12/19/2022 06:55 PM |                                                                                      |
| 5833 | OsmoPCU | Feature | New      | Low      | A "meas-feed" for osmo-pcu                                                    | keith    | 12/18/2022 06:42 PM |                                                                                      |
| 5827 | OsmoPCU | Feature | New      | Normal   | osmo-pcu: Hardcoded limit of maximum number of 8 TRX per BTS                  | pespin   | 12/16/2022 11:55 AM |                                                                                      |
| 5122 | OsmoPCU | Feature | New      | Normal   | Choose SBA allocation offset based on AGCH queue load in the BTS              | pespin   | 04/20/2021 12:51 PM | Related to #5122                                                                     |
| 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 |                                                                                      |
| 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 |                                                                                      |
| 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                                                    |
| 3285 | OsmoPCU | Feature | New      | Normal   | design + implement tools to analyze inter-PCU cell changes                    | daniel   | 02/06/2021 11:12 AM | Related to #3284                                                                     |
| 2405 | OsmoPCU | Feature | New      | Low      | RLC/MAC encoding routines don't use bitvec L/H                                |          | 07/29/2017 09:01 AM |                                                                                      |
| 1903 | OsmoPCU | Feature | New      | Low      | convert c++ -> c                                                              |          | 03/23/2020 10:48 PM |                                                                                      |
| 1560 | OsmoPCU | Feature | New      | High     | EDGE benchmarking / performance optimization / tuning                         |          | 01/08/2020 10:31 PM |                                                                                      |
| 1558 | OsmoPCU | Feature | New      | Low      | Generate BSSGP LLC Discarded messages on TBF/MS free                          | osmith   | 02/13/2021 05:44 PM | Related to #4847                                                                     |
| 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 |                                                                                      |

| #    | Project  | Tracker | Status      | Priority | Subject                                                                              | Assignee | Updated             | Related issues                                                                                                     |
|------|----------|---------|-------------|----------|--------------------------------------------------------------------------------------|----------|---------------------|--------------------------------------------------------------------------------------------------------------------|
| 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 |                                                                                                                    |
| 1527 | OsmoPCU  | Feature | New         | Low      | Set correct values of the puncturing scheme and the retransmission flag              | pespin   | 02/08/2021 07:10 PM |                                                                                                                    |
| 1812 | OsmoNITB | Feature | New         | Normal   | Report gsm0408_dispatch() failures to MS / UE                                        |          | 01/08/2020 10:56 PM |                                                                                                                    |
| 1667 | OsmoNITB | Feature | New         | Normal   | Handle callref better                                                                |          | 09/04/2019 09:31 AM | Related to #3294                                                                                                   |
| 18   | OsmoNITB | Feature | New         | Low      | store last location identity to database                                             |          | 05/24/2018 01:15 PM |                                                                                                                    |
| 3620 | OsmoMSC  | Feature | Stalled     | Normal   | Implement TTCN-3 testsuite for Inter-MSC HO                                          | neels    | 09/04/2019 09:08 AM |                                                                                                                    |
| 3445 | OsmoMSC  | Feature | Stalled     | Normal   | SS/USSD: clean up the local GSM 04.80 API                                            |          | 12/14/2018 01:57 PM |                                                                                                                    |
| 2487 | OsmoMSC  | Feature | Stalled     | Normal   | MSC side of LCLS (local call local switching) as per the 3GPP specs                  | keith    | 10/17/2022 04:31 AM | Related to #1602,Related to #3659,Related to #3691,Related to #3618,Related to #3294,Related to #5712,Blocks #2487 |
| 1597 | OsmoMSC  | Feature | Stalled     | Low      | External interface for USSD                                                          | fixeria  | 11/27/2018 11:08 PM | Related to #1597,Related to #3433                                                                                  |
| 6151 | OsmoMSC  | Feature | Feedback    | Normal   | osmo-msc: Ability to configure (VTY) the AMR(-WB) formats used in RAB-Assignment-Req | neels    | 08/30/2023 08:16 PM |                                                                                                                    |
| 6258 | OsmoMSC  | Feature | In Progress | Normal   | if MT call leg does not support the assigned codec, re-assign to a compatible codec  |          | 01/12/2024 06:26 AM | Related to #6328                                                                                                   |
| 4200 | OsmoMSC  | Feature | In Progress | Normal   | Work around nano3G-S16 requiring RAB ID to be below 16                               | efistokl | 09/14/2019 09:48 AM |                                                                                                                    |
| 6000 | OsmoMSC  | Feature | New         | Normal   | Allow emergency calls without IMSI (using IMEI as MI)                                |          | 04/12/2023 11:03 AM | Related to #6000                                                                                                   |
| 5780 | OsmoMSC  | Feature | New         | Normal   | Implement/Support UUS1                                                               |          | 01/24/2023 10:48 AM |                                                                                                                    |
| 5403 | OsmoMSC  | Feature | New         | Normal   | Can't connect Call from 2G to 4G network                                             | laforge  | 01/14/2022 10:41 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                                                                                                   |
| 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                                                                                  |
| 4717 | OsmoMSC  | Feature | New         | Normal   | support Handover with changing codec                                                 |          | 08/18/2020 05:14 PM | Related to #4717                                                                                                   |



| #    | Project | Tracker | Status | Priority | Subject                                                                                       | Assignee | Updated             | Related issues                    |
|------|---------|---------|--------|----------|-----------------------------------------------------------------------------------------------|----------|---------------------|-----------------------------------|
| 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                  |
| 4374 | OsmoMSC | Feature | New    | Normal   | send GSUP PurgeMS Request (CN-Domain = CS) to the HLR upon IMSI-Detach                        |          | 01/23/2020 03:19 AM |                                   |
| 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                  |
| 4196 | OsmoMSC | Feature | New    | Normal   | CC Setup, Call Confirmed: decode and use the Supported Codec List IE                          |          | 09/25/2019 05:27 PM |                                   |
| 4065 | OsmoMSC | Feature | New    | Normal   | osmo-msc: Support instructing MSC_MGW to use Osmux between 2 endp/call-leg of same voice call | pespin   | 06/19/2019 04:54 PM | Related to #4065                  |
| 3988 | OsmoMSC | Feature | New    | Low      | change the remaining DEBUGP() statements to LOG_MSC_A() / LOG_MSC_A_CAT()                     |          | 05/08/2019 03:26 PM |                                   |
| 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 |                                   |
| 3687 | OsmoMSC | Feature | New    | Normal   | Expand "show bsc" command                                                                     |          | 11/11/2018 09:50 PM |                                   |
| 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                  |
| 3636 | OsmoMSC | Feature | New    | Normal   | detailed call statistics (with rate counters)                                                 | osmith   | 10/08/2018 11:14 AM | Related to #3636                  |
| 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                  |
| 3165 | OsmoMSC | Feature | New    | Low      | Verify LU Request's LAI                                                                       | osmith   | 07/18/2019 05:48 AM | Related to #3164                  |
| 3069 | OsmoMSC | Feature | New    | Normal   | investigate multiple CM Service Request on the same conn                                      | neels    | 10/28/2020 08:36 PM | Is duplicate of #3069             |
| 2878 | OsmoMSC | Feature | New    | Low      | OsmoMSC support for "Follow-on request/proceed"                                               |          | 01/26/2018 09:11 PM |                                   |
| 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 |
| 2795 | OsmoMSC | Feature | New    | Normal   | Handle UTRAN_CLSM_CHG in MSC                                                                  | neels    | 04/30/2018 12:06 PM | Related to #3043                  |
| 2788 | OsmoMSC | Feature | New    | Normal   | OsmoMSC should handle CM Service Abort message                                                | neels    | 01/04/2018 10:37 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 |                                   |
| 2191 | OsmoMSC | Feature | New    | Normal   | raw PDU mode for SMPP                                                                         |          | 12/23/2017 05:48 PM |                                   |
| 1974 | OsmoMSC | Feature | New    | Low      | VLR: high water mark on subscriber storage                                                    |          | 05/15/2022 01:45 PM | Related to #1973                  |

| #    | Project | Tracker | Status      | Priority | Subject                                                                                          | Assignee  | Updated             | Related issues                                                      |
|------|---------|---------|-------------|----------|--------------------------------------------------------------------------------------------------|-----------|---------------------|---------------------------------------------------------------------|
| 1973 | OsmoMSC | Feature | New         | Low      | VLR: efficient subscriber lookup                                                                 |           | 07/18/2019 06:15 AM | Related to #1973                                                    |
| 1603 | OsmoMSC | Feature | New         | Low      | Interfacing the MSC with other networks: Roaming interfaces / MAP                                |           | 07/18/2019 06:13 AM |                                                                     |
| 1599 | OsmoMSC | Feature | New         | Normal   | Gs interface (BSSMAP+) between SGSN and MSC/VLR                                                  |           | 06/13/2020 05:52 PM | Related to #1583,Related to #1747,Related to #1599,Related to #4485 |
| 25   | OsmoMSC | Feature | New         | Low      | Call HOLD / RETRIEVE support for internal MNCC                                                   |           | 08/01/2019 03:06 PM |                                                                     |
| 6136 | OsmoMGW | Feature | Stalled     | Normal   | libosmo-mgcp-client should ignore unknown codecs in SDP                                          | jolly     | 12/07/2023 06:27 AM | Related to #6136,Related to #6177,Blocks #6136                      |
| 4841 | OsmoMGW | Feature | Stalled     | Low      | TC_e1_crcx_and_dlcx_ep does not pass - move the IPA code out of libosmo-abis                     | dexter    | 10/11/2021 10:10 AM | Related to #4841,Related to #4841                                   |
| 3352 | OsmoMGW | Feature | Feedback    | Low      | osmo-mgw does not allow multiple codecs in LCO                                                   | neels     | 01/08/2020 10:25 PM |                                                                     |
| 6171 | OsmoMGW | Feature | In Progress | Normal   | mgcp-client API: there should be a separate mgcp_codec_param for each codec in mgcp_msg.codecs[] | dexter    | 11/01/2023 04:15 PM | Related to #6171                                                    |
| 5214 | OsmoMGW | Feature | In Progress | Normal   | osmo-mgw multithreading                                                                          | Hoernchen | 08/31/2021 09:20 AM |                                                                     |
| 4535 | OsmoMGW | Feature | In Progress | Low      | Develop "E1/Abis generator"                                                                      | laforge   | 01/02/2022 01:57 PM | Precedes #2547                                                      |
| 5730 | OsmoMGW | Feature | New         | Low      | Fax over GSM support                                                                             | manawyrm  | 10/16/2023 08:53 PM | Precedes #5730                                                      |
| 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                  |
| 5279 | OsmoMGW | Feature | New         | Normal   | systemd service / unit for multiple osmo-mgw on one machine                                      | osmith    | 10/25/2021 11:41 AM |                                                                     |
| 4551 | OsmoMGW | Feature | New         | Normal   | Dynamic/runtime allocation of new endpoints                                                      |           | 05/14/2020 10:56 PM |                                                                     |
| 4150 | OsmoMGW | Feature | New         | Low      | dead code / If an MDCX omits SDP, all codec config might be cleared                              |           | 08/13/2019 11:01 PM |                                                                     |
| 4092 | OsmoMGW | Feature | New         | Normal   | Osmux: Support dynamic allocation of osmux sockets                                               | pespin    | 08/10/2022 07:50 AM | Related to #4092                                                    |
| 3207 | OsmoMGW | Feature | New         | Low      | Support for RTP Payload Format according to "ETSI TS 101 318"                                    |           | 04/24/2018 03:53 PM |                                                                     |
| 2702 | OsmoMGW | Feature | New         | Low      | libosmo-mgcp doesn't use osmo_sock_API                                                           |           | 12/03/2017 09:42 AM |                                                                     |
| 2651 | OsmoMGW | Feature | New         | Low      | Support MGCP Piggybacking                                                                        |           | 11/18/2017 05:44 PM |                                                                     |
| 2580 | OsmoMGW | Feature | New         | Low      | implement timeout/resend mechanism for mgcp_client                                               |           | 09/04/2019 09:26 AM |                                                                     |
| 2546 | OsmoMGW | Feature | New         | Low      | support play-out/announcement endpoint type                                                      |           | 10/06/2017 12:30 PM |                                                                     |
| 2523 | OsmoMGW | Feature | New         | Normal   | transcoding: remove "not yet implemented" from MNCC manual once transcoding is in place          | daniel    | 03/16/2018 07:54 PM |                                                                     |
| 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 |                                                                     |

| #    | Project   | Tracker | Status      | Priority | Subject                                                                                   | Assignee | Updated             | Related issues                                     |
|------|-----------|---------|-------------|----------|-------------------------------------------------------------------------------------------|----------|---------------------|----------------------------------------------------|
| 6127 | OsmoHNBGW | Feature | Feedback    | Normal   | Submit RAB Modification Req towards HNB to update its peer luUP address if MGW changed it | pespin   | 11/29/2023 06:45 PM |                                                    |
| 5153 | OsmoHNBGW | Feature | In Progress | Normal   | support hnbgw co-located GTP-U proxy (UPF)                                                | neels    | 11/15/2022 09:54 AM | Related to #5154,Related to #5153                  |
| 6395 | OsmoHNBGW | Feature | New         | Low      | PFCP URR support in osmo-hnbgw                                                            |          | 03/22/2024 08:08 AM | Related to #6395                                   |
| 6285 | OsmoHNBGW | Feature | New         | Low      | IUFP needs not CRCX in loopback mode                                                      |          | 12/04/2023 03:58 AM |                                                    |
| 6137 | OsmoHNBGW | Feature | New         | Normal   | ip.access Nano3G                                                                          | lynxis   | 10/21/2023 07:24 PM |                                                    |
| 6085 | OsmoHNBGW | Feature | New         | Low      | context_map_sccp.c parrots states/events that the SCCP-SCOC FSM already handles           | neels    | 10/18/2023 03:31 PM |                                                    |
| 6051 | OsmoHNBGW | Feature | New         | Low      | misnomer in internal SCCP functions                                                       | neels    | 07/06/2023 08:26 PM |                                                    |
| 5904 | OsmoHNBGW | Feature | New         | Normal   | HNBAP Register Request handling does checks that seem to make no sense                    | neels    | 09/01/2023 05:00 AM |                                                    |
| 5867 | OsmoHNBGW | Feature | New         | Normal   | HNBGW_Tests.ttcn should do HNBAP UE Register and De-Register tests                        |          | 01/21/2023 02:30 AM |                                                    |
| 5816 | OsmoHNBGW | Feature | New         | Low      | Picocells available in R.U                                                                |          | 03/09/2024 07:09 PM |                                                    |
| 5813 | OsmoHNBGW | Feature | New         | Low      | Alcatel-Lucent femtocells available in Europe                                             |          | 03/09/2024 07:09 PM |                                                    |
| 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                  |
| 4882 | OsmoHNBGW | Feature | New         | Low      | HSPA+ Picocell available in U.S                                                           |          | 03/09/2024 07:08 PM |                                                    |
| 4790 | OsmoHNBGW | Feature | New         | Low      | Vodafone HSPA+ femtocell available in Deutschland                                         |          | 03/09/2024 07:08 PM |                                                    |
| 4574 | OsmoHNBGW | Feature | New         | Low      | Femtocell choice in 2020/06                                                               |          | 03/09/2024 07:09 PM |                                                    |
| 4128 | OsmoHNBGW | Feature | New         | Low      | Add support of Huawei hNodeB protocol                                                     |          | 07/24/2019 03:39 PM |                                                    |
| 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 |
| 2394 | OsmoHNBGW | Feature | New         | Low      | Implement SABP (Service Area Broadcast Protocol)                                          | laforge  | 12/30/2020 01:19 AM | Related to #2392,Related to #3979                  |
| 1997 | OsmoHNBGW | Feature | New         | Normal   | Improve error check at compilation time                                                   |          | 10/21/2021 04:28 PM |                                                    |
| 6135 | OsmoHLR   | Feature | Stalled     | Normal   | Implement routing of SMS-over-GSUP messages between connected MSC/VLRs and SMSCs          | falconia | 01/09/2024 01:11 PM | Related to #6312                                   |
| 2542 | OsmoHLR   | Feature | Stalled     | Low      | have subscriber create-on-demand                                                          | osmith   | 03/10/2022 03:40 PM | Related to #2541,Related to #5183                  |
| 5865 | OsmoHLR   | Feature | New         | Low      | Automate selection of LU Reject Cause                                                     |          | 02/16/2023 10:36 AM |                                                    |
| 5183 | OsmoHLR   | Feature | New         | Low      | EIR functionality                                                                         |          | 06/16/2021 06:22 AM | Related to #5183                                   |

| #    | Project       | Tracker | Status  | Priority | Subject                                                                                                                | Assignee | Updated             | Related issues                         |
|------|---------------|---------|---------|----------|------------------------------------------------------------------------------------------------------------------------|----------|---------------------|----------------------------------------|
| 4588 | OsmoHLR       | Feature | New     | Low      | OsmoHLR doesn't appear to have any statistics / counters                                                               |          | 06/06/2020 09:44 AM |                                        |
| 3732 | OsmoHLR       | Feature | New     | Low      | Support tacdb query in HLR                                                                                             |          | 07/18/2019 06:12 AM | Related to #3732                       |
| 3649 | OsmoHLR       | Feature | New     | Low      | Investigate LMDB as HLR data storage                                                                                   |          | 10/12/2018 11:35 AM | Related to #3649                       |
| 3644 | OsmoHLR       | Feature | New     | Normal   | allow arbitrary bytes in Global Title (GT), a.k.a. the VLR,SGSN's identification towards the HLR                       | neels    | 12/01/2019 10:02 AM | Related to #3644,Related to #3644      |
| 3019 | OsmoHLR       | Feature | New     | Low      | add config for number of auth tuples returned                                                                          |          | 06/23/2018 06:58 PM |                                        |
| 2840 | OsmoHLR       | Feature | New     | Low      | HLR should allow 2g-only or 3g-only subscribers                                                                        | neels    | 10/28/2020 09:22 PM |                                        |
| 2567 | OsmoHLR       | Feature | New     | Low      | tell the MSC(s) when subscriber data has changed                                                                       |          | 10/11/2017 01:50 AM |                                        |
| 1643 | OsmoHLR       | Feature | New     | Low      | programmatic access to new asynchronous external HLR                                                                   |          | 12/10/2017 08:06 PM | Related to #1643,Blocks #1643          |
| 2197 | OsmoGSMTester | Feature | Stalled | Normal   | osmo-gsm-tester: use MNCC interface                                                                                    |          | 11/30/2017 10:41 AM | Related to #2194,Is duplicate of #2197 |
| 5839 | OsmoGSMTester | Feature | New     | Normal   | Ability to switch off the osmo-trx machine                                                                             | pespin   | 12/20/2022 05:43 PM |                                        |
| 5838 | OsmoGSMTester | Feature | New     | Normal   | Implement power switching for all BTSs                                                                                 |          | 12/20/2022 05:30 PM |                                        |
| 4900 | OsmoGSMTester | Feature | New     | Low      | hardware and wiring verification / selftest                                                                            |          | 12/08/2020 11:03 AM |                                        |
| 4808 | OsmoGSMTester | Feature | New     | Low      | osmo-gsm-tester: Add test setup to verify baseband frequency hopping                                                   | pespin   | 03/31/2023 03:25 PM |                                        |
| 4502 | OsmoGSMTester | Feature | New     | Low      | osmo-gsm-tester: support gpio controlled step attenuators of the LTHW main unit                                        | pespin   | 03/31/2023 03:28 PM |                                        |
| 4406 | OsmoGSMTester | Feature | New     | Low      | osmo-gsm-tester: Support setting auth_algo milenage or similar on osmocom software and filling HLR parameters like OPC | pespin   | 03/31/2023 03:26 PM | Related to #4407                       |
| 3564 | OsmoGSMTester | Feature | New     | Normal   | Investigate ofono and modems Cell Broadcast support                                                                    |          | 01/08/2020 10:42 PM | Related to #3564                       |
| 3234 | OsmoGSMTester | Feature | New     | Low      | osmo-gsm-tester: poll the python-smplib socket using non-busy approach                                                 | pespin   | 03/31/2023 03:28 PM | Related to #2512                       |
| 2861 | OsmoGSMTester | Feature | New     | Normal   | osmo-gsm-tester: Add 3g support for sismocell-5k                                                                       |          | 12/02/2019 01:36 PM | Related to #2860                       |
| 2860 | OsmoGSMTester | Feature | New     | Low      | osmo-gsm-tester: Add 3g support with nano3G board                                                                      | pespin   | 03/31/2023 03:26 PM | Related to #2860                       |
| 2707 | OsmoGSMTester | Feature | New     | Normal   | Add support for verifying content of log files after test is run                                                       |          | 12/04/2017 05:05 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 |                                        |
| 2468 | OsmoGSMTester | Feature | New     | Low      | ofono: gobi modem doesn't support ofono SupplementaryServices interface                                                |          | 01/08/2020 10:51 PM |                                        |
| 2432 | OsmoGSMTester | Feature | New     | Low      | ofono: Find out how to receive Status / Delivery report                                                                |          | 01/08/2020 10:51 PM |                                        |
| 2399 | OsmoGSMTester | Feature | New     | Normal   | add tests for graceful restart of individual components                                                                |          | 07/25/2017 12:02 AM |                                        |
| 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                                                     |
|------|----------------------------|---------|-------------|----------|---------------------------------------------------------------------------------------|----------|---------------------|--------------------------------------------------------------------|
| 2318 | OsmoGSMTester              | Feature | New         | Normal   | testing sysmobs: 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 |                                                                    |
| 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 |                                                                    |
| 6223 | OsmoGGSN (former OpenGGSN) | Feature | In Progress | High     | TTCN3 unit test[s] for GTPv1U with extension headers                                  | osmith   | 01/31/2024 08:19 PM | Related to #6223                                                   |
| 6096 | OsmoGGSN (former OpenGGSN) | Feature | In Progress | Urgent   | add support for kernel-GTP IPv6                                                       | osmith   | 03/25/2024 12:10 PM | Related to #6096, Related to #6106, Related to #6096, Blocks #6096 |
| 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                                                   |
| 4433 | OsmoGGSN (former OpenGGSN) | Feature | New         | Normal   | sgsnemu: Add support for IPv4v6 EUAs                                                  |          | 03/04/2020 10:44 AM |                                                                    |
| 4415 | OsmoGGSN (former OpenGGSN) | Feature | New         | Normal   | Document in OsmoGGSN User Manual the IPv6 allocation process over GTP                 |          | 02/25/2020 03:05 PM |                                                                    |
| 4033 | OsmoGGSN (former OpenGGSN) | Feature | New         | Normal   | ttn3-ggsn-test: Add tests to verify secondary pdp context management                  |          | 05/30/2019 03:19 PM |                                                                    |
| 2946 | OsmoGGSN (former OpenGGSN) | Feature | New         | Low      | Add test suite for sgsnemu                                                            | pespin   | 11/21/2019 05:03 PM |                                                                    |
| 2494 | OsmoGGSN (former OpenGGSN) | Feature | New         | Low      | IPv6 support on the outer (transport) layer                                           |          | 02/06/2021 12:09 PM |                                                                    |
| 5757 | OsmoDia2GSUP               | Feature | Feedback    | Normal   | functional test suite for osmo_dia2gsup                                               | lynxis   | 09/06/2023 02:48 PM |                                                                    |

| #    | Project           | Tracker | Status      | Priority | Subject                                                                                   | Assignee | Updated             | Related issues                                                      |
|------|-------------------|---------|-------------|----------|-------------------------------------------------------------------------------------------|----------|---------------------|---------------------------------------------------------------------|
| 5758 | OsmoDia2GSUP      | Feature | New         | Normal   | bring osmo_dia2gsup to production quality                                                 | lynxis   | 03/30/2023 08:13 PM |                                                                     |
| 4596 | OsmocomTETRA      | Feature | New         | Normal   | Port to GR3.8                                                                             |          | 01/08/2021 05:23 PM |                                                                     |
| 5395 | OsmocomDECT       | Feature | New         | Normal   | Support for LMX3161                                                                       |          | 01/09/2022 12:55 PM |                                                                     |
| 3424 | OsmocomBB SDR PHY | Feature | Stalled     | Normal   | Transceiver: implement automatic TX delay measurement                                     |          | 07/09/2023 07:46 PM |                                                                     |
| 3423 | OsmocomBB SDR PHY | Feature | Stalled     | Normal   | Receiver: hard-coded GSM 05.02 channel configuration                                      |          | 07/09/2023 07:45 PM |                                                                     |
| 5502 | OsmocomBB         | Feature | Stalled     | Normal   | MS-side LLC implementation                                                                | pespin   | 09/14/2023 03:59 PM | Related to #5502,Related to #5502                                   |
| 5501 | OsmocomBB         | Feature | Stalled     | Normal   | MS-side GPRS Mobility Management (GMM) + Session Management (SM)                          | pespin   | 09/14/2023 04:03 PM | Related to #5501,Related to #5502,Related to #5504,Related to #5505 |
| 3399 | OsmocomBB         | Feature | Stalled     | High     | mobile: refactor / finish external MNCC handler implementation                            | fixeria  | 10/04/2018 09:07 PM |                                                                     |
| 2555 | OsmocomBB         | Feature | Stalled     | Normal   | script interface to OsmocomBB "mobile"                                                    | zecke    | 06/08/2020 07:07 PM | Related to #2555,Related to #2555,Blocks #2893                      |
| 2409 | OsmocomBB         | Feature | Stalled     | High     | Add GPRS support to virt_phy and L1CTL                                                    | fixeria  | 08/19/2022 03:06 PM |                                                                     |
| 1461 | OsmocomBB         | Feature | Stalled     | High     | include some version information / negotiation in the L1CTL protocol                      | fixeria  | 10/27/2021 10:17 PM | Related to #1461,Related to #5815                                   |
| 6115 | OsmocomBB         | Feature | Feedback    | Normal   | modem: MTU not set properly on tun iface                                                  | pespin   | 12/08/2023 05:48 PM | Related to #6115,Related to #6298                                   |
| 5503 | OsmocomBB         | Feature | Feedback    | Normal   | expose GPRS user plane via tun device                                                     | pespin   | 08/28/2023 10:38 PM | Related to #6115                                                    |
| 4030 | OsmocomBB         | Feature | In Progress | Normal   | design breakout board for GTM900-B                                                        | mschramm | 01/05/2024 08:00 AM | Related to #4575,Related to #4610                                   |
| 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                                   |
| 6132 | OsmocomBB         | Feature | New         | Normal   | Add MS_GPRS_Tests to osmo-ttcn3-hacks                                                     | fixeria  | 10/04/2023 10:29 PM | Related to #6132                                                    |
| 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                                   |

| #    | Project                                                | Tracker | Status  | Priority | Subject                                                                               | Assignee | Updated             | Related issues                                 |
|------|--------------------------------------------------------|---------|---------|----------|---------------------------------------------------------------------------------------|----------|---------------------|------------------------------------------------|
| 5812 | OsmocomBB                                              | Feature | New     | Low      | mobile: missing AMR support                                                           |          | 12/06/2022 03:07 PM | Related to #5812                               |
| 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                               |
| 5466 | OsmocomBB                                              | Feature | New     | Normal   | CP2102N evaluation for burst_ind baudrate                                             | laforge  | 02/22/2022 07:17 PM |                                                |
| 4418 | OsmocomBB                                              | Feature | New     | Normal   | test-sim: support all libosmocore algorithms (comp128 v1, v2, v3; MILENAGE)           |          | 02/26/2020 11:41 PM |                                                |
| 3666 | OsmocomBB                                              | Feature | New     | Normal   | trxcon: Introduce VTY interface                                                       | fixeria  | 02/26/2020 02:43 PM | Related to #3667                               |
| 3387 | OsmocomBB                                              | Feature | New     | Low      | osmocon: Use libosmocore logging system                                               |          | 10/05/2018 04:21 PM |                                                |
| 3280 | OsmocomBB                                              | Feature | New     | Low      | Multiparty SS support in OsmocomBB                                                    |          | 05/22/2018 07:40 AM |                                                |
| 2913 | OsmocomBB                                              | Feature | New     | Low      | Add a tool that decodes Cell Broadcasts (SMSCB)                                       |          | 09/29/2018 09:31 AM | Related to #3564                               |
| 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 |                                                |
| 6447 | Osmocom Conferences (OsmoDevCon, OsmoCon, OsmoDevCall) | Feature | New     | Normal   | have more time slots without a takl                                                   |          | 05/07/2024 11:48 AM |                                                |
| 5167 | Osmocom Analog                                         | Feature | New     | Low      | LimeNet Micro                                                                         |          | 04/02/2023 08:57 AM |                                                |
| 5143 | Osmocom Analog                                         | Feature | New     | Low      | Using ADALM PLUTO SDR with osmocom-analog                                             | jolly    | 05/05/2021 05:01 PM |                                                |
| 4971 | Osmocom Analog                                         | Feature | New     | Low      | OsmoCC Socket Documentation                                                           | jolly    | 10/18/2023 02:49 PM |                                                |
| 3672 | Osmocom Analog                                         | Feature | New     | Normal   | Custom announcement and tones                                                         | jolly    | 02/01/2021 10:25 AM |                                                |
| 5721 | OsmoCBC                                                | Feature | New     | Normal   | CBC messages Geographical Scope and CBS Index                                         |          | 10/19/2022 07:23 AM |                                                |
| 5641 | OsmoCBC                                                | Feature | New     | Normal   | OsmoCBC doesn't yet support reloading cells becoming operational with active messages |          | 08/05/2022 05:10 PM |                                                |
| 4944 | OsmoCBC                                                | Feature | New     | Low      | 3G SABP support in OsmoCBC                                                            | laforge  | 01/13/2021 09:13 AM | Related to #4944,Related to #4944              |
| 3977 | OsmoCBC                                                | Feature | New     | High     | SABP stream delineation routines                                                      | laforge  | 09/23/2019 04:49 AM | Related to #3979,Related to #4944              |
| 4941 | OsmoBTS                                                | Feature | Stalled | Normal   | VAMOS support in OsmoBTS                                                              | fixeria  | 03/18/2022 01:19 AM | Related to #4941,Related to #4941,Blocks #4941 |
| 3155 | OsmoBTS                                                | Feature | Stalled | High     | execute BTS_Tests.ttcn with real (C123) phone hardware in LTHW setup                  | pespin   | 12/04/2020 07:30 PM | Related to #3353,Related to #3155              |

| #    | Project | Tracker | Status  | Priority | Subject                                                                                        | Assignee | Updated             | Related issues                                                                                                         |
|------|---------|---------|---------|----------|------------------------------------------------------------------------------------------------|----------|---------------------|------------------------------------------------------------------------------------------------------------------------|
| 2977 | OsmoBTS | Feature | Stalled | Normal   | OsmoBTS measurment processing at L1SAP too complex / pass measurements along with data         | dexter   | 05/18/2020 06:47 PM | Related to #2977,Related to #2977,Related to #3530,Related to #3428,Related to #3395,Related to #2977,Related to #3803 |
| 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                                                                                      |
| 6036 | OsmoBTS | Feature | New     | Normal   | Implement ternary SID classification for HR1 uplink                                            |          | 05/17/2023 09:48 PM | Related to #6036,Related to #6036                                                                                      |
| 5256 | OsmoBTS | Feature | New     | High     | support for random padding in LAPDm downlink messages                                          |          | 10/12/2021 11:17 AM | Related to #5256                                                                                                       |
| 5025 | OsmoBTS | Feature | New     | Normal   | Missing TTCN-3 coverage for the Timing Advance loop                                            | fixeria  | 07/02/2021 04:28 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 |                                                                                                                        |
| 4473 | OsmoBTS | Feature | New     | Low      | Support for broadcast of MOCN related SI21/22/23                                               |          | 03/29/2020 07:39 PM | Related to #4473                                                                                                       |
| 4014 | OsmoBTS | Feature | New     | Low      | Allow multiple [virtual] BTS instances on same [SDR] hardware that supports multiple TRX       |          | 05/21/2019 12:07 PM |                                                                                                                        |
| 3329 | OsmoBTS | Feature | New     | Normal   | osmo-bts: Implement IMMEDIATE ASSIGNMENT EXTENDED                                              |          | 06/08/2018 12:02 PM | Related to #3330                                                                                                       |
| 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 |                                                                                                                        |
| 2366 | OsmoBTS | Feature | New     | Low      | OsmoBTS lacks EXTENDED BCCH support                                                            |          | 07/15/2017 10:42 AM | Related to #1575,Related to #2014                                                                                      |
| 2356 | OsmoBTS | Feature | New     | Low      | have per-SAPI logging in OsmoBTS DL1P / DL1C                                                   | osmith   | 03/19/2020 08:06 PM | Related to #2355                                                                                                       |
| 1926 | OsmoBTS | Feature | New     | Low      | unify *_mgr code                                                                               |          | 07/18/2019 06:08 AM |                                                                                                                        |
| 1902 | OsmoBTS | Feature | New     | Low      | unify/refactor dynamic timeslot code                                                           |          | 01/08/2020 10:56 PM | Related to #1902,Related to #3099                                                                                      |
| 1837 | OsmoBTS | Feature | New     | Low      | autogenerate dtx_dl_amr_fsm.*                                                                  |          | 03/01/2018 11:17 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                                                                                                       |
| 1692 | OsmoBTS | Feature | New     | Low      | clock source monitoring                                                                        |          | 04/13/2016 09:49 AM |                                                                                                                        |
| 1579 | OsmoBTS | Feature | New     | Low      | Use epoll                                                                                      |          | 01/15/2021 01:44 PM |                                                                                                                        |



| #    | Project    | Tracker | Status      | Priority | Subject                                                                       | Assignee | Updated             | Related issues                                                                                                         |
|------|------------|---------|-------------|----------|-------------------------------------------------------------------------------|----------|---------------------|------------------------------------------------------------------------------------------------------------------------|
| 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 |                                                                                                                        |
| 1568 | OsmoBTS    | Feature | New         | Low      | Move various code bits to libosmocore                                         | fixeria  | 07/18/2019 06:08 AM |                                                                                                                        |
| 1561 | OsmoBTS    | Feature | New         | Low      | Multi-TRX support (one osmo-bts process per TRX)                              |          | 02/23/2016 03:18 PM |                                                                                                                        |
| 61   | OsmoBTS    | Feature | New         | Low      | osmo-bts: split TRAU/RTP frame handling into separate process                 |          | 06/13/2016 01:16 PM |                                                                                                                        |
| 2545 | OsmoBSCNAT | Feature | Stalled     | Low      | OsmoBSCNAT misses 3GPP AoIP                                                   | osmith   | 10/12/2022 01:15 PM | Related to #5152,Related to #5359,Related to #5574                                                                     |
| 4124 | OsmoBSCNAT | Feature | New         | Normal   | OsmoBSCNAT : Write user manual                                                |          | 01/08/2020 10:56 PM | Related to #4124                                                                                                       |
| 4940 | OsmoBSC    | Feature | Stalled     | High     | VAMOS support in OsmoBSC                                                      | neels    | 08/11/2021 02:47 PM | Related to #4941                                                                                                       |
| 4716 | OsmoBSC    | Feature | Stalled     | Normal   | support handover between different codec types, like TCH/F FR1 <--> TCH/H HR1 | neels    | 10/28/2020 08:22 PM | Related to #4717                                                                                                       |
| 3659 | OsmoBSC    | Feature | Stalled     | High     | handover during LCLS directly between BTSs                                    | dexter   | 05/22/2023 09:23 AM | Related to #3659,Related to #3659,Related to #3659,Related to #3659,Related to #3659,Related to #3659,Related to #3783 |
| 2893 | OsmoBSC    | Feature | Stalled     | Low      | automatic simulator for large LU load                                         |          | 09/04/2019 09:23 AM | Related to #2722,Related to #2591,Blocks #2893,Blocks #2893                                                            |
| 5106 | OsmoBSC    | Feature | Feedback    | Urgent   | Watchdog that would try to un-BORKE BORKen timeslots                          | keith    | 02/07/2023 06:25 PM | Related to #5106,Related to #5785,Related to #5786,Related to #5106                                                    |
| 2781 | OsmoBSC    | Feature | Feedback    | Normal   | Extend OsmBSC TTCN-3 test coverage regarding resource leaks                   | neels    | 03/25/2022 05:56 AM | Related to #2781,Related to #2781,Related to #5355,Related to #5337                                                    |
| 5755 | OsmoBSC    | Feature | In Progress | High     | io_uring support in osmo-bsc                                                  | jolly    | 03/02/2024 08:06 PM | Related to #5755,Related to #6357                                                                                      |
| 4922 | OsmoBSC    | Feature | In Progress | Normal   | Implement MS Power Control                                                    | keith    | 11/04/2021 06:37 PM |                                                                                                                        |

| #    | Project | Tracker | Status      | Priority | Subject                                                                                                                                  | Assignee | Updated             | Related issues                                                      |
|------|---------|---------|-------------|----------|------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------|---------------------------------------------------------------------|
| 4537 | OsmoBSC | Feature | In Progress | Normal   | OsmoBSC needs strategies to recover broken Ichan (Ichan state BORKEN)                                                                    |          | 11/20/2023 05:03 PM | Related to #4537,Related to #4540,Related to #4541,Related to #5106 |
| 1605 | OsmoBSC | Feature | In Progress | Low      | logging / ring buffer for ALERT messages from A-bis OML from the BTS side                                                                | osmith   | 03/27/2020 09:40 AM | Related to #1605                                                    |
| 5740 | OsmoBSC | Feature | New         | Low      | Disallow unworkable AMR modes.                                                                                                           | keith    | 11/08/2022 05:15 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 |                                                                     |
| 5156 | OsmoBSC | Feature | New         | Low      | Support intraBSC handover between distinct BTS types                                                                                     |          | 11/04/2021 06:27 PM |                                                                     |
| 4990 | OsmoBSC | Feature | New         | Low      | TTCN3 test for AMR MultiRate IEs in RR and RSL                                                                                           |          | 07/02/2021 04:34 PM |                                                                     |
| 4981 | OsmoBSC | Feature | New         | Low      | Support for generating BSSMAP RESOURCE INDICATION                                                                                        |          | 01/27/2021 03:02 PM | Related to #4982                                                    |
| 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                                   |
| 4682 | OsmoBSC | Feature | New         | Low      | OM2000 MCTR Support for Ericsson RBS6000 / DUG 20                                                                                        |          | 07/30/2020 06:51 AM | Precedes #4682                                                      |
| 4650 | OsmoBSC | Feature | New         | Normal   | Add BIG FAT error message in case OM2000 BTS fail to start up                                                                            | laforge  | 07/04/2020 07:30 PM |                                                                     |
| 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 |                                                                     |
| 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 |                                                                     |
| 4189 | OsmoBSC | Feature | New         | Low      | TTCN-3 tests for load-based hand-over in BSC                                                                                             |          | 09/04/2019 09:10 AM | Related to #4189                                                    |
| 4010 | OsmoBSC | Feature | New         | Low      | Test RSL CHAN ACT related details for different scenarios                                                                                | neels    | 02/06/2021 10:04 AM | Related to #4010,Related to #4010                                   |
| 3872 | OsmoBSC | Feature | New         | Normal   | osmo_scu_prim.conn_id should be picked from a distinct number space for outgoing and incoming N-CONNECT                                  | osmith   | 03/28/2019 08:06 PM | Blocks #3872                                                        |
| 3831 | OsmoBSC | Feature | New         | Low      | BSC support for "network sharing" via MOCN                                                                                               |          | 01/20/2021 10:03 AM | Related to #4473                                                    |
| 3656 | OsmoBSC | Feature | New         | Normal   | inter-BSC handover outgoing: compose Cell Identifier List from several ARFCN+BSIC                                                        | neels    | 06/08/2020 07:08 PM | Related to #3656                                                    |

| #    | Project | Tracker | Status | Priority | Subject                                                                                                                                    | Assignee | Updated             | Related issues                                     |
|------|---------|---------|--------|----------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------|----------------------------------------------------|
| 3638 | OsmoBSC | Feature | New    | Low      | handover decision 2: load balancing across BSS                                                                                             |          | 10/16/2018 01:16 PM | Related to #3638,Related to #3638,Related to #3638 |
| 3586 | OsmoBSC | Feature | New    | Normal   | support LCLS for inter-BSC handover                                                                                                        | neels    | 01/17/2019 04:18 PM | Related to #3586,Related to #3659                  |
| 3505 | OsmoBSC | Feature | New    | Normal   | ttn3: test inter-BSC HO with encryption enabled                                                                                            | neels    | 08/28/2018 06:38 PM | Related to #3505                                   |
| 3486 | OsmoBSC | Feature | New    | Low      | handover decision: congestion: figure out the tradeoff: re-assign within same cell vs. handover to another cell                            |          | 10/16/2018 01:16 PM | Related to #3486,Related to #3638                  |
| 3485 | OsmoBSC | Feature | New    | Low      | handover to make room for a less capable subscriber                                                                                        |          | 10/16/2018 01:16 PM | Related to #3485                                   |
| 3484 | OsmoBSC | Feature | New    | Low      | handover decision: if rxlev is ok but rxqual is bad, move to different timeslot with same TCH kind to avoid interference                   |          | 10/16/2018 01:30 PM |                                                    |
| 3483 | OsmoBSC | Feature | New    | Normal   | handover decision: if rxlev is ok but rxqual is bad, move from TCH/H to TCH/F                                                              | neels    | 10/16/2018 01:53 PM | Related to #3483                                   |
| 3482 | OsmoBSC | Feature | New    | Low      | handover decision: if a new call causes congestion that would trigger immediate re-assignment, assigning the other TCH kind from the start |          | 10/16/2018 01:15 PM | Related to #3482                                   |
| 3481 | OsmoBSC | Feature | New    | Normal   | handover from TCH/H to TCH/F to reduce load                                                                                                |          | 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                                   |
| 3330 | OsmoBSC | Feature | New    | Normal   | osmo-bsc: Implement IMMEDIATE ASSIGNMENT EXTENDED                                                                                          |          | 06/08/2018 12:14 PM | Related to #3330                                   |
| 3097 | OsmoBSC | Feature | New    | Normal   | ramping of "rxlev access min"                                                                                                              |          | 03/22/2018 11:51 AM | Related to #3097                                   |
| 2918 | OsmoBSC | Feature | New    | Low      | Implement a function to properly test connection clearing in MSC_ConnectionHandler.ttcn (BSC-Tests)                                        |          | 01/08/2020 10:21 PM |                                                    |
| 2724 | OsmoBSC | Feature | New    | Normal   | Improve default timers                                                                                                                     | laforge  | 01/04/2018 11:06 AM | Related to #2724                                   |
| 2462 | OsmoBSC | Feature | New    | Low      | clarify lchan->encr.alg_id                                                                                                                 |          | 08/24/2017 01:27 PM | Related to #2462                                   |
| 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                                   |
| 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                  |
| 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 |                                                    |

| #    | Project            | Tracker | Status      | Priority | Subject                                                                        | Assignee | Updated             | Related issues                                 |
|------|--------------------|---------|-------------|----------|--------------------------------------------------------------------------------|----------|---------------------|------------------------------------------------|
| 1613 | OsmoBSC            | Feature | New         | Low      | make BTS/TRX configuration changes without having to drop BTS OML link         |          | 12/10/2017 08:06 PM |                                                |
| 1600 | OsmoBSC            | Feature | New         | Low      | BSC: Make SI / rest octests more configurable                                  |          | 12/10/2017 08:04 PM |                                                |
| 39   | OsmoBSC            | Feature | New         | Low      | Logging filter on bts/trx or such                                              |          | 06/08/2020 07:07 PM |                                                |
| 5012 | osmo-uecups        | Feature | New         | Low      | use osmo-uecups from GGSN_Tests.ttcn                                           | pespin   | 02/06/2021 10:02 AM | Related to #5012                               |
| 4498 | osmo-uecups        | Feature | New         | Normal   | IPv6 neighbor discovery                                                        | laforge  | 04/17/2020 08:33 AM |                                                |
| 4496 | osmo-uecups        | Feature | New         | Low      | implement filters for sharing as single tun device between multiple bearers    | laforge  | 04/17/2020 08:31 AM |                                                |
| 1685 | osmo-sip-connector | Feature | In Progress | Normal   | osmo-sip-connector: Review and define log statements and which info to include | osmith   | 09/04/2019 09:31 AM |                                                |
| 4762 | osmo-sip-connector | Feature | New         | Low      | Osmo Analog Support                                                            |          | 09/25/2020 07:31 AM | Related to #4763                               |
| 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 |                                                |
| 5614 | osmo-remsim        | Feature | New         | Normal   | log also application-level errors                                              | laforge  | 07/11/2022 08:09 PM |                                                |
| 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 |                                                |
| 4249 | osmo-remsim        | Feature | New         | Normal   | ability to explicitly provision an "empty SIM card slot" to a modem            | laforge  | 09/08/2021 07:48 PM | Related to #5216                               |
| 3887 | osmo-remsim        | Feature | New         | Low      | remsim-client: allow for local handling of APDUs                               | laforge  | 12/03/2019 12:20 AM |                                                |
| 3886 | osmo-remsim        | Feature | New         | Normal   | expose ICCID or even IMSI of all cards on remsim-server                        | laforge  | 05/08/2019 03:31 PM | Precedes #3886                                 |
| 3885 | osmo-remsim        | Feature | New         | Normal   | remsim-server should expose status information                                 | laforge  | 04/01/2019 07:23 PM | Precedes #3885                                 |
| 3884 | osmo-remsim        | Feature | New         | Normal   | redesign bankd thread architecture                                             | laforge  | 05/08/2019 03:31 PM | Related to #5527,Precedes #3885,Precedes #3886 |
| 2697 | osmo-qcdiag        | Feature | New         | Normal   | Create and add debian packages for osmo-qcdiag to osmocom debian repositories  |          | 11/30/2017 06:03 PM |                                                |
| 1908 | osmo-qcdiag        | Feature | New         | Normal   | add VTY interface to osmo-qcdiag                                               | laforge  | 01/12/2017 01:15 PM |                                                |
| 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 |                                                |
| 5745 | osmo-lab-rack      | Feature | In Progress | Low      | component carrier Ethernet switch                                              | laforge  | 02/03/2023 11:29 AM |                                                |
| 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 |                                                |
| 4522 | osmo-gbproxy       | Feature | Stalled     | High     | gbproxy: Redundancy within proxy pair                                          | daniel   | 07/09/2021 06:43 PM |                                                |

| #    | Project                                        | Tracker | Status      | Priority | Subject                                                                        | Assignee | Updated             | Related issues                    |
|------|------------------------------------------------|---------|-------------|----------|--------------------------------------------------------------------------------|----------|---------------------|-----------------------------------|
| 4951 | osmo-gbproxy                                   | Feature | In Progress | Normal   | more TTCN3 tests for SGSN pooling                                              | daniel   | 07/08/2021 08:36 PM | Related to #4951,Related to #4952 |
| 4520 | osmo-gbproxy                                   | Feature | In Progress | Normal   | gbproxy: Redundancy between NS-VCs (BSS Side)                                  | lynxis   | 02/19/2021 04:50 PM | Related to #4520                  |
| 4961 | osmo-gbproxy                                   | Feature | New         | Normal   | gbproxy support for "network sharing" via MOCN                                 |          | 01/20/2021 08:38 PM |                                   |
| 4893 | osmo-gbproxy                                   | Feature | New         | Low      | gbproxy2: Make feature bitmap configurable                                     |          | 12/08/2020 07:55 AM | Related to #4893                  |
| 4521 | osmo-gbproxy                                   | Feature | New         | Normal   | gbproxy: Redundancy between NS-VCs (SGSN Side)                                 | laforge  | 01/19/2021 05:24 PM | Related to #4959                  |
| 3210 | osmo-fl2k                                      | Feature | New         | Low      | man pages                                                                      | steve-m  | 04/24/2018 08:55 PM |                                   |
| 6332 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | Feedback    | Normal   | osmo-epdg: Write User Manual                                                   | lynxis   | 05/05/2024 11:35 PM | Related to #6332                  |
| 5861 | osmo-ePDG - VoWifi Evolved Packet Data Gateway | Feature | In Progress | Urgent   | extend charon with external authentication interface                           | lynxis   | 02/07/2024 04:00 PM | Related to #5868                  |
| 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 |                                   |
| 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 |                                   |
| 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 |                                   |
| 5520 | osmo-e1d                                       | Feature | New         | Low      | exponential back-off on octoi client reconnect attempts                        |          | 07/29/2023 07:30 AM |                                   |
| 4915 | osmo-e1d                                       | Feature | New         | Low      | consider a one-thread-per-line architecture                                    |          | 07/29/2023 07:31 AM |                                   |
| 5633 | osmo-clock-gen                                 | Feature | New         | Normal   | towards a first osmo-clock-gen production batch                                | laforge  | 07/26/2022 12:39 PM |                                   |
| 4678 | osmo-clock-gen                                 | Feature | New         | Low      | Increase mounting hole size to support M3 screws                               | mschramm | 07/25/2020 08:43 PM |                                   |
| 4810 | osmo-clock-conv                                | Feature | New         | Normal   | horizontal DC input on rear side of PCB                                        | mschramm | 10/15/2020 10:53 PM |                                   |
| 4809 | osmo-clock-conv                                | Feature | New         | Low      | alignment of DC barrel with face plate                                         | laforge  | 10/16/2020 05:29 PM | Related to #4814                  |
| 4806 | osmo-ccid-firmware                             | Feature | New         | Low      | Add support of T=1?                                                            |          | 10/15/2020 03:40 PM |                                   |
| 6319 | Osmo-CC                                        | Feature | New         | Normal   | protocol version should have a defined end marker                              | neels    | 01/10/2024 01:31 PM |                                   |
| 5480 | Open Source IMS Client                         | Feature | In Progress | High     | Linux kernel IPsec plugin for doubango                                         | laforge  | 03/25/2022 10:44 AM |                                   |
| 5484 | Open Source IMS Client                         | Feature | New         | Normal   | create setup for nested IPsec (doubango on top of StrongSWAN)                  |          | 03/07/2022 11:19 AM |                                   |

| #    | Project                               | Tracker | Status  | Priority | Subject                                                             | Assignee | Updated             | Related issues   |
|------|---------------------------------------|---------|---------|----------|---------------------------------------------------------------------|----------|---------------------|------------------|
| 5483 | Open Source IMS Client                | Feature | New     | Normal   | SIM card interface for strongswan                                   |          | 03/07/2022 03:19 PM |                  |
| 5482 | Open Source IMS Client                | Feature | New     | Normal   | VoWiFi client for creating [outer] IPsec tunnel to ePDG             |          | 03/07/2022 09:33 PM | Related to #5482 |
| 5481 | Open Source IMS Client                | Feature | New     | Urgent   | SIM card interface for doubango                                     | laforge  | 03/25/2022 11:00 AM | Related to #5482 |
| 4455 | OP25                                  | Feature | New     | Normal   | AMBE CODEC                                                          |          | 03/28/2020 09:53 PM |                  |
| 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 |                  |
| 5434 | OCTOI - Osmocom Community TDM over IP | Feature | Stalled | Normal   | more statistics / counters                                          |          | 12/03/2023 11:17 AM |                  |
| 5417 | OCTOI - Osmocom Community TDM over IP | Feature | Stalled | Low      | S/T (S0) ISDN BRI adapter with VCXO / GPS-DO                        | laforge  | 05/16/2023 08:06 AM | Related to #5436 |

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