

# RDK-V Iteration rdkv-20170724 available

RDK-V iteration [rdkv-20170724](#) is now available.

Baseline	CMF-20170724	Updates from Comcast 2017-07-24.
Post-baseline updates		
TDK	M49	<a href="https://wiki.rdkcentral.com/display/TKD/TKD+Release+M49">https://wiki.rdkcentral.com/display/TKD/TKD+Release+M49</a>
Manifest	rdkv-20170724	

## Known Issues

Emulator:

- [TDK-346](#) RDK-V CMF Emulators xcal-device service and xdiscovery not running
  - Causes most XUPNP tests to fail, issue (which is a work around procedure) is marked as resolved but the underlying issue won't be addressed until dependency on POD manager issue is removed
  - The output.json file created by this service is required for a number of the E2E tests, we have worked around this by creating the /opt/output.json file on hybrid and media client as follows:  

```
{ "playbackUrl": "http://<hybrid IP>:8080/hnStreamStart?deviceId=<hybrid mac address>&DTCP1HOST=<hybrid IP>&DTCP1PORT=5000" }
e.g. { "playbackUrl": "http://192.168.21.234:8080/hnStreamStart?deviceId=08:bb:83:b3:b3:07&DTCP1HOST=192.168.21.234&DTCP1PORT=5000" }
```
- [TDK-354](#) RDKV Emulator Testing Script Time Outs
  - We are observing inconsistency in some of the E2E tests results, i.e. tests may sometimes pass and sometimes fail with a SCRIPT TIMEOUT error
- [TDK-292](#) RDKV Emulator-HYB recorder failures requires DVR Simulator (refer to [TDK-277](#))
- [TDK-379](#) RDKV Emulator CC\_Initialization.... ERROR : Unable to find "result" in response message
- [TDK-380](#) RDKV Emulator "No such file or directory:" retrieving recordDetails.txt
- [TDK-381](#) RDKV Emulator RMF\_HNSrc\_MPSink GetMediaTime() Failures
- [TDK-382](#) RDKV Emulator RMF\_MS tests failing with "UNABLE TO OPEN THE LOG FILE"
- [TDK-383](#) RDKV Emulator DS\_GetAspect\_Ratio\_Reboot\_test\_114 Failure
- [TDK-384](#) RDKV Emulator IARMBUS Intermittent Failures

Platforms:

- Reference platform builds still have a dependency on podManager
- [RDK-283](#) Absence of POD in CMF image blocks RMF system level functionality
  - xcal device service doesn't start, so /opt/output.json file required by E2E tests not created from this iteration we have worked around this by creating the tmp/ip\_acquired file, with this workaround we can run TDK E2E tests
- [TDK-277](#) Testing of Recorder component will remain blocked until DVR Simulator code is available
- [TDK-276](#) Subset of Recorder tests still consistently failing for CMF
- [TDK-385](#) RDKV Platform DS Tests Application Fails to Set SURROUND mode
- [TDK-386](#) RDKV Platform XG1V3 Some SM Tests failing with "Json Message is in Incorrect Format !!!"
- [TDK-387](#) RDKV Platform XG1V3 XUPNP Event not received by xcal-device process
- [TDK-388](#) RDKV Platform XG1V3 RMF MPSink Set Volume Errors
- [TDK-389](#) RDKV Platform E2E Tests Failures "HNSource play failed current state not playing"
- [TDK-390](#) RDKV Platform Xi3v2 All SM Tests Fail with undefined symbol error

## Build System

- All builds (emulator and reference platforms) now use `rdk-oe` (Yocto).
- The old `build_framework` system is no longer supported.
- `rdk/components/generic/injectedbundle` cannot be built by the community because of a dependency on AVE.
- Root Filesystem uncompressed image sizes:
  - XG1v3 204136 (KiB)
  - XI3v2 197132 (KiB)

## Highlights since 20170626

- Components updated:
  - meta-cmf-bsp-emulator, meta-rdk-bsp-emulator, bluetooth, bluetooth\_mgr, dvr, gst-plugins-rdk-dvr, mediaframework, meta-cmf, meta-cmf-raspberrypi, meta-rdk, recorder, tr69, westeros, podManager, meta-cmf-restricted, audiocapturemgr, crashupload, dca, devicesettings, iarmbus, iarmmgrs, injectedbundle, netsrvmgr, rdk\_logger, rdkapps, rdkbrowser2, rmf\_mediastreamer, servicemanager, storagemanager, sys\_mon\_tools (host), sysint, tr69hostif, webpa-video, wifi, xupnp, meta-westeros-raspberrypi, tdk, tdk-advanced, devices/intel-x86-pc/rdkemulator/rdkbrowser, devices/intel-x86-pc/rdkri/mediaframework, devices/intel-x86-pc/rdkemulator/tdk, devices/intel-x86-pc/rdkri/sysint, devices/raspberrypi/dvr, devices/raspberrypi/iarmmgrs.
- Patches updated:
  - patches/qtbase-5.1.1, patches/qtwebkit-5.1.1, patches/rdk-oe.

- Community contributions:
  - [10625 \(RDKCMF-7474\)](#) Disable nlmonitor.
  - [10624 \(RDKCMF-3803\)](#) Revert " - Resolved rootfs compilation errors due to base64-dev runtime dependency"
  - [10597](#) Resource leak in WstCompositorStop
  - [10559CMF-6579](#) Initial layer config for meta-cmf-video (overrides for meta-rdk-video).
  - [10529](#) rdk.conf: don't over-ride oe-core's default WARN\_QA / ERROR\_QA lists
  - [10530](#) hdhomerun: fix packaging for unversioned .so
  - [10531](#) rdk.conf: duplicate ARM\_INSTRUCTION\_SET\_armv7a over-ride for \_armv7ve
  - [10528](#) breakpad: update lss git revision to include fixes for ARM thumb2
  - [10518 \(RDKCMF-7183\)](#) Revert ": DVR Recording and Playback on raspberrypi from wizardkit UI"
  - [10005 \(RDKCMF-7183\)](#) : DVR Recording and Playback on raspberrypi from wizardkit UI
  - [10503](#) setup-environment: test bitbake version to determine OE\_DISTRO
  - [10516 \(RDKCMF-7435\)](#) Remove Mediaframework mediaclient specific redundant overrides
  - [10514 \(RDKCMF-7431\)](#) Do not fail if patch has already been applied
  - [10319 \(RPI-7\)](#) :Randomly observing boot up issue in RaspberryPI broadband
  - [9981 \(RDKCMF-7183\)](#) : DVR Recording and Playback on raspberrypi from wizardkit UI
  - [10269 \(RDKBCMF-91\)](#) : Captive Portal bring-up on RDKB for Raspberry Pi platform.
  - [10487 \(RDKCMF-7431\)](#) Return fail status if called setup script fails.
  - [10486 \(RDKCMF-7431\)](#) Return fail status if called setup script fails.
  - [10477 \(RDKCMF-7431\)](#) Return fail status if patches do not apply correctly.
  - [10500 \(RDKCMF-7432\)](#) : coy-configure to use config file
  - [10417 \(RDKCMF-7416\)](#) Enable Non-External Source Builds
  - [10389 \(RDKCMF-7403\)](#) Modify wizardkit UI Channel icons
  - [10293 \(RPI-38\)](#) : raspberrypi build missing the /etc/env\_setup.sh script
  - [10391 \(RDKCMF-7390\)](#) Remove broadcom-refsw from wpe backend overrides
  - [10390 \(RDKCMF-7384\)](#) Add sysint override to install ip-setup-monitor.service
  - [10333 \(RDKCMF-7370\)](#) Remove opencdm bbmask
  - [10292 \(RPI-45\)](#) : [RPI-V] Streaming form Hybrid to MC is failling
  - [10311 \(RDKCMF-5857\)](#) Add build support for new Opensource webpa components
  - [10316 \(RDKCMF-5857\)](#) Add build support for new Opensource webpa components
  - [10280](#) Update overrides after meta layer upgrades
  - [10302 \(RDKCMF-7378\)](#) Merge setup-environment scripts into one script
  - [10304 \(RDKCMF-7378\)](#) Add meta-cmf-rdkb-bsp-emulator activation to setup environment script
  - [10294 \(RDKCMF-7378\)](#) Merge setup-environment scripts into one script
  - [10295 \(RDKCMF-7293\)](#) Revert " Mask out parodus."
  - [10268](#) Remove setting of linux-raspberrypi PREFERRED\_VERSION in setup environment script
  - [10254 \(RDKBCMF-88\)](#) Migrate RDK-B recipe appends to meta-cmf-broadband
  - [10241 \(RDKCMF-7355\)](#) RDKTT-1131 : NetSrvMgr Code coverage
  - [10229PATCH-551](#) Update generated patch file: 0002-RDKCMF-963generate-qtwebkit-patch-from-vanilla-OSS.[patch](#)
  - [10228PATCH-550](#) Update generated patch file: 0001-RDKCMF-963-generate-qtbase-patch-from-vanilla-OSS-qt.[patch](#)
  - [10097 \(RDKCMF-7320\)](#) : Append compilation flag to enable Qam Live Source
  - [10158 \(RDKCMF-7294\)](#) Migrate restricted recipe appends to meta-cmf-restricted
  - [10157 \(RDKCMF-7294\)](#) Migrate restricted recipe appends to meta-cmf-restricted
  - [9994 \(RDKCMF-7235\)](#) - Add deepsleep iarmmgrs hal for raspberrypi device
  - [9993 \(RDKCMF-7235\)](#) - updated iarmmgrs to build deepsleepmgr and deepsleep in hal

A detailed changelog since the last iteration ([rdkv-20170626](#)) can be found [here](#).

Details of all RDK-V releases and iterations can be found [here](#)