# 2019-06-14 RDKC Meeting notes

## Date

14 Jun 2019

## Attendees

- Khem Raj
- Ajith James
- Revathy Elangovan
- Z-Kapil Shukla
- Rajkumar Narayanan

## Goals

- **Dev Update**
- **Feature Testing**
- **Concerns / Blocking Points**
- **Future Plans**
- **Community, TDK Issues/Tickets**

## Discussion items

| Item | Who | Notes | JIRA Ticket | Target | Status |
|------|-----|-------|-------------|--------|--------|
|      |     |       |             |        |        |

| Yocto Migration  + Camera Bringup | L&T: Rajkumar /Kapil | **24 May 2019**<br><br>**Platform Team :**<br><br>- Generated core minimal image using the recipe rdk-geneirc-camera-img.bb<br>- Analysis on RDK-C manifest and listed out the recipes need to be written and available ones<br>- Planned to have validation using userland utilities like raspistil, raspivid etc<br>- Also would like to valid the streaming use cases with gst-launch utilities with v4l2 src and glimage sinks etc<br><br>**RDK-C Team :**<br><br>- Working on the Yocto recipes for the SoC SDK with minimal boot core image with external toolchains<br>- Suggesting for the streaming use cases for first validation along with basic features such as Webpa<br><br>**RDK-M Team :**<br><br>- Need to work along with Revathy on the meta layers for proposing the changes on recipes<br>- Raj to come up with road-map plan for covering the features<br>- As of now comcast JIRA is used for epic story ticket and in RDK wiki we shall have restricted page within the RDK-M and Comcast-RDK-C team<br><br>**31 May 2019**<br><br>**Platform Team :**<br><br>- Able to perform a media playback using the captured camera content in the RDK-V media client image through an R-Pi -3B Target board<br>  - Used gstreamer launch command : gst-launch-1.0 v4l2src ! glimagesink<br>- Currently trying to bring up the camera in the R-Pi0 and comparing the driver differences between the R-Pi3B and R-Pi0<br>- Trying for the media playback using gst command in a week in R-pi0<br>- Will be syncing up with Revathy post this call<br><br>**RDK-M Team :**<br><br>- Platform team need to discuss on the RDK-C components and its features for R-Pi0 port and come with a road-map plan on the same<br>- Need to target the release for Q-3<br><br>**07 Jun 2019**<br><br>**Platform Team :**<br><br>- Able to bring up the camera in the Ri-Pi 0 Target<br>- Able to perform a media playback using the captured camera content in the core minimal image through an R-Pi -0 Target board<br>  - Used gstreamer launch command : gst-launch-1.0 v4l2src ! glimagesink<br>- Explained comprehensive the list of available and non available yocto recipes for the components in the RDK-C Stack<br>- Will be syncing up with Revathy post this call<br><br>**RDK-M Team :**<br><br>- Please prepare the yocto skeleton design approach for hosting the camera and soc specific recipes and get it approved by RDK-C team and Khem<br>- Building from the comcast yocto repo for the core minimal image and deploying in the R-Pi Target<br>- Shall target for Media streaming and Thumbnail features<br>- Also follow up with Sundar on the open-sourcing of the RDK-C components<br>- Platform team need to discuss on the RDK-C components and its features for R-Pi0 port and come with a road-map plan on the same<br>- Need to target the release for Q-3<br><br>**14 Jun 2019**<br><br>**Platform Team :**<br><br>- Created separate configuration file for R-Pi Zero Target, which includes kernel configuration Pushed the changes with respect to Configuration and Gstreamer plugins in the Comcast Jira https://ccp.sys.comcast.net/browse/RDKC-5173<br>- Build the core minimal image from Comcast gerrit repo along with the gstreamer components<br>- Mapped RDK-C components with respect to features<br>- Able to capture video using camera and displayed to the display panel<br>- Explained with an analysis deck on the below items<br>  - Analysis on Yocto Recipes Availability and Non - Availability<br>  - RDK-Components vs feature mapping<br>  - RDK camera meta layers and recipes<br><br>**RDK-M Team :**<br><br>- Need to get confirmation from Vijay regarding the open sourcing of the EMS component and taking that as the media streaming use case<br>- Please ask Vijay to join the next call | • [RDKC-5132](#) | 30 Jun 2019 | In-Progress |

## Action items

- ☐ [Rajkumar Narayanan](#) , need to come up with a feature road map plan for RDK-C port on R-Pi0