

# [WIP] RDK-C Jan-2023 to Nov-2023

## November: Sprint 2 (Nov 06 to Nov 17):

Engineer Name	Total sprint velocity in days (10 days) [A]	Holiday (1 day) [E]	Planned Leave [B]	Default Velocity in days [A-B-E]	Backup Velocity in days for adhoc requests(1 days), If no adhoc requests this 1 days to be spent for a new Jira [C]	Scrum related activities(only for Scrum Master), Default 5 days and 1 day for individual contributor for their scrum activities [D]	Net capacity in days [A-B-E-D]
Ebrahim	10	1	0	9	-	1	8
Aditya	10	1	0	9	-	1	8
Mukesh	10	1	0	9	-	1	8
Surya I	10	1	1	8		1	7

Engineer Name	Ticket Number	Title of the ticket	Issue Type	Planned Estimate	Actual Effort	Status
Ebrahim			Task			
Mukesh			Task			
Aditya			Task			
Surya			Task			

## November: Sprint 1 (Oct 23 to Nov 03):

Engineer Name	Total sprint velocity in days (10 days) [A]	Holiday (1 day) [E]	Planned Leave [B]	Default Velocity in days [A-B-E]	Backup Velocity in days for adhoc requests(1 days), If no adhoc requests this 1 days to be spent for a new Jira [C]	Scrum related activities(only for Scrum Master), Default 5 days and 1 day for individual contributor for their scrum activities [D]	Net capacity in days [A-B-E-D]
Ebrahim	10	2	1	7	-	1	6
Aditya	10	2	0	8	-	1	7
Mukesh	10	1	1	8	-	1	7
Surya I	10	1	1	8		1	7

Engineer Name	Ticket Number	Title of the ticket	Issue Type	Planned Estimate	Actual Effort	Status
Ebrahim			Task			
Ebrahim/Mukesh			Task			
Aditya			Task			
Surya			Task			

## October : Sprint 2 (Oct 09 to Oct 20):

Engineer Name	Total sprint velocity in days (10 days) [A]	Holiday (1 day) [E]	Planned Leave [B]	Default Velocity in days [A-B-E]	Backup Velocity in days for adhoc requests(1 days), If no adhoc requests this 1 days to be spent for a new Jira [C]	Scrum related activities(only for Scrum Master), Default 5 days and 1 day for individual contributor for their scrum activities [D]	Net capacity in days [A-B-E-D]
Ebrahim	10	0	0	10	-	1	9
Aditya	10	0	0	10	-	1	9
Mukesh	10	0	3	10	-	1	6
Surya I	10	0	0	10		1	9

Engineer Name	Ticket Number	Title of the ticket	Issue Type	Planned Estimate	Actual Effort	Status
Ebrahim	REFPLTCA M-351	Preparation of approaches of achieving H264 when libcamera and pipewire is being used	Task	2w	2w	Resolved
Ebrahim /Mukesh	REFPLTCA M-350	Analyse for getting output of YUV frames from libamera convert into H264 format (H/W encoder) into pipewire side.	Task	2w	2w	Resolved
Aditya	REFPLTCA M-352	Analysis of enabling two spa plugins (libcamera spa plugin and v4l2 spa plugin) in pipewire to get H264 encoded data	Task	2w	2w	Resolved
Surya	REFPLTCA M-353	Two-way audio communication in RDK-C	Task	2w	2w	Resolved

#### October : Sprint 1 (Sep 25 to Oct 06):

Engineer Name	Total sprint velocity in days (10 days) [A]	Holiday (1 day) [E]	Planned Leave [B]	Default Velocity in days [A-B-E]	Backup Velocity in days for adhoc requests(1 days), If no adhoc requests this 1 days to be spent for a new Jira [C]	Scrum related activities(only for Scrum Master), Default 5 days and 1 day for individual contributor for their scrum activities [D]	Net capacity in days [A-B-E-D]
Ebrahim	10	1	0	9	-	1	8
Aditya	10	1	0	9	-	1	8
Mukesh	10	1	2	7	-	1	6
Surya I	10	1	0	9		1	8

Engineer Name	Ticket Number	Title of the ticket	Issue Type	Planned Estimate	Actual Effort	Status
Ebrahim	REFPLTCA M-351	Preparation of approaches of achieving H264 when libcamera and pipewire is being used	Task	2w	2w	Phase 1
Ebrahim /Mukesh	REFPLTCA M-350	Analyse for getting output of YUV frames from libamera convert into H264 format (H/W encoder) into pipewire side.	Task	2w	2w	Phase 1
Aditya	REFPLTCA M-352	Analysis of enabling two spa plugins (libcamera spa plugin and v4l2 spa plugin) in pipewire to get H264 encoded data	Task	2w	2w	Phase 1
Surya	REFPLTCA M-353	Two-way audio communication in RDK-C	Task	2w	2w	Phase 1

#### September: Sprint 2 (Sep 11 to Sep 22):

Engineer Name	Total sprint velocity in days (10 days) [A]	Holiday (1 day) [E]	Planned Leave [B]	Default Velocity in days [A-B-E]	Backup Velocity in days for adhoc requests(1 days), If no adhoc requests this 1 days to be spent for a new Jira [C]	Scrum related activities(only for Scrum Master), Default 5 days and 1 day for individual contributor for their scrum activities [D]	Net capacity in days [A-B-E-D]
Ebrahim	10	1	0	9	-	1	8
Aditya	10	1	4	9	-	1	4
Mukesh	10	1	0	9	-	1	8
Surya I	10	1	0	9		1	8

Engineer Name	Ticket Number	Title of the ticket	Issue Type	Planned Estimate	Actual Effort	Status
Ebrahim	REFPLTCA M-351	Preparation of approaches of achieving H264 when libcamera and pipewire is being used	Task	2w	2w	Resolved
Ebrahim /Mukesh	REFPLTCA M-350	Analyse for getting output of YUV frames from libamera convert into H264 format (H/W encoder) into pipewire side.	Task	2w	2w	Phase 1
Aditya	REFPLTCA M-349	Sequence diagram of libcamera architecture in case of V4L2 device and Ambarella device for comparison analysis	Task	2d	2d	Resolved

Surya	REFPLTCA M-348	Proof of concept in RDK-C	Task	2w	2w	Resolved
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**September: Sprint 1 (Aug 28 to Sep 08):**

Engineer Name	Total sprint velocity in days  (10 days) [A]	Holiday (1 day)  [E]	Planned Leave [B]	Default Velocity in days  [A-B-E]	Backup Velocity in days for adhoc requests(1 days), If no adhoc requests this 1 days to be spent for a new Jira  [C]	Scrum related activities(only for Scrum Master), Default 5 days and 1 day for individual contributor for their scrum activities  [D]	Net capacity in days  [A-B-E-D]
Ebrahim	10	0	1	10	-	1	8
Aditya	10	0	0	10	-	1	9
Mukesh	10	0	3	10	-	1	6
Surya I	10	0	0	10		1	9

Engineer Name	Ticket Number	Title of the ticket	Issue Type	Planned Estimate	Actual Effort	Status
Ebrahim	REFPLTCAM-345	libcamera high level communication diagram and flow.	Task	1w		Completed
Ebrahim /Mukesh	REFPLTCAM-346	Implementation of libcamera-apps in apps folder of libcamera src and generating an executable	Task	2w		Completed
Aditya	REFPLTCAM-347	Investigate appropriate placement of h264 encoder functionality in libcamera/pipewire	Task	2w		Completed
Surya	REFPLTCAM-348	Proof of concept in RDK-C	Task	2w		Phase 1

**August: Sprint 2 (Aug 14 to Aug 25):**

Engineer Name	Total sprint velocity in days  (10 days) [A]	Holiday (1 day)  [E]	Planned Leave [B]	Default Velocity in days  [A-B-E]	Backup Velocity in days for adhoc requests(1 days), If no adhoc requests this 1 days to be spent for a new Jira  [C]	Scrum related activities(only for Scrum Master), Default 5 days and 1 day for individual contributor for their scrum activities  [D]	Net capacity in days  [A-B-E-D]
Ebrahim	10	1	0	9	-	1	8
Aditya	10	1	2	8	-	1	7
Mukesh	10	1	0	9	-	1	8

Engineer Name	Ticket Number	Title of the ticket	Issue Type	Planned Estimate	Actual Effort	Status
Ebrahim	REFPLTCA M-345	libcamera high level communication diagram and flow.	Task	1w	1w	In Progress
Ebrahim/Aditya /Mukesh	REFPLTCA M-344	To implement H264 support in libcamera by referring/replicating implementation of libcamera-apps in raspberry-pi pipeline handler	Sub-Task	4w	4w 1d	Completed

**August: Sprint 1 (July 31 to Aug 11):**

Engineer Name	Total sprint velocity in days  (10 days) [A]	Holiday (1 day)  [E]	Planned Leave [B]	Default Velocity in days  [A-B-E]	Backup Velocity in days for adhoc requests(1 days), If no adhoc requests this 1 days to be spent for a new Jira  [C]	Scrum related activities(only for Scrum Master), Default 5 days and 1 day for individual contributor for their scrum activities  [D]	Net capacity in days  [A-B-E-D]
Ebrahim	10	0	1	9	-	1	8
Aditya	10	0	0	10	-	1	9
Mukesh	10	0	0	10	-	1	9

Engineer Name	Ticket Number	Title of the ticket	Issue Type	Planned Estimate	Actual Effort	Status
Aditya	REFPLTCA M-342	Validation of libcamera-apps by libcamera-vid (the video capture application) using the Raspberry Pi's hardware H.264 encoder.	Task	1w	1w	Resolved
Ebrahim	REFPLTCA M-343	libcamera development approaches design document	Task	4d	4d	Resolved

#### **July: Sprint 2 (July 17 to July 28):**

Engineer Name	Total sprint velocity in days  (10 days) [A]	Holiday (1 day)  [E]	Planned Leave [B]	Default Velocity in days  [A-B-E]	Backup Velocity in days for adhoc requests(1 days), If no adhoc requests this 1 days to be spent for a new Jira  [C]	Scrum related activities(only for Scrum Master), Default 5 days and 1 day for individual contributor for their scrum activities  [D]	Net capacity in days  [A-B-E-D]
Ebrahim	10	0	0	10	-	1	9
Aditya	10	0	0	10	-	1	9
Mukesh	10	0	0	10	-	1	9

Engineer Name	Ticket Number	Title of the ticket	Issue Type	Planned Estimate	Actual Effort	Status
Ebrahim /Aditya	REFPLTC AM-341	To prepare a flow diagram and sequence diagram of format configuration in libcamera	Task	1w	1w	Resolved
Ebrahim	REFPLTC AM-340	rtc-app code optimization	Task	1w	1w	Resolved
Mukesh	REFPLTC AM-339	Customising Raspberry-Pi Pipeline handler source to implement H264 codec driver specifications to enable H264 on R-Pi hardware encoder with libcamera	Sub-Task	2w	2w	Phase 2 completed

#### **Sprint 1 (July 3 to July 14):**

Engineer Name	Total sprint velocity in days  (10 days) [A]	Holiday (1 day)  [E]	Planned Leave [B]	Default Velocity in days  [A-B-E]	Backup Velocity in days for adhoc requests(1 days), If no adhoc requests this 1 days to be spent for a new Jira  [C]	Scrum related activities(only for Scrum Master), Default 5 days and 1 day for individual contributor for their scrum activities  [D]	Net capacity in days  [A-B-E-D]
Ebrahim	10	0	0	10	-	1	9
Aditya	10	0	0	10	-	1	9
Mukesh	10	0	0	10	-	1	9

Engineer Name	Ticket Number	Title of the ticket	Issue Type	Planned Estimate	Actual Effort	Status
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Mukesh	REFPLTCAM-339	Customising Raspberry-Pi Pipeline handler source to implement H264 codec driver specifications to enable H264 on R-Pi hardware encoder with libcamera	Sub-Task	2w	2w	Phase 1 completed
Aditya	REFPLTCAM-338	Customising libcamera source by adding H264 format in appropriate files	Sub-Task	2w	2w	Resolved

#### **Sprint Planning Bug Tickets/User Stories from Jan 2023 to June 2023 :**

Engineer Name	Ticket Number	Title of the ticket	Issue Type	Planned Estimate	Actual Effort	Status
Ebrahim /Aditya /Mukesh	REFPLTCAM-337 (Main Task)	H264 Integration into libcamera	Main-Task	N/A	N/A	In Progress
Ebrahim	REFPLTCAM-336	rtc-app stream contains played into Android Application.	Task	1w	1w	Resolved
Mukesh	REFPLTCAM-335	Issue with latest patch set in <a href="https://code.rdkcentral.com/r/c/rdk/components/generic/rdk-oe/meta-cmf-raspberrypi/+76077/6">https://code.rdkcentral.com/r/c/rdk/components/generic/rdk-oe/meta-cmf-raspberrypi/+76077/6</a>	Report Patch	1d	1d	Resolved
Aditya	REFPLTCAM-333	To check the possibility of enabling unicam driver into existing kernel (5.15.76-v7) of RDK-C	Task	1w	1w	Resolved
Mukesh	REFPLTCAM-332	There's no Streaming output observed on VLC Media Player with RMS use case of Libcamera-Pipewire Integration in the latest build.	Bug	3w 2d	3w 2d	Resolved
Ebrahim	REFPLTCAM-331	Issue with use case of webrtc with Libcamera-Pipewire Integration	Bug	2w	2w	Frozen
Aditya	REFPLTCAM-330	integrate RPI camera version 3.1	Support	2w	2w 2d	Frozen
Ebrahim	REFPLTCAM-329	Integrate libcamera into webrtc.	Task	2w	2w	Resolved
Aditya	REFPLTCAM-328	To generate an image with libcamera and rtsp that supports raspberrypi camera-module-3 on R-Pi 3B+	Task			Open
Mukesh	REFPLTCAM-327	Preparing Document for Demonstration	Task	1d	1d	Resolved
Aditya	REFPLTCAM-326	RDK-C build failure observed in Jenkins due to Gstreamer upgrade with 1.18 version on RPI.	Task	4d	4d	Resolved
Aditya	REFPLTCAM-325	Investigate the delay in live streaming.	Bug	1w	4d	Resolved
	REFPLTCAM-324	Support for dash support for livestreaming	User Story			New
	REFPLTCAM-323	Make livestream component part of main code	User Story			New
Aditya	REFPLTCAM-322	Upgrade the live feed support to libcamera framework	User Story	3d	1w	Resolved
Mukesh	REFPLTCAM-321	Analyse IPA functions in libcamera for Image Signal Processing	Task	1w 3d	1w 3d	Resolved
Ebrahim	REFPLTCAM-320	Not able to calling stream Notification Event.	Task	1w	1w	Resolved
Mukesh	REFPLTCAM-319	Upgrading PipeWire from 0.3.53 to 0.3.63 with libcamera SPA support	Task	1d	1d	Resolved
Mukesh	REFPLTCAM-318	Trigger WirePlumber binary on bootup	Task	1d	1d	Resolved
Aditya	REFPLTCAM-317	RDK-C build failure observed in Jenkins due to Gstreamer upgrade with 1.18 version on RPI (reference: REFPLTV-1489 REFPLTV-1614)	Task	4d	1w	Resolved
Ebrahim	REFPLTCAM-316	RDKC-12533 rtc-app changes.	Task	2d	2d	Resolved
Mukesh	REFPLTCAM-315	RMS and CVR Validation of WirePlumber	Support	3d	3d	Resolved
Ebrahim	REFPLTCAM-314	Getting kex_exchange_identification: read: Connection reset by peer error when connecting to ssh in RDK-C build.	Defect	1w	1w	Resolved

Surya	REFPLTCAM-313	Need to check RMS and CVR with pipewire along with libcamera instead of v4l2	Task	1w 3d	2w 2d	Resolved
Ebrahim	REFPLTCAM-312	RDKC-12533 review changes.	Task	2d	3d	Resolved
Surya	REFPLTCAM-311	Need to list out available camera in the system with pipewire along with libcamera	Support	1w	1w	Resolved
Ebrahim	REFPLTCAM-310	RDk signaling client fail to communicate sturn server.	Task	1w	1w 3d	Resolved
Surya	REFPLTCAM-309	Trigger libcamera spa in PipeWire instead of v4l2 SPA	Support	4d	2d	Resolved
Mukesh	REFPLTCAM-308	Integrating WirePlumber in Camera build	Support	3d	3d	Resolved
Ebrahim	REFPLTCAM-307	RDKC-12533 build failure issue.	Task	1d	2d	Resolved
Ebrahim	REFPLTCAM-306	Need to fix not able to receiving frames from camera app.	Task	1w	4d	Resolved
Mukesh	REFPLTCAM-305	REFPLTCAM-302 Analyse how to trigger libcamera spa from pipewire	Sub-task	4d	4d	Resolved
Mukesh	REFPLTCAM-304	REFPLTCAM-302 Need to compile libcamera module in PipeWire	Sub-task	4d	4d	Resolved
Surya	REFPLTCAM-303	Validating libcamera with pipewire	Task			Frozen
Mukesh	REFPLTCAM-302	Integrating libcamera into PipeWire	Task	1w 3d	1w 3d	Resolved
Ebrahim	REFPLTCAM-301	RDKC-12533: Resolving review comments given client.	Task	1w	1w	Resolved