



RDK Broadband Day 1 – Tuesday, October 22nd, Full Day

Time	Type	Item	Description	Presenter
Intro to RDK				
8:00 - 8:05		Welcome Session	Welcome session to welcome presenters and attendees to RDK Tech Summit 2019	
8:05 - 8:10		Keynote	Keynote address	Alex Ball, Liberty Global
8:10 - 9:00		RDK-B architecture, benefits, new components	Session on RDK-B, its features and benefits. This session also covers the RDK-B Road map and new components	Sanjay Dwivedi, Comcast
9:00 - 9:55		RDK porting	Session on an approach to port RDK to a new platform	Garry Jamieson, Scott Angel, Comcast
9:55 - 10:05		Tea Break		
10:05 - 10:25		Why RDK-B is every MSOs darling platform	Session to detail the advantages of RDK for MSOs	Khem Raj, Comcast

10:25 - 10:45	Exercise	Raspberry Pi board bring up	Hands-On exercise to experience RDK-B running on Raspberry-Pi - a reference platform	
10:45 - 11:00	Exercise	Add a new component using Yocto	Exercise to add a new component to RDK-B Yocto build	
11:00 - 11:40		EasyMesh	A session on EasyMesh standard	Wouter Cloetens, Liberty Global David Barr, Intel
11:40 - 12:00		GPON/DSL integration in RDK-B	A session on integrating new WAN Access Technologies in RDK-B	Panchakshari H S, Tata Elxsi
12:00 - 13:00		Lunch		
Remote Management				
13:00 - 13:30		Xconf/Telemetry/Log Upload/RFC	Session on various device management features like Telemetry, Logupload, Remote Feature Control, Firmware upload and Xconf	Narayanaswamy Ramaiyer, RDK
13:30 - 14:00	Demo	Xconf/Telemetry/Log Upload/RFC	A demo on the device management features	
14:00 - 14:30		CUJO Integration with RDK-B	Session to detail integration of the CUJO AI to RDK-B	James Mathews, CUJO
14:30 - 14:45		Remote management TR69	Session on remote management of device using TR-069	Jose Ramon Diaz Martinez, Liberty Global
14:45 - 15:00	Exercise	Remote management TR69	An exercise to add a datamodel and to control features in RDK-B using it	

15:00 - 15:10		Tea Break		
15:10 - 15:40		Remote Management WebPA	Session on remote management of device using WebPA and its advantages	Weston Schmidt, Comcast
15:40 - 16:00	Exercise	Remote Management WebPA	A hands-on session to control and manage device using WebPA	
16:00 - 16:15		Multi lingual captive portal	Session to demo and detail the multi lingual captive portal	Narayanaswamy Ramaiyer, RDK
16:15 - 16:30	Exercise	Multi lingual captive portal	A demo on how easy it is to add a new language in the multi lingual captive portal	
16:30 - 17:00		Q&A		

RDK Broadband Day 2 – Wednesday, October 23rd, Morning

Time	Type	Item	Description	
Features and Maintenance				
8:00 - 8:30		WiFi 802.11v BTM Steering	A session on the Wi-Fi band steering and band steering support in RDK-B	Panchakshari H S, Tata Elxsi
8:30 - 8:45		Self-heal	A session on the self- heal feature in RDK-B	Narayanaswamy Ramaiyer, RDK

8:45 - 9:00	Exercise	Self-heal	An exercise to see how selfheal features automatically heals issues in devices	
9:00 - 9:30		EthWAN	A session on how Ethernet is available in RDK-B as a WAN access technology	Panchakshari H S, Tata Elxsi
9:30 - 9:45	Exercise	EthWan	An exercise to switch the WAN access to Ethernet and to analyze the changes	
9:45 - 10:00		Tea Break		
10:00 - 10:45		RDK Triaging	An approach to triaging issues in RDK-B	Arun Sunny, Comcast
10:45 - 11:00	Exercise	Live debugging session example	A demo on debugging an issue in RDK-B	
11:00 - 11:20		TDK	A session on TDK-B, HAL API testing using TDK-B and TAD testing	Glee Abraham, RDK
11:20 - 11:45	Exercise	TDK	Exercise on TDK Script development and component testing	
11:45 - 12:00		QA		
12:00 - 13:00		Lunch		



RDK Video Day 1 – Wednesday, October 23rd, Afternoon

Time	Type	Item	Description	
INTRO TO RDK-V				
13:00 - 13:05		Welcome	Welcome session to welcome presenters and attendees to RDK Tech summit 2019	
13:05 - 13:25		RDK-V Features, Benefits and Road map updates	Session on RDK-Video, its features and benefits. This session also covers the RDK-V Road map to RDK-4.0 architecture	Glee Abraham, RDK
REFERENCE APP				
13:25 - 14:05		Session on RDK Reference application integration	Session on Operator Reference App implementation and its architecture details	Bart Catrysse, Liberty Global
14:05 - 14:15	Demo	Reference App Demonstration	Demo on Reference App	

FIREBOLT

14:15 - 14:35		Firebolt SDK and Portal	Session on Firebolt SDK - what, why and how to use	Khem Raj, Comcast
14:35 - 14:50	Exercise	Firebolt exercise	Hands-on exercise on usage of firebolt SDK / portal for building an application	
14:50 - 15:00		Tea Break		
<h2>VIDEO</h2>				
15:00 - 15:30		IP Video Playback in RDK - AAMP and FOG	Session on IP Player components used in RDK - AAMP and FOG	Arun Govind, Tata Elxsi
15:30 - 15:45	Exercise	AAMP exercise Ad-Insertion	A hands-on session for familiarizing new functionalities in AAMP module. Server-side ad-insertion in AAMP. User will be able to emulate different scenarios of server-side ad-insertion logic	
<h2>DEVICE MANAGEMENT</h2>				
15:45 - 16:05		Device management features	Session on device management component in RDK which includes features such as RFC, log Upload and telemetry	Deepthi Suseelan, Ganesh Prasad Sahu, RDK
16:05 - 16:25	Exercise	Telemetry feature in RPi	This hands-on exercise will allow user to add a new a new telemetry marker in xconf server. Attendees will be taken through the complete flow of running telemetry client agent in RPi	

			for monitoring the newly added marker along with its frequency of occurrence	
16:25 - 16:45		WebPA features	WebPA has undergone new changes recently. This session will take user through the new xmidt features	Weston Schmidt, Comcast
16:45 - 17:00	Exercise	WebPA	This exercise walks through the various steps involved in working with the WEBPA parameters and supported commands	
17:00 - 19:00		Reception for all attendees		

RDK Video Day-2 – Thursday, October 24th, Full Day

Time	Type	Item	Description	
APPLICATION FRAMEWORK				
8:00 - 9:00	Workshop	RDK Plugin Architecture - Thunder	Workshop on Thunder integration in RDK. Will cover wpe-framework plugins, services and the scenario of an external application invoking an RDK component via Thunder	Pierre Wielders, Metrological
9:00 -12:00	Workshop	RDK Apps development using Lightning	This workshop will take attendees through the Lightning UX app framework with emphasis on live hands-on programming. User will be	Erik Haandrikman, Metrological

Time	Type	Item	Description	
			building apps which will be enhanced further for incorporating new features in Lightning	
12:00 - 13:00		Lunch		
FEATURE INTEGRATION				
13:00 - 13:10	Session	Integration of V4L2 and mesa on vc4graphics enabled RPI platform	Explaining the software architecture of RPI VC4 core and difference between userland and mesa graphics library.	Kalyan Kumar Nagabhirava, L&T Technology Services
13:10 - 13:30	Demo	V4I2 integration demo	Enabling opensource Graphics library-mesa and v4I2 video decoding support on CMF RPI Morty build	Kalyan Kumar Nagabhirava, L&T Technology Services
CONDITIONAL ACCESS				
13:30 - 14:00		Conditional Access integration	Session on Conditional access integration in RDK stack	Nuno Sebastião, NOS
DVB				
14:00 - 14:40		DVB integration in RDK	Joint session on DVB contributions to RDK stack - by Tata Elxsi and LGI	Bart Catrysse, Liberty Global
14:40 - 15:00	Demo	Showcasing DVB integration in RDK	Will cover details of SI parsing, scanning, channel map population	Arun Govind, Tata Elxsi
15:00 - 15:10		Tea Break		

DEBUGGING

15:10 – 15:25		Crash Information Retrieval and Analysis	Session on Crash Information Retrieval and Analysis	Nuno Sebastião, NOS
15:25 - 15:40	Workshop	Crash Information Retrieval and Analysis	Workshop on usage of Breakpad to do crash dump analysis. Will walk you through the feature of crash upload and its analysis using Breakpad	
LIVE TRIAGE				
15:40 - 16:20	Workshop	Live Triage and debugging	Use-cases to demonstrate live debugging using portals	Arun Sunny, Comcast
TDK				
16:20 - 16:35		RDK CI Testing	Real time CI workflow contribution black box testing in the context of the RDK App Framework(s). (Thunder / Lightning)	James Cooley, Simon Chung, RDK
16:30 - 17:00	Exercise	TDK test suite	Demo of new features in TDK such as Firebolt test suite and RDM	Pari Tholkappian, RDK