



Tentative Agenda – sessions subject to change

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

| Time | Type | Item | Description |
|---------------------|----------|---|--|
| 7:30 – 8:00 | | Breakfast | |
| 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 |
| 8:10 – 9:00 | | RDKB architecture, benefits, new components | Session on RDK-B, its features and benefits. This session also covers the RDK-B Roadmap and new components |
| 9:00 – 9:15 | | Why RDKB is MSOs darling platform | Session to detail the advantages of RDK for MSOs |
| 9:15 – 10:00 | | RDK porting into a new platform | Session on an approach to port RDK to a new platform |
| 10:00 – 10:10 | | Tea Break | |
| 10:10 – 10:20 | Exercise | Raspberry Pi board bring up | Hands-on exercise to experience RDK-B running on Raspberry-Pi – a reference platform |
| 10:20 – 10:40 | Exercise | Add a new component to Yocto | Exercise to add a new component to RDK-B Yocto build |
| 10:40 – 11:20 | | EasyMesh | A session on EasyMesh standard |
| 11:20 – 11:45 | | GPON/DSL integration in RDKB (SoC Specific) | A session on integrating new WAN Access Technologies in RDK-B from an SoC viewpoint |

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| 11:45 – 12:00 | | GPON/DSL integration in RDKB | A session on integrating new WAN Access Technologies in RDK-B |
| 12:00 – 13:00 | | Lunch | |
| Remote Management | | | |
| 13:00 – 13:30 | | Xconf/Telemetry/Log Upload/RFC | Session on various device management features like Telemetry, Log upload, Remote Feature Control, Firmware upload and Xconf |
| 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 CUJO AI to RDK-B |
| 14:30 – 14:45 | | Remote management TR69 | Session on remote management of device using TR69 |
| 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 |
| 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 |
| 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 |
|---------------------------------|----------|--------------------------------|---|
| 7:30 – 8:00 | | Breakfast | |
| 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 |
| 8:30 – 8:45 | | Self-heal | A session on the self-heal feature in RDK-B |
| 8:45 – 9:00 | Exercise | Self-heal | An exercise to see how self-heal 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 |
| 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 |
| 10:45 – 11:00 | Exercise | Live debugging session example | A demo on debugging an issue in RDK-B |
| 11:00 – 11:20 | | TDKB | A session on TDK-B, HAL API testing using TDK-B and TAD testing |
| 11:20 – 11:45 | Exercise | TDK | Exercise on TDK Script development and component testing |
| 11:45 – 12:00 | | QA | |
| 12:00 – 13:00 | | Lunch | |



Tentative Agenda – sessions subject to change

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 Roadmap updates | Session on RDk-Video, its features and benefits. This session also covers the RDk-V Roadmap to RDk-4.0 architecture |
| REFERENCE APP | | | |
| 13:25 – 14:05 | | Session on RDk Reference application integration | Session on Operator Reference App implementation and its architecture details |
| 14:05 – 14:15 | Demo | RefApp demo | Demo on Reference App |
| FIREBOLT | | | |
| 14:15 – 14:30 | | Firebolt SDK | Session on Firebolt SDI – what, why and how to use |
| 14:30 – 14:45 | | Firebolt Portal | Session on Firebolt portal – usage and benefits |

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| 14:45 – 15:00 | Exercise | Firebolt exercise | Hands-on exercise on usage of Firebolt SDK/portal for building an application |
| 15:00 – 15:10 | | Tea Break | |
| VIDEO | | | |
| 15:10 – 15:35 | | IP Video Playback in RDK-AAMP and FOG | Session on IP Player components used in RDK- AAMP and FOG |
| 15:35 – 15:50 | 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 |
| DEVICE MANAGEMENT | | | |
| 15:50 – 16:05 | | Device management features | Session on device management component in RDK which includes features such as RFC, log upload and telemetry |
| 16:05 – 16:25 | Exercise | Telemetry feature in RPi | This hands-on exercise will allow user to add 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 |
| 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 and presenters | |

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

| Time | Type | Item | Description |
|------------------------------|----------|--|--|
| 7:30 – 8:00 | | Breakfast | |
| 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 |
| 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 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 | Session on how V4L2 and mesa integrated in RDK platform |
| 13:10 – 13:30 | Demo | V4L2 integration demo | Live demo |
| CONDITIONAL ACCESS | | | |
| 13:30 – 14:00 | | Conditional Access integration | Session on Conditional Access integration in RDK stack |
| DVB | | | |
| 14:00 – 14:40 | | DVB integration in RDK | Joint session on DVB contributions to RDK stack – by Tata Elxsi and LGi |
| 14:40 – 15:00 | Demo | Showcasing DVB integration in RDK | Will cover details of SI parsing, scanning, channel map population |
| 15:00 – 15:10 | | Tea Break | |
| DEBUGGING | | | |
| 15:10 – 15:30 | Workshop | Crash Upload 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 |

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| 15:30 – 15:50 | Workshop | Debugging & Development Accelerator | How to Fastrack RDK debugging and development |
| LIVE TRIAGE | | | |
| 15:50 – 16:30 | Workshop | Live Triage and debugging | Use-cases to demonstrate live debugging using portals |
| TDK | | | |
| 16:30 – 17:00 | Exercise | TDK-V test suite | Demo of new features in TDK such as Firebolt test suite and RDK |