

Agenda

(topics and speakers subject to change)

Topic	Tuesday, April 23 Speaker(s)	Time
Networking	Networking and demos open	08:00 - 08:30
Welcome	Glee Abraham , <i>Head of Technology, RDK Management</i> Jason Briggs , <i>President, RDK Management</i> Paul Clarke , <i>Managing Director, Global Devices Software, Comcast</i>	08:30 - 08:45
Keynote	Adrian Drury , <i>Managing Director, Technology Strategy, Liberty Global</i> Mark Kinlen , <i>VP, Technology Architecture, Liberty Global</i> Gavin Sheldon , <i>Senior VP, Infosys</i> Evolving RDK platforms generate exponential value. The Keynote will expand upon Liberty Global's partnership with RDK and discuss scale of deployment, the value RDK provides, connectivity and entertainment platforms, and Infosys' capabilities.	08:45 - 09:30
CONNECTIVITY: Next-Gen Networking – Converging Technologies and Enhancing Connectivity		
EasyMesh Agent/ Unified Wi-Fi Convergence	José Ramon Diaz Martínez , <i>Director, Solution Architecture, RDK Management</i> Soumya Munshi , <i>Director, Software Engineering, Comcast</i> This session will delve into the convergence of EasyMesh Agent and Unified Wi-Fi, covering the architecture of RDK-B EasyMesh Agent, compatibility with the EasyMesh Controller, integration with the Unified Wi-Fi stack, LAN management, and an overview of EasyMesh Agent reference code. It will also explore the latest Unified Wi-Fi updates, including Wi-Fi 7 HAL and data model support, along with footprint and runtime optimizations.	09:30 - 10:00
Enhancing Device Identification with Unified Wi-Fi: Addressing L1/L2 Data Challenges	Viviane Cordeiro da Silva , <i>Principal Engineer, Sky</i> James Mathews , <i>VP of Firmware, CUJO AI</i> CUJO AI has been an early adopter of the Unified Wi-Fi interface, which is key in addressing the challenges related to accessing L1/L2 data. CUJO AI's presentation will cover the integration journey, the challenges tackled, and the significant enhancements brought to device identification technology.	10:00 - 10:30
Wi-Fi 7 in RDK Gateways	Carlos Martin , <i>Principal Wireless Engineer, MediaTek</i> Stephane Renaud , <i>Director of Product Technology Marketing, MediaTek</i> Carlos and Stephane will cover the evolution of Wi-Fi/Wi-Fi 7, its features, benefits, and RDK-B integration.	10:30 - 11:00
Break	Networking and demos open	11:00 - 11:30

ENTERTAINMENT: Redefining Entertainment – Cloud Strategies and Thunder Framework Progress		
Cloud Ready Entertainment Platform on RDK-V Ecosystem	<p>Aziz Bohoudi, <i>Vice President, Entertainment Platform, Infosys</i> Klaas Jan Koopman, <i>Director Video Back Office & Service Platform, Infosys</i> Wojciech Lazarski, <i>Director Video CPE, Infosys</i></p> <p>Infosys and Liberty Global entertainment platform leverages a combination of app modules and cloud configuration manager to solve for multiple business challenges. In this session, Aziz will explain how app modules enhance firmware and applications. Managed through the cloud, they offer a flexible alternative to bulky firmware updates. The cloud configuration manager empowers you to manage individual or large numbers of CPEs with ease, delivering precise configurations that control device functionalities, user interface design, embedded applications, and even graphical assets.</p>	11:30 - 12:15
Thunder Framework Update	<p>Marcel Fransen, <i>Director, Software Development, Comcast</i> Pierre Wielders, <i>Software Development & Engineering, Comcast</i></p> <p>Explore the journey of Thunder technology. From enhanced performance to groundbreaking features, each iteration showcases the commitment to excellence in harnessing the immense potential of Thunder. Be at the forefront of knowledge as Marcel and Pierre unravel the latest Thunder features, offering insights into the cutting-edge capabilities that propel this technology forward.</p>	12:15 - 13:00
Lunch	Networking and demos open	13:00 - 14:00
COMMON TOPICS: Device Operations – Operational Excellence and Test Automation		
RDK Ops as a Product	<p>Ravi Varma, <i>Executive Director, Comcast</i></p> <p>In this session Ravi will showcase how RDK telemetry is being used to proactively monitor and alert for outages, customer issues and release regressions. He will also describe the tools and technologies being used to manage new releases to the field and the real time mitigation of device issues. This includes faster root cause analysis via anomaly detection and smart test tooling to identify issues during the development life cycle.</p>	14:00 - 14:45
Test Automation	<p>Naveen Babu Narayanan Nair, <i>Director, Software Dev & Engineering, Comcast</i> Sophie Pool, <i>RDK Quality Assurance & Testing Lead, Deutsche Telekom</i> Ramakrishnan Thangamani, <i>Technical Operations & Engineering Lead, RDK Management</i></p> <p>Covering test automation through the operators' lens, we will dive into an overview, strategic roadmap, collaborative efforts, benefits, diverse automation strategies, and community contributions for shared success in automation practices across the RDK ecosystem.</p>	14:45 - 15:30
Break	Networking and demos open	15:30 - 16:00
COMMON TOPICS: Engineering and Regulatory		
Lightning 3.0	<p>Erik Haandrikman, <i>Software Development, LightningJS Team, Comcast</i> Wouter van Boeschoten, <i>Executive Director, Comcast</i> Michiel van der Geest, <i>Software Development, LightningJS Team, Comcast</i></p> <p>Wouter, Erik, and Michiel will provide a technical deep dive into the release of the Lightning framework and provide examples of some of the key new features.</p>	16:00 - 16:45
Building Sustainable CPE - Panel Discussion	<p>Eric Meijer, <i>Sr. Product Development Manager, Video CPE Hardware, Infosys</i> Khem Raj, <i>Fellow, Comcast</i> Paul Robson, <i>CPE Strategy, Liberty Global (moderator)</i></p> <p>An exploration in the difficulties presented by the EUs 7W HiNA standby threshold when deploying next generation gateways triband Wi-Fi 7, DOCSIS 4.0, XGSPoN. We will cover opportunities to improve CPE power consumption beyond the HiNA threshold through hardware and Software; balancing performance and customer experience with the need to consumer less power; future use cases; and the role of IoT and AI in CPE sustainability.</p>	16:45 - 17:30
Reception	Networking and demos open	17:30 - 18:30

Topic	Wednesday, April 24 Speaker(s)	Time
Networking	Networking and demos open	08:30 - 09:00
ENTERTAINMENT: The Next-Phase Evolution of RDK Entertainment		
RDK Entertainment Evolution	Steve Griffith, Director of Architecture & Design, Sky Anil Ravuru, Senior Director, Video Streaming Devices & Smart TVs, Comcast This session will cover the enhancements across the RDK platform's SDLC, from architecture to deployment, aimed at efficiently scaling and supporting future hardware use cases. Gain insights into how these improvements enhance the platform's performance and agility.	09:00 - 09:45
How RDK's Layered Build System Makes Open Source Consumption Easy	Sandeep Nair, Senior Director, Engineering, Comcast Sandeep will introduce the RDK layered build system and explain how it supports various high-level objectives such as decoupling, versioning, flexibility, faster builds, and faster scaling, while ensuring open-source compliance.	09:45 - 10:10
RDK Video HAL and Porting Kit Evolution	JP Abello, Director of Product Management, Comcast Rajashree Govindan, Product Manager, Comcast An overview of the ideas and concepts driving the evolution of the RDK Video HAL and Porting Kit from RDK6 to RDK7 and beyond.	10:10 - 10:30
Break	Networking and demos open	10:30 - 11:00
CONNECTIVITY: The Roadmap to Next-Gen Connectivity		
Future in Broadband	Alex Ball, Director of RDK-B Development, Deutsche Telekom Charles Moreman, Fellow, Software Architecture, Comcast Sanjay Mullamuri, Sr. Director, RDK-B Gateway Software Development & Engineering, Comcast Broadband services continue to evolve. There are new expectations from customers and new opportunities for service providers. What features will be needed in the next 12 to 24 months? Let's explore potential roadmap items and discuss why these could be important.	11:00 - 11:45
Latency & QoS	Reffael Caspi, CEO & Co-Founder, Veego José Ramon Diaz Martínez, Director, Solution Architecture, RDK Management Richard Squire, Director of Connectivity Strategy, Liberty Global Quality of Service (QoS) technology is essential in broadband devices. QoS mechanisms mitigate congestion, reduce latency, and prioritize tasks such as VoIP, video streaming, or gaming. Our new RDK-B QoS manager component, tailored to utilize TR-181 as the main configuration interface, provides a central point of control for all components in the stack when they require access to any of the QoS mechanisms present in the CPE.	11:45 - 12:30
Lunch	Networking and demos open	12:30 - 13:30

ENTERTAINMENT: Build New RDK Entertainment Experience

Firebolt Updates	Jeremy LaCivita, Director, Apps Platform Architecture, Comcast Abby Troy, Senior Technical Product Manager, Comcast Discover the latest advancements in Firebolt, driven by the collaboration of RDK, Comcast/Sky & Liberty Global. We'll cover our journey from launching Firebolt 1.0 with RDK6, to creating a roadmap for apps, to the evolution of our Firebolt 2.0 API Gateway in 2024.	13:30 - 14:00
Firebolt Certification Suite	Anushri Shenoy, Director, Software Dev & Engineering, Comcast A walkthrough of the Firebolt Certification suite for Platform Certification on entertainment devices, the tech stack, and various features of the certification suite.	14:00 - 14:30
Introduction to Firebolt Connect	Albert Dahan, Fellow, Comcast Albert will provide an overview of the Automated App Test Harness (Firebolt Connect), which is being developed by RDKM. This test harness will help streamline app onboarding and ensure optimal app performance on RDK devices.	14:30 - 15:00
Break	Networking and demos open	15:00 - 15:30
CONNECTIVITY: Next Wave of Software Development and Deployment		
Operator LCM Toward Software Development	Kevin Ross, Director Software Engineering, Infosys Containers streamline software lifecycle management, avoiding monolithic build-ups by facilitating runtime-configurable, operator-specific adaptations. They aim to reduce cloud reliance, lower costs, and enhance release cadence by leveraging underutilized on-premise resources, supporting real-time testing and optimization for improved localization and functionality.	15:30 - 16:15
Unlocking the Power of Downloadable Application Containers for RDK: Video and Broadband Insights - Panel Discussion	Glee Abraham, Head of Technology, RDK Management (moderator) Sanchar Banerjee, Software Architect, Deutsche Telekom Peter Fox, Key Account Director, Consult Red Kevin Ross, Director Software Engineering, Infosys Biju Thomas M, Head, RDK Competency, Tata Elxsi This session will explore the power of DAC technology across RDK platforms, offering insights into its application for both video and broadband services.	16:15 - 17:00