



RIST ACTIVITY GROUP UPDATE

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V1-2

RIST TR Status

- TR-06-1: RIST Simple Profile (last updated in 2020)
- TR-06-2: RIST Main Profile (last updated in 2024)
- TR-06-3: RIST Advanced Profile (last updated in 2024)
- TR-06-4: RIST Ancillary features
 - TR-06-4 Part 1: Source Adaptation (published in 2022)
 - TR-06-4 Part 2: Use of Wireguard in RIST (published 2023)
 - TR-06-4 Part 3: RIST Relay (published 2023)
 - TR-06-4 Part 4: Decoder Synchronization (published 2024)
 - TR-06-4 Part 5: Multicast Discovery (published 2023)
 - TR-06-4 Part 6: Transport Stream Program Selection (published July 2024)

AG Work in 2024

- Published VSF TR-06-4 Part 4, Receiver Synchronization
 - BEITC presentation in 2022
 - SMPTE Imaging Journal paper in 2023
- Published VSF TR-06-4 Part 6, RIST Program Selection
 - Preliminary presentation at VSF Fall Meeting
 - Demo + Presentation at VidTrans
 - BEITC presentation at NAB 2025
- Updated TR-06-2 (Main Profile) and TR-06-3 (Advanced Profile)
- Technical work on hybrid satellite is complete.
 - BEITC presentation in 2024
- Technical work complete on “RIST Best Practices and Congestion Control”

Publication Roadmap

- TR-06-4 Part 7: Internet/Satellite Hybrid Model
 - Technical work is complete on both an intrusive and a non-intrusive method
 - AG will split intrusive and non-intrusive and publish the intrusive method in 2025
- For RIST control, we are coordinating with other groups
 - May become an extension of NMOS
 - RIST AG members are participating in the new IABM Control Plane group
 - The plan is to follow the IABM guidance and adapt as needed for RIST

Publication Roadmap (cont.)

- RIST Best Practices and Congestion Control
 - Publication should happen sometime this year
 - This will be a “Best Practices” paper and not a TR
 - Technical work is complete, and this is in the writing queue

Future Work

- Automatic Configuration of RIST Systems
- Integration of RIST in WebRTC
- Integration of RIST in Quic

AG Meetings

- AG meets every week on Wednesdays at 11:00AM ET
- Meetings are very lively
- New members are always welcome – please join us and bring your opinions



Thank you

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