

# UPDATE

**Presented by:** 

Rick Ackermans RIST Activity Group Chair Director of RF and Transmissions Engineering CBS





- The RIST Activity Group meets every Wednesday at 11AM ET
  - Since April of 2017 we have had 153 meetings of the Activity Group.
  - Persons or companies who are interested in participating in RIST development are invited to join the meetings. (You must be a member of the VSF to participate).





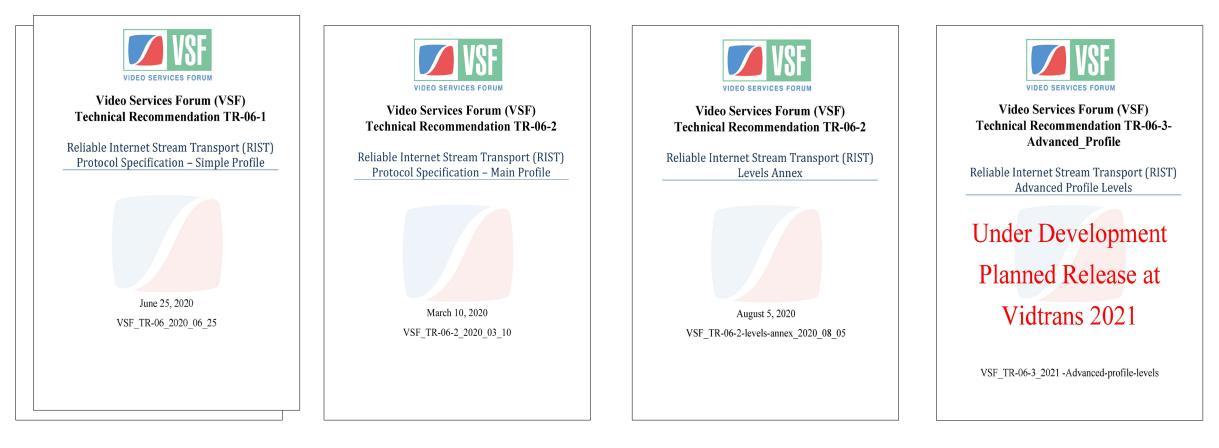


• The RIST Forum is an independent entity which is responsible for marketing and educating people on RIST.



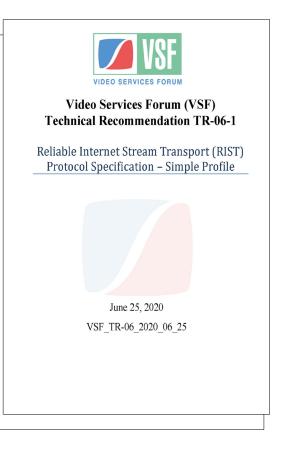












The only difference between the original 2018 version of Simple Profile and the current document is the addition of the optional RTT Echo message, documented in section 5.2.6, and some changes in language to be more accurate about the normative and informative provisions of the document. The purpose of this optional message is to provide a mechanism whereby a RIST receiver can measure the round-trip time between itself and the RIST sender. This information may be used by the RIST receiver to optimize its NACK requests, as network conditions change.







VSF TR-06-2, RIST Main Profile, includes a number of major and minor features. Not every vendor will implement every feature of the Main Profile. This could cause confusion in the marketplace, causing devices implementing different sets of features to interoperate at some levels but not at others. This document defines interoperability levels for RIST Main Profile. Devices compliant with a given level are guaranteed to interoperate at that level. This simplifies the task of communicating to end users, the feature set of a given device, and improves interoperability.



#### **RIST Roadmap**

#### **Advanced Profile - Future Release**

Smart Bandwidth Optimization

Common channel session management

Centralized call home

Support for hybrid internet / satellite operation

#### Main Profile - Available

Multi-Stream Tunneling

Stream encryption

Authentication

High Bit Rate Support

Null packet suppression

### Simple Profile - Available



**J**RUM



## RIST Advanced Profile:

- \*\*Under Development\*\*
- Auto configuration.
- Dynamic reconfiguration
- Congestion Control.
- VBR Support
- Internet/Satellite Hybrid Model
- Common management API, mib
- Timing control based on common clock
- VPN
- RIST tunnel ARQ
- IGMP listener
- "Rendezvous point for automated firewall traversal"

#### **For More Information:**





VSF.TV



**RIST Forum** 





