RIST Activity Group

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LearnIPvideo.com / RIST Forum

VSF

VIDEO SERVICES FORUM

RIST Milestones

RIST Activity Group formed by Video Services Forum April 2017

Successful multi-vendor interop demonstration September 2018

VSF TR-06-1 RIST Simple Profile published October 2018

VSF TR-06-2 RIST Main Profile published March 2020

Advanced Profile Development Completed September 2018
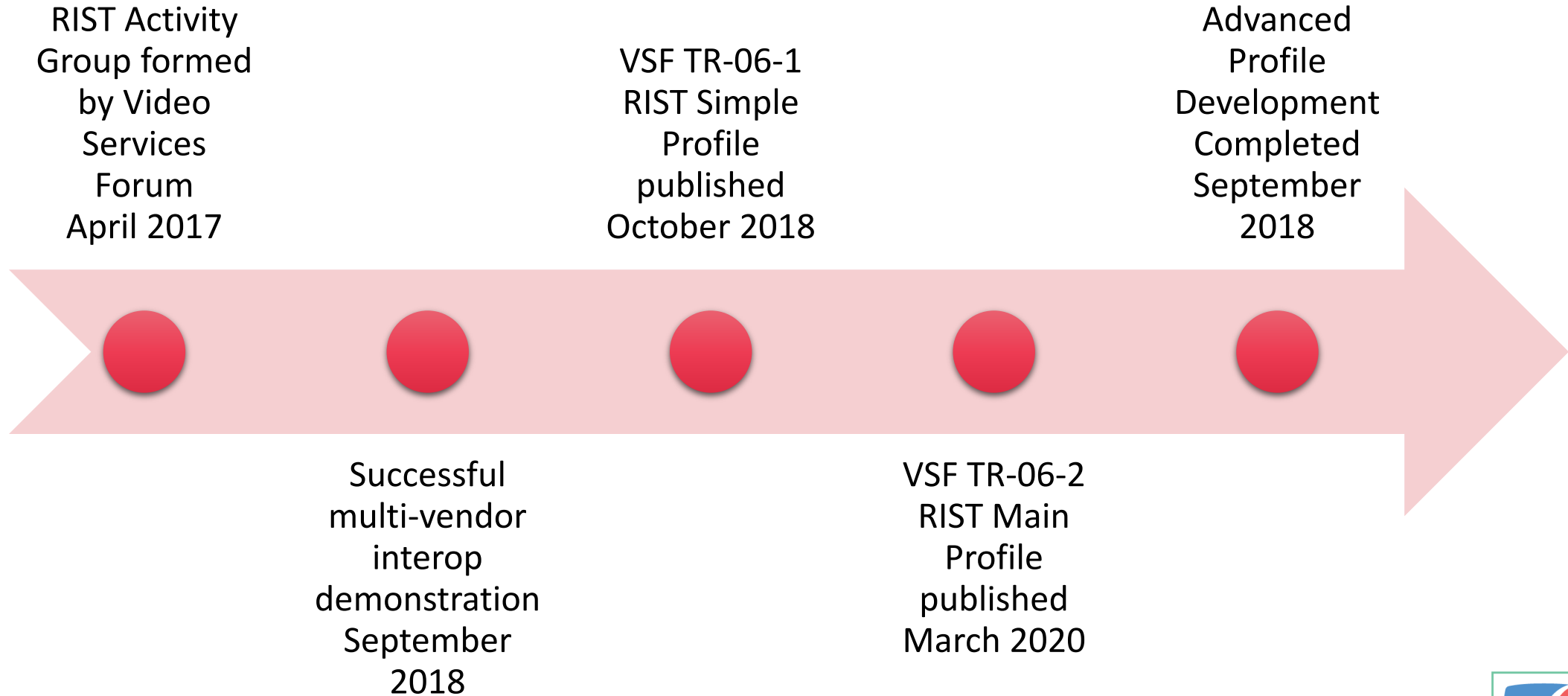
The new RIST Profile: Advanced

- Greatly enhanced tunneling capabilities
  - Any protocol delivered securely and reliably
  - Transparent Fragmentation
  - Mathematically Lossless Compression
- Enhanced PSK Security
  - New ciphers, payload hashing for data integrity
- Direct payload transport and Protocol Registry
  - Reduce size of packet headers
- Flow Attributes

Future Directions

TR-04 Parts (subject to change)

- TR-06-4 Part 1: Receiver Synchronization **(nearly complete)**
- TR-06-4 Part 2: Use of Wireguard VPN in RIST Systems **(nearly complete)**
- TR-06-4 Part 3: Firewall Traversal – RIST Relay **(major progress)**
- TR-06-4 Part 4: Control and Management for RIST Systems **(work started)**
- TR-06-4 Part 5: RIST Congestion Control
- TR-06-4 Part 6: Adaptive Encoding in RIST Systems
- TR-06-4 Part 7: Automatic Configuration for RIST Systems
- TR-06-4 Part 8: Internet/Satellite Hybrid Model
- TR-06-4 Part 9: RIST IGMP Listener

Questions?

Thank you!

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