Video Services Forum, Inc.
News Letter

Date: 7/22/2020

Issue #: 2020 – 1

The VSF Board feels it is important to keep you informed about what is going on within the VSF.

VSF Directors and Officers:

The current Board is shown below with their term expiration dates. VSF Board Members are elected by VSF Members during the annual VidTrans Conference and Exposition.

Director	Company	Term Expires
Scott Beckett	AT&T	2021
Rick Ackermans	CBS	2021
John Dale	Media Links	2021
Andy Rayner	Nevion	2021
John Mailhot	Imagine Communications	2022
Ryan Korte	Century Link	2022
Larry Sugarman	Verizon	2022
Keith Goldberg	Walt Disney Television	2022

The following VSF Officers were elected by the VSF Board for two-year terms, which expire February 2021.

President	Richard Friedel	FOX	2021
Vice President	Carl Ostrom	System Resource	2021
Secretary/Treasurer	Jack Douglass	PacketStorm Comm.	2021

VSF Member List can be viewed at:
http://vsf.tv/current_members.shtml

VSF Staff:

Brad Gilmer – Gilmer & Associates, VSF Executive Director
Bob Ruhl – VSF Operations Manager

Meetings & Events:

IP Showcase Summer Sessions
This is an AIMS/VSF sponsored event. There will be a total of 15 pre-recorded presentations available on the VSF's YouTube site. 7 presentations have been posted here: https://www.youtube.com/channel/UCm0rwVfqq7u6rvoA44CukYg
Please check them out.

VSF Interactive Series
The first meeting will feature "RIST: What is the Future?" and will be held Friday, July 31 at 11AM where Rick Ackermans- ViacomCBS will present the material and take Q&A. On August 14 Andy Rayner-Nevion will present "SMPTE ST 2110 over WAN Update". To register for Rick's presentation/meeting go here:
https://us02web.zoom.us/meeting/register/tZUlduyrrj8rGtaI8--_0JfHu_MLwfcvdKdC

The SVG/VSF TranSport Webinar is planned for Sept 23-24 Registration will be announced soon.

VidTrans2021 Annual Technical Conference and Exposition is planned for March 2–4, 2021 at the Marina del Rey Marriott, Los Angeles, CA, USA. Registration will be open in mid-October.

Joint Task-Force Networked Media update:

The Joint-Task Force - Networked Media (JT-NM) was formed to foster discussion among subject-matter experts, and to drive the development of an interoperable network-based infrastructure for live media production, encompassing file-based workflows. It brings together broadcasters, manufacturers, standards bodies and trade associations. The JT-NM participants consist of the Advanced Media Workflow Association (AMWA), the European Broadcasting Union (EBU), the Society of Motion Picture and Television Engineers (SMPTE) and the Video Services Forum (VSF).

The JT-NM Tested program held in during Spring 2020 was to include a self-tested element, followed by a face-to-face week-long JT-NM Tested event. Due to the COVID virus, JT-NM canceled the face-to-face part of the event, and put more focus onto the-self-testing element asking participants to perform their own tests, following the test plan developed by the JT-NM Experts Group. JT-NM proceeded with the program,

publishing the self-tested results along with the JT-NM Test Plans, which you will find in the catalogs available for download here.
https://www.jt-nm.org/jt-nm_tested/

For NMOS Controllers, the JT-NM was able to do the testing program more-or-less as planned, but over VPN tunnels instead of in-person. The test controllers interacted with NMOS devices hosted at the CBC labs. This testing is a great example of the power of the NMOS protocols and was successful for many participants, and may serve as an example to follow for some future activities.

Activity Group Updates

Activity Groups (AG) supply input and expertise to various industry standards bodies on behalf of the VSF. These are some of the topics that VSF Activity Groups are actively addressing:

J2K-ULL Activity Group

The VSF J2K Activity Group completed the second phase of its work during the 2Q 2018, and issued a Technical Recommendation on June 5, 2018 entitled "TR-01:2018 Transport of JPEG 2000 Broadcast Profile video in MPEG-2 TS over IP".

A new Activity Group is focused on developing a new TR which will address utilization of JPEG XS coding of typical broadcast format contribution video signals along with associated audio and ancillary data signals for WAN/LAN applications where it is advantageous to utilize a MPEG2TS wrapper and SMPTE ST 2022-2 IP encapsulation.
https://vsf.tv/J2K_Activity_Group.shtml

Chair: *John Dale III-Media Links*

Reliable Internet Stream Transport "RIST" Activity Group

The RIST project was launched specifically to address the lack of compatibility between devices, and to define a set of interoperability points through the use of existing or new standards and recommendations. To date, two open specifications have been produced: TR-06-1 (RIST Simple Profile), first released in 2018, defines the basic ARQ (Automatic Repeat Query) technology used to recover lost packets. It was updated in June, 2020 to include an optional "RTT Echo" message that streamlines the process of configuring packet buffers.

TR-06-2 (RIST Main Profile), released in 2020, defines additional functions required for commercial applications, including stream encryption, sender/receiver authentication, in-band data tunneling, and bandwidth optimization.

The RIST AG has also developed a set of Interoperability Levels to support widespread adoption of the Main Profile. A new document describing these levels is with the VSF board for approval and should be released in the near future.

Work continues within the RIST AG towards developing further RIST specifications that include additional features. https://vsf.tv/RIST.shtml

Co-Chairs: *Rick Ackermans-CBS & Wes Simpson-Telecom Product Consulting*

SMPTE ST 2110 over WAN Activity Group

Formed September 17, 2018. As ST 2110 takes off for use in studio facilities, there is an emerging requirement to long-haul these IP flows over Wide Area Networks. In doing this, there are issues that arise that will not be present in the Studio/Campus environment that need to be addressed in a common manner to allow seamless operation of multi-campus environments. The specific tasks of this group are detailed in the Activity Group Authorization Form.
https://vsf.tv/SMPTE_ST_2110_over_WAN.shtml

Chair: *Andy Rayner-Nevion*

Ground-Cloud-Cloud-Ground (GCCG) Activity Group

Formed April 20, 2020. The GCCG activity group is focused on the application space of live content transit and interchange between ground-based and cloud-based functions. As a first phase, the group will collect and organize user requirements and work towards establishing a common technical approach such that multi-vendor interoperation is possible. The specific tasks of this group are detailed in the Activity Group Authorization Form.
https://vsf.tv/Ground-Cloud-Cloud-Ground.shtml

Co-Chairs: *John Mailhot-Imagine Communications & Andy Rayner-Nevion*

Internet Protocol Media Experience (IPMX) Activity Group

Formed April 24, 2020. The IPMX activity group will collect and organize user requirements and work towards establishing a common technical approach such that multi-vendor interoperation is possible. This group will operate under the IPR guidelines of the Video Services Forum. The specific tasks of this group are detailed in the Activity Group Authorization Form.
https://vsf.tv/Internet_Protocol_Media_Experience.shtml

Co-Chairs: Jean Lapierre-Matrox & Jack Douglass-PacketStorm Communications

Note: VSF members are welcome to join Activity Groups by contacting Bob Ruhl (bob.ruhl1@verizon.net).

Presentations Database was established during the 2Q2014. This database is provided as a tool to VSF members to easily locate past presentations. Use the sort and search features to find presentations by topic, presenter name, etc.
http://www.videoservicesforum.org/presentations/index.shtml

Summary:

That's it for now. If you have any comments or suggestions, or if there is a topic that you would like to see covered in the next issue of the News Letter, please contact Bob Ruhl.