

GCCG Activity Group Update

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In lieu of an absent friend (only absent this week!).....













The live production evolution



Current status: VSF TR-11:2024



Ground-Cloud and Cloud-Ground:

Operating points defined Referencing TR-09 etc.

Cloud-Cloud:

API draft on Githuib in April 2024 Multiple revisions since during implimentations

github.com/vsf-tv/gccg-api





Key requirements







Where are the points-of-interoperability?



Work of the VSF GCCG AHG

Why is the Intra-Cloud Case Special?







Work of the VSF GCCG AHG

What is the "spec" of latency and variability?





🔘 abbear

Work of the VSF GCCG AHG

Variability on the input accumulates into the output !!!

Summary of Consensus Views and path forward

For **Ground-to-Cloud** and **Cloud-to-Ground**, target TR08/TR09 and H.264/265/JPEGXS

For *inter-instance* (intra-cloud) coordinated handoff (a "virtual facility")

- > Document an API applications can use to abstract the provided transport
- Document a timing model to manage latency while allowing variability
- > Use NMOS for flow description and connection management
 - > IS-04 with mux types, and new flow format-types per environment
 - > IS-05 with a new "transport-file" defined by this API
 - > What are the transport params ? (different for each environment)
 - > What is the timing description specification? (covered in our document)
- > API definition includes data buffer-style handoff at the API?
 - > 16 bit planar 2110 pgroup concatenated schema for video
 - > Audio 32 bit float

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> ANC "block of VANC" derived from ST2038 and RFC 8331



After 2 years, the elephant in the room











SEC

RITY

ID25

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https://github.com/bbc/tams/

Live Demo here at Vidtrans 2025!



VID25 TRANS

The demo global data flows



VID25 TRANS



Live DEMO!





Inaugural Customer Council 2024



Lots on this topic tomorrow @ VIDTRANS25

Wednesday 26th Feb 2025

Compute Media Exchange

Concluding with panel session





Thank you!



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