

Audio/Video Standards Working Group (AVWG)
Minutes – July 27, 2006 @ 9:30 a.m.
Alexander Library 4th Floor Heyer Conference Room

Present: I. Beard, I. Bogus, N. Gonzaga, B. Nahory, R. Sandler,

Guest: J. Triggs (Software Architecture Working Group)

Topics Covered:

- **Update on audio standards and advisory committee approval (I.B.)**
 - NJDH Advisory Committee has reviewed our draft for audio object standards, and was largely pleased. The Committee would like to vet the draft with audio professionals to ensure that our proposal is sound. Grace Agnew (advisory committee chair) will be distributing the standards proposal to AMIA listserv for comment, and also wants Vincent Pelote at DANA to review. Barring any concerns, the draft should get committee approval.
 - B.N. indicated that he will also contact Vincent to get his input on the document, but believes that our recommendations are mostly inline with his own, and he should be fine with the draft.
 - Action items: All - Await word from advisory committee.
- **Update on Matrox and Vendor training/documentation (B.N. and I.B.)**
 - Unfortunately, there are still issues with the server that contains the Matrox video encoder. The hardware issues that have plagued the workstation persist:
 - Hardware not recognizing all RAM (4GB) that was installed
 - Operation of included DVD burner is erratic and unreliable
 - *Media Dimensions*, the vendor that delivered the Matrox to us, has been in contact with *Hewlett-Packard*, the manufacturer of the workstation. HP now believes the issue is related to the version of Windows XP that was installed on the workstation. Lee Palmiter of Media Dimensions will be at Dana on Tuesday, Aug. 1 to re-image the system and install the new Windows version, in an effort to resolve these issues. Bob will keep the working group updated on status.
 - I.B. has also been in contact with Lee, and Lee recognizes that the training session offered was a bit rushed. To make up for this, Lee has generously offered 1 year of free tech support by phone. All committee members are encouraged to get as much hands-on exposure to the Matrox as possible, and avail themselves of this support whenever the need arises. I.B. will

forward Lee's e-mail to committee members that gives the details.

- Action items: B.N. will keep group updated on repair status. I.B. will forward support information to the group.

- **Video Object Architecture (All)**

- Both our committee and the advisory committee are concerned and aware of the problems facing us in regards to archiving full-frame uncompressed digital video.
 - By our most optimistic analyses, one half-hour of preservation-grade video will take up 10GB of storage space
 - Further complicating matters: the current FEDORA architecture of RU-CORE can only ingest files that are 2GB in size, max. Efforts are underway to increase this, but even then, max ingestable file size will be 4GB.
- Options
 - Recommend near-line storage (requires purchase of hardware, and maintaining a tape archive)
 - Force a split of video files to fit in-line with FEDORA requirements.
- Recommendations
 - The idea was suggested that instead of splitting the video files themselves, the file could be archived into a RAR or a tarball, and the compressed archive could then be split into 1.9GB segments.
 - FEDORA would then ingest the segments as multiple archival data streams.
 - When the archive must be retrieved, user will download all TAR segments. They can then use the segments to extract the TAR and reconstruct the original video file, intact.
- Action items: I.B. will draft an architecture document for review by sw_arch. B.N. will provide us with a 4GB+ sample video file to test segmenting and ingest. J.T. will assist with testing the architecture to make sure the idea is sound. Working group will meet again after testing and sw_arch review to go over steps.

- **Next Meeting:** TBA. Committee members will be contacted for next available meeting dates.