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24 January 2005

TO: Distribution

FROM: Alan Whitney

SUBJECT: 5 Jan 2005 e-VLBI telecon summary

Attendees:
Lee Foster, Paul Lang – GSFC
Tom Lehman – ISI-E
Charles Yun – Internet2
Jerry Sobieski, Chris Tracy - MAX
Kevin Dudevoir, Hans Hinteregger, Arthur Niell, Jason SooHoo, Mike Titus, Alan Whitney –
Haystack Observatory

This telecon is one of an ongoing series of telecons to prepare for 10 gigabit/sec e-VLBI demonstrations between NASA GSFC and MIT Haystack Observatory using a combination of network facilities including all or part of Glownet, Bossnet, ISI-E, SuperNet, Max and GSFC/HECN.

ACTION ITEMS ARE HIGHLIGHTED IN RED.

Glownet/Bossnet

Russ Roberge is working to set up a control plane for the Glownet/Bossnet Ray Express equipment (probably as a VLAN, though we don't know for sure) to support the DRAGON project. Kevin will contact Russ for further details and progress.

DRAGON

Jerry: Need to work on applications integration. Will put together a plan of attack over the next few weeks. Would like to get control plane working and first cut of code done by ~April 2005, in time for Internet2 meeting. If not demo at I2 meeting, might shoot for pre-meeting press release. Tom and Jerry will work out strawman timeline over next week or so.

MAX

Jerry: Still negotiating details for connection to McLean.

Dedicated connections to Kashima and Onsala

Jerry: Tough part is going to be getting from NY to Washington.   May be a few months before that link is up on NLR. HOPI may be alternative, but also some months off. Might be easier to set up dedicated link to Dwingeloo. Will contact QWEST to investigate possibility of providing a

connection to Europe.

ISI-E

Tom: High priority to get DRAGON control plane done.

Mark 5

Kevin: Priority is to upgrade Mark 5 systems at Westford and GGAO to push full 1024 Mbps onto network; requires 2xGigE links at each station. Might be able to use single GigE link and tolerate some loss, but that will take more work.

Tom: Might need to be some reconfiguration before 1024Mbps connection from GGAO to Haystack can be supported.

NASA/GSFC

Paul: Supposed to getting a Force10 E600(?) with 12 10GigE ports by 14 Jan 05. Expecting new Finesar DWDM XFP modules by end of January.

Hawaii/Germany connections

Kevin: PMRF has re-engineered connection to Kokee. Had some problems when they first came up, but hope to do testing on upgraded link soon. Haystack is preparing to send server to ISI-E which will receive transferred files from Hawaii and Germany. VLBI data will be collected on external USB2 disks which will be picked up by Kerry Kingham and hand carried to USNO for correlation.

e-VLBI Production Data Transfers

Jason: Have set up a "production e-VLBI" facility at Haystack dedicated to routine e-VLBI data transfers (mostly from Japan at this time). Goal is to make these transfer as automated and routein as possible.

Next telecon is scheduled for Tuesday, 25 Jan 2005 at 11 am EST.

cc: Steve Bernstein, LL
        Jim Calvin, LL
        Rick Larkin, LL
        Lorraine Prior, LL
        Peter Schulz, LL
        Leslie Weiner, LL
        Herbert Durbeck, GSFC
        Bill Fink, GSFC
        Lee Foster, GSFC
        Pat Gary, GSFC
        Andy Germain, GSFC
        Chuck Kodak, GSFC
        Kevin Kranacs, GSFC
        Paul Lang, GSFC
        Aruna Muppalla, GSFC
        Mary Shugrue, GSFC/ADNET

        Bill Wildes, GSFC
        Dan Magorian, UMCP
        Tom Lehman, ISI-E
        Jerry Sobieski, MAX
        Chris Tracy, MAX
        Guy Almes, Internet2
        Charles Yun, Internet2
        Richard Crowley, Haystack
        Kevin Dudevoir, Haystack
        Hans Hinteregger, Haystack
        Arthur Niell, Haystack
        Joe Salah, Haystack