

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

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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 Dudevior, 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 routine as possible.

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

cc:	Steve Bernstein, LL	Bill Wildes, GSFC
	Jim Calvin, LL	Dan Magorian, UMCP
	Rick Larkin, LL	Tom Lehman, ISI-E
	Lorraine Prior, LL	Jerry Sobieski, MAX
	Peter Schulz, LL	Chris Tracy, MAX
	Leslie Weiner, LL	Guy Almes, Internet2
	Herbert Durbeck, GSFC	Charles Yun, Internet2
	Bill Fink, GSFC	Richard Crowley, Haystack
	Lee Foster, GSFC	Kevin Dudevoir, Haystack
	Pat Gary, GSFC	Hans Hinteregger, Haystack
	Andy Germain, GSFC	Arthur Niell, Haystack
	Chuck Kodak, GSFC	Joe Salah, Haystack
	Kevin Kranacs, GSFC	
	Paul Lang, GSFC	
	Aruna Muppalla, GSFC	
	Mary Shugrue, GSFC/ADNET	