From: Gerry Houlder, Seagate Technology <gerry.houlder@seagate.com>
Subj: Minutes of Sept. 17 Interface Power Management Telecon
Date: Sept. 18, 2008

This teleconference occurred on Sept. 17, 2008 at 10:00 am CDT. The teleconference was hosted by Gerry Houlder (Seagate) and 15 attendees were recorded. Attendees were as follows:

Kevin Marks (Dell)
Dan Colgrove (Hitachi GST)
Amit Shah (Intel)
Kishore Karthik (Intel)
Mark Seidel (Intel)
Brian Besmer (LSI)
Brian Day (LSI)
George Penokie (LSI)
Tim Symons (PMC-Sierra)
Gerry Houlder (Seagate)
Mark Evans (WD)
Pak Seto
M. S. Mobin
Eeloon Teoh
Dave Uddenberg

The agenda included:
email questions sent by Amit Shah (Intel)
08-249r2 – SAS-2+: Link Layer Power Management.

Most of the questions asked by Amit were covered during discussion of the Link Layer management proposal. Two items related to SAS transceiver specifications could not be answered by this group and will be carried forward to another meeting when appropriate experts are in attendance.

(1) The transceiver outputs “may” or “shall” float when in power managed state? Floating is currently undefined, only dc idle is defined and it is different than floating.
(2) For 6G SAS, is DFE lock time more like 30us and therefore unable to meet the 10us goal for partial mode?

George Penokie (LSI) led the group through the latest revision of 08-249, which covers the link layer state machine. Particular attention was paid to hot plug timeout interval, PMACK response timeout, and other unusual responses to PMREQ primitive. The group suggested a change to the case where both ends send PMREQ at the same time. George will include this in a future revision.

The group decide to hold another teleconference on Sept. 24 at 10:00 am CDT. We know the lead time for this is short, but the first 3 weeks in October have conflicts for some key attendees. The agenda for that meeting will be to cover revision to 08-206 (the SP state machine) and other subjects if time allows. Telecon details will be sent to SCSI reflector.

The teleconference ended at 11:55 am.