

CGNS Telecon Minutes

Tuesday, 05 April 2016, 10:00am Eastern Time

1. The meeting was called to order by ZJ Wang at 10:05am eastern time. Attendees are listed in Appendix A.
2. Mar 1, 2016 minutes were approved as published on the website.
3. Steering committee issues:
 - a. Committee members (telecon last date attended):
 - a. Airbus 12/15
 - b. ANSYS 12/15
 - c. Boeing 3/16
 - d. Colo State 4/16
 - e. GE 10/15
 - f. HDF 4/16
 - g. IL 5/15
 - h. NASA LRC 4/16
 - i. ONERA 4/16
 - j. Pointwise 4/16
 - k. P&W 4/16
 - l. Tecplot 12/14
 - m. TTC 12/14
 - n. U Colo 4/16
 - o. U Kansas 4/16
 - b. All steering committee members are still encouraged to get atlassian accounts, so they can monitor CGNS software bugs & issues. Do so at: <https://cgnsorg.atlassian.net/admin/users/signup>. The site is then accessed via: <https://cgnsorg.atlassian.net>.
 - c. Committee member Kaveh Mohammed's (GE) email now bounces.
4. Discussion
 - a. Code release & infrastructure status
 - i. A few bugs have been identified; one is issues with "modify" mode, appears to be related to HDF; will have to fix prior to next release.
 - ii. Coverity report on "defects" is available.
 - iii. Parallel issue: if want sub-reading or sub-writing, currently expects either one or all processors: to be fixed in the future.
 - b. HDF5 status
 - i. HDF 1.10.0 has just been released; has improved metadata reading, and multiple dataset reading/writing.
 - ii. CGNS can work with 1.10.0, but it is slower than with 1.8 (both serial and parallel). HDF plans to improve this speed issue in next release 1.10.1.
 - iii. Breitenfeld to write a recommendation regarding what packages are best to use with CGNS, and Rumsey to post in on the Download page.
5. Grant Possibilities
 - a. NSF Grant (SSE) is due at end of April. Last year's proposal was not funded. Lengthy discussion centered around possibilities this time. Most likely is high order visualization / high order elements, combined with parallel improvement. If funded, then could start off by having a workshop to get community input. Hauser to take lead in putting NSF proposal

- together, with help from Wang. Letters of support will be needed from other committee members. All this to be done off-line in coming weeks.
- b. Pointot introduced Eric Feron (GA Tech). Eric talked to the committee about his work and possible proposals. He talked about a possible larger NSF proposal (software integration area). He expressed an interest in joining the CGNS Steering Committee in the future.
 - c. Hauser is pursuing a DOE proposal in exascale, involving CGNS. He is looking at possible ways to involve the HDF Group as a part of it.
6. Review action items
 - a. Guzik to implement CPEX 40 into MLL and revise the SIDS HTML docs appropriately.
 - i. Slowly working it; this has been made into a feature request on JIRA, so will be removed from Action Items. In future meetings, we will regularly Review outstanding JIRA items/tasks.
 - b. Hauser and Breitenfeld to investigate possibility of applying for NSF SSE grant.
 - i. Ongoing.
 - c. Hauser will try to partner with Breitenfeld (HDF) on the DOE proposal.
 - i. Ongoing.
 - d. Rumsey to ping Spiegel at NASA Glenn re their experiences with parallel CGNS.
 - i. Done; no response.
 7. New business
 - a. Pointot spoke about a possible survey of CGNS users, to get more feedback from the community.
 8. Ongoing Action Items
 - a. Review outstanding JIRA items/tasks.
 - b. Breitenfeld to write a recommendation regarding what packages are best to use with CGNS, and Rumsey to post in on the Download page.
 - c. Hauser to take lead in putting NSF proposal together, with help from Wang. Letters of support will be needed from other committee members. All this to be done off-line in coming weeks.
 - d. Hauser to continue to pursue DOE proposal.
 9. The next meeting is tentatively scheduled for Tuesday, 28 June 2016 at 10am Eastern.
 10. Adjourn

Appendix A – Attendees

Pat Baker	Pointwise
Scot Breitenfeld	HDF Group
Bob Bush	Pratt & Whitney
Eric Feron	GA Tech
Stephen Guzik	Colorado State U
Thomas Hauser	U Colorado
Marc Pointot	ONERA
Chris Rumsey	NASA LaRC
ZJ Wang	U Kansas