

## CGNS Telecon Minutes

Tuesday, 3 March 2015, 10:00am Eastern Time

1. The meeting was called to order at 10:0am Eastern Time. Attendees are listed in Appendix A.
2. Dec 2, 2014 minutes were approved as published on the website.
3. Steering committee issues:
  - a. NSF Proposal status was discussed. It was submitted, but we may have to wait several months to hear the result. Breitenfeld has emailed all committee members a copy of the proposal.
4. Discussion
  - a. HDF parallel status and plans for release of Version 3.3
    - i. Parallel branch is in main trunk now.
    - ii. Problems with slow metadata reads traced to issues in HDF5, especially on GPFS systems (IBM); less issues on Lustre systems. HDF Group has a fix: will tentatively be in next major release of HDF5 (1.10). When it comes out, CGNS APIs will probably need to add a flag to some calls, to take advantage of the fix. This especially applies to `cgp_open` when in reading mode.
    - iii. Committee members are still encouraged to do more testing of the parallel capability.
    - iv. Breitenfeld noted that V3.3 has some significant changes to Fortran. He fixed promoting integers to 8 bytes; got away from `include`; uses `module` instead.
    - v. Decision made to release V3.3 as beta, to be done in the next few weeks. Breitenfeld to coordinate with Rumsey to release V3.3 beta, including adding some new documentation.
  - b. Possible CGNS repository move to GitHub
    - i. Breitenfeld to take lead on porting relevant repositories to GitHub. Static stuff will not be kept in repositories, rather stored on main docs website.
    - ii. Decision also made that we need to get away from NASA Glenn hosting the docs website. Rumsey to look into moving main website and all documentation to another site, like Google.
    - iii. We discussed fact that `cgns.org` comes up for renewal in about 1 year. Wang will look into renewing `cgns.org` domain name.
5. Review action items
  - a. Wang and Imlay agreed to collaborate to test quartic elements (CPEX 38).
    - i. Done by Wang.
  - b. Rumsey will lead the effort to eventually port everything to GitHub.
    - i. Task transferred to Breitenfeld.
  - c. Rumsey to add a message to the main CGNS website regarding need for up-to-date compilers.
    - i. Done.
  - d. Breitenfeld to update release notes and/or install notes in the repository to describe compiler requirements.
    - i. Done.
  - e. Breitenfeld to merge his changes back into the trunk around beginning of January 2015.
    - i. Done.
  - f. Pointot to implement CPEX 39 into MLL and revise the SIDS appropriately.
    - i. Action carries.

- g. Guzik to revise write-up of CPEX 40 and submit to Rumsey. Rumsey to send revision for final ballot.
  - i. Action carries.
- 6. New business
  - a. Poinot found a bug in `cgns_internals/cgi_read_zone` (from Windt CGNSTalk email). It is enclosed in preprocessing flags, so is not always an issue. Poinot forwarded the fix to Breitenfeld, who committed it to the repository.
- 7. Ongoing Action Items
  - a. Breitenfeld to coordinate with Rumsey to release V3.3 beta, including adding some new documentation. Wang and Imlay agreed to collaborate to test quartic elements (CPEX 38).
  - b. Breitenfeld to take lead on porting relevant repositories to GitHub.
  - c. Rumsey to look into moving main website and all documentation to another site, like Google.
  - d. Wang will look into renewing cgns.org domain name.
  - e. Poinot to implement CPEX 39 into MLL and revise the SIDS appropriately.
  - f. Guzik to revise write-up of CPEX 40 and submit to Rumsey. Rumsey to send revision for final ballot.
- 8. The next meeting was tentatively scheduled for Tuesday 19 May 2015 at 10am Eastern.
- 9. Adjourn

**Appendix A – Attendees**

Scot Breitenfeld	HDF Group
Bob Bush	P&W
Simone Crippa	Airbus
Dmitri Kamenetskiy	Boeing
Mohamed Kaveh	GE
Marc Poinot	ONERA
Chris Rumsey	NASA
ZJ Wang	Kansas U