CGNS Steering Committee Telecon Minutes
02 February 2011

1) The telecon was called to order at 11:00 AM eastern time. There were 8 attendees, listed in Attachment 1.

2) The minutes of the 01 December 2011 telecon were approved.

3) Status of Version 3
   a) Wedan has been making great progress under contract funding from NASA. This work included the following items: remove 32-bit integer restrictions, implement CPEX 027, 030, and 031, implement parallel capability as a build option, and provide documentation. He has removed the 32-bit integer limitations of the CGNS software, and is just wrapping up a few minor bug fixes prior to releasing Version 3.1 within a week or so. The new code uses a cg_size_t typedef. With the new code, 32-bit integers can still be used, if desired. Further, one can still write an ADF file compatible with Version 2.54 through the use of cg_set_file_type (CG_FILE_ADF2). Wedan to coordinate with Rumsey on V3.1 release so the documentation can be appropriately updated.
   b) With 64-bit integers in Version 3.1, there is little impact for HDF5 file types, but big impact for ADF file types.
   c) HDF5 will now be the default (as long as the code is compiled with HDF5 support). ADF files will continue to be supported.
   d) For Fortran codes, automatic integer promotion to double precision works right away with the new software. However, one has to be careful if there are any explicitly integer*4 declarations.
   e) Parallel CGNS will not be in the first V3.1 release. It will be added later.
   f) Rumsey now has access to the documentation part of the website (in addition to Iannetti), and has made many of the changes requested over the last several months.
   g) Wedan to move PYRA_13 order to come after MIXED. This will reduce the likelihood that the re-ordering could mess someone up if trying to read a 3.1 file with an earlier version of CGNS. (Recall that version 3.1 officially breaks forward compatibility.)
   h) Jiao had committed changes that allow V3 to be compiled with HDF5 versions earlier than 1.8, even though linking capability will not work with the earlier versions. Rumsey to mention on website download page that if building CGNS with an HDF5 version earlier than 1.8, then links will not work for the HDF5 files.

4) Steering Committee issues – Steve Allmaras no longer represents Boeing-Seattle. For now, John Bussoletti will fill in. Bussoletti to name new Boeing steering committee representative.

5) Documentation issues – Hauser and Rumsey will discuss long term ideas for hosting the documentation, so that it would be easier for all developers to access it.

6) Status of previous action items
   a) Regarding documentation, for a short-term solution, Iannetti will attempt to get Rumsey an account, so that two people will have access to making doc changes.
      i) Done.
   b) Recommendation was made, voted on, and carried for Hauser to make the next announced release the first official V3 release (i.e., take off of beta status) after fixing minor "make" issue, and also create new bundled tarball.
      i) To be done soon. This is part of another action item.
   c) Wedan to fix 32-bit integer limit issue.
      i) Done. Will be released as V3.1 soon.
   d) Iannetti to implement Hann's document changes.
      i) Not done yet. Rumsey will document Hann's changes.
   e) Hauser to email to committee asking for a vote to approve the SIDS-to-Python mapping.
      i) Done. Votes by committee on SIDS-to-Python mapping due Feb 18.
   f) Rumsey to add links on website, after bundled tarball is corrected.
      i) Will be done after release. This is part of another action item.
   g) Duque and Hauser to continue to look into the consortium idea for CGNS, including more active support of HDF-5 consortium. Also look into applying to NSF software infrastructure for sustained innovation.
      i) Carries.
   h) Poinot to split Rigid Motion Proposal into 2 parts: part associated to families can be accepted/implemented right away.
      i) Done. Rumsey to post Poinot's new CPEX proposals to the website, and Hauser to ask for a vote..
   i) Iannetti to develop starting point for proposal for handling sprays of unconnected points, and work with Hauser and Duque to bring it to fruition.
      i) Carries.
   j) Iannetti to post changes to MLL calls for V3.0 (e.g., is_cgns, cg_section_partial_write, cg_element_partial_write) to V3 docs pages, and Rumsey to summarize important changes on website.
      i) Done.
   k) Wedan to document cg_io replacement calls to ADF and send to Rumsey and Iannetti.
      i) Carries.
   l) Wedan to look into the problem with the 64-bit cg_goto_f.
      i) May have been caused by compiler flag… will continue to check.
   m) Iannetti to post new tutorial slides on the website.
      i) Done.
   n) Hauser to tar up the docs (developer's documentation) which are part of the release and send to Iannetti for posting.
      i) No longer necessary. Item removed.

7) Next Telecon is tentatively set for Wed, March 2, 2011, 11 am eastern.

8) Summary of **action items**:

   a) Wedan to coordinate with Rumsey on V3.1 release so the documentation can be appropriately updated.
   b) Wedan to move PYRA_13 order to come after MIXED.
   c) Rumsey to mention on website download page that if building CGNS with an HDF5 version earlier than 1.8, then links will not work for the HDF5 files.
   d) Bussoletti to name new Boeing steering committee representative.
   e) Hauser and Rumsey will discuss long term ideas for hosting the documentation, so that it would be easier for all developers to access it.
   f) Rumsey will document Hann's changes.
   g) Votes by committee on SIDS-to-Python mapping due Feb 18.
   h) Duque and Hauser to continue to look into the consortium idea for CGNS, including more active support of HDF-5 consortium. Also look into applying to NSF software infrastructure for sustained innovation.
   i) Rumsey to post Poinot's new CPEX proposals to the website, and Hauser to ask for a vote.
   j) Iannetti to develop starting point for proposal for handling sprays of unconnected points, and work with Hauser and Duque to bring it to fruition.
   k) Wedan to document cg_io replacement calls to ADF and send to Rumsey and Iannetti.
   l) Wedan to look into the problem with the 64-bit cg_goto_f.

Attachment 1: Attendees

Ken Alabi	TTC Technologies
Juan Alonso	Stanford University
John Bussoletti	Boeing
Thomas Hauser	University of Colorado
Scott Imlay	Tecplot
Marc Poinot	ONERA
Chris Rumsey	NASA Langley
Bruce Wedan	Computational Engineering Solutions