

CGNS Steering Committee Telecon Minutes
08 September 2010

- 1) The telecon was called to order at 11:00 AM eastern time. There were 7 attendees, listed in Attachment 1.
- 2) The minutes of the 10 June 2010 telecon were not available for review yet, so approval will be postponed until next meeting.
- 3) Status of CGNS Version 3.0
 - a) Poinot discovered that Wedan's last mods to V2.5 did not make it into V3.0 (for example, function `cg_elements_partial_read` is not there). Hauser and Poinot to insure that all of V2.5 latest corrections make it into V3.0, and also to correct and commit `cgio_get_link` bug fix and `cg_elements_partial_read` bug fix.
 - b) The fixing of the 32-bit integer issue is still of the highest priority. Plan is to fix similar to how HDF5 handles it. Probably should use `ifdefs`, so can get old code back if desired. Will have `longlong` or `int`, but not both useable at the same time. Exception: will probably need separate functions for `cg_array_read` and `cg_array_write` to handle both `int` and `longlong`. Wedan, Hauser, and Poinot to coordinate fix of 32-bit integer limit issue.
- 4) Status of previous action items
 - a) Hann to send documentation changes needed for 2.5 and 3.0 to Hauser, Rumsey, and Iannetti.
 - i) Done. Iannetti to implement Hann's document changes.
 - b) Hauser to email to committee asking for a vote to approve the SIDS-to-Python mapping.
 - i) Carries.
 - c) Hauser to correct bundled tarball for V3.0 and let the committee know when done.
 - i) Carries.
 - d) Chris to add links to beta and parallel code on website, after bundled tarball is corrected.
 - i) Dependent on c. Carries.
 - e) Wedan to look into issue of need for `partial_read` functionality with low memory usage (identified by Bussoletti in CGNSTalk, 3/25/10).
 - i) Carries.
 - f) Iannetti to look into NASA form that allows for a payment of newly released software.
 - i) Done. It will be worth filing V3.0 software via this NASA form once it is officially released (taken off beta status).
 - g) Hauser to fix bug identified by Jiao 3/9/10 in CGNSDLL `int cg_field_read` prior to release of V3.0.
 - i) Carries.
 - h) Rumsey to put message on website stating that for V3.0 with HDF-5 it is necessary to use HDF-5 V1.8 or later.

- i) Done.
 - i) Hauser to update website “Download” page, including making list of what is new in V3.0 compared to V2.5 – including new MLL calls/changes, and send to Rumsey to post on website.
 - i) Carries.
 - j) 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.
 - k) Poinot to split Rigid Motion Proposal into 2 parts: part associated to families can be accepted/implemented right away.
 - i) Carries.
 - l) Hauser to email descriptions and instructions regarding HDF-5 parallel code under SVN at Sourceforge to Rumsey for posting on website.
 - i) Carries.
 - m) 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.
 - n) Wedan to document changes to MLL calls for V3.0 (e.g., `is_cgns`, `cg_section_partial_write`, `cg_element_partial_write`), and send to Rumsey and Iannetti for posting to V3.0(beta) docs pages.
 - i) Done. Iannetti to post changes to MLL calls for V3.0 (e.g., `is_cgns`, `cg_section_partial_write`, `cg_element_partial_write`) to V3 (beta) docs pages.
 - o) Wedan to document `cg_io` replacement calls to ADF and send to Rumsey and Iannetti.
 - i) Carries.
 - p) Hauser to fix the “long” vs “int” issue (4 byte integer limit).
 - i) Carries (see 3b above).
 - q) Hauser to look into the problem with the 64-bit `cg_goto_f`.
 - i) Transferred to Wedan. Wedan to look into the problem with the 64-bit `cg_goto_f`.
 - r) Iannetti to post Hauser’s recent paper on parallel I/O with CGNS.
 - i) Done.
 - s) Iannetti to post new tutorial slides on the website.
 - i) Carries.
 - t) Hauser to tar up the docs (developer’s documentation) which are part of the release and send to Iannetti for posting.
 - i) Carries.
- 5) Next Telecon tentatively set for Wed, Oct 20, 2010, 11 am eastern.
- 6) Summary of **action items**:

- a) Hauser and Poinot to insure that all of V2.5 latest corrections make it into V3.0, and also to correct and commit `cgio_get_link` bug fix and `cg_elements_partial_read` bug fix.
- b) Wedan, Hauser, and Poinot to coordinate fix of 32-bit integer limit issue.
- c) Iannetti to implement Hann's document changes.
- d) Hauser to email to committee asking for a vote to approve the SIDS-to-Python mapping.
- e) Hauser to correct bundled tarball for V3.0 and let the committee know when done.
- f) Rumsey to add links to beta and parallel code on website, after bundled tarball is corrected.
- g) Wedan to look into issue of need for `partial_read` functionality with low memory usage (identified by Bussoletti in CGNSTalk, 3/25/10).
- h) Hauser to fix bug identified by Jiao 3/9/10 in CGNSDLL int `cg_field_read` prior to release of V3.0.
- i) Hauser to update website "Download" page, including making list of what is new in V3.0 compared to V2.5 – including new MLL calls/changes, and send to Rumsey to post on website.
- j) 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.
- k) Poinot to split Rigid Motion Proposal into 2 parts: part associated to families can be accepted/implemented right away.
- l) Hauser to email descriptions and instructions regarding HDF-5 parallel code under SVN at Sourceforge to Rumsey for posting on website.
- m) Iannetti to develop starting point for proposal for handling sprays of unconnected points, and work with Hauser and Duque to bring it to fruition.
- n) Iannetti to post changes to MLL calls for V3.0 (e.g., `is_cgns`, `cg_section_partial_write`, `cg_element_partial_write`) to V3 (beta) docs pages.
- o) Wedan to document `cg_io` replacement calls to ADF and send to Rumsey and Iannetti.
- p) Wedan to look into the problem with the 64-bit `cg_goto_f`.
- q) Iannetti to post new tutorial slides on the website.
- r) Hauser to tar up the docs (developer's documentation) which are part of the release and send to Iannetti for posting.

Attachment 1: Attendees

Steve Allmaras
Thomas Hauser
Tony Iannetti
Mike Jeffries
Marc Poinot
Chris Rumsey
Brude Wedan

Boeing
Northwestern University
NASA Glenn
Pointwise
ONERA
NASA Langley
SimCosm, Inc.