

CGNS Telecon Minutes

Tuesday, 25 June 2019, 10:00am Eastern Time

1. The meeting was called to order by ZJ Wang. Attendees are listed at the end of the minutes.
2. 21 May 2019 minutes were approved as published on the website.
3. Steering Committee Issues
 - a. As of Fall 2019, Rumsey/Bush/Wang will have served 5 years as co-chairs of the CGNS Steering Committee (Bush also served as chair from 1999-2003, and Rumsey was chair from 2003-2008.) Rumsey and Bush will step down as co-chairs, but will continue as regular members on the committee (Rumsey agreed to continue to take minutes). Scot Breitenfeld agreed to help the CGNS cause by serving as co-chair of the Steering Committee starting in October 2019. We are still soliciting another committee member to volunteer to help Scot perform co-chair duties. Duties: run telecons, lead/monitor/guide overall forward progress of the CGNS standard. This can be considered a career-building leadership role, as well as a valuable service to the standards community. ZJ Wang will continue to help until a co-chair replacement can be found.
4. Steering committee attendance:
 - a. Committee members (telecon last date attended):

Airbus	06/2019
ANSYS	03/2019
Boeing	05/2019
Cenaero	06/2019
Colo State	06/2019
DLR	06/2019
HDF	06/2019
IL	06/2019
NASA LRC	06/2019
Numeca	06/2019
nVariate	06/2019
ONERA	05/2019
P&W	05/2019
Pointwise	06/2019
SAFRAN	06/2019
Sandia	06/2019
Tecplot	06/2019
TTC	11/2018
TU Delft	06/2019
U Colo	05/2019
U Kansas	06/2019
5. Discussion
 - a. As modified recently, CPEX 0042 (Storing the Bounding Box of a Grid) and CPEX 0043 (Family Hierarchy as a Tree) both were accepted unanimously (by vote of members present). Status is now “accepted; awaiting implementation.”
 - b. There was some discussion on CPEX 0045 (Polynomial Data and Curved Grid Elements), which was recently slimmed down from its original version as a result of subcommittee reviews. At the end of the discussion, the new CPEX 0045 was voted on by members

present, and accepted unanimously. The revised version is now posted to the website. Its status is “accepted; awaiting implementation.”

- c. Other recently proposed CPEXes are still on the table: 0044, 0046 (both awaiting further developments/revision), and Hillewaert plans to eventually put the part of CPEX 0045 that was removed into a new CPEX.
 - d. The accepted CPEXes need to be implemented by their owners (1. Online SIDS documentation, 2. Online Filemap documentation, and 3. MLL coding) before they can be brought into the official CGNS release.
6. Review action items
- a. Continue to review outstanding JIRA items/tasks.
 - i. Carries.
 - b. For CPEX 0040, Guzik to add documentation for additional examples.
 - i. Carries.
 - c. Rumsey to make docs change for P4 higher order elements.
 - i. Done.
 - d. Breitenfeld will add Gutzwiller’s large unstructured multi-block partial write test to regression test suite and see if he can reproduce the issues.
 - i. Carries.
 - e. Hillewaert, Pointot, Wang, and Karman to decide about CAD classification. May need new writeup on how best to use current functions to define/describe surface info.
 - i. Carries.
 - f. Breitenfeld to update documentation for Intel compilers (serial and parallel) for Windows.
 - i. Carries.
 - g. Breitenfeld to upload white paper about new compact storage to CGNS site.
 - i. Done. Available on http://cgns.github.io/CGNS_docs_current/index.html, under HDF5 Implementation:
(http://cgns.github.io/CGNS_docs_current/hdf5/CGNS_cgp_open_study.pdf)
 - h. Pointot and colleagues to prepare final CPEX 0042-43, according to reviews and discussions.
 - i. Done.
 - i. Hillewaert to arrange off-line meetings to determine how to best address the CPEX 0044-45 reviews plus discussions.
 - i. Done.
 - j. Hauser to arrange off-line meetings to determine how to best address the CPEX 0046 reviews plus discussions.
 - i. Carries.
7. Ongoing action items
- a. Continue to review outstanding JIRA items/tasks.
 - b. For CPEX 0040, Guzik to add documentation for additional examples.
 - c. Breitenfeld will add Gutzwiller large unstructured multi-block partial write test to regression test suite and see if he can reproduce the issues.
 - d. Hillewaert, Pointot, Wang, and Karman to decide about CAD classification. May need new writeup on how best to use current functions to define/describe surface info.
 - e. Breitenfeld to update documentation for Intel compilers (serial and parallel) for Windows.
 - f. Hauser to arrange off-line meetings to determine how to best address the CPEX 0046 reviews plus discussions.
8. New business:
- a. None.

9. The next meeting is tentatively scheduled for Tuesday, 3 September 2019 at 10am Eastern.

10. Adjourn

Attendees:

Scot Breitenfeld	HDF Group
Simone Crippa	Airbus
Earl Duque	Intelligent Light
David Gutzwiller	NUMECA
Stephen Guzik	Colorado State
Scott Imlay	Tecplot
Koen Hillewaert	Cenaero
Steve Karman	Pointwise
Tobias Leicht	DLR
Matthias Moller	TU Delft
Marc Pointot	SAFRAN
Chris Rumsey	NASA Langley
Greg Sjaardema	Sandia
Ben Urick	nVariate
ZJ Wang	U Kansas