

## CGNS Telecon Minutes

Tuesday, 27 March 2018, 10:00am Eastern Time

1. The meeting was called to order by ZJ Wang. Attendees are listed in Appendix A.
2. 30 January 2018 minutes were approved as published on the website.
3. Steering Committee Issues
  - a. DLR voted onto Steering Committee. Will be represented by Tobias Leicht (not present at this meeting, but a colleague Bernhard Eisfeld was in attendance)
4. Steering committee attendance:
  - a. Committee members (telecon last date attended):

Airbus	03/2018
ANSYS	03/2018
Boeing	01/2018
Cenaero	03/2018
Colo State	01/2018
DLR	03/2018
HDF	03/2018
IL	03/2018
NASA LRC	03/2018
Numeca	01/2018
ONERA	03/2018
P&W	03/2018
Pointwise	03/2018
SAFRAN	03/2018
Sandia	10/2017
Tecplot	10/2017
TTC	11/2016
U Colo	01/2017
U Kansas	03/2018
5. Discussion
  - a. Discussion led by Hillewaert on CAD classification. Hillewaert presented documents on this, and there was some constructive debate on how to proceed. A suggestion was made that the various parties write down their positions, to help everyone understand better.
  - b. Discussion on status of high order extension proposal led by Hillewaert. Some disagreement here, too. Concern that too much delay on functions would also delay the acceptance of the high order CPEX.
6. New items
  - a. Breitenfeld indicated that a new CGNS release was needed soon. He will do this within next month or so; although there are still some questions about certain items to go into it.
  - b. Poinot is planning to email to CGNSTalk details about another CPEX.
7. Review action items
  - a. Continue to review outstanding JIRA items/tasks.
    - i. Item carries. All committee members need to be sure to sign up on JIRA. We now also have "Confluence".
  - b. Hillewaert to email details of the 2 preliminary high order CPEXes to the committee, and ask for feedback by March 1 2018.

- i. Feedback has been received; there is still back-and-forth on it. Still some work to be done on functions. The interested parties to continue discussions.
  - c. Garratt to work with Breitenfeld to update documentation for cmake and compression.
    - i. Mostly done, but still need to update docs on Intel compilers (serial and parallel).
  - d. Guzik to finalize implementation of CPEX 0040.
    - i. Not done yet, carries.
  - e. Legay to make alpha implementation of CPEX 0041 implementation available on github, for trial and feedback by others on the committee.
    - i. Done, but no response from committee as yet. Baker to pull it and do some limited testing. Breitenfeld asked if there is any test included with the software. If so, it should be added to the automatic testing.
  - f. Hillewaert to specify how the CGNS standard for P4 high-order mesh definitions needs to be changed to be consistent with existing textbook standard.
    - i. Item carries.
- 8. Ongoing action items
  - a. Continue to review outstanding JIRA items/tasks.
  - b. Hillewaert, Poinot, Wang, and others to decide about CAD classification and work toward finalizing high order and related CPEXes.
  - c. Breitenfeld to update documentation for Intel compilers (serial and parallel).
  - d. Guzik to finalize implementation of CPEX 0040.
  - e. Baker to perform limited testing of CPEX 0041 implementation available on github.
  - f. Legay to work with Breitenfeld to add a test of the CPEX 0041 related software.
  - g. Hillewaert to specify how the CGNS standard for P4 high-order mesh definitions needs to be changed to be consistent with existing textbook standard.
- 9. The next meeting is tentatively scheduled for Tuesday, 5 June 2018 at 10am Eastern.
- 10. Adjourn

## **Appendix A – Attendees**

Pat Baker	Pointwise
Scot Breitenfeld	HDF Group
Bob Bush	Pratt & Whitney
Simone Crippa	Airbus
Earl Duque	Intelligent Light
Bernard Eisfeld	DLR
Tony Garratt	ANSYS
Koen Hillewaert	Cenaero
Pierre Jacques-Legay	ONERA
Marc Poinot	Safran
Chris Rumsey	NASA Langley
ZJ Wang	U Kansas