

CGNS Steering Committee
Telecon Minutes
15 May 2002
2:00pm Eastern Time

Telecon Number: (850) 240-9853, participant code: 557184

The meeting was called to order at 2:00pm EDT. The attendees are listed in [Attachment 1](#). The minutes of the last telecon were approved as posted on the Web.

Charter Business — Bob Bush introduced two people who have requested to attend Steering Committee meetings. These were:

Steven J. Massey Eagle Aeronautics, Hampton, VA
John Bussoletti Boeing Commercial Airplane Group

Steve Massey introduced himself and indicated that he would be working on the NASA Langley contract (discussed in more detail below).

ISO Status — Ray Cosner was not available but sent in an e-mail indicating that there have been no ISO meetings since the last telecon, so there is no update.

Documentation — Bob Bush indicated that Jim French and Craig Day have indicated that only 3 Steering Committee members have voted thus far on the AIAA standard (re-format of the SIDS). Bob encouraged all the Steering Committee Members to vote soon. Bob will send a reminder to the Steering Committee members.

Charlie Towne gave an overview of the documentation status. He indicated that there is a new Overview and Entry Level document, and that all documents have been version controlled with references to software version numbers.

John Chawner indicated that he might not be able to attend the Grid Generation Conference in Hawaii, but that in any event, CGNS would be represented on the panel discussion by a representative from Pointwise. If John cannot attend, the representative will be John Steinbrenner.

Extensions — Chris Rumsey introduced the new Langley sub-contracted effort to be performed by Eagle Aeronautics, with ICEM CFD contributions. The effort will focus on three areas. The largest will be the development of utilities to support translation, node to cell conversion, primitive to conservative variable conversion, etc. The other 2 areas will be adding the ability to delete node children, and adding SIDS based extensions. Bruce Wedan indicated that these capabilities will be developed with a TCL/TK GUI and loosely coupled to the "advviewer" viewer that he wrote. The programming will be done in C and so portable. The capabilities will be developed as a series of independent programs callable from scripts or the GUI.

Todd Michal of Boeing indicated that they were interested some old extensions that have not been implemented yet. Some of these are in the current Langley sub-contract (Axi Symmetry, Rotating Coordinates and Gravity), some need more definition (Wall functions and Periodic BC's), and some are yet to be proposed (frozen BC's, Bleed-Blowing BC's, Electro-Magnetic extensions, and solution specific BC's). Boeing will take a cut at defining the new extension proposals, and reviewing the existing extension proposals.

Chris Rumsey reinforced the notion that we need to put more fidelity into the extensions before they can be effectively implemented.

Diane Poirier proposed taking the beta status off the version 2.1 release. The value of `NormalListFlag` returned by the function `cg_boco_info` has been modified. It was previously set to 1 when `NormalList` was defined, and 0 when it was not. In this new version, if `NormalList` exists, `NormalListFlag` is set to the number of data contained in `NormalList`. However, this is seldom used to date and should pose no problem. It was agreed to release version 2.1.

Next Meeting — There will be an informal meeting at the summer fluids conference in St. Louis the week of 24 June. The tentative time is set for Monday evening, at 7:00. The room is to be determined. We do not have much on the agenda, Bob Bush will send out a request for topics and discussion items.

Other — Todd Michal indicated that the Unstructured Grid Consortium was continuing to make progress in defining interfaces and an API between grid generation modules. The consortium is using CGNS data structures as a guide for much of the development. There should be a draft out soon for public comment. Todd will send an announcement, with the web address to Bob Bush to forward to the CGNS team.

There being no additional issues, the meeting was adjourned.

Attachment 1 — Attendees

Bob Bush

Steve Massey

Dave Schowalter

Todd Michal

Chris Rumsey

Teresa Benyo

Armen Darian

David Edwards

Bruce Wedan

Diane Poirier

John Chawner

Charlie Towne

Dan Dominic