Minutes of CGNS Steering Committee Teleconference

December 9 1999, 12h-13h15 E.S.T.

Christopher Rumsey

Attendees:

Robert Bush:	UTRC
Steve Legensky:	Intelligent Light
John Chawner:	Pointwise
Dan Dominik:	Boeing Rocketdyne
Theresa Babrauckas:	NASA Glenn
Armen Darian:	Boeing Rocketdyne
Barb Hutching:	Fluent Inc.
Todd Michael: Boeing St-Louis	
Diane Poirier:	ICEM CFD Engineering
Christopher Rumsey:	NASA Langley

1. Welcome

2. Outstanding Items

The steering Committee meeting in Reno is Monday night, 6:30 PM in Carson 1. It is opened to anyone else interested. Depending on attendance, Diane may or may not give a CGNS overview presentation at the beginning of the meeting.

3. Charter Revisions

Steve Legensky, president of Intelligent Light, would like to be active on the CGNS Steering Committee. His company is willing to provide funding and/or a body to work on CGNS software development. At Reno, the committee will vote to add Intelligent Light (and others?) to the Steering Committee.

According to Diane, DASA/MTU and NUMECA are not decided yet about joining.

When the committee deals with Fluent, it should deal with Barb from now on (she is now their contact point).

Pointwise (Gridgen) is very interested, but not committed to join at this point. John Chawner will attend the Reno meeting.

Outreach Committee will contact S.W. Research Inst. (Steve will provide Barb with name of contact) regarding their interest in CGNS. Outreach Committee should also continue to feel out DASA/MTU and NUMECA.

4. AIAA Position Paper

Will change "affiliate" with other organizations to "associate" (will only "affiliate" with AIAA).

Bob will attend the Committee on Standards (CoS) meeting at Reno (Rm 153, 7PM Tuesday).

CoS may want to form by-laws in the future (there are none now).

5. Funding

Mostly discussion during this section:
- not sure precisely how to proceed with getting funding yet
- requirements perhaps too vague at this point - need to develop more specific Statements of Work?
- 2 types of work: fundamental/utility and customizing (e.g. NPSS)
- to go after future NASA or Boeing funding, we will need to put forward specific proposal(s)
- if we can first find funding sources, then we can tailor Statements of Work to these sources
- a possibility is Nat. Inst. of Standards (NIST) - best if get a place like NIST to fund the overall project, rather than get several places funding small pieces; for example, no one will want to fund "WEB maintenance"

Steve reiterated his company's commitment to provide a person and/or funding for future software development.

Bob will serve as collection point for further ideas regarding funding.

More discussion will take place at the Reno meeting.

6. ISO

CGNS is through 1st gate, but we will need more international votes to get through next gate.

Possibly 2 years to get CFD standard formalized.

Everyone: start forwarding potential international contact info to Ray immediately.

STEP:AP - we are working closely with this team.

Major issue: CGNS ADF currently too slow - it was evaluated by Aerospatiale and they rejected adoption because of this issue (a function of the number of ADF nodes). The standard is really separate from the software, but many will not adopt it if the software is slow.

We should immediately add a task to address this issue directly.

7. Extensions

Some discussion on existing "patched" connectivity method - may need to enhance in order to handle different methodologies; also, discussion on hybrid grids and semi-structured grids (layered near bodies).

New proposals are on WEB site - members need to look at and comment.
- Rigid motion, deforming motion, and time accurate are all ready to implement - comment on them SOON!
- Other proposals are not as far along.