HIGH HEAT FLUX TECHNICAL ASSESSMENT

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UCLA

HHFMCID Task Group Meeting
February 23-24, 1984
UCLA
HIGH HEAT FLUX TECHNICAL ASSESSMENT MEETING

UCLA Faculty Center, Sierra Room
February 23-24, 1984

Thursday, February 23

9:00-9:30 Introductory Remarks
9:30-10:00 Status of High Heat Flux Program
10:00-10:30 Status of TPE-II
10:30-11:00 Technical Assessment
11:00-11:45 Operating Conditions
11:45-12:00 General Remarks
12:00-1:00 Lunch
1:00-2:00 System Integration
2:00-3:00 Materials and Processes
3:00-3:45 Heat Transfer
3:45-4:45 Thermomechanical Response
4:45-5:30 Discussion

Friday, February 24

8:30-9:30 Electromagnetic Response
9:30-10:00 Instrumentation and Control
10:00-11:30 Survey of Facilities
11:30-12:00 Discussion of Technical Assessments
12:00-1:00 Lunch
1:00-4:00 Continued Group Discussion and Subgroup Meetings/
Finalize Report
### REPORT STATUS

(AS OF FEBRUARY 22, 1984)

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IDENTIFYING AND CHARACTERIZING
CRITICAL ISSUES AND R&D NEEDS

- An important part of the technical assessment is to identify and characterize the technical issues.

- The list of critical issues must be limited (~10 or less).

- This list will be made visible in the Executive Summary.

ACTION ITEM

- Each subgroup chairman develops for his area a summary of:
  1) Critical/key issues
  2) R&D needs.

- Guidelines:
  - Limit the number of issues to the minimum (~5 for each area; maybe only 1 or 2 for some; in extreme cases, e.g., materials, 6 or 7).
  - State the issue followed by a brief description of the issue, why it is important, and the conditions under which it becomes more severe or becomes less important.
  - Do the same for R&D needs.
  - Consult with your group (via phone or telefax).

- Deadline:
  - Mail to M. Abdou by March 16 (telefax or Federal Express).
## Responsibilities for Summary of Critical Issues and R&D Needs

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### Notes

- **Number of issues and R&D needs is a factor of 3 larger than will be used in the Executive Summary. Abdou, in consultation with groups, will reduce the numbers based on consistent classifications and relative priority among areas.**

- **For Facilities, the issues and R&D needs are as they relate to the facilities not the high heat flux components.**
SCHEDULE

PLEASE KEEP DEADLINES!

ALL MEMBERS:

- Comments and suggestions for modifications on individual chapters to subgroup chairmen by March 16

GROUP CHAIRMEN:

- Summary of critical issues and R&D needs mailed to M. Abdou by March 16

- Final manuscripts (camera-ready) mailed to M. Abdou by April 2

TYPING/ADMINISTRATIVE DETAILS

- Each subgroup chairman is responsible for getting his section typed camera-ready (with high quality, reproducible figures) in his own organization

- A typing format (and sample) is provided. Please ensure that your secretary follows this format.

- Chapters sent to M. Abdou must be camera-ready.

- UCLA will be responsible for printing and distribution of report.