



International Atomic Energy Agency
 WAGRAMER STRASSE 5, A-1400 VIENNA, AUSTRIA

PROPOSAL FOR ICSP PARTICIPATION

1. NAME AND ADDRESS OF PARTICIPATING INSTITUTE:	CONTACT DETAILS (CHIEF PARTICIPANT): Telephone: Fax: E-mail:
2. DEPARTMENT WHERE WORK IS TO BE PERFORMED:	

3. TITLE OF IAEA ICSP PROPOSAL:

HWR Moderator Subcooling Requirements to Demonstrate Backup Heat Sink Capabilities of Moderator during Accidents

4. DESCRIPTION OF PARTICIPATION OBJECTIVES AND ANTICIPATED OUTCOMES:

Compare best-estimate computer code calculations to experimental data
 Improve understanding of thermal and mechanical behavior of pressure tube and calandria tube
 Evaluate the capability of computer codes to adequately predict the thermal & mechanical behavior and failure of fuel channel during accidents, which are represented in experiments.

5. PERSONNEL (if space provided below is insufficient, please attach additional sheets):

A. Chief Participant:

First Name	Family Name	Date of birth	Nationality	Position held	Mr/Ms
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Academic degrees held:

B. Additional Staff:

First Name	Family Name	Date of birth	Nationality	Position held	Mr/Ms
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6. WORK PLAN:

Year 1:

- Preparation of analysis tool (Computer Codes)
- Preparation of input deck
- Double-blind calculation

Year 2:

- Blind calculation
- Open calculation

Year 3:

- Documentation

List of Computer Code(s) to be used:

7. SIGNATURES:

CHIEF PARTICIPANT:

Name:

.....
Signature

.....
Date

APPROVAL BY RESPONSIBLE:

Name:

.....
Signature

.....
Date

PLEASE NOTE: 1) FINANCIAL SUPPORT FROM IAEA IS NOT GUARANTEED, 2) PROPOSAL FORM WILL NOT BE ACCEPTED UNTIL SIGNED COPIES ARE RECEIVED BY THE IAEA.

Submit proposal to responsible IAEA staff **before 31 August 2012**

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