



**UNITED STATES
NUCLEAR REGULATORY COMMISSION
ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
WASHINGTON, DC 20555-0001**

**AGENDA
646th ACRS MEETING
September 7-9, 2017
11545 ROCKVILLE PIKE, ROCKVILLE, MD**

THURSDAY, SEPTEMBER 7, 2017, CONFERENCE ROOM T-2B1

- 1) 8:30 AM – 8:35 AM Opening Remarks by the ACRS Chairman (Open) (DCB/ADV)
- 1.1) Opening Statement
 - 1.2) Items of Current Interest

- 2) 8:35 AM – 11:00 AM Advanced Power Reactor 1400 (APR1400) (Open/Closed)
(RB/CLB)
- 2.1) Remarks by the Subcommittee Chairman
 - 2.2)* Briefings by and discussion with representatives of the NRC staff and Korea Hydro & Nuclear Power regarding selected chapters (7 and 18) of the safety evaluation associated with the APR1400 Design Certification
 - 2.3) Preparation of reports

[NOTE: A portion of this session may be closed in order to discuss and protect information designated as proprietary, pursuant to 5 U.S.C 552b(c)(4)]

***There will be a break at the discretion of the Committee.**

- 3) 11:00 AM – 12:00 PM Preparation for ACRS Meeting with Commission (Open)
(DCB/ADV)
- 3.1) Discussion of topics for the meeting in October
 - 3.2) Preparation of reports

12:00 PM – 1:00 PM

***** LUNCH *****

- 4) 1:00 PM – 3:00 PM Review of AREVA's New Transient Code Suite AURORA-B
(Open/Closed) (JM-L/ZA)
- 4.1) Remarks by the Subcommittee Chairman
 - 4.2) Briefings by and discussion with representatives of the NRC staff and AREVA regarding AURORA-B
 - 4.3) Preparation of reports

[NOTE: A portion of this session may be closed in order to discuss and protect information designated as proprietary, pursuant to 5 U.S.C 552b(c)(4)]

3:00 PM – 3:15 PM

***** BREAK *****

5) 3:15 PM – 6:00 PM

Preparation of ACRS Reports (Open/Closed)

- 5.1) Advanced Power Reactor 1400 (APR1400) (RB/CLB)
- 5.2) Review of AREVA's New Transient Code Suite AURORA-B (JM-L/ZA)

[NOTE: A portion of this session may be closed in order to discuss and protect information designated as proprietary, pursuant to 5 U.S.C 552b(c)(4)]

FRIDAY, SEPTEMBER 8, 2017, CONFERENCE ROOM T-2B1

6) 8:30 AM – 10:00 AM

Future ACRS Activities/Report of the Planning and Procedures Subcommittee and Reconciliation of ACRS Comments and Recommendations (Open/Closed) (DCB/ADV)

- 6.1) Discussion of the recommendations of the Planning and Procedures Subcommittee regarding items proposed for consideration by the Full Committee during future ACRS meetings
- 6.2) Report of the Planning and Procedures Subcommittee on matters related to the conduct of ACRS business, including anticipated workload and member assignments
- 6.3) Discussion of the responses from the NRC Executive Director for Operations to comments and recommendations included in recent ACRS reports and letters
- 6.4) Preparation of reports

[NOTE: A portion of this meeting may be closed pursuant to 5 U.S.C. 552b (c) (2) and (6) to discuss organizational and personnel matters that relate solely to internal personnel rules and practices of the ACRS, and information the release of which would constitute a clearly unwarranted invasion of personal privacy.]

10:00 AM – 10:15 AM

***** BREAK *****

- 7) 10:15 AM – 11:15 AM Assessment of the Quality of Selected NRC Research Projects (Open) (WLK/HPN)
- 7.1) Discussion of the assessment of the quality of the project on Validation of Computational Fluid Dynamics Methods Using Prototypic Light Water Reactor Spent Fuel Assembly Thermal Hydraulic Data
 - 7.2) Preparation of reports

- 8) 11:15 AM – 12:00 PM Preparation of ACRS Reports (Open/Closed)
- 8.1) Continue discussion of the proposed ACRS reports listed under Item 5

[NOTE: A portion of this session may be closed in order to discuss and protect information designated as proprietary, pursuant to 5 U.S.C 552b(c)(4)]

12:00 PM – 1:00 PM

***** LUNCH *****

- 9) 1:00 PM – 6:00 PM Preparation of ACRS Reports/Retreat (Open/Closed)
- 9.1) Continue discussion of the proposed ACRS reports listed under Item 5
 - 9.2) Retreat Topic: Discussion of Working Group on Human-caused External Events

[NOTE: A portion of this session may be closed in order to discuss and protect information designated as proprietary, pursuant to 5 U.S.C 552b(c)(4)]

SATURDAY, SEPTEMBER 9, 2017, CONFERENCE ROOM T-2B1

- 10) 8:30 AM – 11:30 AM ACRS Retreat Topic(s) (Open) (DCB/ADV)
- 10.1) Discussion of Working Group on Human-caused External Events

- 11) 11:30 AM – 12:00 PM Miscellaneous (Open) (DCB/ADV)
- 11.1) Discussion of matters related to the conduct of Committee activities and specific issues that were not completed during previous meetings, as time and availability of information permit

NOTES:

- When appropriate, members of the public and representatives of the nuclear industry may provide their views during the briefings.
- During the meeting, 301-415-7360 should be used in order to contact anyone in the ACRS Office.
- Presentation time should not exceed 50 percent of the total time allocated for a given item. The remaining 50 percent of the time is reserved for discussion.
- Thirty five (35) hard copies and one (1) electronic copy of the presentation materials should be provided to the ACRS in advance of the briefing.
- One (1) electronic copy of each presentation should be emailed to the Designated Federal Official 1 day before the meeting. If an electronic copy cannot be provided within this timeframe, presenters should provide the Designated Federal Official with a CD containing each presentation at least 30 minutes before the meeting.

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OFFICE	ACRS/TSB	SUNSI Review	ACRS/TSB
NAME	QNguyen	QNguyen	MBanks
DATE	8/17/2017	8/17/2017	8/17/2017

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