

**ADVISORY COMMITTEE ON REACTOR SAFEGUARDS  
RELIABILITY & PROBABILISTIC RISK ASSESSMENT SUBCOMMITTEE**

**An Integrated Human Events Analysis System – General Methodology (IDHEAS-G)**

**September 18, 2019**

**Two White Flint North, Room T-2D10, Rockville, MD**

- AGENDA -

Subcommittee Chair: Dennis Bley

Cognizant ACRS Staff/DFO: Christiana Lui ([Christiana.Lui@nrc.gov](mailto:Christiana.Lui@nrc.gov), 301-415-2492)

TOPIC		PRESENTER(S)	TIME
1	Opening Remarks	Dennis Bley, ACRS	8:30 – 8:35 a.m.
2	Introductory Remarks	Sean Peters, RES/DRA	8:35 – 8:40 a.m.
3	HRA Research Program Overview/History	Sean Peters, RES/DRA	8:40 – 9:15 a.m.
4	<p><i>The General Methodology of an Integrated Human Events Analysis System (IDHEAS-G)</i>, DRAFT NUREG-2198 (<a href="#">ADAMS Accession Number ML19235A159</a>):</p> <ul style="list-style-type: none"> <li>• Cognition Model – Cognitive Basis Structure</li> <li>• Cognition Model – Performance-Influencing Factor Structure</li> </ul>	Jing Xing, RES/DRA	9:15 – 10:30 a.m.
5	Break		10:30 – 10:45 a.m.
6	<p>IDHEAS-G:</p> <ul style="list-style-type: none"> <li>• An Integrated Process for Human Reliability Analysis with IDHEAS-G</li> </ul>	Jonathan DeJesus RES/DRA	10:45 a.m. – Noon
7	Lunch		Noon – 1:00 p.m.
8	<p>IDHEAS-G:</p> <ul style="list-style-type: none"> <li>• Time Uncertainty Analysis</li> <li>• Generalization of Human Error Data for Estimation of Human Error Probabilities</li> </ul>	Jonathan DeJesus Jing Xing RES/DRA	1:00 – 2:30 p.m.
9	Break		2:30 – 2:45 p.m.

TOPIC		PRESENTER(S)	TIME
10	IDHEAS-ECA ( <u>E</u> vent & <u>C</u> ondition <u>A</u> ssessment): <ul style="list-style-type: none"> <li>Differences between IDHEAS-G and IDHEAS-ECA</li> <li>IDHEAS-ECA Tool and Examples</li> </ul>	Jing Xing James Chang RES/DRA	2:45 – 4:00 p.m.
11	IDHEAS-ECA Testing and HRA Future Work	Sean Peters, RES/DRA	4:00 – 4:30 p.m.
12	Public Comments		4:30 – 4:45 p.m.
13	Subcommittee Discussion	ACRS Members	4:45 – 5:00 p.m.
14	Adjourn		5:00 p.m.

**Notes:**

- “Federal Register Notice 84 FR 27662 (<https://www.govinfo.gov/content/pkg/FR-2019-06-13/pdf/2019-12425.pdf>) dated June 13, 2019, describes procedures to be followed with respect to meetings conducted by the U.S. Nuclear Regulatory Commission’s (NRC’s) Advisory Committee on Reactor Safeguards (ACRS) pursuant to the Federal Advisory Committee Act (FACA) and NRC implementing regulations found at Title 10 of the Code of Federal Regulations Part 7, “Advisory Committees.” Members of the public who desire to provide written or oral input for ACRS Full Committee and Subcommittee meetings may do so and should contact the Designated Federal Official (DFO – listed above) five days prior to the meeting, as practicable. In addition, there will be time allotted at each meeting for the public to provide oral comment.
- During the meeting, telephone number 301-415-7360 should be used to reach the ACRS office.
- The bridgeline for this subcommittee meeting is 866-822-3032, passcode 8272423#. This line will be placed in the listen-in mode until the agenda proceeds to the designated time for public comment.