



Subcommittee on Consequence Assessment
and Protective Actions (SCAPA)
Consequence Assessment Modeling
Working Group (CAMWG)

Highlights
Meeting of the CAMWG

Wednesday May 6, 2009; 5:00 p.m. Pacific Daylight Time

Participants:

Dennis Armstrong, WSMS
Brian Baumann, Fluor-Hanford
Jayne-Anne Bond, ATL International
John Ciolek, Alpha-TRAC
Wayne Davis, WSMS
Dave Freshwater, NA-41
Cliff Glantz, PNNL
Steve Homann, LLNL NARAC
Chuck Hunter, SRNL
April Jivelekas, WSMS Mid-America
Erik Kabel, SRNL
Carl Mazzola, Shaw Environmental

Mister McDonnell, NS Tec
Bill Possidente, NSTec
Bill Purtymun, LANL
Jeremy Rishel, PNNL
Chuck Rives, Pantex
Walt Schalk, ARL/SORD
Melissa Thornton, WSMS Mid-America
Tom Tuccinardi, ATL International
Steve Vigeant, Shaw Environmental
Michele Wolfgram, WSMS Mid-America
Sara Wynne, LBNL
Ken Young, LLNL

I. Roll Call

Jeremy Rishel conducted a roll call and acknowledged that 24 individuals were present.

II. Discussion

Cliff Glantz and Jeremy Rishel led a discussion that included the following four topics:

1. **HOTSPOT 2.07:** Cliff mentioned that the work associated with resolving the five critical items that HOTSPOT 2.07 needs to fulfill before becoming the DOE Central Registry's 8th toolbox code has been submitted to Subir Sen who is in charge of the Registry. A team that includes Cliff, Carl Mazzola, and Wayne Davis is presently evaluating these responses. A HOTSPOT 2.07 workshop and computer practicum will be presented by Carl Mazzola and Steve Homann on Friday, May 7, 2009, and 25 professionals have signed up.
2. **SQA Guidance:** Cliff is finalizing the draft graded approach SQA guidance for code documentation that address emergency preparedness hazards assessments (EPHAs) and consequence assessment for review by Carl Mazzola and Wayne Davis. In July 2009, a larger SCAPA review will be requested. This guidance shows the graded amount of SQA required for these codes relative to what is required for nuclear safety software per DOE O 414.1C.
3. **SCAPA Toolbox:** The SCAPA toolbox will be based on implementation of the SQA guidance and will show the pedigree of SQA for all codes used in EPHAs and consequence assessment at all DOE and NNSA sites. A color-coded system will be used to determine the present level of SQA, and this will be a living document that will be periodically updated. Parameters will include model type, source(s), sophistication, speed, user control, site portability, and cost. It will also include a detailed written description.



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4. **Candidate SCAPA Toolbox Codes:** The plan is to populate the SCAPA toolbox by September 30, 2009 by performing an initial gap analysis to honestly assess the SCAPA toolbox parameters. This database will be archived and periodically updated. However, the review function will need to be developed. The communities served by this are model developers and owners and model users. Table 1 presents the codes already in the Central Registry toolbox, including HOTSPOT, and the codes that will be in the SCAPA toolbox.

III. Next SCAPA CAMWG Meeting

Jeremy Rishel indicated that the next SCAPA CAMWG teleconference has not yet been scheduled. The next SCAPA CAMWG meeting is scheduled for **Wednesday, May 5, 2010** during the next EMI-SIG meeting in an east coast city.

IV. Adjournment

The meeting was adjourned at **6:00 p.m. PDT**. Jeremy thanked everyone for their time and their contributions.

Central Registry Toolbox (8)	SCAPA Toolbox (17)
CFAST	APGEMS
MACCS	CAPARS
EPICODE	ARCON96
ALOHA	RASCAL
GENII	NARAC
MELCOR	RSAC7
IMBA	HYSPLIT
HOTSPOT (future)	RAMS/LPDM
	PUFF-PLUME
	AREAEVAC
	HPAC5
	CHARM
	MDIFF
	CAP88PC
	DUSTAN
	MIDAS
	ALOHA 5.4.1

Table 1: Central Registry toolbox codes and candidate SCAPA toolbox codes.