

STATUS OF 10 OPEN SCAPA ACTION ITEMS

Nov 8, 2007

AI	Description	Discussion	Resources	Status
04-23 and 06-15	Revisions to Existing HCNs using Revised CMM HCN Procedure HCN Development for Revision 20-22 TEELs	HCNs for PACs Revisions 20-23 need preparation using new acute HCNs. After changes to CMM HCN development procedure are implemented, current 2,234 HCN-developed chemicals in PACs Rev 19 that are affected by new acute HCNs will be prioritized and reviewed in database references to determine if chronic HCN was used as surrogate for an acute effect.	Doug Craig Rocky Petrocchi Po-Yung Lu Richard Thomas Vern McDougall Cliff Glantz	HCN effort needs additional resources to work off backlog of over 900 chemicals. A succession plan has been drafted for the PAC-TEEL and CMM HCN programs to ensure continuity.
05-03	SQA Plan for TEEL and CMM Software	At May 2005 SCAPA Program Meeting, NA-41 directed CEMG/CEWG to begin developing an SQA Plan for the TEEL and CMM software.	Doug Craig Rocky Petrocchi Vern McDougall Cliff Glantz	Report concluded code executing properly. Software custodian, an update procedure, other SQA documentation, and Configuration Management Plan are under development.
05-07	Uniform Dose Conversion Factors (DCFs)	At June 2005 SCAPA teleconference, the ICRP-30, ICRP-68/72, and ICRP-90 DCFs applicability to EPHAs & CA models was discussed and an effort to determine consistency was undertaken.	Cliff Glantz Wayne Davis	EH-52 concurrence received and EPA using ICRP 68/72. NRC documentation on its selection of ICRP 68/72 dosimetry for dose calculations to be provided. White paper by November 2007.
06-01	Central Registry SQA Toolbox and SCAPA Toolbox Implementation	At November 2005 SCAPA Program Meeting, NA-41 directed CAMWG to have DOE/NNSA sites do a SQA self-assessment and develop list of candidate models to be submitted to Central Registry for inclusion in toolbox, and contact Registry to discuss its plans for implementing DOE O 414.1D and DOE G 414.1-1. At May 2007 CAMWG, Cliff Glantz indicated that a zero draft of the SCAPA SQA Plan was available for review.	Cliff Glantz Carl Mazzola Larry Campbell Wayne Davis John Nasstrom Reed Hodgkin	SCAPA Toolbox: SCAPA Toolbox will require a graded level of SQA. NARAC, ARCON96, 2DPUF, APGEMS, CAP88PC, and RASCAL are SCAPA Toolbox candidates. NA-41 emphasized that this effort should be prioritized. Reed Hodgkin developing SQA requirements for Plan. A draft was expected by September 30. Central Registry: HOTSPOT gap analysis issued April, 2007. HOTSPOT to close 5 critical recommendations to be in Central Registry toolbox by January 2008. A later version of MACCS2 may soon be submitted to the Registry to close the gaps in the gap analysis. CAPARS may be considered for Central Registry toolbox.
06-06	Transport and Dispersion of Biological Agents/Toxins for BioEMG	In March 2006 e-mail, NA-41 directed SCAPA to address the following issue: "The transport and dispersion of biological agents/toxins released from DOE/NNSA biosafety facilities was left an open subject in the BioEMG. What models are available and appropriate for predictions, especially for lab size source terms, and NOT production quantities? What are the limits to the use of Gaussian models? What other modeling tools are available or being developed? Because a level of severity will likely not be available for defining a PAC, how will modeling results best be used?"	Cliff Glantz Dina Metz Frank Roberto Carl Mazzola Jim Powers Rocky Petrocchi	Issue discussed at BWG meeting at EMI SIG. NA-41 has stated the importance of this task to fill a gap in the Biosafety EMG. Indoor dispersion models (i.e., CONTAM, COMIS, IAQX) are being evaluated and a literature search has been initiated. Cliff Glantz provided a list of individuals who are familiar with the PNNL CONTAM code. BWG will run CONTAM to determine its usefulness. INL has made preliminary runs with this code.

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06-12	Source Term Compendium	At a May 2006 STWG meeting, there was discussion that much source term information is available in the literature and various sites were doing source term work, but none was shared or compiled.	Cliff Glantz Carl Mazzola Reed Hodgkin Fred Harper	NA-41 does not have sufficient resources for this task and partnering with other agencies will be necessary. A proposal has been developed and is under NA-41 consideration.
07-02	PACs Revision 24	PACs Revision 24 effort began in September 2007.	Doug Craig Tom Tuccinardi	Work initiated on PACs Revision 24. Focus discussed at 9/07 TAG Meeting. SNL submitted small list of chemicals.
07-06	RAMS-LPDM Documentation	At May 2007 CAMWG Meeting, Chuck Hunter to share information that SRNL has on its RAMS-LPDM model and its verification and validation with SRS field studies.	Chuck Hunter Cliff Glantz Carl Mazzola	Chuck Hunter will present this at the 10 th EP & R Topical Meeting.
07-07	NARAC Biowarfare Modeling	At May 2007 BWG Meeting, John Nasstrom to share documentation that has been prepared regarding NARAC biowarfare modules with working group.	John Nasstrom Frank Roberto	John is developing the information.
07-10	EPA PAGs	At May 2007 SCAPA Meeting EPA presented the progress on the EPA-400 PAG revision. SCAPA will interface until its targeted December 2007 publication.	G. Brozowski Carl Mazzola Wayne Davis Gus Vazquez	Final EPA PAGs were to be posted in the Federal Register on October 31, 2007.

List of Acronyms

AEGL	Acute Exposure Guideline Level
BWG	Biosafety Working Group
CA	Consequence Assessment
CAMWG	Consequence Assessment Modeling Working Group
CEWG	Chemical Exposures Working Group
CMM	Chemical Mixture Methodology
CMWG	Chemical Mixtures Working Group
DCF	Dose Conversion Factor
DOE	Department of Energy
EMG	Emergency Management Guide
EMI	Emergency Management Issues
EP & R	Emergency Preparedness & Response
HCN	Health Code Number
ICRP	International Council on Radiation Protection
NA-41	DOE Office of Emergency Management
NARAC	National Atmospheric Release Advisory Center
NNSA	National Nuclear Security Administration
PAC	Protective Action Criterion
PAG	Protective Action Guide
SCAPA	Subcommittee on Consequence Assessment and Protective Actions
SIG	Special Interest Group
SNL	Sandia National Laboratory
SQA	Software Quality Assurance
STWG	Source Term Working Group