

STATUS OF 7 OPEN SCAPA ACTION ITEMS

August 30, 2008

AI	WG/AI Description	Discussion	Resources	Status
05-03	<p>CEWG/CMWG</p> <p>SQA Plan for PAC-TEEL/CMM Software</p>	<p>May 2005 SCAPA Program Meeting: NA-41 directed CEMG/CEWG to begin developing an SQA Plan for the TEEL and CMM software.</p>	<p>Craig Petrocchi McDougall Glantz Tuccinardi Lu Yu</p>	<p>TEEL development procedure, QA procedures, configuration management plan, TEEL methodology cookbook with step-by-step procedures, CMM Workbook and User's Guide update, and performance of additional Verification & Validation (V & V) work on CMM, all under development.</p> <p>"TEELs Methods and Practice" handbook Rev Com comments addressed. 30-day period to appeal the responses.</p> <p>Summer intern through PNNL has provided strong assistance to the HCN development effort.</p>
06-01	<p>CAMWG</p> <p>Central Registry SQA Toolbox/SCAPA Toolbox Implementation</p>	<p>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.</p>	<p>Glantz Mazzola Davis Nasstrom Hodgin</p>	<p>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. Alpha-TRAC developing SQA requirements for Plan</p> <p>Central Registry: HOTSPOT gap analysis issued April, 2007. HOTSPOT to close 5 critical recommendations to be in Central Registry toolbox by September 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.</p>

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06-06	<p>BWG</p> <p>Transport and Dispersion of Biological Agents/Toxins for BioEMG</p>	<p>March 2006 NA-41 Memorandum: NNSA presented 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?" NA-41 stated importance of this task to fill a gap in the Biosafety EMG.</p>	<p>Glantz Matz Roberto Mazzola Powers</p>	<p>Indoor dispersion models (i.e., CONTAM, COMIS, IAQX) being evaluated and a literature search initiated.</p> <p>BWG and INL have executed CONTAM which was developed 20 years ago at NIST for fire safety division, and is being used in the biodefense area, to determine its usefulness.</p> <p>LBNL is using components of CONTAM for monitor placement.</p> <p>BWG is discussing the incorporation of CONTAM into NARAC.</p>
06-15	<p>CMWG</p> <p>HCN Development</p>	<p>April 2006 SCAPA Teleconference: 700+ 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 Revision 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.</p>	<p>Bond Craig Petrocchi Lu McDougall Tuccinardi Yu</p>	<p>HCN backlog has been mostly worked off with the assistance of the Jane-Anne Bond, Donna Trot, and Xiao Ying Yu.</p>
07-14	<p>CMWG</p> <p>HCN Technical Paper</p>	<p>November 2007 SCAPA Program Meeting: Need to develop HCN technical paper.</p>	<p>Craig Yu Petrocchi</p>	<p>Paper under development with a target of December 2008.</p>
08-01	<p>BWG</p> <p>DOE O 151.1C White Paper</p>	<p>May 2008 BWG Meeting: NA-41 representative suggested development of White Paper by BWG on how to implement DOE O 151.1C with a focus NA-41's objectives (e.g., infected host scenario) rather than addressing unrealistic scenarios.</p>	<p>Roberto</p>	<p>White Paper under development.</p>
08-02	<p>BWG</p> <p>PAC development of select bioagents</p>	<p>May 2008 BWG Meeting: Since there are a limited number of biotoxins (i.e., 24) and some acute health effect information exists (i.e., ID₅₀), BWG will develop a list of these for consideration in the Revision 25 PAC effort.</p>	<p>Roberto</p>	<p>List is under development.</p>

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List of Acronyms

2DPUF	Atmospheric transport and dispersion code
AEGL	Acute Exposure Guideline Level
AI	Action Item
AIHA	American Industrial Hygiene Association
APGEMS	Atmospheric transport and dispersion code
ARCON96	Atmospheric transport and dispersion code
BWG	Biosafety Working Group
CAMWG	Consequence Assessment Modeling Working Group
CAP88PC	Atmospheric transport and dispersion code
CAPARS	Atmospheric transport and dispersion code
CEWG	Chemical Exposures Working Group
CMM	Chemical Mixture Methodology
CMWG	Chemical Mixtures Working Group
CONTAM	Indoor air pollution code
DOE	Department of Energy
EMG	Emergency Management Guide
EMI	Emergency Management Issues
ERPG	Emergency Response Planning Guideline
HCN	Health Code Number
HOTSPOT	Atmospheric transport and dispersion code
ID	Infectious Dose
INL	Idaho National Laboratory
MACCS2	Atmospheric transport and dispersion code
NA-41	DOE Office of Emergency Management
NARAC	National Atmospheric Release Advisory Center
NIST	National Institute for Standards and Technology
NNSA	National Nuclear Security Administration
ORNL	Oak Ridge national Laboratory
PAC	Protective Action Criterion
RASCAL	Atmospheric transport and dispersion code
SCAPA	Subcommittee on Consequence Assessment and Protective Actions
SIG	Special Interest Group
SQA	Software Quality Assurance
TAG	TEELs Advisory Group
TEEL	Temporary Emergency Exposure Level
V & V	Verification & Validation