



**DEPARTMENT OF THE AIR FORCE  
AIR FORCE CIVIL ENGINEER CENTER  
JOINT BASE SAN ANTONIO LACKLAND TEXAS**

MEMORANDUM FOR SEE DISTRIBUTION

18 JUL 2014

FROM: AFCEC/CL

SUBJECT: Accreditation of the Remedial Action Cost Engineering and Requirements (RACER) System in Accordance with DoD Instruction 5000.61, DoD Modeling and Simulation Verification, Validation and Accreditation (VV&A)

In accordance with requirements outlined in the referenced DoD Instruction, AFCEC/CZR has prepared updated documentation maintaining the accreditation of RACER, first issued in 2001.

- a. This accreditation addresses RACER and its underlying cost models. It does not address user qualifications and activities, except to say an individual who has been trained on the use of the system and given good information can use the software to fulfill the above user objective.
- b. The VV&A process is ongoing; accreditation applies to the processes in place to develop a model, not to a specific version or release of the model.
- c. The accreditation was tested on the RACER 2008, Version 10.0, and remains in effect for subsequent system releases that are certified by the RACER Government Technical Review Group, as complying with the established system validation and verification process.
- d. Further information regarding the VV&A process, the system purpose and intended uses, and the general accreditation recommendation is included in the "RACER Accreditation Report" prepared by AFCEC. This report is available through the AFCEC website at <http://www.afcec.af.mil> and will be included with each RACER release.

AFCEC/CZR served as the Accreditation Agent. AFCEC and HQ U.S. Army Corps of Engineers (USACE) Hazardous, Toxic & Radioactive Waste (HTRW) Center of Expertise (CX), Omaha served jointly as the V&V Mangers. The Army RACER POC (U.S. Army Environmental Command (USAEC)) served as the Validation Agent. USACE HTRW CX, Omaha is the Verification Agent. AFCEC/CL is the Accreditation Authority.

I have accepted the recommendation presented by the VV&A Team, and concur that RACER is fully accredited for the following use: "To provide an automated consistent, and repeatable method to estimate and document the program cost for the environmental cleanup of contaminated sites and to provide a reasonable cost estimate for program funding purposes

consistent with the information available at the time of the estimate preparation.”

Accreditation shall remain valid for all future versions of RACER, provided:

- a. DoD policy on model VV&A does not substantively change,
- b. Verification activities are performed for each version, and adequate supporting documentation is maintained, and
- c. Validation activities are performed as required for changes to model algorithms, and adequate supporting documentation is maintained.

Technical questions may be directed to the RACER POC, Mr. Layi Oyelowo, AFCEC/CZRX, DSN 969-8616, (210) 395-8616, layi.oyelowo@us.af.mil.



JOE SCIABICA, SES  
Director

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