

Risk Assessment Methodology for Dams (RAM-DSM)

The Risk Assessment Methodology for Dams (RAM-DSM) is the prototype of security risk assessment methodologies upon which other infrastructure security risk assessment methodologies at Sandia are based (in varying degrees). RAM-DSM, developed over five years for the Interagency Forum for Infrastructure Protection, a consortium of federal agencies including the Army Corps of Engineers, the Bureau of Reclamation, Tennessee Valley Authority, the FBI, Bonneville Power Administration, was completed in 2001, just before the horrible attack of 9/11. The Army Corps of Engineers and the Bureau of Reclamation are currently using this process to assess their dams. (More than 300 Corps dams and about 50 USBR dams have been surveyed using RAM-DSM to date!) The Bonneville Power Administration, which was active in the development of RAM-DSM, asked us to adapt the methodology for high-voltage electric transmission (RAM-TSM). That adaptation was completed in February of 2002. In addition, security risk assessment methodologies have been developed for water supply facilities and utilities, chemical plants, and communities.

RAM-DSM and RAM-TSM are now available on a low-cost (\$500) license. Interest has been strong, with several hundred inquiries and license applications from large and small private and public entities in the years since RAM-TSM was released. Training on the use of the methodology is strongly recommended, but not required. Sandia National Laboratories is prepared to support your successful applications of the RAMs at whatever level you feel is required.