

Table 17.2: Risk Assessment Reports and Documentation

ITEMS	REQUIRMENTS
2. ANALYSIS OF METHODS USED	<p><u>4. QUANTITATIVE METHODS</u></p> <p><u>4.a. RESULTS OF FREQUENCY OR PROBABILITY ANALYSIS</u></p> <p>i. The documentation should include the results of the frequency and/or probability analysis. For each scenario or cluster of scenarios that are identified, the associated probabilities or frequencies should be documented. If probabilities are used, the time frame associated with the probability should be identified.</p> <p><u>4.b. RESULTS OF CONSEQUENCE ANALYSIS</u></p> <p>i. The results of the consequence analysis for each scenario or scenario cluster should be documented. If scenario clusters are used, the documentation should address how the consequence was determined to be representative for the scenario cluster.</p> <p><u>4.c. CALCULATED RISK</u></p> <p>i. The calculated risk should be documented. This calculated risk should be the summation of the probabilities/frequencies and consequences for each scenario or scenario cluster.</p> <p>ii. The document should also address why the risk analyst believes that the scenarios used are representative of the spectrum of scenarios that could occur.</p> <p><u>4.d. UNCERTAINTY ANALYSIS</u></p> <p>i. Possible sources of uncertainty in the predictions of probabilities, frequencies, and consequences, and how they were addressed, should be identified in the documentation .</p> <p><u>4.e. SOFTWARE AND MODEL EVALUATION</u></p> <p>i. The documentation should address why the models used are appropriate for the situation modeled.</p> <p><u>4.f. LIMITATIONS</u></p> <p>i. Any limitations of the analysis should be addressed. Limitations might arise from the models used in the analysis or from the scope of the analysis.</p> <p><u>4.g. CONCLUSIONS</u></p> <p>i. The results of the FRA, including a comparison to the pass/fail threshold if applicable, should be summarized. A description should be provided of the degree to which the purpose and objectives have been met along with information on the appropriateness and completeness of the results for the intended purpose.</p>