

## Safety Analysis Software Problem Reporting Form

<b>Software Name:</b>	POSTMAX v. 2.0
<b>Person Reporting Problem:</b>	James J Kuropatwinski
<b>Problem #:</b>	POSTMAX_problem_1
<b><u>Definition of Potential Problem:</u></b>  <ol style="list-style-type: none"><li>1. Add clarifying language in the SQM Plan as to the adequacy of "tutelage" for formal training,</li><li>2. Add clarifying language in the SQM Plan as to the significance of the various signatures on the SQM Plan and Report,</li><li>3. Add clarifying language in the SQM Plan as to how to perform a risk assessment on any changes to the POSTMAX source code,</li><li>4. Ascertain the benefit of obtaining an LAUR for SQA documents which will have a wide (i.e., public) reading,</li><li>5. Ascertain what additional requirements are necessary with respect to document control.</li></ol>	
<b><u>Evaluation of Potential Problem:</u></b>  <p>On April 13, 2008, the Safety Basis Division's SQA SME presented the Division's paradigm for ensuring SQA for POSTMAX to the Los Alamos Site Office of the DOE/NNSA QA Team. With POSTMAX being a custom-developed software application maintained by the Safety Basis Division, additional rigor and clarity of the accompanying documentation was seen a necessary. The issues stated above were raised as requiring Laboratory disposition. These SQA documentation issues can be easily incorporated.</p>	
<b><u>Risk Assessment:</u></b>  <p>There are no proposed changes to the POSTMAX source code or current executable. The recommended actions aim at the SQA documentation such that the actions that the Division's personnel are performing are fully communicated to the various audiences that may be reviewing the documentation.</p>	

**Recommended Corrective Actions:**

The Division's SQA-SME will revise revision 0 of the SQM Plan and SQM Report to address the 5 issues stated above. The current software owner will review the proposed changes, and the revised documentation issued as revision 1.

<b>Problem Closure: Software Owner</b>	 _____ Name Date Jack Santor 6/8/9
<b>SQM SME</b>	 _____ Name Date 6/8/9