**Project Title: The Modified Snowmelt Runoff Model for Forecasting Water Availability in Chile (M-SRM)**

**Software Classification and Safety Criticality**

This project has been classified as Class E software per the document titled "SACR-SnowRunModel-Class E-09-18-14.pdf".

The software activity is in full compliance with LPR 7150.2 and LMS-CP-7150.6 for Class E software.

**Schedule & Resources**

The software development effort began in September 2013 and delivery of the final version is planned for October 2014. The software development required 0.50 total Work Year Equivalent (WYE) over the period of developing the initial release. Future development and maintenance is expected to remain below 0.10 WYE per fiscal year in resource cost.

**Compliance Matrix**

The software compliance matrix is attached as an appendix to this document.

**Testing**

The Modified Snowmelt Runoff Model for Forecasting Water Availability in Chile (M-SRM) was tested via direct statistical comparisons between simulated and forecasted stream flow with coincident observations collected by flow meters between the period of 2003 and 2011.

**Data Management**

**Version Control & Backups:** Version control for this software will be done via incrementing version numbers in the filenames for each significant change made to the code base. The code will be archived and updated by the DEVELOP National program.

**Software Release:** The initial software release will be delivered in person with an accompanying workshop with the Centro de Información de Recursos Naturales (CIREN) in Santiago, Chile. Subsequent releases and updates will be transferred via upload to an FTP server managed by CIREN.