Project Plan – Draft #2

August 3, 2006

Processing Ratings Curves from the USGS

1. Team Lead - Dave Reed - LMRFC
Team Members -
ABRFC – Jeff McMurphy, Janet McCormick, James Paul, and Lee Crowley
CBRFC – Brenda Alcorn
CNRFC – Rob Hartman
LMRFC – Ethan Jolly and Amanda Roberts
MARFC – Joe Ostrowski and Dave Zanzalari
MBRFC – Gene Derner
NCRFC – Mike Deweese and Dan Pokorny
NERFC – Rob Shedd
NWRFC – Don Laurine
OHRFC – Craig Hunter
SERFC – Mark Fuchs
WGRFC – Pat Sneeringer and Bob Corby

2. Introduction – In 2004, the USGS began placing all of their rating curves on a single website that was accessible by the RFCs. Some RFCs have setup simple procedures to access this information and provide all rating changes to their WFOs. RFCs have also developed graphical procedures to update their ratings within NWSRFS. This team will review all these procedures and establish a single set of procedures to obtain ratings from the USGS, graphically edit the existing rating curve, and transfer the updated rating t the WFO. The eventual goal is to incorporate these capabilities into the AWIPS baseline.

3. Significant Activity Descriptions (including responsibilities)

Task	Responsibility	Cost ($)				Completion Date – Planned and Actual
		Contractor	FTE**	Equip-Ment	Other (e.g., travel, printing, supplies)	
1.Review existing procedures used by RFCs to manage rating curves	LMRFC					Completed June 2005
2. Establish functional requirements for the processing and transfer of ratings	LMRFC and team					Completed August 2005
3. Assign programming tasks to	Team					Completed

individuals						August 2005
4. Complete alpha version of procedures to retrieve ratings	Pokorny (NCRFC)					Completed April 2006
5. Develop first draft of user documentation and system documentation	Programmers					May 2006
6. Alpha test at field sites and provide feedback	LMRFC and others					May 2006
7. Develop Graphical User Interface to compare ratings	Pokorny					August 2006
8. Test GUI at field office	LMRFC and others					September 2006
9. Develop GUI documentation	Pokorny					August 2006
10. Incorporate feedback into coding changes and documentation of GUI	Pokorny					September 2006
11. Develop code and user documentation to transfer ratings from GUI to NWSRFS	Alcorn					June 2006
12. Test transfer procedures	LMRFC and others					July 2006
13. Incorporate feedback into transfer process	Alcorn					August 2006
14. Develop and document utilities to review logs, etc	Roberts and Jolly (LMRFC)					July 2006
15. Test utilities	TBD					August 2006
16. Incorporate feedback into utilities	Roberts and Jolly					September 2006
17. Add rating changes for AWIPS into HOSIP process	Reed					August 2005
18. Modify WHFS to process ratings in a manner similar to NWSRFS	OHD					
19. Add all programs and documentation to the AWIPS LAD	Programmers					October 2006
20. Inform Regions of completed project with recommendations on policy for use	Reed					November 2006

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Sub-Total Costs						
Total Cost						

4. Deliverables - Specific deliverables from this team include the following:

a) A standard procedure for RFCs to obtain ratings from the USGS
b) A graphical user interface allowing a forecaster to display the USGS rating and NWSRFS rating and make changes with the mouse
c) A standardized procedure to transfer ratings from the RFC to the WFO
d) Documentation on all programs and procedures
e) Implementation of developed procedures at RFCs and WFOs

5. Project Life - This project will provide the above deliverables by the end of Calendar 2006.