



U.S. Department  
of Transportation

**Federal Highway  
Administration**

# Memorandum

6300 Georgetown Pike  
McLean, Virginia 22101

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Subject: **ACTION:** LTPP Directive P-36  
Upgrade of PROQUAL Software to PROQUAL2004 Version 4.1 Release 3 Build 1

Date: April 21, 2004

From: Larry Wiser *Larry J. Wiser*  
Long Term Pavement Performance Team

Reply to  
Attn of: HRDI-13

To: Dr. Frank Meyer, PM - LTPP North Atlantic Regional Contract  
Dr. Frank Meyer, PM - LTPP North Central Regional Contract  
Mr. Mark Gardner, PM - LTPP Southern Regional Contract  
Mr. Kevin Senn, PM - LTPP Western Regional Contract

Attached is the Long Term Pavement Performance (LTPP) Program Directive P-36: Upgrade of PROQUAL Software to PROQUAL2004 Version Release 3 Build 1. Please ensure that all personnel involved are aware of this new directive.

Should you have any questions or would like to discuss this directive, please do not hesitate to contact me at 202-493-3079.

Attachment

# LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



*For the Technical Direction of the LTPP Program*



Program Area:	Monitoring	Directive Number:	P-36
Date:	April 21, 2004	Supersedes:	P-31
Subject:	<b>Upgrade of PROQUAL Software to PROQUAL2004 Version 4.1 Release 3 Build 1</b>		

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Version 4.1 Release 3 Build 1 of PROQUAL2004 with documentation was made available earlier for download and installation via the LTPP North Atlantic Regional Office (NARO) FTP site. The documentation is installed with ProQual2004 in a support sub-directory and is available in WORD and/or PDF formats. The April 2004 Documentation is made up of 3 items: ProQual2004 Overview Report # FHWA-TS-04-00-01; ProQual2004 User Guide # FHWA-TS-04-00-02; and ProQual2004 Utilities Manual # FHWA-TS-04-00-03.

The software possesses new features and upgrades. Key elements include:

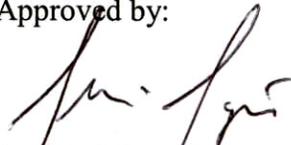
- User interface refinements
- Bug fixes
- Display speed enhancements
- Charting improvements
- Addition of IRI history chart
- Enhanced copy utility
- Creation of cross-slope upload files (including previously collected and processed DOS data files)
- Tools (e.g. TeeChart) imbedded in the software were upgraded to the latest version

Effective immediately, the software shall be installed and used on all computers collecting or processing LTPP Profile data. Installation instructions are provided in the documentation.

Questions concerning this directive should be addressed to the FHWA LTPP staff member responsible for profiler operations, with a copy to the LTPP Technical Support Services Contractor (TSSC). If there are problems with the implementation and/or usage of this software, please submit a Profiler Problem Report (PROFPR) form in accordance with the guidelines contained in the latest version of the LTPP Manual for Profile Measurements.

Prepared by: NARO, TSSC

Approved by:



Aramis López, Jr.  
Team Leader, LTPP Operations