



U.S. Department
of Transportation

**Federal Highway
Administration**

Memorandum

6300 Georgetown Pike
McLean, Virginia 22101

Subject: **ACTION**: LTPP Directive I-97
Upgrade of IMS to VR 2002.07

Date: October 15, 2002

From: Eric Weaver
Long Term Pavement Performance Team

Reply to
Attn of: HRDI-13

To: Dr. Frank Meyer, PM - LTPP North Atlantic Regional Contract
Mr. Tom Wilson, PM - LTPP North Central Regional Contract
Mr. Mark Gardner, PM - LTPP Southern Regional Contract
Dr. Sirous Alavi, PM - LTPP Western Regional Contract
Dr. Gonzalo Rada, PM - LTPP Technical Support Services Contract

Attached is the Long Term Pavement Performance (LTPP) Program IMS Directive I-97 for the upgrade of the IMS to VR 2002.07. Please make sure that all office personnel involved in the LTPP IMS are aware of this new directive.

If you have any questions concerning this transmittal, please do not hesitate to call me at 202-493-3153.

Attachment

FHWA:HRDI-13:EWeaver:mad:493-3153:10/15/02

File: c:/mdeeney/directives/ims/I-97dir.doc

cc:

Directive Binder

LTPP Team

Official file

Chron

LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



For the Technical Direction of the LTPP Program



Program Area: IMS

Directive Number: I-97

Date: October 15, 2002

Subject: Upgrade of IMS to Version 2002.07

This directive implements the upgrade of the IMS from version 2002.04 to 2002.07.

The installation instructions, associated software change notice, and list of current workstation software are included as attachments to this document for reference. The upgrade of the database software to version 2002.07 shall be completed by July 24, 2002.

The software change notice lists all of the changes made to the IMS since the last upgrade in April of 2002. The majority of the changes are related to the additional SPS9 tables that are being added to the IMS. Table creation scripts, entry forms, and QC programs are included. Several miscellaneous SPRs were also resolved during this period are included in this software upgrade.

Prepared by: TSSC

Approved by:

Aramis Lopez, Jr.
LTPP Team Leader

Attachment 1

Instructions to Apply VR 2002.07 Release

1. Shutdown the Data Extraction Service.
2. Shutdown ORACLE in normal mode and backup Server.
3. Bring ORACLE up.
4. Create the subdirectory RELEASES\VR2002_07 (the directory RELEASES should already exist).
5. Copy and unzip the VR2002_07.ZIP file to the RELEASES\VR2002_07 subdirectory created in step 4 (password: vr2002_07).
6. Unzip the SPS9.zip file (extract into this subdirectory) before continuing.
7. From a DOS prompt in the RELEASES\VR2002_07 directory, type VR2002_07 dbusername/dbapassword@service_name, to begin the software update. This will run the VR2002_07.SQL update script. The batch file will also export the two existing SPS9 tables.
8. The VR2002_07 procedure makes some table changes. Verify VR2002_07.SQL completed successfully by reviewing all *.lis files. Ignore unique constraint errors on LTPPDD inserts. In addition, review the resultant export log files to verify successful completion.
9. Once all *.lis files have been verified, run SPS9_cleanup from a DOS prompt with the following command: SQLPLUS dbusername/dbapassword@service_name SPS9_CLEANUP. Review SPS9_cleanup.lis to verify that old tables were dropped.
10. Copy the LTPP.ZIP file into the LTPP subdirectory. Right-click on the filename and choose "Extract to Here" to unzip the file into the LTPP subdirectory. Answer "Yes to all" to overwrite existing files. Delete the LTPP.ZIP file.

Attachment 2

LTPP IMS SOFTWARE CHANGE NOTICE NO. 78

Version 2002.07

Superseding 2002.04

Effective Date: July 19, 2002

1. CODES: Additional LANE_SPEC codes inserted and other typos corrected; BUFFER_SHAPE code added; new lab code added; DIRECTION_OF_TRAVEL code corrected. (SPRs P-3140, 3-721, P-3116, 2-55)
2. Data Extraction: Fields widened to accept all possible data combinations. (SPR S-3076)
3. FWD: Configuration Number Sequence defined; LOAD_CELL_SERIAL_NO corrected in load program; level E QC modified to reduce execution time; load program revised to load parent records first; corrected non-decreasing deflection check between peak sensors 1 and 2. (SPRs 1-103, 1-104, 2-50, 4-3065, S-3111)
4. P46: Level E QC corrected to run correct INITIAL_AREA check and to print appropriate message. (SPRs 2-52, 2-53)
5. RIMS: SHRPRIMS form revised to update version number; script to grant privileges to the pre-defined roles updated. (SPR 2-49)
6. SMP: Level C and D QC corrected to QC all tables; TDR_PROBE_LENGTH data corrected as values truncated when exported to Access; date in MAN_4POINT table for section 893015 corrected; miscellaneous changes to level E QC made; CP tables split and sent to regions to QC. (SPRs 3-726, P-3100, P-3107, P-3117, P-3118, P-3128, S-3119)
7. SPS9: Incorrect version of QC program sent with release 2002.04. New version sent per this SPR; new tables, forms, codes, and QC to support SPS9 data completed. (SPR 4-3131, P-3009)
8. TRF: Sheet 2, Sheet 10, and Sheet 16 forms revised and QC modified to support changes; additional changes to new traffic tables/forms as indicated by testing. (SPRs 1-89, 1-102, 2-54, P-3069)
9. TST: Level D QC revised so errors not duplicated; level E routines modified per new specs. (SPRs 3-724, 3-725)