



U.S. Department
of Transportation

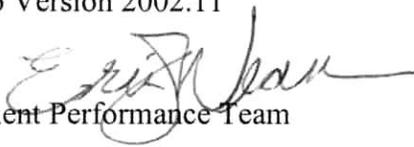
**Federal Highway
Administration**

Memorandum

6300 Georgetown Pike
McLean, Virginia 22101

Subject: **ACTION:** LTPP Directive I-104
Upgrade of IMS to Version 2002.11

Date: March 5, 2003

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

Attached is the Long Term Pavement Performance (LTPP) Program IMS Directive I-104: Upgrade of the IMS to version 2002.11. The directive authorizes implementation of the upgrade of the IMS version 2002.09 to 2002.11. Included attachments contain instructions and associated software change notice to this document for reference. Please ensure that all personnel involved with the IMS 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 202-493-3153.

Attachments (2)

LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



For the Technical Direction of the LTPP Program



Program Area: IMS

Directive Number: I-104

Date: November 5, 2002

Subject: Upgrade of IMS to Version 2002.11

This directive authorizes implementation of the upgrade of the IMS from version 2002.09 to 2002.11.

Update instructions and associated software change notice are included as attachments to this document for reference. The upgrade of the database software to version 2002.11 shall be completed by November 12, 2002.

The software change notice lists all of the changes made to the IMS since the last upgrade in September of 2002. Three new traffic tables have been added to the IMS and many miscellaneous SPRs have been completed. Traffic table creation scripts and all modified entry forms and QC programs have been included.

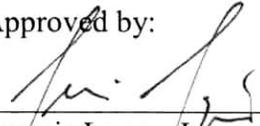
Version 2002.11 of the IMS software will be delivered via e-mail in a password protected zip file (PASSWORD_20021105.ZIP). The files included in the release are the following:

- VR2002_11.ZIP – A zip file with the batch file (VR2002_11.BAT) and scripts needed to make miscellaneous updates to the database, to add new traffic tables to the data extraction application, and to run other related administrative commands. In addition, a script is included to add data dictionary entries for the new traffic tables.
- LTPP.ZIP - A zip file with all files to go in the LTPP area (and subdirectories) on the server.
- OracleVersions.ZIP – A zip file with listings of all Oracle files and versions loaded on the client and server computers at the central site. These are included for reference only.

All changes are documented in the Software Change Notice No. 80.

Prepared by: TSSC

Approved by:


Aramis Lopez, Jr.
LTPP Operations, Team Leader

Attachment 1

Instructions to Apply VR 2002.11 Release

1. Shutdown the Data Extraction Service.
2. Shutdown ORACLE in normal mode and backup Server.
3. Bring ORACLE up.
4. Copy the password protected distribution file PASSWORD_20021105.ZIP to a temporary directory. Unzip the file using the password 20021105. This should create the following files: LTPP.ZIP, OracleVersions.ZIP, and VR2002_11.ZIP.
5. Create the subdirectory RELEASES\VR2002_11 (the directory RELEASES should already exist).
6. Copy and unzip the VR2002_11.ZIP file to the RELEASES\VR2002_11 subdirectory created in step 5.
7. From a DOS prompt in the RELEASES\VR2002_11 directory, type VR2002_11 dbusername/dbapassword@service_name, to begin the software update. This will run CreateIMSTrafficAnalysisTablespaces.sql, CreateIMSTrafficAnalysisTables.sql, TrafficAnalysisLTPPDDInserts.sql, SPR3164.SQL, SPR3166.SQL, SPR3175.SQL, and UpdateDistressComments.sql.
8. The scripts make some table changes. Verify that all scripts completed successfully by reviewing all *.lis files. Ignore errors about dropping non-existent objects.
9. 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.
10. The OracleVersions.zip file is included for reference only. These files are identical to the ones sent for the last release as none of the software has changed. Extract these files into the IMSVersions directory (will create a IMSVersions\OracleVersions\vr200211 subdirectory).

Attachment 2

LTPP IMS **SOFTWARE CHANGE NOTICE** **NO. 80**

Version 2002.11

Superseding 2002.09

Effective Date: November 5, 2002

1. DIS: Verified that forms were corrected with SPR 2-44; no change to QC; updated comments on distress tables. (SPRs 2-57, 3-727, P-3173)
2. Forms: Made cosmetic changes to various forms to make consistent in new environment. (SPR S-3068)
3. FWD: Corrected level D QC output by adding CONSTRUCTION_NO to record selection criteria; corrected QC to set non decreasing deflection flag according to SQL provided. (SPRs 3-722, P-3144)
4. MNT: Corrected MNT_IMP form to lookup correct code. (SPR 2-59)
5. PROF: Modified loader program to allow null in WAVE_LENGTH_INIT field and modified QC to validate this field based on type of profiler used; updated CODES list and data dictionary entries to allow null value; modified level D QC to remove checks from several fields in MON_PROFILE_MASTER. (SPRs 1-106, P-3164, P-3141)
6. RHB: Corrected dowel_length variable used in the level D check of RHB_LOAD_TRANSFER. (SPR 3-729)
7. SMP: Corrected level E check on SMP_MRCTEMP_AUTO_DAY_STATS by using integer math. (SPR 3-732)
8. SPS9 Form: No change required. (SPR 3-735)
9. TRF: Modified level E check on TRF_MONITOR_BASIC_INFO to allow experiments 9J and 9C; increased size of TRF_HIST_VOLUME_COUNT. Modified TOTAL_NO_VEHICLES_COUNT field so sheet 4 data will load properly; modified current IMS Traffic module to work with new Traffic Analysis Software. (SPRs 2-46, 4-414, P-3175)
10. TST: Modified level D QC to allow MATL_CODE=13 for DESC = 4 on SPS5 section; modified several UG07 forms to include header information on second page; modified PG Binder forms to remove schema dependent code references. (SPRs 3-723, 3-731, 3-733, 3-738, 3-739, 3-740)