



U.S. Department
Of Transportation

**Federal Highway
Administration**

Memorandum

6300 Georgetown Pike
McLean, Virginia 22101

Subject: **ACTION:** LTPP Directive IMS-126
IMS Software Release Version 2005.07

Date: July 7, 2005

From: Eric Weaver 
Long Term Pavement Performance Team

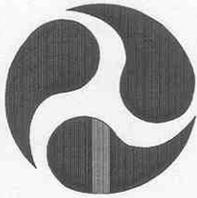
Reply to
Attn of: HRDI-13

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 IMS-126: IMS Software Release Version 2005.07. This directive authorizes implementation of the IMS software upgrade from version 2005.05 to 2005.07. Upgrade instructions are provided in the attachment. Please ensure 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-126

Date: July 7, 2005

Supersedes: I-125

Subject: IMS Software Release Version 2005.07

This directive authorizes implementation of the IMS software upgrade from version 2005.05 to 2005.07. Upgrade instructions are provided in attachment 1. Please notify the FHWA and TSSC when the upgrade has been installed.

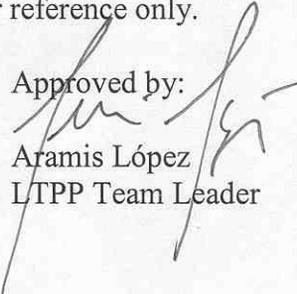
Software change notice 93, contained in the attached file, SCN_93.pdf, lists all of the changes made to the IMS software since the last software release. This notice shall be filed in the Operator Log. This release includes resolutions to many SPRs. The CONSTRUCTION_NO field was added to five sampling tables, and CN_TST.sql and related entry forms were modified to match. Many RHB entry forms were modified to correct problems with the global DATE_COMPLETE field. Record Status is reset in several tables (see ResetRecordStatus script in Table 1) since new or modified QC checks were implemented.

Version 2005.07 of the IMS software will be distributed via e-mail to each region. The files included in the password protected zip file are:

- VR2005_07.ZIP – A zip file with the batch file (VR2005_07.BAT) and scripts needed to make miscellaneous updates to the database and to run other related administrative commands. Refer to the table included in attachment 1 for an alphabetic list and descriptions of the scripts called by this batch file.
- 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 server at the central site. These are included for reference only.

Prepared by: TSSC

Approved by:


Aramis López
LTPP Team Leader

Attachment 1

Instructions to Apply VR 2005.07 Release

1. Create the subdirectory RELEASES\VR2005_07 (the directory RELEASES should already exist).
2. Copy and unzip the VR2005_07.zip file into the subdirectory created in step 1.
3. Unzip the RgdBakcal_R#.zip file for your region into the same subdirectory.
4. Shutdown ORACLE in normal mode and backup Server.
5. Bring ORACLE up.
6. From a DOS prompt in the RELEASES\VR2005_07 directory, type

VR2005_07 dbusername/dbapassword@instance R

where *R* is the region number, to begin the software update. **Note: the batch file will abort if the region number is not included.** This batch file will run the scripts listed alphabetically in table 1, below.

7. The scripts make some table changes, check that the scripts completed successfully by reviewing the *.lis files (refer to list, below), and ignore errors about dropping non-existent objects.
8. 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.
9. The OracleVersions.zip file is included for reference only. Extract these files into the OracleVersions directory. It will create an OracleVersions\VR200507 subdirectory.

Table 1. Scripts run from the VR2005_07.bat file

Script and Output Filenames (.sql & .lis)	Description
ResetRecordStatus_0507	Sets record_status in TRF_CALIBRATION_WIM, INV_ADMIX, SPS6_SAW_AND_SEAL, TST_AE08_DATA, TST_L05A, TST_L05B, and MON_PROFILE_MASTER to 'D'. Sets record_status for all records in MON_T_PROF_MASTER and MON_T_PROF_PROFILE to A.
SPR3586RemoveRejectedinCLM	Removes rejected sections from CLM_SITE_VWS_LINK.
SPR3599AddConstructionNoToTst	Adds CONSTRUCTION_NO to 5 sampling tables and initially populates the fields based on information contained in other TST tables.

Script and Output Filenames (.sql & .lis)	Description
SPR3614RigidBakcalConstraints	Change various columns to allow nulls in MON_DEFL_RGD_BAKCAL_POINT and _SECT.
SPR3618LTPPDD	Updates description of TRF_MONITOR_LTPP_LN.COUNT_DAYS and WEIGHT_DAYS.
SPR3622AE08Data	Updates column TST_AE08_DATA.STIFF_PCT_DIFF from NUMBER(5,4) to NUMBER(6,4).
SPR3623DropClmVwsDailyIndexes	Drops function based indexes on year and month from the CLM VWS tables to avoid a problem with DBMS_STATS.
SPR36xxLabCodes	Adds lab codes 0632, 4921, 0822, 1221.

10. When the activities described in Directive I-124 are complete (Combining Transverse Profile Tables), proceed with step 11.

11. From a DOS prompt in the RELEASES\VR2005_07 directory, type

`CleanUpTProfData dbusername/dbpassword@instance`

to begin the TProf data cleanup. This batch file will run the scripts listed alphabetically in table 2, below.

12. The scripts make some table changes. Check that the scripts completed successfully by reviewing the *.lis files (refer to list, below.)

Table 2. Scripts run from the CleanUpTProfData.bat file

Script and Output Filenames (.sql & .lis)	Description
CN_TPROF	Sets CN in TProf tables.
DeleteTProfPointsOutsideofSection	Deletes points which are less than zero or greater than the section length.
SPR3542TProfPvmtWidth	Sets MON_T_PROF_MASTER.PVMT_WIDTH to the maximum x value from MON_T_PROF_PROFILE. Those records also have their record_status set back to 'A'.
UpdateNoProfilesInTProfMaster	Updates MON_T_PROF_MASTER.NO_PROFILES to account for deleting points outside of the section.