



U.S. Department
Of Transportation

**Federal Highway
Administration**

Memorandum

6300 Georgetown Pike
McLean, Virginia 22101

Subject: **ACTION:** LTPP Directive IMS-150
IMS Software Release Version 2010.12

Date: December 20, 2010

From: Jane Jiang 
Long Term Pavement Performance Team

Reply to ³⁰
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-150: IMS Software Release Version 2010.12. This directive authorizes implementation of the IMS software upgrade from version 2010.07 to 2010.12. Please ensure that all personnel 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 202-493-3149.

Attachments (3)

³⁰
FHWA:HRDI-~~13~~:JJiang:mdeeney:493-3149:12/20/10
File: c:/mdeeney/directive/ims/IMS-150dir.doc

cc:

Jonathan Groeger
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-150

Date: December 20, 2010

Supersedes: I-148

Subject: IMS Software Release Version 2010.12

This directive authorizes implementation of the IMS software upgrade from version 2010.07 to 2010.12. Upgrade instructions are provided in Attachment 1. Please notify the FHWA and TSSC when the upgrade has been installed.

Software Change Notice 107, contained in the file, SCN_107.pdf, lists all of the changes made to the IMS software since the last software release. This notice shall be filed in the Operator's Log.

This software update contains scripts to update the AC distress tables to allow more precise pothole measurements. New distress QC programs and data entry forms have also been included. In addition, scripts to create and populate new TRF_ESAL tables and data updates resulting from SDR25 investigations have been included. The Software Change Notice lists these and other miscellaneous changes.

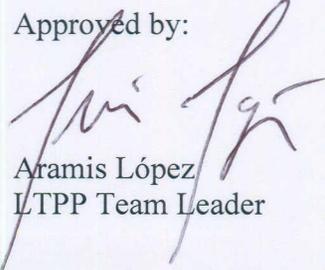
The software update for Version 2010.12 is distributed in a master zip file, SoftwareRelease 201012.zip. This file may be downloaded from the VR2010_12 directory on the ltp.org ftp site.

The following files are contained in the master file:

- VR2010_12.ZIP – A zip file with the batch file (VR2010_12.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 2010.12 Release

1. Create the subdirectory RELEASES\VR201012.
2. Copy and unzip the VR2010_12.zip file into the subdirectory created in step 1.
3. Shutdown ORACLE in normal mode and backup Server.
4. Bring ORACLE up.
5. Unzip the trf_esal_r#.zip data file specific to your region.
6. Verify that there is a trf_esal_r#.dmp file for your region in the release directory. From a DOS prompt in the RELEASES\VR2010_12 directory type:

```
VR2010_12 dbusername/dbapassword@instance #
```

where # is the number of your region. The batch file will run the scripts listed alphabetically in Table 1, below.

7. The scripts will update data. **Check carefully that the scripts completed successfully by reviewing the *.lis files (refer to list, below).** 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\VR201012 subdirectory.

Table 1. Scripts run from the VR2010_12.bat file

Script and Output Filenames (.sql & .lis)	Description
B27CorrectEstarFKName	Deletes and recreates foreign key on TST_ESTAR_MODULUS_COEFF with the correct name.
F47CreateESALTables	Creates a new TRF_ESAL_% tables and all data dictionary entries.
F93AlterPotholePrecision	Alters 3 AC distress tables to allow two decimal precision in the pothole data values.
PAD42_jpcc_record_creation_r#	Creates new PADIAS42_JPCC records for regions 2 and 3
padias_patch_fix_r#	Updates patching data in PADIAS42_AC for regions 1 - 4
padias_pothole_scripts_r#	Updates pothole data in PADIAS_AC table for regions 1 and 3
padias42_pothole_scripts_v2_r#	Updates pothole data in PADIAS42_AC table for regions 1 - 4
Smp_mrctemp_deletes_r3	Deletes two records from SMP table for region 3, only.

Software Change Notice 107

REG #	SAIC #	Program Name	Referred To	Date Rec	Date Comp
Estar					
S-27	27	TST_ESTAR table		8/6/2010	11/29/2010
Description			Resolution		
B27 - Foreign key constraint on TST_ESTAR_MODULUS_COEFF has a typo in the name. Please correct.			SQL script to delete and recreate the foreign key constraint.		
Manual Distress					
M-93	93	Distress Data Module		9/21/2010	11/19/2010
Description			Resolution		
F93 - Changes to Distress Data Module to increase precision of pothole measurements in the AC tables. Updates required for 3 AC tables, data entry forms and QC programs. Padias data loader does not need to be changed, as long as any new data files are in the same format.			One data entry form, the manual distress QC, automated distress QC and 3 AC distress tables have been updated.		
Traffic					
M-47	47	TRF ESAL Tables		8/23/2010	10/19/2010
Description			Resolution		
F47 - Specifications for new ESAL tables to be included in the PPDB. Code tables and QC program.			ESAL tables coded, populated and QC'd successfully. Included in SDR25.		