

# LONG TERM PAVEMENT PERFORMANCE PROGRAM DIRECTIVE



*For the Technical Direction of the LTPP Program*



Program Area: IMS Directive Number: I-79  
Date: October 16, 2000 Supersedes: NA  
Subject: Implementation of Revised CN Procedure

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This directive implements the procedures and target dates for implementing the new CN Procedure.

Instructions and associated files will be distributed by the Technical Support Service Contractor (TSSC). The sequence for revising the CN Procedure is included in this directive. Other processing details are included in the instructions to be distributed with the each step of the process. The upgrade of the database software and completion of the processing steps presented in this directive are targeted to be completed by close of business December 4, 2000.

The steps covered by this directive, with associated target dates and responsible parties are outlined below.

Create new CN's for current entries in the IMS using the following procedure:

**{NOTE: No Form 1s will be processed by the TSSC after the 6/30 upload until after 9/8 upload, however they should continue to be submitted in this interval.}**

1. The TSSC will create a temporary table, **TEMP\_EXP\_IMP**, which contains the combined contents of **EXPERIMENT\_SECTION**, **MNT\_IMP**, **RHB\_IMP** and **SPS?\_\*** tables. This temporary table will only be used to provide consolidated information and will contain all of the existing improvements (IMPs) needed to define new CNs. The TSSC will also create a **TEMP\_EXP\_SECT** temporary table that corresponds to entries in **TEMP\_EXP\_IMP**, but has the same fields as **EXPERIMENT\_SECTION** plus a field indicating the source of the MNT or RHB. The regions will review these temporary tables and combine the various IMPs into discrete CN events in the **TEMP\_EXP\_SECT** table. (Note a single CN event can contain multiple IMPs.) The result of this activity will be a corrected **TEMP\_EXP\_SECT** table which can be used to create a new **EXPERIMENT\_SECTION** table containing a consolidated set of CN events with appropriate dates.

**[The TSSC will begin creating the TEMP\_EXP\_SECT table SQL 7/14, and make it available to the regions by 7/21 (1 week)]**

2. The RCOCs will submit the revised **TEMP\_EXP\_SECT** table to the TSSC.  
**[RCOCs will begin 7/21, and complete work by 8/14 (3 weeks+)]**
3. The TSSC will review the revised **TEMP\_EXP\_SECT** table and coordinate any changes directly with each RCOC.

**{NOTE: The September upload will be 9/8 (TST, MNT & RHB) in order to meet the schedule in this document.}**

**{NOTE: There can be no RHB and MNT data entry or LAYER\_NO changes between 8/14 and the 12/4 upload.}**

4. The TSSC will create and populate, as well as possible, temporary **TST\_L05\*** tables, i.e. **TEMP\_TST\_L05\***, based on the information contained in the **TEMP\_EXP\_SECT** table and other tables in the IMS.
5. The TSSC will send the **TEMP\_TST\_L05\*** and **TEMP\_EXP\_SECT** tables to the RCOCs for review and revisions as appropriate.  
**[The TSSC begins activities 3-5 8/14 and completes them for regional action by 8/28. (2 weeks)]**
6. After review and revision, the RCOCs will send the revised **TEMP\_EXP\_SECT** and **TEMP\_TST\_L05\*** tables back to TSSC. This may include “dummy” L05 records in accord with existing practice. It will also utilize the Testing Modular Key Maintenance feature in the IMS to change LAYER\_NOs throughout the database.  
**[The RCOCs begin work 8/28 and make the revised tables available to the TSSC by 9/18. (3 weeks)]**
7. The TSSC will review the revised tables, and after revisions as appropriate, create new **EXPERIMENT\_SECTION** and **TST\_L05\*** tables. These tables will be sent to the regions with instructions for replacement of existing tables.
8. The TSSC will also send SQL code for resetting the **RECORD\_STATUS (R\_S)** of *selected* tables that have QC containing CN. These tables are **TST\_\***, **MNT\_\***, **RHB\_\*** and **SMP\_\***. Computed parameters tables will be handled on a case by case basis.  
**[The TSSC begins activities 7 and 8 9/18 and makes the results available to the regions by 10/2. (2 weeks)]**
9. The regions will load the new tables into their database and run the reset **R\_S SQL**.
10. RCOCs will then run **CN\_ASSIGN** to update CN in all tables.
11. Based on the revised **TST\_L05\*** tables, the regions will update (as necessary) the **SMP\_LAYOUT\_INFO** table to account for additional CNs.  
**[The RCOCs begin activities 9-11 10/2 and complete them by 10/9. (1 week)]**
12. RCOCs will then run the QC programs on each module in which the **R\_S** was reset, resolve conflicts, adjust entries, and perform manual upgrades as appropriate.
13. RCOCs upload updated and corrected tables to the TSSC for replacement of IMS tables.  
**[Activities 12 and 13 are begun by the RCOCs 10/9 with the results available to the TSSC by 12/4 (8 weeks)]**
14. Milestone - All CN events consolidated and table updates performed for existing data in the IMS.  
**{December Upload of complete database on 12/4}**

To expedite this process, the TSSC and RCOCs will communicate directly with each other, with copies to the appropriate FHWA staff.

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