Release 1211

Service Request 14807
Pretax Transportation Program

Test Plan

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1. RUN150. Load the test version of the VSAM CTL. This includes the System Parameter Table, Data Element Table, System Messages Table, Routine Definition Table and Processing Group Table changes.

2. LOADCTL. Load the test version of the DB2 CTL. This includes the System Parameter Table, Data Element Table, System Messages Table, Routine Definition Table and Processing Group Table changes.

3. RUN010A. The job is attempting to set up several transportation GTN groups. It executes PPP010 to update the VSAM CTL, PPP851 to update the DB2 PPPGTN table and then PPP013, which calls PPTRNGTN to perform consistency edits on the pretax transportation GTN's. The job is attempting to set up several transportation GTN groups.

First are the transactions and GTN table results in the PPP0102 report. Two transaction level errors are reported, a non-numeric linked GTN number for GTN 401 and an invalid Initial Linked GTN Flag value for GTN 404. In each case the transaction 2 is rejected, though the GTN's will be partially defined by the transaction 1's.

Next is the report issued by PPTRNGTN. The first page of the PPTRNGTN report displays the System Parameter values for the Federal and California State limits on transportation reductions. The Federal limit applies to both FWT and FICA.

<table>
<thead>
<tr>
<th>System Parameter</th>
<th>Description</th>
<th>Reduction Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>076</td>
<td>FED Parking Reduction Limit</td>
<td>175.0000</td>
</tr>
<tr>
<td>077</td>
<td>SWT Parking Reduction Limit</td>
<td>0.0000</td>
</tr>
<tr>
<td>078</td>
<td>FED Transit Reduction Limit</td>
<td>65.0000</td>
</tr>
<tr>
<td>079</td>
<td>SWT Transit Reduction Limit</td>
<td>99999.9999</td>
</tr>
</tbody>
</table>

From the limits, PPTRNGTN infers the required GTN's and their attributes. The GTN numbers and priorities are generic here, not literal.

Two parking GTN's need to be set up, a Reduction with FWT and FICA Reduction Indicators Y, and SWT Reduction Indicator N. The first needs to be linked to the second. The first can be any Usage, but must be Calculation Routine 16 and Con Edit 002 (which triggers PPEG002). The second is a Reduction with a 000 linked GTN number to indicate the end of the linked group. The Usage must be F, Calculation Routine must be 16, Update Routine must be 78 and the Con Edit must be 002. The priority of the second must be greater than the first. A third or fourth GTN are not needed based on the defined limits.

Two transit GTN's need to be set up, a Reduction with FWT, SWT and FICA Reduction Indicators Y. The first needs to be linked to the second. The first can be any Usage, but must be Calculation Routine 17 and Con Edit 002 (which triggers PPEG002). The second is a Reduction with a 000 linked GTN number to indicate the end of the linked group. It must have FWT and FICA Reduction Indicators N, and SWT Reduction Indicator Y. The Usage must be F, Calculation Routine must be 17, Update Routine must be 78 and the Con Edit must be 002. The priority of the second must be greater than the first. A third or fourth GTN are not needed based on the defined limits.
All of the actual GTN's are then compared to these models and must match in all regards except for the actual GTN numbers and priorities.

GTN 401 and 402 are not reported because the cursor looks for Initial Linked GTN Flag = Y and this was not on an accepted transaction. The user should note its absence and correct it.

GTN 403 and 404 have a problem with 404 because the transaction 2 for 404 was rejected and thus the Reduction Indicators do not contain valid values. 404 was also found linked in another group. And the blank linked GTN Number, also missing due to the transaction 2 rejection, results in message 40-041.

GTN 405 and 406 have problems as well. GTN 405 does not have Calculation Routine Number, which should be 16 or 17, and it doesn't have an Update Routine, which should be 78. GTN 404 was most likely miscoded as the linked GTN number, since 404 is out of sequence and as we know from 403/404, appears in two different groups. In addition, GTN 404 does not match the erroneous blank Calculation Routine Number of 405.

GTN 407 and 408 have problems. In addition to some we have seen already, 407 is rejected because it does not have Con Edit 002.

GTN 409, 410 and 411 are a mess. GTN 409 is OK. GTN 410 does not have Usage F, which linked GTN's must have so that leftover dollar amounts can be pushed down the line of linked GTN's. In addition, its Reduction Indicators do not match the generic model. GTN 411 is out of sequence. But its big problem is that there shouldn't even be a third GTN, so message 40-057 is issued. Because of this unexpected level, it also is reported that its reduction/deduction type and Reduction Indicators do not match.

GTNs 412/413 and 414/415 are ok.

PPP013 issues a Cond Code 8 message and reports that PPTRNGTN has found a fatal error. PPP400 will issue a similar message.

4. RUN010B. This run of PPP010 is attempting a correction of the errors reported in the first run. It executes PPP010 to update the VSAM CTL, PPP851 to update the DB2 PPPGTN table and then PPP013, which calls PPTRNGTN to perform consistency edits on the pretax transportation GTN's. Most of the errors were corrected.

GTN 001 was corrected so that it correctly appears on the report, but now the Reduction Indicators do not match the generic model. There is still an error.

GTN 405 was corrected to link to GTN 406 instead of 404, but now 406 does not have the correct Consistency Edit Routine 002.

GTN 410 was deleted and GTN 411 deleted/redefined to make the 409/411 link work.

A new set of GTN's 416 and 417 was successfully added.

5. RUN010C is the final correction. It executes PPP010 to update the VSAM CTL, PPP851 to update the DB2 PPPGTN table and then PPP013, which calls PPTRNGTN to perform consistency edits on the pretax transportation GTN's. All the errors were corrected. Everything works.

PPP013 now issues a level 1 message stating that the pretax GTN's have passed the consistency edit. The PPTRNGTN report does not contain any error messages.
The PPP0102 report should be checked to confirm that the condition reported in Error Report 1573 has been corrected. Initial pretax parking reductions, e.g. 401, should not display "SWT" under Reductions. The linked pretax transit reductions, e.g. 404, should not display "FWT" or "FICA" under Reductions.

6. RUN741. Execute PPP741 to update the PPPGTNH table in the CDB. Program PPGTNHUP was modified to move the two new columns on the PPGTN table to the PPPGTNH table. The SPUFI list can be used to confirm that the PPPGTNH entries for the pretax transportation GTN's contain the same column data as the PPGTN table.

7. LOADEDDB. Load the test version of the DB2 EDB. This contains employees that already have pretax transportation deductions on the PPPDBL table.

8. RUN250A. Run PPP250 to produce a Data Base Record Display report of the EDB. This can be used to verify what employees have pretax transportation deductions.

9. NOVMO. Run a MO compute that pays some of the employees that have post-tax parking deductions.

MO Compute for Pay Period Ending November 30, 1997

The System Parameter values loaded into the System Parameter Table for this test are as follows:

<table>
<thead>
<tr>
<th>System Parameter</th>
<th>Description</th>
<th>Reduction Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>076</td>
<td>FED Parking Reduction Limit</td>
<td>175.0000</td>
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<tr>
<td>077</td>
<td>SWT Parking Reduction Limit</td>
<td>0.0000</td>
</tr>
<tr>
<td>078</td>
<td>FED Transit Reduction Limit</td>
<td>65.0000</td>
</tr>
<tr>
<td>079</td>
<td>SWT Transit Reduction Limit</td>
<td>99999.9999</td>
</tr>
</tbody>
</table>

Based on the maximum allowable reductions defined on the System Parameter Table for FWT and SWT (Maximum reduction limit for FICA is currently the same as FWT), the generic GTN structures required for pretax parking and pretax transit are as follows:

**Pretax Parking:**

<table>
<thead>
<tr>
<th>GTN/Initial Linked GTN Flag</th>
<th>Linked GTN</th>
<th>FWT Red Ind</th>
<th>SWT Red Ind</th>
<th>FICA Red Ind</th>
<th>Red Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>001Y</td>
<td>002</td>
<td>Y</td>
<td>N</td>
<td>Y</td>
<td>175.00</td>
</tr>
<tr>
<td>002</td>
<td>000</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>99999.999</td>
</tr>
</tbody>
</table>

**Pretax Transit:**

<table>
<thead>
<tr>
<th>GTN/Initial Linked GTN Flag</th>
<th>Linked GTN</th>
<th>FWT Red Ind</th>
<th>SWT Red Ind</th>
<th>FICA Red Ind</th>
<th>Red Limit</th>
</tr>
</thead>
<tbody>
<tr>
<td>001Y</td>
<td>002</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>65.00</td>
</tr>
<tr>
<td>002</td>
<td>000</td>
<td>N</td>
<td>Y</td>
<td>N</td>
<td>99999.999</td>
</tr>
</tbody>
</table>
Following are some examples of employees with Parking and/or Transit deductions used to test the MO compute process. The PPP4401 report is used to verify each appropriate deduction for Parking and/or Transit. In addition, the SPUFI report is used to verify the monthly Pretax Parking and monthly Pretax Transit balances on the PPPPCM Table after the compute has completed.

**Employee 000000001**

This employee has a deduction of **200.25 for 401-G** (Parking), and a deduction of **100.00 for 405-G** (Transit) on the employee’s Deduction Table.

**Expected Results:** Since the Parking Reduction Limit of 175.00 for the Initial Linked GTN 401 is less than the original deduction of 200.25, the Parking Reduction Limit of 175.00 is added to GTN 401, and the 175.00 is subtracted from the original deduction of 200.25, leaving a remaining deduction-to-take of 25.25. The Parking Reduction Limit of 175.00 has been reached for Initial Linked GTN 401. Therefore, no additional deductions are allowed for GTN 401. The next linked GTN is GTN 402. Note that GTN 402 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Therefore, the remaining deduction-to-take of 25.25 is added to GTN 402.

Since the Transit Reduction Limit of 65.00 for the Initial Linked GTN 405 is less than the original deduction of 100.00, the Transit Reduction Limit of 65.00 is added to GTN 405, and the 65.00 is subtracted from the original deduction of 100.00, leaving a remaining deduction-to-take of 35.00. The Transit Reduction Limit of 65.00 has been reached for Initial Linked GTN 405. Therefore, no additional deductions are allowed for GTN 405. The next linked GTN is GTN 406. Note that GTN 406 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers); the remaining deduction-to-take of 35.00 is added to GTN 406.

The Pretax Parking balance should be 200.25, and Pretax Transit balance should be 100.00 on the PPPPCM Table.

**Employee 000050001**

This employee has a deduction of **501.25 for 401-G** (Parking) on the employee’s Deduction Table.

**Expected Results:** Since the Parking Reduction Limit of 175.00 for the Initial Linked GTN 401 is less than the original deduction of 501.25, the Parking Reduction Limit of 175.00 is added to GTN 401, and the 175.00 is subtracted from the original deduction of 501.25, leaving a remaining deduction-to-take of 326.25. The Parking Reduction Limit of 175.00 has been reached for Initial Linked GTN 401. Therefore, no additional deductions are allowed for GTN 401. The next linked GTN is GTN 402. Note that GTN 402 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers); the remaining deduction-to-take of 326.25 is added to GTN 402.

The Pretax Parking balance should be 501.25 on the PPPPCM Table.

**Employee 000050002**

This employee has a deduction of **150.10 for 401-G** (Parking) on the employee’s Deduction Table.

**Expected Results:** Since the original deduction of 150.10 is less than the Parking Reduction Limit of 175.00 for the Initial Linked GTN 401, the full original deduction of 150.10 is added to GTN 401, and the 150.10 is subtracted from the original deduction of 150.10, leaving a remaining deduction-to-take of .00. The Parking Reduction Limit of 175.00 has not been reached for Initial Linked GTN 401; the remaining Parking Reduction Limit is 24.90. The
next linked GTN is GTN 402. Note that GTN 402 contains a linked GTN value of ‘000’ (last GTN in the group of
linked GTN numbers). Since the remaining deduction-to-take is .00, the deduction-to-take for GTN 402 is zero.

The Pretax Parking balance should be 150.10 on the PPPPCM Table.

**Employee 000050005**

This employee has a deduction of **175.00 for 401-G** (Parking) on the employee’s Deduction Table.

**Expected Results:** Since the original deduction of 175.00 is not greater than the Parking Reduction Limit of 175.00 for Initial Linked GTN 401, the full original deduction of 175.00 is added to GTN 401, and the 175.00 is subtracted from the original deduction of 175.00, leaving a remaining deduction-to-take of .00. The Parking Reduction Limit of 175.00 has been reached for Initial Linked GTN 401. Therefore, no additional deductions are allowed for GTN 401. The next linked GTN is GTN 402. Note that GTN 402 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is .00, the deduction-to-take for GTN 402 is zero.

The Pretax Parking balance should be 175.00 on the PPPPCM Table.

**Employee 000050006**

This employee has a deduction of **174.00 for 407-G** (Parking) on the employee’s Deduction Table.

**Expected Results:** Since the original deduction of 174.00 is less than the Parking Reduction Limit of 175.00 for the Initial Linked GTN 407, the full original deduction of 174.00 is added to GTN 407, and the 174.00 is subtracted from the original deduction of 174.00, leaving a remaining deduction-to-take of .00. The Parking Reduction Limit of 175.00 has not been reached for Initial Linked GTN 407; the remaining Parking Reduction Limit is 1.00. The next linked GTN is GTN 408. Note that GTN 408 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is .00, the deduction-to-take for GTN 408 is zero.

The Pretax Parking balance should be 174.00 on the PPPPCM Table.

**Employee 000050007**

This employee has a deduction of **100.00 for 401-G** (Parking), and a deduction of **175.00 for 407-G** (Parking) on the employee’s Deduction Table.

**Expected Results:** Since the original deduction of 100.00 is less than the Parking Reduction Limit of 175.00 for the Initial Linked GTN 401, the full original deduction of 100.00 is added to GTN 401, and the 100.00 is subtracted from the original deduction of 100.00, leaving a remaining deduction-to-take of .00. The Parking Reduction Limit of 175.00 has not been reached for Initial Linked GTN 401; the remaining Parking Reduction Limit is 75.00 (175.00 – 100.00 = 75.00). The next linked GTN is GTN 402. Note that GTN 402 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is .00, the deduction-to-take for GTN 402 is zero.

Note that a reduction of 100.00 was already taken for GTN 401, leaving a remaining Parking Reduction Limit of 75.00 for the Initial Linked GTN 407. Since the remaining Parking Reduction Limit of 75.00 for the Initial Linked GTN 407 is less than the original deduction of 175.00, the remaining Parking Reduction Limit of 75.00 is added to GTN 407, and the 75.00 is subtracted from the original deduction of 175.00, leaving a remaining deduction-to-take of 100.00. The Parking Reduction Limit of 175.00 has been reached for Initial Linked GTN 407. Therefore, no
additional deductions are allowed for GTN 407. The next linked GTN is GTN 408. Note that GTN 408 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers); the remaining deduction-to-take of 100.00 is added to GTN 408.

The Pretax Parking balance should be 275.00 on the PPPPCM Table.

**Employee 000050010**

This employee has a deduction of 176.00 for 401-G (Parking), and a deduction of 100.00 for 407-G (Parking) on the employee’s Deduction Table.

**Expected Results:** Since the original deduction of 176.00 is more than the Parking Reduction Limit of 175.00 for the Initial Linked GTN 401, the Parking Reduction Limit of 175.00 is added to GTN 401, and the 175.00 is subtracted from the original deduction of 176.00, leaving a remaining deduction-to-take of 1.00. The Parking Reduction Limit of 175.00 has been reached for Initial Linked GTN 401. Therefore, no additional deductions are allowed for GTN 401. The next linked GTN is GTN 402. Note that GTN 402 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers); the remaining deduction-to-take of 1.00 is added to GTN 402.

Note that a total reduction of 175.00 was already taken for Initial Linked GTN 401, leaving a remaining Parking Reduction Limit of zero (.00) for the Initial Linked GTN 401. Since the remaining Parking Reduction Limit is zero, no additional deductions are allowed for Initial Linked GTN 407. The next linked GTN is GTN 408. Note that GTN 408 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). The full original deduction of 100.00 is added to GTN 408.

The Pretax Parking balance should be 276.00 on the PPPPCM Table.

**Employee 000050011**

This employee has a deduction of 175.00 for 407-G (Parking), and a deduction of 237.00 for 412-G (Parking) on the employee’s Deduction Table.

Note that the **GTN Usage** field contains a value of ‘1’ (System Parameter Table for fixed amount) for GTN 412 on the GTN Table. Therefore, the fixed deduction of 200.00 will be taken from System Parameter Entry 237 for the employee’s parking deduction.

**Expected Results:** Since the original deduction of 175.00 is not greater than the Parking Reduction Limit of 175.00 for the Initial Linked GTN 401, the full original deduction of 175.00 is added to GTN 401, and the 175.00 is subtracted from the original deduction of 175.00, leaving a remaining deduction-to-take of .00. The Parking Reduction Limit of 175.00 has been reached for Initial Linked GTN 401. Therefore, no additional deductions are allowed for GTN 401. The next linked GTN is GTN 402. Note that GTN 402 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is .00, the deduction-to-take for GTN 402 is zero.

Note that a total reduction of 175.00 was already taken for Initial Linked GTN 401, leaving a remaining Parking Reduction Limit of zero (.00) for the Initial Linked GTN 401. Since the remaining Parking Reduction Limit is zero, no additional deductions are allowed for Initial Linked GTN 412. The next linked GTN is GTN 413. Note that GTN 413 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). The full original deduction of 200.00 is added to GTN 413.

The Pretax Parking balance should be 375.00 on the PPPPCM Table.
Employee 000050027

This employee has a deduction of **501.25 for 401-G (Parking)** on the employee’s Deduction Table.

**Expected Results:** Since the Parking Reduction Limit of 175.00 for the Initial Linked GTN 401 is less than the original deduction of 501.25, the Parking Reduction Limit of 175.00 is added to GTN 401, and the 175.00 is subtracted from the original deduction of 501.25, leaving a remaining deduction-to-take of 326.25. The Parking Reduction Limit of 175.00 has been reached for Initial Linked GTN 401. Therefore, no additional deductions are allowed for GTN 401. The next linked GTN is GTN 402. Note that GTN 402 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers); the remaining deduction-to-take of 326.25 is added to GTN 402.

The Pretax Parking balance should be 501.25 on the PPPPCM Table.

Employee 000050028

This employee has a deduction of **150.10 for 401-G (Parking)** on the employee’s Deduction Table.

**Expected Results:** Since the original deduction of 150.10 is less than the Parking Reduction Limit of 175.00 for the Initial Linked GTN 401, the full original deduction of 150.10 is added to GTN 401, and the 150.10 is subtracted from the original deduction of 150.10, leaving a remaining deduction-to-take of .00. The Parking Reduction Limit of 175.00 has not been reached for Initial Linked GTN 401; the remaining Parking Reduction Limit is 24.90. The next linked GTN is GTN 402. Note that GTN 402 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is .00, the deduction-to-take for GTN 402 is zero.

The Pretax Parking balance should be 150.10 on the PPPPCM Table.

Employee 000050029

This employee has a deduction of **60.00 for 401-G (Parking)**, a deduction of **270.00 for 407-G (Parking)**, a deduction of **237.00 for 412-G (Parking)**, and a deduction of **200.00 for 405-G (Transit)** on the employee’s Deduction Table.

Note that the **GTN Usage** field contains a value of ‘1’ (System Parameter Table for fixed amount) for GTN 412 on the GTN Table. Therefore, the fixed deduction of 200.00 will be taken from System Parameter Entry 237 for the employee’s parking deduction.

**Expected Results:** Since the original deduction of 60.00 is less than the Parking Reduction Limit of 175.00 for the Initial Linked GTN 401, the full original deduction of 60.00 is added to GTN 401, and the 60.00 is subtracted from the original deduction of 60.00, leaving a remaining deduction-to-take of .00. The Parking Reduction Limit of 175.00 has not been reached for Initial Linked GTN 401; the remaining Parking Reduction Limit is 115.00. The next linked GTN is GTN 402. Note that GTN 402 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is .00, the deduction-to-take for GTN 402 is zero.

Note that a reduction of 60.00 was already taken for GTN 401, leaving a remaining Parking Reduction Limit of 115.00 for the Initial Linked GTN 407. Since the remaining Parking Reduction Limit of 115.00 for the Initial Linked GTN 407 is less than the original deduction of 270.00, the remaining Parking Reduction Limit of 115.00 is added to GTN 407, and the 115.00 is subtracted from the original deduction of 270.00, leaving a remaining deduction-to-take of 155.00. The Parking Reduction Limit of 175 has been reached for Initial Linked GTN 407. Therefore, no additional deductions are allowed for GTN 407. The next linked GTN is GTN 408. Note that GTN
408 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers); the remaining deduction-to-take of 155.00 is added to GTN 408.

Note that a total reduction of 175.00 was already taken for Initial Linked GTN 401 and Initial Linked GTN 407, leaving a remaining Parking Reduction Limit of zero (.00) for the Initial Linked GTN 412. Since the remaining Parking Reduction Limit is zero, no additional deductions are allowed for Initial Linked GTN 412. The next linked GTN is GTN 413. Note that GTN 413 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). The full original deduction of 200.00 is added to GTN 413.

Since the Transit Reduction Limit of 65.00 for the Initial Linked GTN 405 is less than the original deduction of 200.00, the Transit Reduction Limit of 65.00 is added to GTN 405, and the 65.00 is subtracted from the original deduction of 200.00, leaving a remaining deduction-to-take of 135.00. The Transit Reduction Limit of 65.00 has been reached for Initial Linked GTN 405. Therefore, no additional deductions are allowed for GTN 405. The next linked GTN is GTN 406. Note that GTN 406 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers); the remaining deduction-to-take of 135.00 is added to GTN 406.

The Pretax Parking balance should be 530.00, and Pretax Transit balance should be 200.00 on the PPPPCM Table.

Also check the Advice statement created by PPP420, if using the new laser format. System Parameter 144 is set to 4 in the test UDB2CTL. The deductions listed under OTHER should include GTN’s 401, 405, 406, 407, 408 and 413. In the following CALCULATION OF TAXABLE GROSS EARNINGS box only GTN’s 401, 405 and 407 should be displayed. These are all FWT reductions. GTN 408 is a deduction GTN linked to 407 and contains the non-reducing amount over the limit for parking. GTN 413 is a deduction GTN linked to 412 and contains the non-reducing amount over the limit for parking. GTN 406 is a reduction GTN linked to 405, however it does not reduce FWT taxable gross, which is what is displayed in this box. It should be excluded.

Other employee ID's with the second level linked transit GTN's in this and following Computes should also exclude the reduction from the taxable gross calculation.

Employee 000050086

This employee has a deduction of 90.00 for 401-G (Parking), and a deduction of 300.00 for 407-G (Parking) on the employee’s Deduction Table.

Expected Results: Since the original deduction of 90.00 is less than the Parking Reduction Limit of 175.00 for the Initial Linked GTN 401, the full original deduction of 90.00 is added to GTN 401, and the 90.00 is subtracted from the original deduction of 90.00, leaving a remaining deduction-to-take of .00. The Parking Reduction Limit of 175.00 has not been reached for Initial Linked GTN 401; the remaining Parking Reduction Limit is 85.00. The next linked GTN is GTN 402. Note that GTN 402 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is .00, the deduction-to-take for GTN 402 is zero.

Note that a reduction of 90.00 was already taken for GTN 401, leaving a remaining Parking Reduction Limit of 85.00 for the Initial Linked GTN 407. Since the remaining Parking Reduction Limit of 85.00 for the Initial Linked GTN 407 is less than the original deduction of 300.00, the remaining Parking Reduction Limit of 85.00 is added to GTN 407, and the 85.00 is subtracted from the original deduction of 300.00, leaving a remaining deduction-to-take of 215.00. The Parking Reduction Limit of 175 has been reached for Initial Linked GTN 407. Therefore, no additional deductions are allowed for GTN 407. The next linked GTN is GTN 408. Note that GTN 408 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers); the remaining deduction-to-take of 215.00 is added to GTN 408.
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The Pretax Parking balance should be 390.00 on the PPPPCM Table.

10. NOVB1A. Run a B1 biweekly compute.

BW Compute for Pay Period Ending November 01, 1997

The System Parameter values loaded into the System Parameter Table for this test are the same as those for testing the MO Compute, and therefore the required GTN structure is the same.

Following are some examples of employees with Parking and/or Transit deductions used to test the BW compute process. The PPP4401 report is used to verify each appropriate deduction for Parking and/or Transit. In addition, the SPUFI report is used to verify the monthly Pretax Parking and monthly Pretax Transit balances on the PPPPCM Table after the compute has completed.

**Employee 000050003**

This employee has a deduction of **175.00 for 401-G** (Parking), and a deduction of **100.00 for 405-G** (Transit) on the employee’s Deduction Table.

**Expected Results:** Since half of the original deduction of 175.00 (half of 175.00 is 87.50) is less than the Parking Reduction Limit of 175.00, the deduction of 87.50 is added to GTN 401, and the 87.50 is subtracted from the deduction of 87.50, leaving a remaining deduction-to-take of .00. The Parking Reduction Limit of 175.00 has not been reached; the remaining Parking Reduction Limit is 87.50 (175.00 – 87.50 = 87.50). The next linked GTN is GTN 402. Note that GTN 402 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is .00, the deduction-to-take for GTN 402 is zero.

Since half of the original deduction of 100.00 (half of 100.00 is 50.00) is less than the Transit Reduction Limit of 65.00, the deduction of 50.00 is added to GTN 405, and the 50.00 is subtracted from the deduction of 50.00, leaving a remaining deduction-to-take of .00. The Transit Reduction Limit of 65.00 has not been reached for Initial Linked GTN 405; the remaining Transit Reduction Limit is .15.00 (65.00 – 50.00 = 15.00). The next linked GTN is GTN 406. Note that GTN 406 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is .00, the deduction-to-take for GTN 406 is .00.

The Pretax Parking balance should be 87.50, and Pretax Transit balance should be 50.00 on the PPPPCM Table.

**Employee 000050012**

This employee has a deduction of **174.00 for 407-G** (Parking) on the employee’s Deduction Table.

**Expected Results:** Since half of the original deduction of 174.00 (half of 174.00 is 87.00) is less than the Parking Reduction Limit of 175.00, the deduction of 87.00 is added to GTN 407, and the 87.00 is subtracted from the deduction of 87.00, leaving a remaining deduction-to-take of .00. The Parking Reduction Limit of 175.00 has not been reached for Initial Linked GTN 407; the remaining Parking Reduction Limit is 88.00 (175.00 – 87.00 = 88.00). The next linked GTN is GTN 408. Note that GTN 408 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is .00, the deduction-to-take for GTN 408 is .00.

The Pretax Parking balance should be 87.00 on the PPPPCM Table.

**Employee 000050013**
This employee has a deduction of **237.00 for 412-G (Parking)** on the employee’s Deduction Table.

Note that the **GTN Usage** field contains a value of ‘1’ (System Parameter Table for fixed amount) for GTN 412 on the GTN Table. Therefore, the fixed deduction of 200.00 will be taken from System Parameter Entry 237 for the employee’s parking deduction.

**Expected Results:** Since half of the original deduction of 200.00 (half of 200.00 is 100.00) is less than the Parking Reduction Limit of 175.00, the deduction of 100.00 is added to GTN 412, and the 100.00 is subtracted from the deduction of 100.00, leaving a remaining deduction-to-take of .00. The Parking Reduction Limit of 175.00 has not been reached for Initial Linked GTN 412; the remaining Parking Reduction Limit is 75.00 (175.00 – 100.00 = 75.00). The next linked GTN is GTN 413. Note that GTN 413 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is .00, the deduction-to-take for GTN 413 is .00.

The Pretax Parking balance should be 100.00 on the PPPPCM Table.

**Employee 000050016**

This employee has a deduction of **175.00 for 401-G (Parking)**, and a deduction of **175.00 for 407-G (Parking)** on the employee’s Deduction Table. In addition, a suspended balance of 87.50 for GTN 401-S (Parking) and a suspended balance of 3.00 for GTN 402-S (Parking) are on the employee’s Deduction Table.

**Expected Results:** Since half of the original deduction of 175.00 (half of 175.00 is 87.50) is less than the Parking Reduction Limit of 175.00, the deduction of 87.50 is added to GTN 401, and the 87.50 is subtracted from the deduction of 87.50, leaving a remaining deduction-to-take of .00. The Parking Reduction Limit of 175.00 has not been reached for Initial Linked GTN 401; the remaining Parking Reduction Limit is 87.50 (175.00 – 87.50 = 87.50). The next linked GTN is GTN 402. Note that GTN 402 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is .00, the deduction-to-take for GTN 402 is zero.

Since half of the original deduction of 175.00 (half of 175.00 is 87.50) is not greater than the remaining Parking Reduction Limit of 87.50, the deduction of 87.50 is added to GTN 407, and the 87.50 is subtracted from the deduction of 87.50, leaving a remaining deduction-to-take of .00. The Parking Reduction Limit of 175.00 has been reached for Initial Linked GTN 407. The next linked GTN is GTN 408. Note that GTN 408 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is .00, the deduction-to-take for GTN 408 is zero.

A suspended balance of 87.50 for GTN 401 (Parking) and a suspended balance of 3.00 for GTN 402 (Parking) have been taken for the current BW pay cycle. Thus, the suspended balances taken for Pretax Parking does not affect current month’s limits.

The Pretax Parking balance should be 175.00 on the PPPPCM Table.

**Employee 000050017**

This employee has a deduction of **190.00 for 407-G (Parking)**, and a deduction of **237.00 for 412-G (Parking)** on the employee’s Deduction Table.

Note that the **GTN Usage** field contains a value of ‘1’ (System Parameter Table for fixed amount) for GTN 412 on the GTN Table. Therefore, the fixed deduction of 200.00 will be taken from System Parameter Entry 237 for the employee’s parking deduction.
Expected Results: Since half of the original deduction of 190.00 (half of 190.00 is 95.00) is less than the Parking Reduction Limit of 175.00, the deduction of 90.00 is added to GTN 407, and the 95.00 is subtracted from the deduction of 95.00, leaving a remaining deduction-to-take of .00. The Parking Reduction Limit of 175.00 has not been reached for Initial Linked GTN 407; the remaining Parking Reduction Limit is 80.00 (175.00 – 95.00 = 80.00). The next linked GTN is GTN 408. Note that GTN 408 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is .00, the deduction-to-take for GTN 408 is zero.

Since half of the original deduction of 200.00 (half of 200.00 is 100.00) is greater than the remaining Parking Reduction Limit of 80.00, the remaining Parking Reduction Limit of 80.00 is added to GTN 412, and the 80.00 is subtracted from the deduction of 100.00, leaving a remaining deduction-to-take of 20.00. The Parking Reduction Limit of 175.00 has been reached for Initial Linked GTN 412. The next linked GTN is GTN 413. Note that GTN 413 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is 20.00, the deduction-to-take for GTN 413 is 20.00.

The Pretax Parking balance should be 195.00 on the PPPPCM Table.

Employee 000050022

This employee has a deduction of 174.00 for 401-G (Parking), a deduction of 100.00 for 407-G (Parking) on the employee’s Deduction Table.

Expected Results: Since half of the original deduction of 174.00 (half of 174.00 is 87.00) is less than the Parking Reduction Limit of 175.00, the deduction of 87.00 is added to GTN 401, and the 87.00 is subtracted from the deduction of 87.00, leaving a remaining deduction-to-take of .00. The Parking Reduction Limit of 175.00 has not been reached for Initial Linked GTN 401; the remaining Parking Reduction Limit is 87.00 (175.00 – 87.00 = 88.00). The next linked GTN is GTN 402. Note that GTN 402 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is .00, the deduction-to-take for GTN 402 is zero.

Since half of the original deduction of 100.00 (half of 100.00 is 50.00) is less than the remaining Parking Reduction Limit of 88.00, the deduction of 50.00 is added to GTN 407, and the 50.00 is subtracted from the deduction of 50.00, leaving a remaining deduction-to-take of .00. The remaining Parking Reduction Limit of 88.00 has not been reached for Initial Linked GTN 407; the remaining Parking Reduction Limit is 38.00 (88.00 – 50.00 = 38.00). The next linked GTN is GTN 408. Note that GTN 408 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is .00, the deduction-to-take for GTN 408 is zero.

The Pretax Parking balance should be 137.00 on the PPPPCM Table.

Employee 000050039

This employee has a deduction of 95.25 for 401-G (Parking) on the employee’s Deduction Table.

Expected Results: Since the employee has no current pay activities for the current BW pay cycle, a suspended balance of 47.63 (half of 95.25 is 47.63 rounded) for GTN 401 is written to the employee’s Deduction Table.

The Pretax Parking balance should be 47.63 on the PPPPCM Table.


BW Compute for Pay Period Ending November 15, 1997
Pretax Transportation Program
Test Plan

The System Parameter values loaded into the System Parameter Table for this test are the same as those for testing the MO Compute, and therefore the required GTN structure is the same.

Following are some examples of employees with Parking and/or Transit deductions used to test the BW compute process. The PPP4401 report is used to verify each appropriate deduction for Parking and/or Transit. In addition, the SPUFI report is used to verify the monthly Pretax Parking and monthly Pretax Transit balances on the PPPPCM Table after the compute has completed.

Employee 000050003

This employee has a deduction of 175.00 for 401-G (Parking), and a deduction of 100.00 for 405-G (Transit) on the employee’s Deduction Table.

Expected Results: Since half of the original deduction of 175.00 (half of 175.00 is 87.50) is not greater than the remaining Parking Reduction Limit of 87.50 (from the BW November 01, 1997 compute), the deduction of 87.50 is added to GTN 401, and the 87.50 is subtracted from the deduction of 87.50, leaving a remaining deduction-to-take of .00. The Parking Reduction Limit of 175.00 has been reached; the remaining Parking Reduction Limit is zero (87.50 – 87.50 = .00). The next linked GTN is GTN 402. Note that GTN 402 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is .00, the deduction-to-take for GTN 402 is zero.

Since half of the original deduction of 100.00 (half of 100.00 is 50.00) is greater than the remaining Transit Reduction Limit of 15.00 (from the BW November 01, 1997 compute), the remaining Transit Reduction Limit of 15.00 is added to GTN 405, and the 15.00 is subtracted from the deduction of 50.00, leaving a remaining deduction-to-take of 35.00. The Transit Reduction Limit of 65.00 has been reached for Initial Linked GTN 405; the remaining Transit Reduction Limit is .00 (15.00 – 15.00 = .00). The next linked GTN is GTN 406. Note that GTN 406 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is 35.00, the deduction-to-take for GTN 406 is 35.00.

The Pretax Parking balance should be 175.00 and the Pretax Transit balance should be 100.00 on the PPPPCM Table.

Employee 000050012

This employee has a deduction of 174.00 for 407-G (Parking) on the employee’s Deduction Table.

Expected Results: Since half of the original deduction of 174.00 (half of 174.00 is 87.00) is less than the remaining Parking Reduction Limit of 88.00 (from the BW November 01, 1997 compute), the deduction of 87.00 is added to GTN 407, and the 87.00 is subtracted from the deduction of 87.00, leaving a remaining deduction-to-take of .00. The Parking Reduction Limit of 175.00 has been reached for Initial Linked GTN 407; the remaining Parking Reduction Limit is .00 (87.00 – 87.00 = .00). The next linked GTN is GTN 408. Note that GTN 408 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is .00, the deduction-to-take for GTN 408 is zero.

The Pretax Parking balance should be 174.00 on the PPPPCM Table.

Employee 000050013

This employee has a deduction of 237.00 for 412-G (Parking) on the employee’s Deduction Table.
Note that the **GTN Usage** field contains a value of ‘1’ (System Parameter Table for fixed amount) for GTN 412 on the GTN Table. Therefore, the fixed deduction of 200.00 will be taken from System Parameter Entry 237 for the employee’s parking deduction.

**Expected Results:** Since half of the original deduction of 200.00 (half of 200.00 is 100.00) is greater than the remaining Parking Reduction Limit of 75.00 (from the BW November 01, 1997 compute), the remaining Parking Reduction Limit of 75.00 is added to GTN 412, and the 75.00 is subtracted from the deduction of 100.00, leaving a remaining deduction-to-take of 25.00. The Parking Reduction Limit of 175.00 has been reached for Initial Linked GTN 412; the remaining Parking Reduction Limit is .00 (75.00 – 75.00 = .00). The next linked GTN is GTN 413. Note that GTN 413 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is 25.00, the deduction-to-take for GTN 413 is 25.00.

The Pretax Parking balance should be 200.00 on the PPPPCM Table.

**Employee 000050016**

This employee has a deduction of **175.00 for 401-G** (Parking), and a deduction of **175.00 for 407-G** (Parking) on the employee’s Deduction Table. Note that the suspended balances of 87.50 for GTN 401 and 3.00 for GTN 403 were already taken from the current BW November 01, 1997 compute.

**Expected Results:** Since the remaining Parking Reduction Limit for GTN 401 is zero (from the BW November 01, 1997 compute), no deductions are added to GTN 401. The next linked GTN is GTN 402. Note that GTN 402 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is 87.50, the deduction-to-take for GTN 402 is 87.50.

Since the remaining Parking Reduction Limit for GTN 407 is zero (from the BW November 01, 1997 compute), no deductions are added to GTN 407. The next linked GTN is GTN 408. Note that GTN 408 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is 87.50, the deduction-to-take for GTN 408 is 87.50.

The Pretax Parking balance should be 350.00 on the PPPPCM Table.

**Employee 000050017**

This employee has a deduction of **190.00 for 407-G** (Parking), and a deduction of **237.00 for 412-G** (Parking) on the employee’s Deduction Table.

Note that the **GTN Usage** field contains a value of ‘1’ (System Parameter Table for fixed amount) for GTN 412 on the GTN Table. Therefore, the fixed deduction of 200.00 will be taken from System Parameter Entry 237 for the employee’s parking deduction.

**Expected Results:** Since the remaining Parking Reduction Limit for GTN 407 is zero (from the BW November 01, 1997 compute), no deductions are added to GTN 407. The next linked GTN is GTN 408. Note that GTN 408 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is 95.00, the deduction-to-take for GTN 408 is 95.00.

Since the remaining Parking Reduction Limit for GTN 412 is zero (from the BW November 01, 1997 compute), no deductions are added to GTN 412. The next linked GTN is GTN 413. Note that GTN 413 contains a linked GTN
value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is 100.00, the deduction-to-take for GTN 413 is 100.00.

The Pretax Parking balance should be 390.00 on the PPPPCM Table.

**Employee 000050022**

This employee has a deduction of **174.00 for 401-G** (Parking), a deduction of **100.00 for 407-G** (Parking) on the employee’s Deduction Table.

**Expected Results:** Since half of the original deduction of 174.00 (half of 174.00 is 87.00) is greater than the remaining Parking Reduction Limit of 38.00, the remaining Parking Reduction Limit of 38.00 is added to GTN 401, and the 38.00 is subtracted from the deduction of 87.00, leaving a remaining deduction-to-take of 49.00. The Parking Reduction Limit of 175.00 has been reached for Initial Linked GTN 401; the remaining Parking Reduction Limit is .00 (38.00 – 38.00 = .00). The next linked GTN is GTN 402. Note that GTN 402 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is 49.00, the deduction-to-take for GTN 402 is 49.00.

Since the remaining Parking Reduction Limit for GTN 407 is zero (from the BW November 01, 1997 compute), no deductions are added to GTN 407. The next linked GTN is GTN 408. Note that GTN 408 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is 50.00, the deduction-to-take for GTN 408 is 50.00.

The Pretax Parking balance should be 274.00 on the PPPPCM Table.

**Employee 000050039**

This employee has a deduction of **95.25 for 401-G** (Parking) on the employee’s Deduction Table.

**Expected Results:** Note that the employee had no current pay activities for the BW November 01, 1997 compute; a suspended balance of 47.63 (half of 95.25 is 47.63 rounded) for GTN 401 was written to the employee’s Deduction Table. The suspended Pretax Parking is taken in the current month’s compute. The suspended Pretax Parking deduction taken does not affect the current month’s Parking Reduction Limits.

Since half of the original deduction of 95.25 (half of 95.25 is 47.62) is less than the remaining Parking Reduction Limit of 127.37 (from the BW November 01, 1997 compute), the deduction of 47.62 is added to GTN 401, and the 47.62 is subtracted from the deduction of 47.62, leaving a remaining deduction-to-take of .00. The Parking Reduction Limit of 175.00 has not been reached for Initial Linked GTN 401; the remaining Parking Reduction Limit is 79.75 (127.37 – 47.62 – 79.75). The next linked GTN is GTN 402. Note that GTN 402 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is .00, the deduction-to-take for GTN 402 is .00.

The Pretax Parking balance should be 95.25 on the PPPPCM Table.

12. NOVB1B. Run a B1 biweekly Compute, the third in the same month.
Since this is the third BW compute in the month of November, there should not be any Pretax Parking or Pretax Transit deductions taken for those Employee IDs used in the BW November 01, 1997 and BW November 15, 1997 computes.

Verify that the following employees do not have Pretax Parking and/or Pretax Transit deductions taken from their current pay. Also, their Pretax Transportation balances on the PPPPCM Table should not change.

- Employee ID 000050003
- Employee ID 000050012
- Employee ID 000050013
- Employee ID 000050016
- Employee ID 000050017
- Employee ID 000050022
- Employee ID 000050039

13. DECMO. Run the December MO Compute.

MO Compute for Pay Period Ending December 31, 1997

The December MO compute was run to test the following items:

a) When a new pay month is encountered, each employee’s Pretax Parking Balance and Pretax Transit Balance should be set to zero on the PPPPCM Table, prior to processing the employee’s current month Pretax Parking and/or Pretax Transit deductions.

b) The Parking and/or Transit deductions taken from the December MO compute should be the same as the Parking and/or Transit deductions taken from the November MO compute.

c) Cancellations, Overpayments, Handdrawns, One-time Deductions, Refunds, and Suspended deductions should not have any impact on the current month Parking and/or Transit Reduction Limits.

- **Employee 000000001**

This employee has a deduction of **200.25 for 401-G** (Parking), and a deduction of **100.00 for 405-G** (Transit) on the employee’s Deduction Table.

**Expected Results:** Since the Parking Reduction Limit of 175.00 for the Initial Linked GTN 401 is less than the original deduction of 200.25, the Parking Reduction Limit of 175.00 is added to GTN 401, and the 175.00 is subtracted from the original deduction of 200.25, leaving a remaining deduction-to-take of 25.25. The Parking Reduction Limit of 175.00 has been reached for Initial Linked GTN 401. Therefore, no additional deductions are allowed for GTN 401. The next linked GTN is GTN 402. Note that GTN 402 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Therefore, the remaining deduction-to-take of 25.25 is added to GTN 402.

Since the Transit Reduction Limit of 65.00 for the Initial Linked GTN 405 is less than the original deduction of 100.00, the Transit Reduction Limit of 65.00 is added to GTN 405, and the 65.00 is subtracted from the original deduction of 100.00, leaving a remaining deduction-to-take of 35.00. The Transit Reduction Limit of 65.00 has been reached for Initial Linked GTN 405. Therefore, no additional deductions are allowed for GTN
405. The next linked GTN is GTN 406. Note that GTN 406 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers); the remaining deduction-to-take of 35.00 is added to GTN 406.

A one-time deduction of 100.00 is taken for GTN 401 (Parking); this deduction does not affect the current month Parking Reduction Limit. The year-to-date balance for GTN 401 from the November MO compute was 175.00. The new year-to-date balance for GTN 401 from the December MO compute is 450.00 (November year-to-date balance of 175.00 + One-time deduction of 100.00 + current GTN 401 deduction of 175.00 = 450.00).

The December month Pretax Parking balance should be 200.25 (similar to November balance of 200.25), and Pretax Transit balance should be 100.00 (similar to November balance of 100.00) on the PPPPCM Table.

- **Employee 000050001**

  This employee had a one-time DS transaction with the amount indicator set to R. The modified version of PPEDTPDR rejected the transaction with message 36-354. See the PPP3601 report.

- **Employee 000050002**

  This employee has a deduction of **150.10 for 401-G (Parking)** on the employee’s Deduction Table.

  **Expected Results:** Since the original deduction of 150.10 is less than the Parking Reduction Limit of 175.00 for the Initial Linked GTN 401, the full original deduction of 150.10 is added to GTN 401, and the 150.10 is subtracted from the original deduction of 150.10, leaving a remaining deduction-to-take of .00. The Parking Reduction Limit of 175.00 has not been reached for Initial Linked GTN 401; the remaining Parking Reduction Limit is 24.90. The next linked GTN is GTN 402. Note that GTN 402 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is .00, the deduction-to-take for GTN 402 is zero.

  A refund deduction of 100.00 is taken for GTN 401 (Parking); this deduction does not affect the current month Parking Reduction Limit. The year-to-date balance for GTN 401 from the November MO compute was 150.10. The new year-to-date balance for GTN 401 from the December MO compute is 200.10 (November year-to-date balance of 150.10 + current GTN 401 deduction of 150.10 - refund deduction of 100.00 = 200.20).

  The December month Pretax Parking balance should be 150.10 (similar to November balance of 150.10) on the PPPPCM Table.

- **Employee 000050007**

  This employee has a deduction of **100.00 for 401-G (Parking)**, and a deduction of **175.00 for 407-G (Parking)** on the employee’s Deduction Table.

  **Expected Results:** Since the original deduction of 100.00 is less than the Parking Reduction Limit of 175.00 for the Initial Linked GTN 401, the full original deduction of 100.00 is added to GTN 401, and the 100.00 is subtracted from the original deduction of 100.00, leaving a remaining deduction-to-take of .00. The Parking Reduction Limit of 175.00 has not been reached for Initial Linked GTN 401; the remaining Parking Reduction Limit is 75.00 (175.00 – 100.00 = 75.00). The next linked GTN is GTN 402. Note that GTN 402 contains a
linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is .00, the deduction-to-take for GTN 402 is zero.

Note that a reduction of 100.00 was already taken for GTN 401, leaving a remaining Parking Reduction Limit of 75.00 for the Initial Linked GTN 407. Since the remaining Parking Reduction Limit of 75.00 for the Initial Linked GTN 407 is less than the original deduction of 175.00, the remaining Parking Reduction Limit of 75.00 is added to GTN 407, and the 75.00 is subtracted from the original deduction of 175.00, leaving a remaining deduction-to-take of 100.00. The Parking Reduction Limit of 175.00 has been reached for Initial Linked GTN 407. Therefore, no additional deductions are allowed for GTN 407. The next linked GTN is GTN 408. Note that GTN 408 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers); the remaining deduction-to-take of 100.00 is added to GTN 408.

A handrawn deduction of 100.00 is taken for GTN 401 (Parking) and a handrawn deduction of 100.00 is taken for GTN 408; these deductions do not affect the current month Parking Reduction Limits. The year-to-date balance for GTN 401 from the November MO compute was 100.00. The new year-to-date balance for GTN 401 from the December MO compute is 150.00 (November year-to-date balance of 100.00 + current GTN 401 deduction of 100.00 + handdrawn deduction of 100.00 = 300.00). The year-to-date balance for GTN 407 from the November MO compute was 75.00. The new year-to-date balance for GTN 407 from the December MO compute is 150.00 (November year-to-date balance of 75.00 + current GTN 407 deduction of 75.00 = 150.00). Note that there is no year-to-date balance for GTN 408 (year-to-date indicator on GTN table is not set for GTN 408).

The December month Pretax Parking balance should be 275.00 (similar to November balance of 275.00) on the PPPPCM Table.

- **Employee 000050027**

This employee has a deduction of **501.25 for 401-G (Parking)** on the employee’s Deduction Table.

**Expected Results:** Since the Parking Reduction Limit of 175.00 for the Initial Linked GTN 401 is less than the original deduction of 501.25, the Parking Reduction Limit of 175.00 is added to GTN 401, and the 175.00 is subtracted from the original deduction of 501.25, leaving a remaining deduction-to-take of 326.25. The Parking Reduction Limit of 175.00 has been reached for Initial Linked GTN 401. Therefore, no additional deductions are allowed for GTN 401. The next linked GTN is GTN 402. Note that GTN 402 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers); the remaining deduction-to-take of 326.25 is added to GTN 402.

A cancellation deduction of 175.00 is taken for GTN 401 (Parking) and a cancellation deduction of 326.25 is taken for GTN 402; these do not affect the current month Parking Reduction Limits. The year-to-date balance for GTN 401 from the November MO compute was 175.00. The new year-to-date balance for GTN 401 from the December MO compute is 175.00 (November year-to-date balance of 175.00 + current GTN 401 deduction of 175.00 - cancellation deduction of 175.00 = 175.00). Note that there is no year-to-date balance for GTN 402 (year-to-date indicator on GTN table is not set for GTN 402).

The December month Pretax Parking balance should be 501.25 (similar to November balance of 501.25) on the PPPPCM Table.

- **Employee 000050028**
This employee has a deduction of \textbf{150.10 for 401-G} (Parking) on the employee’s Deduction Table.

\textbf{Expected Results}: Since the original deduction of 150.10 is less than the Parking Reduction Limit of 175.00 for the Initial Linked GTN 401, the full original deduction of 150.10 is added to GTN 401, and the 150.10 is subtracted from the original deduction of 150.10, leaving a remaining deduction-to-take of .00. The Parking Reduction Limit of 175.00 has not been reached for Initial Linked GTN 401; the remaining Parking Reduction Limit is 24.90. The next linked GTN is GTN 402. Note that GTN 402 contains a linked GTN value of ‘000’ (last GTN in the group of linked GTN numbers). Since the remaining deduction-to-take is .00, the deduction-to-take for GTN 402 is zero.

An overpayment deduction of 150.10 is taken for GTN 401 (Parking); this deduction does not affect the current month Parking Reduction Limit. The year-to-date balance for GTN 401 from the November MO compute was 150.10. The new year-to-date balance for GTN 401 from the December MO compute is 150.10 (November year-to-date balance of 150.10 + current GTN 401 deduction of 150.10 - overpayment deduction of 150.10 = 150.10).

The December month Pretax Parking balance should be 150.10 (similar to November balance of 150.10) on the PPPPCM Table.

14. RUN040. Run PPP040 to perform an ID change. This confirms that the additional columns on the PPPPCM table are being properly processed by the keychange program PPKEYCHD. The PPP2501 report before and after the ID change shows the same data for data elements 0420 and 0421 for the previous ID 000000001 and the changed ID 888888881.

\begin{verbatim}
0420-6     PARK RED TAKEN      200.25
0421-7     TRAN RED TAKEN      100.00
\end{verbatim}

15. RUN250D. Run PPP250 to produce a Data Base Record Display report of the EDB. This can be used to verify YTD grosses and the pretax taken balances.

16. RUN010D. The job tests the fix for Error Report 1588. It executes PPP010 to update the VSAM CTL and PPP851 to update the DB2 PPPCAL and PPPCAD tables with year 2000 dates table. The transactions (deletes aside) are accepted and the PPP0105 report should display dates for the twelve months of 2000. They will appear ahead of any 19xx years.

17. UNLDEDB2. Unload the EDB if it is needed for a separate online environment.

18. UNLDCTL2. Unload the CTL if it is needed for a separate online environment.

19. LOADPAR. Load the online DB2 PAR. The individual PAR files can be loaded using PPP465, however an unloaded PAR has also been provided. Either run the PPP465 jobs to update the DB2 PAR or load the UDB2PAR file

\textbf{THIS COMPLETES THE BATCH TEST}
Pretax Transportation Program
Test Plan

ONLINE

The following tests assume that the DB2 EDB and CTL are as of the last Compute and the ID change.

1. Logon to CICS and access the main Applications Menu

Result: The Online Applications Main Menu screen appears.

2. Enter EGTN in NextFunc and ID 000050060 and press Enter.

Result: The EDB Entry/Miscellaneous Deductions - Central screen appears.

3. Enter GTN Number 404 in the Deduction field and any amount, and press P5 for update.

Result: The ECON screen appears with message:

08248 Tran Rej PRETAX TRANSPORTATION GTN MUST BE INITIAL LINKED GTN

This edit is performed by new program PPEG002. GTN 404 is not an initial GTN in a linked pretax group and thus is rejected for an employee deduction. GTN 404 can only be used for amounts derived by the Compute when a reduction limit is exceeded.

4. Enter PF2 twice to cancel and return to the EGTN screen. Re-enter GTN 403 with amount 120.00, and press PF5 to update.

Result: The update is successful, and message "U0007 Update process complete" is issued.

5. Enter SPCL in NextFunc, and press enter.

Result: The Special Processes Transaction Menu screen appears. This menu provides access to various ORCA and rush check functions.

6. Enter OPT1 in NextFunc and 000050010 in the ID, and press enter.

Result: The Special Processes Rush Check Opt1 Employee Data screen appears.


Result: The OPT1 Special Processes Rush Check Opt1 Earns & Deds screen appears.

8. Enter a pay transaction. Enter 401 and 0010000 in the first RF entry. Enter 403 and 0020000, and 404 and 0030000 in the first two DS transactions. Press PF5 to update.

Result: The Special Processes Rush Check Opt1 Employee Data screen appears with message "P0501 Transaction successfully processed - reports sent to printer".

Obtain the reports from the printer. Note on the PPRCAUDT1 report that the entered deductions amounts were accepted as coded. DS amounts are not processed for reduction limits. It is assumed that a knowledgeable user has correctly determined what deductions should be taken. On the Earnings Statement report the three reductions should appear under the Amount Tax Sheltered. The RCAI function can be used to verify the results on the Abeyance tables.
9. Enter PF3 until the Special Processes Special Processes Transaction Menu screen reappears. Enter OPT2 in NextFunc and ID 000050017, and press enter.

Result: The Special Processes Rush Check Opt2 Employee Data screen appears.


11. Enter a pay transaction. Enter 417 and 0020000 for the first GTN transaction. Press PF5 to update.

Result: The Special Processes Rush Check Opt2 Earns & Deds screen remains, with message:

36257  PRETAX PARKING/TRANSIT GTN MUST BE INITIAL LINKED GTN

This is the same restriction performed in EDB file maintenance.


Result: The Special Processes Rush Check Prospective Advice screen appears. This employee has two PPPDBL entries: 407 for 190.00 and 412 for 237, which is a System Parameter leading to a value of 200.00. The Projected Deductions show 407 with 175.00, the full allowed parking reduction limit. The other 15.00 is rolled over to linked GTN 408. GTN 412 does not appear because 407 already used up the full limit, so the 200.00 is rolled over to linked GTN 413. In addition to the PPPDBL entries, GTN 416 was entered for 200.00. This is a transit GTN. The Projected Deductions show 416 with 65.00, the full allowed transit reduction limit. The other 135.00 is rolled over to linked GTN 417. The 407, 416 and 417 entries also appear in the Tax-Def'd column.

13. Enter PF3 until the Special Processes Special Processes Transaction Menu screen reappears. Enter OPT3 in NextFunc and ID 000050017, and press enter.

Result: The Special Processes Rush Check Opt3 Special Gross screen appears.

14. Enter a liability FAU and a check amount. Enter 403 and 0020000, and 404 and 0030000 in the first two DS transactions. Press PF5 to update.

Result: The Special Processes Rush Check Opt3 Special Gross screen remains with message "P0501 Transaction successfully processed - reports sent to printer".

Obtain the reports from the printer. However they won't tell you much. Use the RCAI function to confirm the results of the DS transactions on the Abeyance tables. As with the OPT1 function, the entered deductions amounts were accepted as coded. DS amounts are not processed for reduction limits.

THIS COMPLETES THE ONLINE TEST