GEN2/VER. 2.3 MODEL UPDATES

Part 1 of 2: Minor Updates (added to Ver. 2.3.75)

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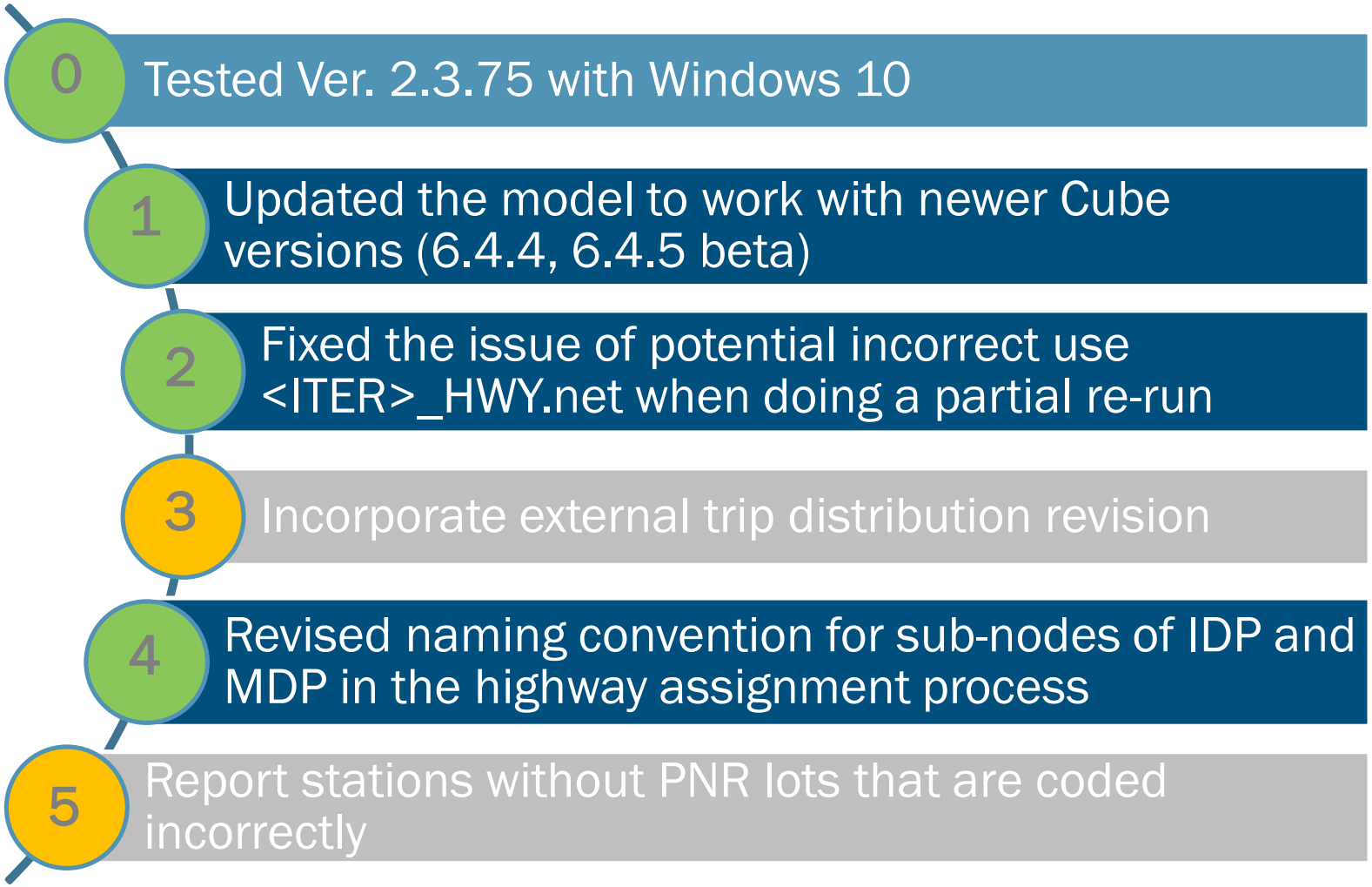
Possible Updates to the Ver. 2.3.75 Model

0. Test Ver. 2.3.75 with Windows 10
1. Update the model to work with newer Cube versions (6.4.4, 6.4.5 beta)
2. Fix the issue of potential incorrect use <ITER>_HWY.net when doing a partial re-run
3. Incorporate external trip distribution revision
4. Revise naming convention for sub-nodes of IDP and MDP in the highway assignment process
5. Report stations without PNR lots that are coded incorrectly

Updates Made to the Ver. 2.3.75 Model

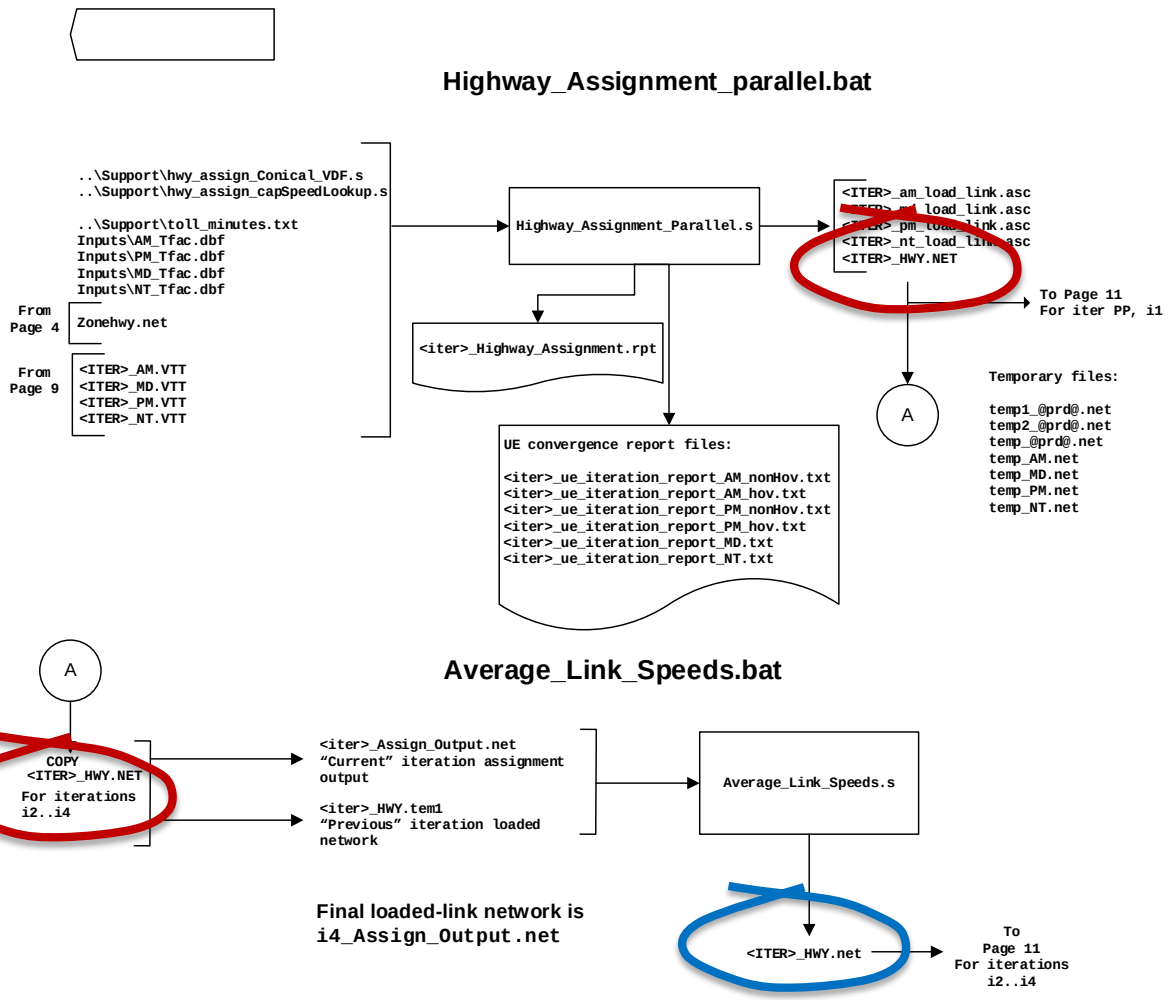


The Ver. 2.3 Model Running on Newer Cube Versions

Cube Version	ArcGIS Engine	Compatibility	Tester
Cube 6.4.1	10.3	😊	Staff
Cube 6.4.2	10.4	😐	Staff
Cube 6.4.3	10.5	😊	Citilabs
Cube 6.4.4	10.6	☹️	Staff, Citilabs
Cube 6.4.5 beta	10.6	😊	Staff, Citilabs

ArcGIS Engine ≠ ArcGIS

The Possible Incorrect Use of <ITER>_HWY.net



The Possible Incorrect Use of <ITER>_HWY.net

- **Solution:** Distinguished two <ITER>_HWY.NET files
- **Updated scripts:**
  - Average_Link_Speeds.bat
  - Highway_Skims.bat
  - Scripts/Highway_Assignment_Parallel.s
- **Model results:** No changes

Incorrect Sub-Nodes Naming Convention of IDP and MDP in the Highway Assignment

- **Note:**
  - IDP: Intrastep distributed processing
  - MDP: Multistep distributed processing
- **Issue:**
  - Some **misleading naming conventions** are used in Highway Assignment script. For example:

  MD2, MD3, and MD4 should be PM2, PM3, and PM4

Incorrect Sub-Nodes Naming Convention of IDP and MDP in the Highway Assignment

- **Solution:** Separated sub-nodes

- **Updated scripts:**
  - Highway_Assignment_Parallel.bat
  - Scripts/Highway_Assignment_Parallel.s
  - run_Model_[year].bat
- **Model results:** No changes

Conclusion

1
Model Tested

3
Updates/Fixes

NO MODEL OUTPUT CHANGE

Ver. 2.3.78

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