**1- Package Content & Revision History**

**2013 GM 6T40 Six-Speed Transmission Mapping**

The following is a listing of the contents of this Test Data Package along with the suggested citation format and revision history of the material. Use of any NCAT documents listed below, included as part of the complete test data package, should reference the suggested citation provided. Note that SAE papers included in the package should utilize the designated SAE CITATION format.

**SUGGESTED CITATION:**

*2013 GM 6T40 Transmission Mapping – Test Data Package*. Version 2019-06. Ann Arbor, MI: US EPA, National Vehicle and Fuel Emissions Laboratory, National Center for Advanced Technology, 2019.

**TEST PACKAGE CONTENTS:**

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| 1- Package Content & Revision History.docx | Brief overview document listing the contents, revision history & suggested citation format of the package |
| 2- Related NCAT Packages.docx | Listing of related NCAT Test Data and ALPHA Engine Map Packages |
| 3a- 2013 GM 6T40 Transmission – Test Report.docx | NCAT report outlining the test method and benchmarking results for mapping the transmission used to support this testing |
| 3b- 2013 GM 6T40 Final Transmission Testing Report by FEV.pdf | Final report prepared by FEV Engine Technology under EPA Contract EP-C-12-014, describing test procedures performed by FEV on the 6T40 transmission |
| 3c- 2013 GM 6T40 Final Transmission Testing Report Presentation by FEV.pdf | Final presentation prepared by FEV Engine Technology under EPA Contract EP-C-12-014, describing test procedures performed by FEV on the 6T40 transmission |
| 4a- 2013 GM 6T40 Loaded Efficiency Results (FEV) – Test Data Set.xlsx | Transmission test stand data file containing transmission efficiency as a function of gear, input speed, input load, temperature, and line pressure |
| 4b- 2013 GM 6T40 Shiftmap Data (FEV) – Test Data Set.xlsx | Vehicle data file containing vehicle speed and pedal position at transmission shift points |
| 4c- 2013 GM 6T40 Spin Loss Results (FEV) – Test Data Set.xlsx | Transmission test stand data file containing required input torque to spin transmission as a function of gear, speed, temperature, and line pressure |
| 4d- 2013 GM 6T40 Torque Converter Test Results (FEV) – Test Data Set.xlsx | Transmission test stand data file containing torque converter speed and torque ratios |
| 5- SAE Paper 2015-01-1140.pdf | SAE paper outlining the test method and test results for mapping the transmission used to support modeling |

**REVISION HISTORY:**

Version 2019-06: Modified title page layout, added citation reference on both the title page and in the supporting documents section, added reference section, added revision history and modified supporting documents file names to align with updated naming convention

Version 2016-06: Initial release