Emissions Durability Implementation Update

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U.S. Environmental Protection Agency
Office of Transportation and Air Quality
EPA-Industry Meeting
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OVERVIEW

- Durability Guidance Letter
- New Durability Webpage
- Carry-Over of Durability Procedures
- Preparation for Equivalency Factor Distribution: Proposed Fields and Format
Durability Guidance Letter

- Letter #CISD-07-05 (April 6, 2007)
- Discussed regulatory language, equivalency factor calculations and equation format, new webpage (see next slide)
- Please contact us if you do not receive a copy or have questions/concerns.
**New Durability Webpage**

- Referenced in Durability Guidance Letter
- Not available at this time
  - Development complete; under editorial review
- Should be available in approx. a week
- Web address: [www.epa.gov/otaq/regs/ld-hwy/durability](http://www.epa.gov/otaq/regs/ld-hwy/durability)
Carry-over of Durability Procedures

- CAP 2000 durability demonstrations and approvals no longer valid
- Previous data for durability demonstration can be carried-over/used for demonstrations and approvals under the new durability regulations
- For MY2009 and beyond, durability approval process should be less burdensome unless:
  - Changes are made to the durability process
  - In-use issues that call into question an existing durability process
  - Other EPA concerns
Equivalency Factor Distribution: Proposed Fields and Format

- Semi-annual posting of equivalency factors on Durability webpage each model year
  - 1\textsuperscript{st} posting: Following submittal of Part 2 certification application
    - January 1\textsuperscript{st} of the model year or 90 days from effective date of certificate
  - 2\textsuperscript{nd} posting: end of the model year (July/August timeframe)

- Coordination with industry prior to posting
Equivalency Factor Distribution: Proposed Fields and Format (cont.)

Proposed Fields
- Manufacturer Name
- Make and Model Name
- Engine Displacement and Type
- Test Group
- Durability Group
- Certified Emission Level
- Applicable Useful Life
- Equivalency Factor
- Reciprocal of Equivalency Factor or “Stringency” Factor
### Equivalency Factor Distribution: Proposed Fields and Format (cont.)

- **Proposed Format for Equivalency Factor Distribution**

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Make</th>
<th>Model</th>
<th>Engine Disp. and Type</th>
<th>Test Group</th>
<th>Durability Group</th>
<th>Emission Standard</th>
<th>Full Useful Life (FUL) mileage</th>
<th>Equivalency Factor (EF)</th>
<th>Reciprocal EF (*Stringency &quot; Factor)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crown Vehicles</td>
<td>Mitcham</td>
<td>Lunara</td>
<td>7.6 or 8.0L V-14</td>
<td>8CRWT07.6ALM 8CRWT08.0ALM</td>
<td>8ALMLSSJLW07</td>
<td>Tier 2 Bin 5</td>
<td>120,000</td>
<td>0.77</td>
<td>1.3</td>
</tr>
<tr>
<td>Domo Motors</td>
<td>Zekis</td>
<td>Rumbler</td>
<td>3.6L I-8</td>
<td>8DMXG03.63DH</td>
<td>8TMBLEPAAA1</td>
<td>Tier 2 Bin 3</td>
<td>150,000</td>
<td>0.89</td>
<td>1.12</td>
</tr>
<tr>
<td>Smoker Cars</td>
<td>Smoker</td>
<td>Burner</td>
<td>5.0L V-8 Turbo</td>
<td>8SMKR05.04JA</td>
<td>8KIKBUTTFUN21</td>
<td>Tier 2 Bin 15</td>
<td>120,000</td>
<td>0.43</td>
<td>2.3</td>
</tr>
</tbody>
</table>
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