



tractor and trailer (“integrated roof fairing”).<sup>3</sup>

3. Fairings that extend back from the sides of the cab to help maintain smooth air flow across the tractor-trailer gap (“cab side extender fairings”).
  4. Fairings that cover the side fuel tanks to help maintain smooth air flow over the fuel tanks (“side tank fairings”).
  5. Mirrors with a curved housing to help maintain smooth air flow over the mirrors (“aerodynamic mirrors”).
  6. A bumper that curves inward at the bottom and sides, to help maintain smooth air flow under and around the tractor (“aerodynamic bumper”).
  7. Low rolling resistance EPA-verified low rolling resistance tires.<sup>4</sup>
  8. Idle reduction system capable of providing eight (8) or more continuous hours of idle-free operation for the main truck engine.<sup>5</sup>
- Aluminum wheels and other light-weight components are encouraged, but not required.

## 2. Performance Requirement

- The tractor must demonstrate that it meets or exceeds the fuel efficiency performance of at least one current SmartWay-certified sleeper-cab tractor model, of any make from any manufacturer.
- To demonstrate that a tractor meets this fuel efficiency requirement, it must be tested using the Joint TMC/SAE J1321 Fuel Consumption Test Procedure Type II RP J1321, as modified by EPA (see below). No other means of vehicle evaluation is acceptable.
- The SAE J1321 test must be conducted according to EPA’s interim J1321 Test Method.
- The make and/or manufacturer need not match that of the candidate tractor. However, EPA must approve of the reference tractor / candidate tractor configurations.
- The manufacturer must have its test plan approved by EPA prior to testing.<sup>6</sup>
- The manufacturer must share raw test data, as well as other test information (test conditions, test method, test facility, comparison tractor, etc.) with EPA as part of its submission for SmartWay certification.
- EPA reserves the right to disregard tests that it judges to be invalid because the conduct of the test, or the test facilities, conditions, test equipment, or vehicles fail to meet the provisions of the test method or

<sup>3</sup> Actual trailer height from the ground to the roof of the trailer depends upon a combination of factors including trailer dimensions, fifth wheel setting, wheel and tire size, etc.

<sup>4</sup> A list of SmartWay-verified low rolling resistance tire models is available at: <http://www.epa.gov/smartway/transport/what-smartway/verified-technologies.htm#tires>

<sup>5</sup> The truck purchaser can choose the manufacturer-offered idle reduction system or an EPA-verified system. Alternatively, the purchaser can demonstrate to EPA that they have an existing policy that eliminates the need for a long duration idle reduction system (e.g. tag team drivers).

<sup>6</sup> Test plan submissions, questions, and test results can be sent to [SmartWay-tech@epamail.epa.gov](mailto:SmartWay-tech@epamail.epa.gov)

EPA’s supplemental test guidelines, or because EPA determines that the reported results are incompatible with good engineering judgment.

## 3. Licensing Requirement

- Once EPA determines that a sleeper-cab tractor model is eligible for SmartWay certification, the manufacturer must submit a request to EPA to license the model as a SmartWay-certified vehicle.
- If a truck owner wants to display an external SmartWay logo on a SmartWay-eligible sleeper-cab tractor, the truck owner must complete a separate logo request and equipment check list with EPA.

## Right of Exclusion

EPA reserves the right to withhold SmartWay certification if in its estimation the proposed truck model does not meet these design, performance, or licensing requirements.

## Further Information

- For general information about SmartWay and SmartWay-certified tractors and trailers, visit the EPA SmartWay web site at [www.epa.gov/smartway](http://www.epa.gov/smartway).
- For further information related to these interim eligibility requirements and the interim test method for SmartWay certification of sleeper-cab tractors, contact the SmartWay technical e-mail center at [SmartWay-tech@epamail.epa.gov](mailto:SmartWay-tech@epamail.epa.gov).

## Contact EPA

Interested organizations should contact SmartWay prior to testing.

To contact EPA,

- send an e-mail to: [SmartWay-tech@epa.gov](mailto:SmartWay-tech@epa.gov)
- telephone the SmartWay Transport Partnership Call Center at (734) 214-4767
- write to SmartWay Transport Partnership, US EPA, 2000 Traverwood, Ann Arbor, MI 48105.

If you have questions regarding SmartWay Certified Tractors and Trailers or SmartWay verified technologies, contact the SmartWay Technology Team at: [SmartWay-tech@epa.gov](mailto:SmartWay-tech@epa.gov).