

Checklist for Requesting Approval: Aerodynamic Devices for Use with HD Highway Trailers

General Information – Include with all requests (40 CFR 1037.211)	
	Manufacturer Code
	Manufacturer name & address
	Date of request
	Model name of aero device or package of devices
	Description of the aerodynamic device(s), including the physical principles by which it improves fuel efficiency
	State if request is for a single device or multiple devices tested as a package
	State if there are restrictions on combining this device/package with other aero devices tested separately
	Describe suitable trailer subcategories, either you may list those that are compatible (may use your device) or you may list those that are not compatible (can't use your device)
	State whether you intend to offer this device/package for sale to other trailer manufacturers. Stating no means the only manufacturer who can certify trailers using this device/package is the entity holding an EPA approval letter for this device
	List part numbers for components comprising this device/package
	Include a copy of the device installation instructions that will be provided to trailer manufacturers
	Include a copy of the maintenance instructions that will be provided to the ultimate purchaser of each new trailer, to maintain the aero device in a manner that ensures its fuel efficiency benefit will continue for 10 years. (see §1037.125 and §1037.107(c))
	Include a copy of the warranty statement for this device that will be provided to the ultimate purchaser of each new trailer (see §1037.120(b)(iii))
	Include this statement: "I certify, under penalty of law, that the information provided in this document is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."
Testing Information – Include if based on SmartWay verification (40 CFR 1037.150(u))	
	Name & address of test facility
	Copy of SmartWay verification letter
	Illustration of any necessary calculations to convert test results
	Final adjusted improvement in CdA, in m ² , to 2 decimal places

Testing Information – Include if based on Phase 2 procedures (40 CFR 1037.526)	
	Name/address of test facility
	Description of testing facility and test protocol
	Description of standard tractor and its aerodynamic performance level (§1037.501(h))
	Description of the tested trailer, both as baseline “A” and with improvements “B”
	Summary of test results including any necessary calculations
	Final adjusted improvement in CdA, in m ² , to 2 decimal places
	<p>Include a statement attesting that testing was conducted properly, such as: “The aerodynamic performance data for the device(s) described in this document are based on testing at [<i>test facility name & location</i>]. The tests were completed in accordance with methods specified in [<i>regulation & test procedure, such as 1037.530 and SAE J1252, or 1037.532 and SAE J2966, or 1037.528 and SAE J2263</i>].”</p>