

NOTES / IATE IDs	TERM	DEFINITION / EXPLANATION	SOURCE
	all-terrain vehicle	Any motorised vehicle designed to travel on four low pressure tires on unpaved surfaces, having a seat designed to be straddled by the operator and handlebars for steering control. ATVs are used for both utility purposes such as in the agricultural and forestry sectors as well as for recreational purposes and are designed to cope with a wide variety of terrain types.	http://www.atvea.org/9431E/What_are_ATVs_and_Side-by-Side_SbS_.aspx
	anhydrous ethanol	Anhydrous ethanol is one of the biofuels produced today and it is a subset of renewable energy. It is considered to be an excellent alternative clean-burning fuel to gasoline. Anhydrous ethanol is commercially produced by either catalytic hydration of ethylene or fermentation of biomass. Any biological material that has sugar, starch or cellulose can be used as biomass for producing anhydrous ethanol.	http://www.sciencedirect.com/science/article/pii/S1364032110000705
		Ethanol (C ₂ H ₅ OH), otherwise known as ethyl alcohol, alcohol, or grain spirit, is a clear, colorless, flammable oxygenated hydrocarbon with a boiling point of 78.5 degrees Celsius in the anhydrous state. In transportation, ethanol is used as a vehicle fuel by itself (E100), blended with gasoline (E85), or as a gasoline octane enhancer and oxygenate (10 percent concentration). Anhydrous ethanol means an ethyl alcohol that has a purity of at least ninety-nine percent, exclusive of added denaturants.	http://fieldtopump.wordpress.com/2009/04/22/anhydrous-ethanol-vs-hydrous-ethanol-in-gasoline-blending/
1863530	communication protocol		
	consumable fuel	any solid, liquid, or gaseous matter which releases energy when consumed by an auxiliary power unit	http://thomas.loc.gov/cgi-bin/cpquery/?&db_id=cp108&r_n=hr067.108&sel=TOC_66340&#

	durability mileage	a mileage after which the components and systems should still be able to last and the defined environmental performance be met, as well as the vehicle functional safety be ensured if the vehicle is used under normal or intended circumstances and serviced according to the manufacturer's recommendations	based on the text of the proposal
	electric power conditioning device	an electrical component designed to improve the quality of power supplied to a computer component by supplying voltage at the level that allows that component to operate properly	http://www.techopedia.com/definition/1750/power-conditioner
	enduro motorcycle	An enduro motorcycle is a motorcycle especially made for enduros, which were originally long-distance cross-country time trial competitions. Today, enduro motorcycles vary considerably according to the rules of many different competitions and challenges.	http://en.wikipedia.org/wiki/Enduro_motorcycle
Defined in the text, but see additional information under "definition".	functional safety	IEC 61508 - A basic functional safety standard applicable to all kinds of industry.	http://www.iec.ch/functionalsafety/explained/
	loading bed	see image:	http://www.alke.com/loading-bed-with-electro-hydraulic-tipping.html
	maximum contact pressure	the greatest amount of pressure exerted on the ground by the tires or tracks of a motorized vehicle, and one measure of its potential mobility	http://www.diggermats.co.uk/ground%20pressure.shtml
	mechanical coupling	A device used to connect two shafts together at their ends to transmit power. The primary purpose of couplings is to join two pieces of rotating equipment while permitting some degree of misalignment or end movement or both	http://en.wikipedia.org/wiki/Coupling
	mineral diesel = petroleum diesel	fuel produced from mineral crude oil	
	off-cycle	The term "off-cycle" relates to vehicle operation and emission behaviour which is not covered in legislative tests.	http://assets.dft.gov.uk/publications/road-vehicle-emission-factors-2009/report-1.pdf

2250278	off-cycle emissions	A significant gap exists between emission standards and what cars emit in the real world. The primary sources of these excess real-world emissions are malfunctioning emission control equipment, aggressive driving behavior, and air conditioning operation. None of these "off-cycle" emissions are captured in the regulatory test cycle.	http://www.ucsus.org/clean_vehicles/why-clean-cars/air-pollution-and-health/real-world-emissions.html
	operator intervention	Action carried out by the user. Machinery must be so designed, constructed and equipped that the need for operator intervention is limited. If operator intervention cannot be avoided, it must be possible to carry it out easily and in safety.	http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=CELEX:31998L0037:en:NOT
	person/vehicle interface	The devices that facilitate communication between the underlying processing component and the driver. This will entail information flowing both ways; the driver must be able to control (to some extent) the vehicle's processing and the vehicle must be able to present information to the driver. These flows should be comfortable and natural. The style of communication must not interfere with the driving task.	http://mapcontext.com/autocarto/proceedings/auto-carto-8/pdf/human-interface-requirements-for-vehicle-navigation-aids.pdf
	physical testing	as opposed to simulated testing; tests are actually carried out on vehicles	http://www.stanford.edu/group/WTO/cgi-bin/uploads/2012%20Lure%20of%20the%20Virtual.pdf
	roll-over protection structure	A structure is mounted to the machine frame to provide crush protection for the operator in the event of a machine rollover. The ROPS also absorbs energy during a rollover similar to the energy absorbed by crumple zones in automobiles. The requirements are force resistance in the lateral, vertical and longitudinal directions, and energy absorption in the lateral direction.	http://safety.cat.com/cda/files/2403640/7/ROPS_trifold.pdf
related: 139859, 1314829	sealed house emission determination (SHED) test	see: sealed house/housing evaporative determination test: test done in a drive-in test chamber built for the specific purpose of testing the fuel emissions of a vehicle that are not related to exhaust. It is a completely sealed chamber designed to create the conditions specified by the EPA and CARB for evaporative emissions testing. Software and analytical equipment are used to determine the level of volatile organic compounds coming from the vehicle.	http://www.etclab.com/Evaporative-Emissions-Testing.asp

	side-by-side vehicle	small motorized vehicle, with at least four wheels, with two or more seating positions intended for a variety of primarily off-road uses, including leisure and utility/work tasks, including for agriculture and forestry, and equipped with a steering wheel	http://www.atvea.org/9431E/What_are_ATVs_and_Side-by-Side_SbS_.aspx
	siloxane	A siloxane is any chemical compound composed of units of the form R ₂ SiO, where R is a hydrogen atom or a hydrocarbon group. They belong to the wider class of organosilicon compounds. The word siloxane is derived from the words silicon, oxygen, and alkane.	http://en.wikipedia.org/wiki/Siloxane
	statutory marking	All vehicles must receive a plate and markings affixed by the manufacturer or the authorised representative, featuring: <ul style="list-style-type: none"> •name of manufacturer; •type-approval mark; •vehicle identification number (VIN) consisting of a structured combination of characters (Latin letters and numerals); •stationary sound level. 	http://europa.eu/legislation_summaries/internal_market/single_market_for_goods/motor_vehicles/motor_vehicles_technical_harmonisation/mi0038_en.htm
see statutory marking above	statutory plate	Each vehicle must be fitted with a statutory plate that shall consist (at the manufacturer's discretion) either of: <ul style="list-style-type: none"> •a rectangular sheet of metal; •or a rectangular self-adhesive label. The manufacturer's statutory plate must contain certain items of information, including: <ul style="list-style-type: none"> •the manufacturer's company name; •the vehicle type-approval number; •the vehicle identification number; •the technically admissible laden masses. 	http://europa.eu/legislation_summaries/internal_market/single_market_for_goods/motor_vehicles/motor_vehicles_technical_harmonisation/mi0072_en.htm
	technical service bulletin	information issued by a manufacturer to its dealers covering topics from corrections for a typo in a service manual to detailed procedures for dealing with a specific mechanical problem	http://vmrintl.com/Ref_art/tsbs.html
	trial motorcycle	Light motorcycle that is agile and easy to handle; it is designed for all-terrain obstacle races. The goal is to clear the obstacles while keeping both feet off the ground at all times.	http://visual.merriam-webster.com/sports-games/motor-sports/motorcycling/trial-motorcycle.php

CONTEXT	SOURCE	Euramis hits
<p>ISO 11783 is a new standard for electronics communications protocol for agricultural equipment. This standard has been developed to meet the needs for electronic communication between tractor and implements, between components within tractors, within implements, and within other self-propelled agricultural machines. Support for precision farming applications have also been built into the standard. Definition and support exists for operator interfaces, and communications with an off-board management information system.</p>	<p>http://elibrary.asabe.org/data/pdf/6/ddp2002/lecture23.pdf</p>	

<p>Despite meeting more stringent regulatory standards for exhaust emissions during type approval, many vehicles equipped with selective catalytic reduction (SCR) systems have significantly elevated emissions of nitrogen oxides (NOx) during in-use driving, particularly when operating in urban traffic. In some cases, actual in-use urban emission levels may be as high as or higher than those from much older vehicles with engines certified to more lenient emission standards. These high “off-cycle” NOx emissions threaten efforts to improve ambient air quality in many European cities.</p>	<p>http://www.theicct.org/sites/default/files/publications/ICCT_WP18_urban_No_x_emissions.pdf</p>	

