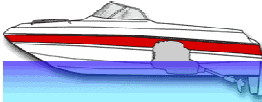
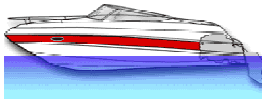






Directive 2003/44/EC amending Directive 94/25/EC relating to Recreational Craft:

Compliance matrix for noise and exhaust emission requirements

NOISE				
craft/engine combination	Craft with inboard engines 	Craft with stern drive engines  integral exhaust: without  with 	Craft with outboard engines 	Personal Watercraft 
Compliance (responsible)	craft with engine (boat manufacturer)		engine (engine manufacturer)	PWC (PWC manufacturer)
Assessment method & modules	pass-by test with craft/engine combination (EN ISO 14509) Aa, G or H		pass-by test with standard craft (EN ISO 14509) Aa, G or H	PWC pass-by test (EN ISO 14509) Aa, G or H
Alternative assessment & modules	1. Froude & Power/displacement 2. Certified Reference boat A, Aa, G or H		-	-
EXHAUST				
Compliance (responsible)	engine (engine manufacturer)			
Assessment method & modules	exhaust emissions measurement (EN ISO 8178-1:1996) B+C, B+D, B+E, B+F, G or H			
Alternative compliance methods	Type approval according to: 1. Directive 97/68/EC (non-road mobile machinery), Annex I, section 4.2.3 (stage II) 2. Directive 88/77/EC (diesel, LPG and natural gas engines used in vehicles)			
APPLICATION DATES				
01/01/2006	compression ignition (diesel) and 4-stroke spark ignition (petrol) engines			
01/01/2007	2-stroke spark ignition (petrol) engines			
CE MARKING & DECLARATION OF CONFORMITY				
CE-marking	- on craft (construction & noise) - on engine (exhaust compliance)	- on craft (for construction) - on engine (for noise & exhaust)		on PWC (construction, noise & exhaust)
DoC	- for craft (construction & noise) - for engine (exhaust compliance)	- for craft (construction) - for engine (noise & exhaust)		for PWC (construction, noise & exhaust)