

# Procedure file

Basic information	
COD - Ordinary legislative procedure (ex-codecision procedure) Regulation	2000/0262(COD) Procedure completed
Recreational craft industry: exhaust and noise emissions from boat engines (amend. Directive 94/25/EC)	
Subject 3.40.04 Shipbuilding, nautical industry 3.70.05 Marine and coastal pollution, pollution from ships, oil pollution 3.70.07 Noise pollution	

Key players			
European Parliament	Committee responsible	Rapporteur	Appointed
	<b>DELE</b> EP Delegation to Conciliation Committee		18/10/2002
		PPE-DE <a href="#">CALLANAN Martin</a>	
	Former committee responsible		
	<b>ENVI</b> Environment, Public Health, Consumer Policy		24/01/2001
		PPE-DE <a href="#">CALLANAN Martin</a>	
	<b>ENVI</b> Environment, Public Health, Consumer Policy		24/01/2001
	PPE-DE <a href="#">CALLANAN Martin</a>		
Former committee for opinion			
<b>JURI</b> Legal Affairs and Internal Market		The committee decided not to give an opinion.	
<b>ITRE</b> Industry, External Trade, Research, Energy		The committee decided not to give an opinion.	
Council of the European Union	Council configuration	Meeting	Date
	<a href="#">Competitiveness (Internal Market, Industry, Research and Space)</a>	<a href="#">2510</a>	19/05/2003
	<a href="#">Economic and Financial Affairs ECOFIN</a>	<a href="#">2480</a>	21/01/2003
	<a href="#">Agriculture and Fisheries</a>	<a href="#">2422</a>	22/04/2002
	<a href="#">Environment</a>	<a href="#">2378</a>	29/10/2001
European Commission	Commission DG	Commissioner	
	<a href="#">Internal Market, Industry, Entrepreneurship and SMEs</a>		

Key events			
12/10/2000	Legislative proposal published	COM(2000)0639	Summary
27/10/2000	Committee referral announced in		

	Parliament, 1st reading		
19/06/2001	Vote in committee, 1st reading		Summary
19/06/2001	Committee report tabled for plenary, 1st reading	<a href="#">A5-0218/2001</a>	
05/07/2001	Debate in Parliament		
05/07/2001	Decision by Parliament, 1st reading	<a href="#">T5-0395/2001</a>	Summary
31/10/2001	Modified legislative proposal published	COM(2001)0636	Summary
22/04/2002	Council position published	<a href="#">15546/2/2001</a>	Summary
30/05/2002	Committee referral announced in Parliament, 2nd reading		
10/09/2002	Vote in committee, 2nd reading		Summary
10/09/2002	Committee recommendation tabled for plenary, 2nd reading	<a href="#">A5-0288/2002</a>	
25/09/2002	Debate in Parliament		
26/09/2002	Decision by Parliament, 2nd reading	<a href="#">T5-0447/2002</a>	Summary
21/01/2003	Parliament's amendments rejected by Council		
18/02/2003	Formal meeting of Conciliation Committee		
12/03/2003	Final decision by Conciliation Committee		Summary
12/03/2003	Report tabled for plenary, 3rd reading	<a href="#">A5-0119/2003</a>	
09/04/2003	Joint text approved by Conciliation Committee co-chairs	<a href="#">3615/2003</a>	
13/05/2003	Debate in Parliament		
14/05/2003	Decision by Parliament, 3rd reading	<a href="#">T5-0208/2003</a>	Summary
19/05/2003	Decision by Council, 3rd reading		
16/06/2003	Final act signed		
16/06/2003	End of procedure in Parliament		
26/08/2003	Final act published in Official Journal		

## Technical information

Procedure reference	2000/0262(COD)
Procedure type	COD - Ordinary legislative procedure (ex-codecision procedure)
Procedure subtype	Legislation
Legislative instrument	Regulation
Legal basis	EC Treaty (after Amsterdam) EC 095
Stage reached in procedure	Procedure completed
Committee dossier	CODE/5/16827

Documentation gateway					
Legislative proposal		<a href="#">COM(2000)0639</a> , OJ C 062 27.02.2001, p. 0139 E	12/10/2000	EC	Summary
Economic and Social Committee: opinion, report		<a href="#">CES0397/2001</a> OJ C 155 29.05.2001, p. 0001	28/03/2001	ESC	
Committee report tabled for plenary, 1st reading/single reading		<a href="#">A5-0218/2001</a>	19/06/2001	EP	
Text adopted by Parliament, 1st reading/single reading		<a href="#">T5-0395/2001</a> OJ C 065 14.03.2002, p. 0175-0310 E	05/07/2001	EP	Summary
Modified legislative proposal		COM(2001)0636, OJ C 051 26.02.2002, p. 0339 E	31/10/2001	EC	Summary
Council position		<a href="#">15546/2/2001</a> OJ C 170 16.07.2002, p. 0001 E	22/04/2002	CSL	Summary
Commission communication on Council's position		<a href="#">SEC(2002)0436</a>	23/04/2002	EC	Summary
Committee recommendation tabled for plenary, 2nd reading		<a href="#">A5-0288/2002</a>	10/09/2002	EP	
Text adopted by Parliament, 2nd reading		<a href="#">T5-0447/2002</a> OJ C 273 14.11.2003, p. 0200-0267 E	26/09/2002	EP	Summary
Commission opinion on Parliament's position at 2nd reading		<a href="#">COM(2002)0602</a>	31/10/2002	EC	Summary
Report tabled for plenary by Parliament delegation to Conciliation Committee, 3rd reading		<a href="#">A5-0119/2003</a>	12/03/2003	EP	
Joint text approved by Conciliation Committee co-chairs		<a href="#">3615/2003</a>	09/04/2003	CSL/EP	
Text adopted by Parliament, 3rd reading		<a href="#">T5-0208/2003</a> OJ C 067 17.03.2004, p. 0136-0174 E	14/05/2003	EP	Summary
Follow-up document		<a href="#">COM(2007)0313</a>	11/06/2007	EC	Summary
Follow-up document		<a href="#">SEC(2007)0770</a>	11/06/2007	EC	
Follow-up document		<a href="#">SEC(2007)0819</a>	11/06/2007	EC	

Additional information	
European Commission	<a href="#">EUR-Lex</a>

Final act
<a href="#">Directive 2003/44</a> <a href="#">OJ L 214 26.08.2003, p. 0018-0035</a> Summary

## Recreational craft industry: exhaust and noise emissions from boat engines (amend. Directive 94/25/EC)

**PURPOSE:** to modify Directive 94/25/EC on the approximation of provisions of the Member States relating to recreational craft. **CONTENT:** Directive 94/25/EC is a New Approach Directive dealing with the design and construction of recreational craft. It became fully operational in June 1998, after a 4-year transition period. The purpose of the proposed amendment to this Directive is to include harmonised provisions on

exhaust and noise emissions from engines intended to be installed on recreational craft. The proposed Directive lays down limits: - for exhaust emissions of carbon monoxide, hydrocarbons, nitrogen oxides and particulate pollutants, with different limits depending on engine rated power for 2-stroke spark-ignition, 4-stroke spark-ignition and compression-ignition engines; - for noise emissions for the boat/engine installation, depending on power rating and the type of engine and its installation (e.g. inboard/stern drive, outboard drive, personal watercraft, single or multiple engine installations). Against this background, the main justification for this proposed Directive is the fact that environment and industrial policies are both important pillars for the achievement of sustainable development and increased interrelation between these policies will promote environmental protection, competitiveness, innovation and employment. Moreover, the aim of the proposed modification is to: - contribute to the smooth functioning of the internal market; - promote harmonised Community legislation to regulate exhaust and noise emission of recreational marine engines and avoid fragmentation and possible barriers of trade; - protect human health, the well-being of citizens and the environment by reducing exhaust and noise emissions of petrol and diesel engines intended for recreational craft and personal watercraft. The legal basis of the proposed Directive is Article 95 of the Treaty. The objectives of the proposed modification aims to ensure the free movement of products within the Community and to protect the health and well-being of citizens and the environment. Discrepancies in the national regulations to control exhaust and noise emissions of recreational marine engines could lead to barriers to trade and infringe on the free movement of products, which is the exclusive competence of the Commission. Finally, the proposed measure is a shared competence with the Member States of the EU.?

## Recreational craft industry: exhaust and noise emissions from boat engines (amend. Directive 94/25/EC)

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The committee adopted the report by Martin CALLANAN (EPP-ED, UK) amending the proposal under the codecision procedure (1st reading). The committee was particularly concerned by the scope of the proposed legislation and the potential repercussions for SMEs in the sector as well as for private boat manufacturers. It pointed out that if, as proposed, the directive were to apply to all new craft and existing craft being upgraded with larger engines, this would incur exorbitant costs, which would have to be borne by individuals or smaller boat manufacturers. This applied in particular to craft of a pre-1950 design or where the engine pre-dated 1960. The committee stressed that these boats represented an integral part of Europe's inland waterways heritage as well as a thriving industry and therefore recommended that the directive should only apply to craft and to stern drive or inboard propulsion engines first put into service after it had entered into force. Furthermore it was considered inappropriate that craft built for personal use should be included in the scope of the directive as this would not contribute to market harmonisation and would entail unwarranted compliance costs for the individual boating enthusiast. Other amendments adopted by the committee clarified the provisions relating to a system of in-use compliance testing, specifying that it should be the subject of a proposal, and provided for stern drive engines to be treated in the same way as outboard engines. The committee also adopted a large number of technical amendments.?

## Recreational craft industry: exhaust and noise emissions from boat engines (amend. Directive 94/25/EC)

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The European Parliament adopted the report by Mr Martin Callanan (EPP-ED, UK). A majority backed the view of the rapporteur regarding the scope of the Directive and adopted amendments accordingly. Among the technical amendments adopted, one seeks to impose stricter limit values for exhaust gases on recreational craft using lakes. It was argued that lakes, as standing waters, were particularly vulnerable and that they might be used as a source of drinking water. Parliament also called on Member States to consider promoting the use of biodegradable fuels at national level as a way of drastically reducing the pollution of water by lubrication oils.?

## Recreational craft industry: exhaust and noise emissions from boat engines (amend. Directive 94/25/EC)

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Other than those amendments which simply add clarity to the text, the main amendments which the Commission feels able to accept in full can be summarised as follows: - Provisions for the simplification of noise testing procedures. This amendment introduces an alternative method to demonstrate compliance with the noise provisions, thereby alleviating the compliance cost for small boat builders producing low speed craft. - Changes concerning the distinction of stern drive engines into two categories. - Deletion of the obligation to place a CE mark on personal watercraft engines. Given that these engine form an integral part of the final product, the Commission agrees with the Parliament that it is sufficient to affix the CE mark to the personal watercraft. Those amendments accepted in part or in principle can be summarised as follows: - In terms of exempting craft built for own use from the noise requirements, the Commission can accept this, with the following qualification; "craft built for own use, provided that they are not subsequently placed on the Community market during a period of five years". - Engines subjected to a major overhaul should fall under the scope of the Directive with regard to exhaust emissions when "first placed on the market and/or put into service after the date of entry into force of the present Directive." - Similarly, in terms of noise emissions the Commission accepts in principle the clarification that the proposed Directive applies to products "first placed on the market and/or put into service after the date of entry into force of the present Directive." - The Commission can accept in principle the introduction of a distinction for stern drive engines into two categories, namely those with integral exhaust and those without integral exhaust. - The introduction of a distinction between replacement of the engine, major modification of an engine and major conversion of a craft. Those amendments rejected by the Commission can be summarised as follows: - Deletion of the provisions relating to comitology. The Commission continues to aim for a regulatory Committee to advise the Commission on measures relating to the modification of technical provisions. - The exclusion of steam powered craft from the Directive. - The exemption of engines on craft built for own use from the relevant exhaust emission requirements. The Commission points out that exhaust emission is the responsibility of the engine manufacturer. - A more generic definition of classic engines is rejected by the Commission on the grounds that it is contrary to the intention of the initial proposal to exempt vintage engines of a unique design and fitted to a historical craft only. - The application of more stringent limits in specific inland waters at national level is rejected since this falls under Member State legislation. - More stringent emission limits for ecologically sensitivewaters is rejected. - An amendment requiring ignition protected equipment to refer to petrol engines only. - An amendment seeking the exemption for manufacturers of stern drive engines with integral exhausts from affixing the CE mark. - An amendment introducing changes to the definition of boat design category D is rejected. -

Removing the allowance of 3dB for twin engines and multiple engine units is similarly rejected on the grounds that the limits foreseen are thought to be technologically achievable for single engine boats.?

## Recreational craft industry: exhaust and noise emissions from boat engines (amend. Directive 94/25/EC)

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The Common position maintains the approach proposed by the Commission, but takes on board some of the 42 amendments adopted by the European Parliament. Some of those amendments had also already been accepted by the Commission in its modified proposal. This approach is justified, because some modifications are of a technical nature or intended to clarify certain issues related to Directive 94/25/EC. Others deal with exhaust gas and noise emissions but for example aim to avoid unnecessary restrictions on boats intended for personal use and not put on the Community market. In some cases, provisions have been clarified in order to take account of the latest technical developments. The Commission is pleased to note that the Common Position adopted by the Council satisfies to a large extent the intention of the Commission's proposal to regulate exhaust and noise emissions from engines on recreational craft and offers very good technical solutions. The Common Position introduces the following important innovations to the original Commission proposal: - exception for craft built for own use : an exception for noise emissions regarding craft built for own use and not put on the Community market simplifies issues and avoids high costs for individuals who should not face an unnecessary burden; - definition of Boat Design Category D : this sub-paragraph includes an amended definition of Boat Design Category D, as suggested by the Task Force which has been convened by the Commission; - provisions on fire fighting equipment : the harmonised provisions on fire fighting equipment have been strengthened and clarified; - simplification of noise testing for SMEs : in order to ease the burden for SMEs, the reference boat procedure and the relevant noise tests have been complemented by the alternative of applying simple limit values; - more detailed list of possible items to be included in the Commission's report : the subject of constantly improving EU legislation in order to further reduce emissions and increase environmental protection has been strengthened by inserting detailed points for consideration in the report to be presented by the Commission to the Council and to the European Parliament.?

## Recreational craft industry: exhaust and noise emissions from boat engines (amend. Directive 94/25/EC)

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The Commission delivers a favourable opinion on the Common Position and notes that the Council has reached unanimity on this dossier. The Commission made two statements when the Council reached a political agreement on this proposal concerning conformity assessment procedures on the construction of personal watercraft and concerning a possible further stage of limit values in Article 2. These statements are also in line with its position at the European Parliament. In addition, the Commission has a reservation on the text on the 3 dB allowance for twin and multiple engines in Annex I, part C, item 1.1. A statement by the Commission was attached to the minutes of the Council to this respect. The reasons of the Commission's position are included in the Council minutes. Furthermore, the Commission and the Council issued a joint declaration undertaking to find a solution concerning boat design category D before the final adoption of the proposed legislation. In response to this undertaking, the Commission can accept the solution adopted by the Council which is also in line with the substance of the EP amendment.?

## Recreational craft industry: exhaust and noise emissions from boat engines (amend. Directive 94/25/EC)

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The committee adopted the report by Martin CALLANAN (EPP-ED, UK) amending the common position under the second reading of the codecision procedure. It reinstated, wholly or in part, a number of amendments adopted by Parliament at first reading, calling for: - steam-powered craft to be excluded from the directive; - engines on craft built for own use to be exempted from the relevant exhaust emission requirements; - the application of more stringent limit values for exhaust emissions in specific inland waters; - the possibility for Member States to lay down stricter rules for inland waters in the interests of environmental protection and drinking water quality; - Member States to consider promoting the use of synthetic biodegradable lubrication oils at national level as a way of reducing water pollution by recreational craft; - the Commission to submit a proposal within 2 years on a system of in-use compliance testing. On comitology, the committee restated Parliament's opposition to a regulatory committee to advise the Commission on modifications to certain technical provisions, arguing that it undermined Parliament and Council's original right to adopt certain limit values under the codecision procedure. Other amendments called for the minimum 3dB noise allowance to apply to twin-engine and multiple engine units of all engine types, rather than simply to such units consisting of outboard engines or stern-drive engines with integral exhaust, as specified in the common position. The committee pointed out that this allowance had nothing to do with exhaust noise and that fitting better exhaust systems would not negate the need for a minimum engine noise allowance, which should therefore apply to all engine types. Lastly, the committee wanted to introduce a temporary derogation to exhaust emission requirements for small manufacturers (producing fewer than 5000 engines per year worldwide), to give them more time to adjust to the new provisions. ?

## Recreational craft industry: exhaust and noise emissions from boat engines (amend. Directive 94/25/EC)

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The European Parliament adopted a resolution drafted by Martin CALLANAN (EPP-ED, United Kingdom) on recreational craft. (Please refer to the document dated 10/09/02.) Parliament also inserted a clause to the effect that, in the context of in-use compliance testing, Member States' competent authorities may, in the case of justified suspicion, inspect a representative proportion of craft placed on the market to verify whether emission limit values are being complied with. Such in-use compliance testing will be free of charge.?

## Recreational craft industry: exhaust and noise emissions from boat engines (amend. Directive 94/25/EC)

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The amendments accepted by the Commission concern those which : - provide editorial consistency with the terminology used elsewhere in the Common Position concerning "placing on the market and/or putting into service"; - refer to the 3dB allowance for noise limits is accepted as it re-instates the original provision in the Commission's original proposal concerning the application of this allowance to all types of engines. Those amendments rejected by the Commission concern in particular those which : - seek to exclude craft 'for own use' undergoing major craft conversion from the noise emission requirements; - call for the introduction of national support policies to encourage the use of synthetic biodegradable lubrication oils and for the introduction of EU measures during the review of the Directive. The issue of encouraging more environment-friendly techniques has been acknowledged in substance and taken up in more detailed and all encompassing Article 2; - require the deletion of the provisions relating to comitology and are, therefore, contrary to the principles of the Council Decision of 28 June 1999 laying down the procedures for the exercise of implementing powers conferred on the Commission (1999/468/EC); - need to exclude steam powered craft from the scope of the design and construction requirements of the Directive; - seek to exempt engines on craft built for own use from the relevant exhaust emission requirements; - seek to limit the scope of recreational craft that can make use of the alternative method to demonstrate compliance with the noise emission requirements and would be consistent with the rest of the proposal; - seek to change the timing and the scope of the future work to be undertaken by the Commission to further reduce emissions and review the boat design categories.?

## Recreational craft industry: exhaust and noise emissions from boat engines (amend. Directive 94/25/EC)

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Following a series of trilogues, the Conciliation Committee reached agreement on the draft directive. The compromise package was as follows: - seven amendments were accepted by the Council without modification relating to the scope of the directive, the use of synthetic biodegradable lubrication oils, transitional arrangements or sound measurement tests; - on comitology, agreement was based on a new text which includes a list of issues to be dealt with, as well as a negative list of issues which should not be dealt with by the executive committee; the latter includes the revision of the Froude and P/D ratio values; - the exclusion of steam powered craft with regard to design and construction; - replica diesel engines installed in craft built for own use will be exempt from the exhaust and noise emission requirements; - there will be a minimum 3dB noise allowance for all engine types; - the Commission will submit a report on the possibilities of further improving the environmental characteristics of engines and will consider the need to revise the boat design categories; - Parliament dropped its demand for a specific provision creating a system of in-use compliance; - finally, the dates for transposition and implementation were postponed by one year to take account of the time taken by the legislative procedure. ?

## Recreational craft industry: exhaust and noise emissions from boat engines (amend. Directive 94/25/EC)

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The European Parliament adopted a resolution approving the joint text agreed by the conciliation committee. (Please see the summary dated 12/03/03.)?

## Recreational craft industry: exhaust and noise emissions from boat engines (amend. Directive 94/25/EC)

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**PURPOSE :** to harmonise provisions on exhaust and noise emissions from engines intended to be installed on recreational craft.  
**COMMUNITY MEASURE :** Directive 2003/44/EC of the European Parliament and of the Council amending directive 94/25/EC on the approximation of the laws, regulations and administrative provisions of the Member States relating to recreational craft. **CONTENT :** Certain developments since the adoption of Directive 94/25/ have made it necessary to amend that Directive. The propulsion engines on recreational craft and personal watercraft produce exhaust emissions of carbon monoxide (CO), hydrocarbons (HC), nitrogen oxides (NOx), noise emissions and particle emissions which affect both human health and the environment. Exhaust emissions produced by the engines of such recreational craft and personal watercraft and noise emissions produced by such craft are also not covered by Directive 94/25/EC. However, there are laws in force in some Member States limiting noise and exhaust emissions from recreational craft and engines in order to protect human health, the environment and, where appropriate, domestic animal health. Those measures differ and are likely to affect the free movement of such products and constitute barriers to trade within the Community. This Directive harmonises national laws in order to abolish such barriers to trade and unfair competition found in the internal market: -the provisions on exhaust and noise emissions laid down in this Directive apply to all engines, whether inboard, outboard or stern drive with or without integral exhaust, and to personal watercraft; -engines undergoing major modifications are included as regards exhaust emissions; -craft with stern drive engines without integral exhausts or inboard propulsion engine installations undergoing major craft conversion are included as regards noise emissions when placed on the Community market within five years following conversion; -maximum authorised levels are laid down for exhaust emissions of carbon monoxide (CO), hydrocarbons (HC), nitrogen oxide (NOx) and particulate pollutants; -as far as noise emissions are concerned, the maximum levels are broken down as a function of the power of such engines and the number and type of engines on board; -Member States should consider introducing national support measures to encourage the use of synthetic biodegradable lubrication oils to reduce water pollution by recreational craft. The introduction of measures at Community level will be considered during the review of this Directive; -the data certifying conformity to noise and engine emissions must always accompany the recreational craft. Conformity assessment procedures are adopted to ensure the necessary level of protection. The manufacturer must ensure that the products covered by this Directive comply with relevant essential requirements, when they are placed on the market and/or put into service. -as far as exhaust emissions are concerned, all types of engines must bear the CE mark affixed by the manufacturer. There is a prescribed list of exceptions. -as far as noise emissions are concerned, only outboard engines and stern drive engines with integral exhaust must bear the CE mark affixed by the manufacturer; -to ensure the safe use of recreational craft, the Directive clarifies a number of technical issues relating to the essential construction requirements of recreational craft concerning the boat design categories, the maximum recommended load, the craft identification number, the fuel tanks, the fire fighting equipment and the

discharge prevention. -there are transitional arrangement enabling certain products complying with the national rules in force on the date of entry into force of this Directive to be placed on the market and/or put into service, DATE OF TRANSPOSITION : 30/06/04. DATE APPLICABLE : 01/01/05.?

## Recreational craft industry: exhaust and noise emissions from boat engines (amend. Directive 94/25/EC)

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Requirements for the design and construction of recreation craft are set out in the Recreational and Craft Directive (RCD), as amended in 2003. The 2003 amendment sets out harmonised limits for exhaust and noise emission. Under the terms of the Directive the Commission is required to submit a report, by end 2006, considering whether or not firstly, to further improve the environmental characteristics of engines and secondly, to consider the need to revise the boat design categories. The following points require particular attention: the need to further reduce emissions of air pollutants and noise; the possible benefits of a system for 'in-use compliance?'; cost efficient techniques for controlling emissions; reducing evaporation and fuel spillage; international standards for exhaust and noise emissions; and the possible simplification of the conformity assessment procedures.

In line with the general objectives of the Better Regulation Action Plan and the Community's guidelines on Impact Assessments, the report seeks to identify the most suitable policy options prior to submitting legislative proposals. Before preparing this Communications the Commission undertook: a stocktaking study; an impact assessment study; a series of stakeholder consultations; and dialogue within EU-US Trans-Atlantic Business Dialogue.

Reducing emissions further: based on the stocktaking study, the Commission concludes that the recreational boating sector does not contribute significantly to overall air pollution. The study did, however, identify areas for improvement. For example, changing from two-stroke technology to direct injection and four-stroke technology. Any changes would, however have a social impact in terms of lost jobs (13-15 jobs lost for each kiloton annual pollution reduction). On the other hand, from a monetary valuation point of view, the damage avoided by reducing emissions could amount to between EUR 2500 and EUR 8200 for each ton of NO<sub>x</sub> emissions avoided per year and between EUR 13 000 and EUR 51 000 for each ton of PT emissions avoided per year. The figures suggest that compliance cost for emission reduction does not outweigh the monetary environmental benefits ? and as such should be an incentive to strive for higher emission reductions.

To achieve further emission reductions, the Commission first intends to consider the technology and emission rules applied in other parts of the world and the US in particular. Any new measure would have to accompanied with provisions that provide an optimum balance between maximum emission reductions and minimal social costs.

More time and study is needed to fully asses the impact of minimising the effect of motorised recreation craft on climate change. The effect of such a policy on SME's would also have to be taken into account. The Commission, therefore, proposes that it will prepare a complementary impact assessment study in close consultation with all stakeholders and report back to the European Parliament and Council at a later stage, with a view to establishing whether proposing legislative measures is appropriate.

Reducing noise emissions further: given that it is not always technologically feasible to reduce noise emissions further, the study concludes that noise abatement in environmentally sensitive areas should be achieved by other means ? such as operational measures regulating the use of such craft.

A system for 'in-use compliance?': the 'in-use compliance?' system would be used to verify the durability of an engine. However, the report concludes that in view of the limited environmental benefits of such a system and in view of the technical and logistical difficulties associated with it, it would not be appropriate to submit a legislative proposal for recreational craft.

Cost efficient techniques for controlling emissions: emission control technology that goes beyond the calibration of existing engine components may be possible ? but at a considerable cost. After-treatment technology, in particular, using oxidation catalysts is being developed and tested for its reliability. It may prove to be an effective and efficient technique to maximise the emission reduction potential of marine recreational craft.

Reducing evaporation and fuel spillage: fuel spillage occurs mainly when crafts are being refuelled with jerry-cans. This problem has to be addressed locally and in line with the subsidiary principle. The Commission, therefore, concludes that it is up to the Member States to decide on operational measures, if needed, to reduce pollution caused by spillage.

Agreeing international standards for exhaust and noise emissions: substantial progress has been made on international standards for noise emission testing based on the EU funded 'Soundboat?' research projects This will allow for an alternative and more cost effective methodology for noise emission compliance testing within the context of ISO standard 14509. As this standard has already been referred to in the RCD, there is no need for further legislation.

Simplification of conformity assessment procedures: the Commission is of the view that simplifying the system of conformity assessment procedures should be dealt with in a wider context and should await the outcome of the inter-institutional discussions on the Commission proposal to review the principles governing the New Approach legislation.

Boat design categories: as far as revising the criteria of boat design is concerned the report concludes that there is no strong evidence to suggest that the overall safety of recreational craft needs to be improved through changing current categories or by adding new ones.

Conclusion: the Commission states that it intends to explore further the possibility of maximising the potential to reduce recreational craft emissions further still. This requires an impact assessment on the application of the most stringent, technology driven emission limits for recreational craft engines and what impact this would have, not on only the climate, but on the competitiveness of European industry as well. Depending on the results of this assessment the Commission may consider the tabling of appropriate proposals at a later stage.