Gui	deline Ar.1-01 CLAP FORM N°Z001 Version : 1					
Directive	Directive 87/404/EEC					
۸d	Directive references: Article 1					
Subject:	Permanent of removal fittings					
Question:	Do vessels with permanent or removable fittings fall within the scope of Directive 87/404/EEC?					
Answer:	 Withdrawn in August 1998 1) Vessels with permanent or removable fittings fall within the scope of the Directive in as far as the fittings do not cause additional stresses nor corrosion problems impairing the safety of the vessels and do not render the inspection of the inside impossible. When the volume is calculated for the purpose of determining the risk potential, the volume taken up by the permanent fittings may be subtracted from the volume of the vessel; by the removable fittings may not be subtracted from the volume of the vessel. Reasons b1) No fundamental restrictions are placed on fittings by the Directive's requirements. b2) Permanent fittings are incompressible and therefore lessen the risk potential by reducing the volume. With removable fittings there is no guarantee that the vessel will be always operated using these fittings. 					

Gui	deline Ar.1-02 CLAP	FORM N°Z002
		Version : 1
Directive	87/404/EEC	
	Directive references: Article 1	
Ad	opted by WPG: Novembre 1993 Adopted by CLAP: Novembre 19	993
Subject:	Fillers	
	De vessele centaining fillers intended for the treatment of air or nitrogen fall	within the second
Question:	Do vessels containing fillers intended for the treatment of air or nitrogen fall (Article 1) of Directive 87/404/EEC?	within the scope
Answer:	 If the vessels are intended to contain air or nitrogen and the fillers in the a) serve to treat air or nitrogen, b) do not attack the vessel wall and c) guarantee safe operation in conjunction with the transport medium, the v these fillers can be treated as simple pressure vessels. When the volume is calculated for the purpose of determining the risk pot taken up by the fillers may not be subtracted from the volume of the vessel. Reasons b) No fundamental restrictions are placed on fillers provided all of the Dire are satisfied. b2) It is not always possible to assume that these vessels will be used only volume of filler(s). 	essels containing tential, the volume ctive's requirements

Gui	deline Ar.1-	O3 CLAF	FORM N°Z003
			Version : 1
Directive	87/404/EEC		
	Directive reference	es: Article 1	
Ade	opted by WPG: November 1	993 Adopted by CLAF	P: November 1993
Subject:	Liquid media		
Question:	Do vessels in which the transp the scope (Article 1) of Directiv		n also includes other media fall within
Answer:	 2) the vessel is intender suspended regardless of their vessels including these other be treated as simple pressure Reasons See record of the Commission to air/oil separators "Vessels 	ed to contain air or nitro possible percentages by vo media in the transport med vessels.	dium (for example oil separators) <u>should</u> 25.5.1992, item 7. This states, in relation ing oil or water from compressed air or vessel definition were considered to be

Gui	deline Ar.1-04 CLAP FORM N°Z004			
L	Version : 1			
Directive	87/404/EEC			
	Directive references: Article 1			
Ad	opted by WPG: November 1993 Adopted by CLAP: November 1993			
Subject:	Multi chamber vessels			
Question:	Under what conditions do multi-chamber vessels fall within the scope (Article 1) of Directive 87/404/EEC?			
Answer:	Multi-chamber vessels fall within the scope of the Directive if			
	 each separate chamber can be regarded as a simple pressure vessel (i.e. the dividing walls may only be flat), the sum of the products of the pressure and capacity of all vessel chambers PS.V is no greater than 10 000 bar.litre, 			
	3) the conformity assessment procedure is based on the sum of the products of the pressure and capacity of all vessel chambers, and			
	4) the design of the vessel as a whole corresponds to the chamber with the highest class of requirements.			
	Reasons b1) It has been agreed during Council discussions (24.06.1987). b2) The risk potential does not exceed 10 000 bar.litre. b3) Account is to be taken of the risk potential of all chambers in the event of failure. b4) In order to avoid unnecessary interfaces, it is advisable for the vessel as a whole to comply with the highest class of requirements (for classification see EN 286-1).			

					005
				Version :	1
4/EEC					
Directiv	e references: A	rticle 1			
y WPG: No	vember 1993	Adopted by CLAP	: November 1	993	
ended vessel	S				
in open-ende ve 87/404/EE	d vessel (see drav C?	wing for an example)	fall within the sc	cope (Article 1) of	
en-ended ves	sel does not fall w	ithin the scope of the	Directive.		
	in Article 1 that a	vessel must have tw	o ends.		
		T			
	Оре	n-ended vessel (air dr	yer)		
	y WPG: No ended vessels an open-ende ve 87/404/EE en-ended vess	Directive references: A y WPG: November 1993 ended vessels an open-ended vessel (see draw ve 87/404/EEC? en-ended vessel does not fall w ns rective states in Article 1 that a	Directive references: Article 1 y WPG: November 1993 Adopted by CLAP ended vessels an open-ended vessel (see drawing for an example) we 87/404/EEC? en-ended vessel does not fall within the scope of the ns rective states in Article 1 that a vessel must have tw	Directive references: Article 1	AFEC Directive references: Article 1 y WPG: November 1993 Adopted by CLAP: November 1993 anded vessels anded vessels an open-ended vessel (see drawing for an example) fall within the scope (Article 1) of we 87/404/EEC? an-ended vessel does not fall within the scope of the Directive. Ins rective states in Article 1 that a vessel must have two ends.

Gui	deline Ar.1-06 CLAP FORM N°Z006
Directive	87/404/EEC
	Directive references: Article 1
Ado	opted by WPG: November 1993 Adopted by CLAP: November 1993
Subject:	Vessels for the purpose of heating or cooling
Question:	Does a vessel for the purpose of heating or cooling fall within the scope of Directive 87/404/EEC?
Answer:	A vessel for the purpose of heating or cooling does not fall in the scope of the Directive. Reasons 1. The Directive applies to simple pressure vessels which implies also a simple geometry for these vessels. 2. Possible thermal stresses are not considered by the Directive. 3. In many cases - the vessels are equipped with heating pipes subject to external pressure which is not in the scope of the Directive; - the vessels are also operated with fluids other than air or nitrogen; - other materials than those permitted by Directive are applied.

Gui	deline Ar.1-07 CLAP FORM N°Z007 Version : 1
Directive	87/404/EEC
	Directive references: Article 1
Ad	opted by WPG: November 1993 Adopted by CLAP: November 1993
Subjet:	Cold regenerated dryers
Question:	Under what conditions do cold-regenerated dryers fall within the scope (Article 1) of Directive 87/404/EEC?
Answer:	Cold-regenerated dryers raise several questions, e.g. permanent fittings, fillers and liquid media; the interpretation of these items is given in separate guidance sheets. The dryer can be treated as a simple pressure vessel if the answers to all these questions permit such a classification.
	Reasons See the reasons given with regard to the relevant problems.

Gui	ideline Ar.1-08 CLAP FORM N°Z008 Version : 1
Directive	e 87/404/EEC
	Directive references: Article 1
Ad	dopted by WPG: November 1993 Adopted by CLAP: November 1993
Subjet:	Heat-regenerated dryers
Question:	Under what conditions do heat-regenerated dryers fall within the scope (Article 1) of Directive 87/404/EEC?
Answer:	Heat-regenerated dryers raise several questions, e.g. permanent fittings, fillers, liquid media, vessels with heating tubes plus the question of additional stresses. The interpretation of these items is given in separate guidance sheets. The dryers can only be treated as simple pressure vessels if the answers to all these questions permit such a classification. Reasons See the reasons with regard to the relevant problems.

Gui	deline Ar.1-09 CLAP	FORM N°Z009
		Version : 1
Directive	87/404/EEC	
	Directive references: Article 1	
Ad	opted by WPG: November 1993 Adopted by CLAP: November 19	993
Subjet:	Length/width ratio, ratio of branch diameter to cylinder diameter and ratio of opening to cylinder diameter	flat bottom end
Question:	Do the ratios referred to above play a part when classifying a pressure vess in accordance with Article 1 of Directive 87/404/EEC?	sel as a simple vessel
Answer:	Vessels are classified as simple pressure vessels if the ratios in question do complex calculation methods and/or complex compensating measures. The the solutions given by the harmonised standard conform to this principle an with respect to "simple" constructions. Reasons Although the directive says nothing about these ratios, it applies to simple p thus also to simple processes, e.g. for calculation purposes.	ere is a consensus that d provide a good guide

	deline Ar.1-10 CLAP FORM N°Z010 Version : 1 Version : 1
	Directive references: Article 1
Ade	opted by WPG: Novembre 1993 Adopted by CLAP: Novembre 1993
Subjet:	Check list
Question:	Is there a simple means of determining whether a vessel is a simple pressure vessel within the meaning of Directive 87/404/EEC?
Answer:	It is possible to determine whether a vessel is a simple pressure vessel by reference to the following check list: Simple pressure vessel criteria Conforms to directive Yes No (i) Geometry of vessel simple: (ii) Material of construction: (iii) Contents (air/nitrogen): (iv) Internal pressure greater than 0.5 bar: (v) Internal pressure not exceeding 30 bar: (v) Internal pressure not exceeding 10 000 bar.litres (vii) Operating temperature: (-50°C to 300°C for steel) (-50°C to 100°C for aluminium) (viii) Manufactured in series: (x) All risks covered by Directive: Description of any item which requires clarification Conclusion Vessel may be considered as a simple pressure vessel yes/no Reasons The criteria set out in the check list are those given in the directive.

Gui	deline Ar.1-11 CLAP FORM N°Z011 Version : 1
Directive	87/404/EEC
Ad	Directive references: Article 1
Subject:	Vessels consisting of two outwardly vaulted bottoms connected by beaded welding seam
Subject.	Vessels consisting of two outwardly valited bottoms connected by beaded weiding seam
Question:	Does a vessel consisting of two outwardly vaulted bottoms connected by a beaded welding seam fall within the scope of Directive 87/404/EEC?
Answer:	Such vessels fall within the scope of the Directive. However, particular attention must be paid to the requirements related to - vessel design (Annex I, point 2, last paragraph); - preparation of component parts (Annex I, point 3.1). Reason The Directive does not exclude such vessels.

Gui	deline Ar.1-12 CLAP	FORM N°Z012
L		Version : 1
Directive	87/404/EEC	
	Directive references: Article 1	
Ad	opted by WPG: June 1997 Adopted by CLAP: June 1997	
Subjet:	Vessels with locally embossed zones in dished ends	
Question:	Do vessels with ends of this nature fall within the scope of Directive 87/404	?
Answer:	Vessels of this nature fall within the scope of the Directive - if the embossed zones are locally delimited, - if conformity in operational loading conditions is proved. Reasons The Directive does not exclude vessels of this nature.	

Gui	deline Ar.1-13 CLAP FORM N°Z013 Version : 1
Directive	87/404/EEC
	Directive references: Article 1
Ad	opted by WPG: June 1997 Adopted by CLAP: June 1997
Subjet:	Vessels with flange and flat cover
Question:	Is the vessel shown a simple pressure vessel?
Answer:	The vessel shown is a simple pressure vessel. Reasons The vessel is made of a cylinder with an outwardly dished end and a flat end. The corresponding manufactured model is already being produced by several manufacturers in Europe as a simple pressure vessel. Fond plat - flat cover Flacher Boden Vis écrous - screw bolts Mutterschrauben Bride - Flange Flansch

Gui	deline Ar.11-01 CLAP FORM N°Z014
	Version : 1
Directive	87/404/EEC
	Directive references: Article 1
۵ I	
	opted by WPG: November 1993 Adopted by CLAP: November 1993
Subjet:	Maximum working pressure
Question:	Article 11(3) of the Directive requires a pneumatic test at a pressure Ph equal to 1.5 times the design pressure. EN 286-1 (ratified 1991, title published in O.J. C 104, 24.04.92, p. 4) requires a pneumatic test at a pressure Ph equal to 1.5 times the maximum working pressure. Does the pneumatic test in accordance with EN 286-1 (1991) satisfy the requirements of the Directive?
Answer:	Withdrawn in August 1998
	The pneumatic test in accordance with EN 286-1 (1991) at a pressure equal to 1.5 times the maximum working pressure satisfies the Directive which requires a pneumatic test at a pressure equal to 1.5 times the design pressure.
	Reasons EN 286-1 permits vessels to be designed with two different design pressures P: 1) Cylindrical shell ring: $P = 1.0 PS$ or $P = 1.25 PS$ 2) Ends: $P = 1.0 PS$ So as not to exceed the yield strength during the pneumatic test, it is necessary to take $P = 1.0$
	PS for the ends into account. This results in Ph = 1.5 PS = 1.5 P. Note: The proposed revised version of EN 286.1 will correct this anomaly.

Gui	deline	Ar.12/14- 01	CLAP	FORM N°Z015
		7		Version : 1
Directive	87/404/EEC			
		Directive references:	Article 12	Article 14
			Article 13	
Ado	pted by WPG:	November 1994	Adopted by CLAP:	Novembre 1994
Subject:	Certification pr	ocedure using EN 29 0	02	
Question:		acturer with a quality as of Article 13 of Directive		nplies with EN 29 002 fulfil the
Answer:	29 002, fulfils t required, by Ai Reasons When an EN 2 satisfies Article of each vessel In addition for notified body d - ensures that Article 13(1)(c)	the requirements of Arti rticle 14, for vessels wh 29002 procedure is draft a 13; this includes the A vessels where PS-V is luring manufacture the manufacturer actua), n samples at the places	cle 13. However addition ere PS·V is greater than ted to take account of all rticle 13(1)(c) requireme greater than 200 bar.litre lly checks series-produc	e 13 which complies with EN hal checking and inspection is 200 bar.litres. the elements of Article 13 then it nt for a hydrostatic or pneumatic test as Article 14.2 requires that the ed vessels in accordance with a place of storage of vessels for

Gui	deline	Ar.15/16- 01	CLAP	FORM N°Z	2016
				Version :	1
Directive	87/404/EEC				
	Dire	ctive references: Ar	ticle 15	Article 16	
	Die				
Ado	pted by WPG: N	ovembre 1994	Adopted by CLAP:	Novembre 1994	
Subject:		pre/after hydrostatic/pr			
		· ·			
Question:	Is it permitted to a pneumatic test on		mity with Directive 87	/404/EEC prior to the hydrostat	IC OF
Answer:	responsibility (Arti product on the base	cles 12-14) provided t sis of his design appro certificate under Articl	hat he is entitled to af oval either by a certific	to the manufacturer under his or fix a CE marking to the manufac cate of adequacy under Article 8 red that nonconforming products	ctured or a
	does not release t which fails to satis Concerning the m out by virtue of the marking (93/465/E is a difference bet	he manufacturer from offy the Directive's requi- oment of affixing the C procedure itself. The EC of 22 July 1993, C ween the English and prence has been broug	his responsibility not irements (as proved, CE marking the Direct re is a Council Decisi D.J. L 220, 30.08.93, p French versions relat	the vessel manufacturing proce to place on the market a vessel for example, by the hydrostatic ive specifies nothing. Risks are on on conformity assessment a b. 23). In this Council Decision t ting to the moment of affixing the the Commission services for rev	test). ruled nd CE here e CE
	marking during the		hase. The English ver	n which permits the affixing of tl sion is more restrictive; it requir I phase.	

Gui	deline	Anx I- 01	CLAP	FORM N°Z017
				Version : 1
Directive	87/404/EEC			
	Dire	ctive references:	Annex I	
Ade	opted by WPG:	July 1993	Adopted by CLAP:	July 1993
Subjet:	Clause 2 - Prote	ection against corro	sion	
Question:	the following pro	ovisions:		nufacturer must also take account of adequately protected against
 Answer: a) The prescribed use must be specified by the manufacturer in the instruction which calls for information on the "intended use of the vessels". The intended use of the vessel (e.g. air/oil separators etc.). There are however real service conditions of which a manufacturer cannot be aware, e.g. possible presence of even small traces of water in the gas or presence of an industrial atmosphere which contains droplets of salt water etc., which can greatly increase the corrosion phenomena. b) Adequate corrosion protection can be achieved by different measures such as A specified corrosion allowance which must be chosen by the manufacturer as a function of the "intended use". A protective coating or lining, the effectiveness of which must be demonstrated by the manufacturer through appropriate tests which could be considered by the notified body in the framework of the means of attestation procedures chosen by the manufacturer. If the coating is a proprietary system the manufacturer may demonstrate adequate protection without specific tests; the technical documents should include the detailed information. Consensus with respect to "protection against corrosion": The manufacturer shall in the instructions clearly specify the intended use by referring to the phenomena considered. In addition the manufacturer shall specify: The measures taken with respect to corrosion protection and the precautions that a user shall take in order to ensure that possible corrosion phenomena are under control, this shall include information on the reasonable and realistic. This item related to the manufacturer' recommendations and not to any examination which may be required by Member State national legislation. 				

Gui	deline Anx I – 02 CLAP FORM N°Z018 Version : 1
Directive	87/404/EEC
	Directive references: Annexe I
Ade	opted by WPG: July 1993 Adopted by CLAP: July 1993
Subject:	Clause 2 - Stresses other than pressure
Question:	The Directive, in Annex I, clause 2 requires: "- that the vessels (under the conditions of use) will not be subjected to stresses likely to impair their safety in use".
Answer:	This means that the manufacturer must not only take stresses due to pressure into account but also foreseeable stresses due to superimposed weight, mechanical or thermal stresses transmitted by connecting piping, dynamical stresses due to vibrations or due to wind etc. The manufacturer shall make his evaluation of the level of such stresses considering the intended use of the vessel and take into account the effects of their combination with the stresses generated by pressure. That does not necessarily mean to calculate them: in some cases the presence of additional stresses can be taken into account on the basis of common fabrication practice. A very common case is cyclic stresses due to vibrations caused by an alternative compressor connected to the vessel and transmitted by supports or piping, which could be substantially reduced by an adequate design of the connecting elements or by rounding off of all their sharp corners. With respect to "foreseeable stresses other than pressure" - the measures taken with respect to additional stresses, or, possible that the vessel is designed for pressure only, in which case attention must be drawn to the fact that additional stresses must be negligible. Note: The Commission services will at a future date amend this document to provide more detailed information on its meaning.

Gui	deline Anx.I – CLAP FORM N°Z019
	Version : 1
Directive	87/404/EEC
	Directive references: Annex I
Ad	opted by WPG: July 1993 Adopted by CLAP: July 1993
Subject:	Clause 2 - Inspection openings
Question:	The Directive in Annex I, clause 2 requires: "it must be possible to inspect the inside of vessels". The purpose of internal inspection is to clearly detect possible corrosion phenomena, failures of coatings or lining and defects of any other type (e.g. regarding the welds).
Answer:	Consensus
	It is for the manufacturer to give details on the size of the opening and for the examining body to be able to undertake the required internal examinations.
	In each case the size of the opening shall be adequate in relation to the use of the vessel and shall enable the inspection to be undertaken easily.

Gui	ideline Anx.I- 04 CLAP FOR	M N°Z020
		sion: 1
Directive	e 87/404/EEC	
	Directive references: Annexe I	
Ad	dopted by WPG: November 1994 Adopted by CLAP: November 1994	
Subject:	Point 2 - Drainage openings for air braking vessels	
Question:	Essential requirement point 2 of Annex 1 of Directive 87/404/EEC states that it must to drain vessels. Is it acceptable that the drainage of the vessels can be realized by the means of a d	
Answer:	 The following could be considered as satisfying this part of the essential requirement - vessels which have the drainage openings situated in the lowest points; vessels which have the drainage openings not placed in the lowest points but which equipped with a dip tube capable of effectively draining the vessel (see diagrams). 	
	Reasons The presence of a dip tube from which the end is situated in the lowest point of the v a satisfactory evacuation of the condensate. If the drainage opening cannot be made in the bottom of the vessel, drainage may n be provided by one of the methods shown in figures 1 to 4.	
	Abb. 1: an einem Ende Abb. 2: am Gehäuse eines horizontalen befestigtes Eintauchrohr Behälters befestigtes Eintauchro	h
	Abb. 3: am Orchäuse eines Abb. 4: an der Oberseite eines vertikalen Behälters vertikalen Behälters angebrachtes Eintauchrohr angebrachtes Eintauchrohr	

Gui	deline Anx.I- 05 CLAP FORM N°Z021 Version : 1
Directive	87/404/EEC
	Directive references: Annex I
Ado	opted by WPG: June 1995 Adopted by CLAP: June 1995
Subject:	Clause 2 - Wall Thickness
Question:	The directive requires that the vessel shall be adequately protected against corrosion and that the actual wall thickness of the cylindrical section and ends shall, for steel vessels, be not less than 2mm. In the situation where protection against corrosion is provided by an extra depth of material does the 2mm include or exclude this allowance?
Answer:	The minimum wall thickness of 2mm for steel vessels is a separate requirement from any need to provide a corrosion allowance. Therefore in the situation where corrosion protection is to be afforded by increased vessel wall thickness then this is in addition to the requirement for a 2mm minimum vessel wall thickness. Reason In Annex I the requirements relating to protection against corrosion and minimum wall thickness are two separate items.

Gui	deline	Anx.I- 06	CLAP		
Directive	87/404/EEC			Version :	1
	Direc	tive references:	Anenx I		
Ad	opted by WPG:	June 1995	Adopted by CLAP:	June 1995	
Subject:	Point 1.3 - Impac	t strength of access	sories		
Question:	Can the tubes, ta strength of the ve	ppings, bosses etc ssel and, if so, sho	be considered as ac	cessories which contribute to the of a guarantee regarding the	
Answer:				amendment of EN 286-1 judge ng the value of the breaking strer	ngth.

Gui	deline Anx.II- 01 CLAP FORM N°Z023
Directive	87/404/EEC
٩	Directive references: Annexe II
Au	Adopted by CLAF. November 1995
Subject:	Point 4 - Series
Question:	Directive 87/404/EEC gives the following definition in Annex II, point 4.1(h): "There is series manufacture within the meaning of this Directive if more than one vessel of the same type is manufactured during a given period by a continuous manufacturing process, in accordance with a common design and using the same manufacturing process." The term "series" should be spelt out.
Answer:	Withdrawn on March 1998
	The definition of the term "series" is retained, but the term "type" is spelt out (see separate guidance document). Reasons The Directive's definition of "series" is the same as the definition in EN 286-1 and has stood the
	test of time. Note: The notified body forum will propose a definition of "given period by a continuous manufacturing process".

Guideline Anx.II- 02 CLAP FORM N°Z024 Version : 1				
Directive	87/404/EEC			
	Directive references: Annex II			
Ad	opted by WPG: November 1993 Adopted by CLAP: November 1993			
Subject:	Point 4 - Family			
Question:	Directive 87/404/EEC gives the following definition in Annex II, point 4.1(f): "Vessels form part of the same family if they differ from the prototype only in diameter, provided that the permissible requirements referred to in sections 2.1.1 or 2.1.2 of Annex I are complied with and/or in the length of their cylindrical portion within the following limits: - where a prototype has one or more shell rings in addition to the ends, variants in the family must have at least one shell ring, - where a prototype has just two dished ends, variants in the family must have no shell rings. Variations in length causing the apertures and/or penetrations to be modified must be shown in the drawing for each variant." The term "family" should be spelt out.			
Answer:	Withdrawn in March 1998			
	 their diameter, provided that the requirements referred to in sections 2.1.1 or 2.1.2 of Annex I to the Directive are complied with, or their length if the prototype has one or more shell rings in addition to the ends, the vessels must have at least one shell ring if the prototype has just two dished ends, the vessels must have no shell rings if the prototype has just two dished ends, the vessels must have no shell rings their wall thickness, which must be between t/2 and 2t if t is the wall thickness of the prototype, or their apertures and/or penetrations, if the cross-section of the apertures and/or penetrations of the 			
	prototype. Any combination of 1) to 4) is possible. All other design parameters are to be adhered to.			
	Reasons The technical definition of "family" has stood the test of time.			
	Note: The notified body forum will propose more detail on the meaning of items (b3) and (b4)			

Gui	Anx.II- 03CLAPFORM N°Z025Version : 1						
Directive	87/404/EEC						
	Directive references: Annexe II						
Subject:	Point 4 - Batch						
Question:	Directive 87/404/EEC gives the following definition in Annex II, 4.1(g): "A batch of vessels consists at the most of 3 000 vessels of the model of the same type". The term "batch" should be spelt out.						
Answer:	Withdrawn in March 1998						
	The term "batch" is defined as follows: "A batch of vessels consists at the most of 3 000 vessels of the model of the same type, manufactured in the same year". The term "type" is spelt out (see separate guidance document).						
	Reasons The Directive's definition of "batch" has stood the test of time. Note: The notified body forum will propose a more detailed wording of section (c) "reasons".						

Gui	deline Anx.I- 04 CLAP FORM N°Z026						
Dimention	Version : 1						
Directive	Directive 87/404/EEC						
Directive references: Annexe II							
Ado	opted by WPG: November 1993 Adopted by CLAP: November 1993						
Subject:	Point 4 - Type						
Question:	The term "type", which is used in the definitions of "batch" and "series", ought to be spelt out.						
Answer:	Withdrawn in March 1998 The following definition is proposed for "type": "Vessel type : vessels are of the same type if - they have a similar geometrical shape (i.e. rings and ends or only ends, but in both cases ends having the same shape); - they belong to the same class (more than 3 000 bar-litre but not more than 10 000 bar-litre; more than 200 bar-litre but not more than 3 000 bar-litre; more than 50 bar-litre but not more than 200 bar-litre); - the vessel material and wall thickness satisfy the welding process test requirements including the requirements for stubs, branches and inspection openings; - their inspection openings are of the same type (examples of different types of inspection openings are viewing holes, handholes, head holes and manholes); - they are designed for the same design temperature limits." Reasons The definition corresponds to EN 286-1 and has stood the test of time.						

Gui	deline Anx.II- 05 CLAP FORM N°Z027 Version : 1
Directive	87/404/EEC
	Directive references: Annex II
Ade	opted by WPG: Juin 1995 Adopted by CLAP: Juin 1995
Subjet:	Continuous production/Definition of concepts
Question:	What does continuous manufacture mean?
Answer:	If the production parameters, e.g. welding parameters, and machine settings remain unchanged, then the manufacturing process is continuous. Uninterrupted manufacture in temporal terms (e.g. the production process can still be classified as continuous, even if there are breaks or week-end shutdowns) is not a vardstick for continuous manufacture; the yardstick is rather no change in the parameters specific to the manufacture. Justification Resetting of manufacturing parameters can lead to deviations in the properties relating to safety.

Gui	deline	Anx.II- 06	CLAP]	FORM N°Z028		
				_	Version : 1		
Directive	Directive 87/404/EEC						
	Directi	ve references: A	nnexe II				
	2.1.00						
Ad	opted by WPG: J	uin 1995	Adopted by CLAP:	Juin 1995			
Subject:	Vessel marking						
Question:			ompanied by instructio to the type identificati		nich details of vessel		
Answer:		-		•	ers shall not be referred		
	back to the type id		5				
	Reasons In accordance with Annex II, Section 2 of Directive 87/404/EEC, details of the type identification plate must be given in the instructions for use, with the exception of the series identification.						

Guid	leline 16	6-01 CL	AP		FORM N°Z029	9	
					Version: 1		
-	ctive 4/EEC						
	Directive refer	ences: Article 16					
Adopte	ed by WPG: 18/03/200	4 Adop	ted by CLAP: 18	/03/2004			
Subjet:	Identification number						
Question:	According to Article 16, the CE-Mark is followed by the identification number of the notified body who makes the surveillance of production within the EC declaration of conformity. Can this identification number of the notified body also be affixed to pressure vessels with a product of pressure and volume PS.V not exceeding 200 bar.L, where such surveillance is not mandatory but takes place on agreement between manufacturer and the notified body?						
Answer:	No. There shall be no identification number of a notified body behind the CE-mark. The marking shall be according to the following table : Table : CE-mark and notified bodies identification number:						
			els with S.V ≤ 200 bar.L	200 ba	Vessels with r.L < PS.V ≤ 3000 bar.L		
	EC verification (Art. 11)	"CE XXXX" (CE-mark number)	plus identification		" (CE-mark plus on number)		
	EC declaration of conformity (Art. 12)	"CE" (CE-mark withou	t identification number)		" (CE-mark plus on number)		
	Reason : The directive does not require such surveillance for such pressure vessels. It is the wording of the directive that the identification number has to be affixed only in the cases where the surveillance is mandatory.						
	Note 1: This does not exclude surveillance on a freely agreed basis, but affixing the identification number would confuse and mislead the market surveillance authorities because the surveillance is not part of the procedure required by the directive.						
	Note 2: In the case of "freely agreed" surveillance, the notified body must not certify compliance with the Articles of the Directive as this is also not part of the procedure required by the directive.						