

PETRONAS TECHNICAL STANDARDS

MANUFACTURING REPORT FOR PRESSURE VESSELS

PTS 31.22.10.35

OCTOBER 2011



PTS Circular 2011 – 1

PETRONAS



PTS No:	31.22.10.35
Publication Title:	Manufacturing Report for Pressure Vessels
Base PTS Version:	Release 13

This revision of PTS **31.22.10.35 – Manufacturing Report For Pressure Vessels** has been updated incorporating PETRONAS Lessons Learnt, Best Practice and new information issued by relevant industry code and standards. All updates in the document are highlighted in *italic* font.

The previous version of this PTS (**Revision 1 December 2008**) will be removed from PTS binder/ e-repository from herein onwards.

The custodian of this PTS is:

Name: M K Shrivastava

Tel. No: 03-2783 6508

Please direct any questions regarding this PTS to the above-named.

Document Approval

	Name	Designation	Date	Signature
Prepared	Radin Adreff Hasani	Mechanical Engineer	13/10/11	
Reviewed	Zaini Minin	Staff Unfired Static Equipment	13/10/11	
Approved	M K Shrivastava	Custodian Mechanical Static	17/10/11	
Verified	Zuraimi M Idris	Senior Manager, Mechanical Engineering - GTS	19/10/11	
Verified	Saifol Mualim B Ahmad Yahaya	General Manager, Engineering - GTS	20/10/11	
Endorsed	Pau Kiew Huai	Senior General Manager, GTS	21.10.11	

Revision History

Rev No.	Reviewed by	Approved by	Date
1	Radin Adreff/ Zaini Minin	M K Shrivastava	September 2011



Documents

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1. INTRODUCTION

1.1 SCOPE

This PTS specifies requirements and gives recommendations for the compilation of a manufacturing report to be prepared by the manufacturer for each pressure vessel (as defined in 1.3).

This PTS is a revision of the PTS of the same number dated December 2008; this revision has been purely editorial, with no technical changes.

1.2 DISTRIBUTION, INTENDED USE AND REGULATORY CONSIDERATIONS

Unless otherwise authorised by PETRONAS, the distribution of this PTS is confined to companies forming part of the PETRONAS or managed by a Group company and, if necessary, to Contractors and Manufacturers/Suppliers nominated by them.

This PTS is intended for use in oil refineries, chemical plants, gas plants, exploration and production facilities and, where applicable, supply/marketing installations.

When PTSs are applied, a Management of Change (MOC) process should be implemented; this is of particular importance when existing facilities are to be modified.

If national and/or local regulations exist in which some of the requirements may be more stringent than in this PTS the Contractor shall determine by careful scrutiny which of the requirements are the more stringent and which combination of requirements will be acceptable as regards safety, environmental, economic and legal aspects. In all cases, the Contractor shall inform the Principal of any deviation from the requirements of this PTS which is considered to be necessary in order to comply with national and/or local regulations. Based on the potential impact on design, construction and maintenance costs, the Principal may decide to consult with the Authorities concerned with the object of obtaining agreement to follow this PTS as closely as possible.

1.3 DEFINITIONS

1.3.1 General definitions

The **Contractor** is the party which carries out all or part of the design, engineering, procurement, construction and commissioning or management of a project or operation of a facility. The Principal may sometimes undertake all or part of the duties of the Contractor.

The **Manufacturer/Supplier** is the party which manufactures or supplies equipment and services to perform the duties specified by the Contractor.

The **Principal** is the party which initiates the project and ultimately pays for its design and construction. The Principal will generally specify the technical requirements. The Principal may also include an agent or consultant, authorised to act for the Principal.

The word **shall** indicates a requirement.

The word **should** indicates a recommendation.

1.3.1 Specific definitions

Pressure vessel a metallic vessel fabricated by fusion welding, designed and built in accordance with a specified standard (e.g. PD 5500, EN 13445 or ASME VIII).

1.4 CROSS REFERENCES

Where cross-references to other parts of this PTS are made, the referenced section number is shown in brackets. Other documents referenced by this PTS are listed in (5).