

PETRONAS TECHNICAL STANDARDS

DESIGN AND ENGINEERING PRACTICE

MANUAL

SHOP AND FIELD FABRICATION OF ORIFICE METER RUNS

PTS 61.38.10.10

JANUARY 2011



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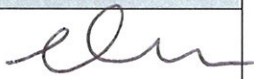
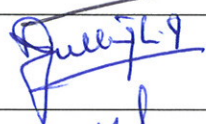
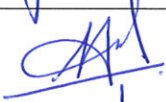
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This revision of **PTS 61.38.10.10 – Shop and Field Fabrication of Orifice Meter Runs** has been updated incorporating PETRONAS Lessons Learnt, Best Practice and new information issued by relevant industry code and standards. All updates in the document are highlighted in italic font.

The previous version of this PTS (**December 1999**) will be removed from PTS binder/ e-repository from herein onwards.

Document Approval

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Revision History

Date	Version	Description of Updates	Author

Summary of Changes

Section	Description of Changes
2 GENERAL	Following were added (highlighted in bold): The total straight upstream and downstream lengths shall be in accordance with latest revision of ISO 5167-1.
4 FABRICATION	Following were added (highlighted in bold): After fabrication of the orifice meter run, at least two measurements shall be taken of the inside diameter of the upstream flange. The temperature of the meter run shall be recorded during the measurement to allow for pipe expansion compensation due to temperature changes. This information is required for computation in metering flow computer. All measuring equipment used shall be certified by approved national or international bodies to ensure best accuracy.

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