

PETRONAS TECHNICAL STANDARDS

DESIGN AND ENGINEERING PRACTICE

MANUAL

ADVANCED PROCESS CONTROL MONITORING GUIDELINES

PTS 20.00.20.10

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This New **PTS 20.00.20.10 - Advanced Process Control Monitoring Guidelines** has been developed incorporating:

1. PETRONAS Lessons Learnt
2. Best Practice
3. New information issued by relevant industry code and standards.

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1. INTRODUCTION

1.1 OBJECTIVE

The objective of this PTS is to present concepts of monitoring for APC applications specifically on MPC (Model Predictive Control)

Monitoring of control performance is divided into 3 separate stratum:

- Stratum 1- Regulatory Performance (covered under APC Readiness Base Layer Control Assessment), PTS 20.00.20.45
- Stratum 2- Property Estimators (covered under Building and Monitoring Statistical Inferential) PTS 20.00.10.30
- Stratum 3- MPC Performance

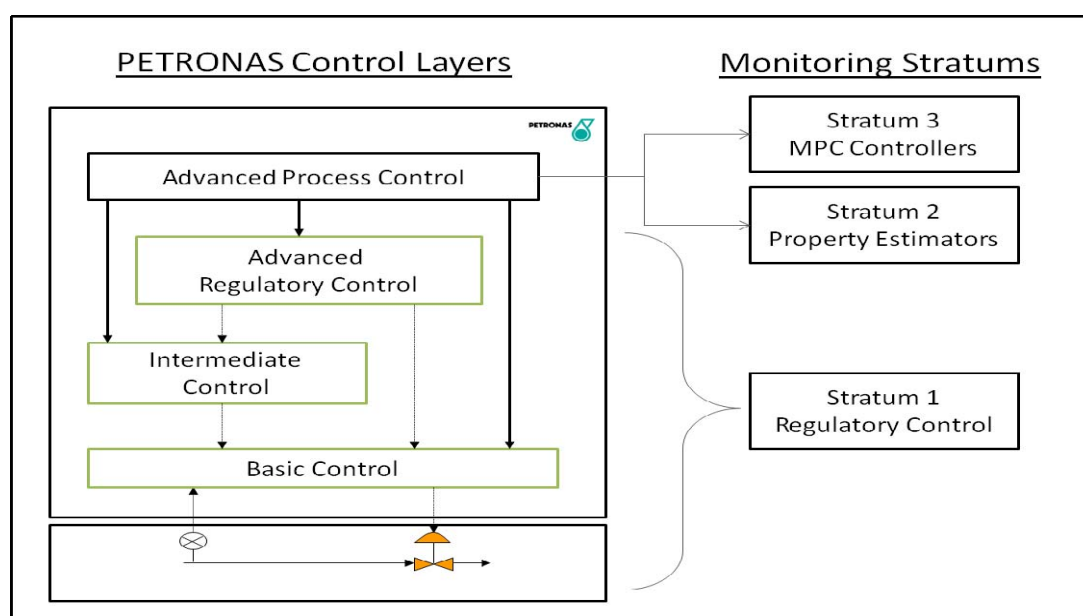


Figure 1 – Petronas Control Layers and Monitoring Stratums

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