Ministry of Manpower

Dec 2025

Corporate-Level Approval Companies

Authorised Examiners

Third-Party Service Providers

All Relevant Parties

IMPLEMENTATION OF ENHANCEMENTS TO THE PRESSURE VESSEL EXTENSION SCHEME (VERSION 2025)

Since 1998, MOM has implemented the **Pressure Vessel Extension Scheme (PVES)** to allow Owners of pressure vessels who wish to have the examination period of their pressure vessels extended beyond those prescribed under the Workplace Safety and Health Act. To be eligible for the Scheme, Owners were to demonstrate that they have put in place a robust system to manage and safely operate all pressure vessels and its associated components/equipment in the plant, and that no danger will arise with its continual use beyond the statutory period. This Scheme allows Owners that can safely manage their pressure vessels the flexibility to extend the statutory examination period plan for shutdowns, without frequent and unnecessary disruptions.

2 In partnership with industry stakeholders, OSHD has progressively made enhancements to the Scheme that enable qualified Owners to optimise their inspection schedules whilst implementing robust safety measures:

- **1998 Framework**: The inaugural scheme enabled select companies to extend testing intervals to 2-4 years.
- **2012 Enhancement**: Following collaborative feedback from the chemical industry through the Singapore Chemical Industry Council (SCIC), the scheme was expanded to permit 5-year testing intervals for certain equipment. Companies demonstrated robust safety management systems and engaged qualified experts for ongoing monitoring.
- **2021 Advancement**: Leveraging technological progress in real-time monitoring capabilities and responding to economic pressures, further enhancements enabled all pressure vessel types to qualify for 5-year testing intervals. Companies adopted internationally recognised "Risk-Based Inspection" methodologies, utilising historical data and operational parameters to scientifically assess equipment reliability and potential consequences.

3 Recently, an MOM-SCIC Workgroup was set up to evaluate the current situation and assess the effectiveness of the RBI approach in managing the safe use of pressure vessels. After much deliberation, the MOM-SCIC WG proposed to introduce an additional **Pressure Vessel Extension Scheme (Version 2025)** to cater to companies who have demonstrated that they have systems in place that can better manage the safe use of their pressure vessels. Recognising the increasingly competitive global environment, the enhanced framework allows added flexibility to maintain Singapore's position as a preferred investment destination. The additional scheme would primarily allow owners to extend the test and examination intervals for their Steam Boilers, Steam Receivers and Air Receivers up to 7 years. Version 2025 of the

Pressure Vessel Extension Scheme will co-exist with Version 2021, while Version 2012 will be eventually migrated into Version 2021 or 2025. Owners currently under Version 2021 have the option to migrate to Version 2025 and have the current testing intervals increased from 5 years to 7 years.

4 Companies seeking to participate in Version 2025 must demonstrate the following:

- Proven track record of exemplary safety performance;
- Implementation of internationally recognised RBI methodologies;
- Employment of certified experts to lead safety teams and validate inspection approaches;
- Installation of comprehensive real-time monitoring systems; and
- Commitment to enhanced safety inspections and regular audits.

5 We are pleased to attach the relevant guidelines named **PVES 2025**. The new Version 2025 is ready for application and interested Owners may do so through the eServices Portal (similar to applying for earlier PVES schemes). For further queries, please contact us at mom_oshd@mom.gov.sg.

6 Thank you and stay safe.

Guidelines on Enhanced PVES 2025.pdf

Engineering Safety Branch

Occupational Safety and Health Division

Ministry of Manpower