



MALAYSIAN STANDARD

MS ISO 15613:2011

**Specification and qualification of welding
procedures for metallic materials -
Qualification based on pre-production
welding test
(First revision)
(ISO 15613:2004, IDT)**

ICS: 25.160.10

Descriptors: pre-production welding test, welding procedure specifications, fusion welding, overlap welding, butt welding

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Committee representation

The Industry Standards Committee on Mechanical Engineering (ISC F) under whose authority this Malaysian Standard was adopted, comprises representatives from the following organisations:

Department of Occupational Safety and Health Malaysia
Department of Standards Malaysia
Jabatan Kerja Raya Malaysia
Machinery and Equipment Manufacturers' Association
Malaysian Industrial Development Authority
Malaysian Iron and Steel Industry Federation
Ministry of International Trade and Industry
National Institute of Occupational Safety and Health
Petroleum Nasional Berhad
Science and Technology Research Institute for Defence
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd
Suruhanjaya Perkhidmatan Air Negara
Suruhanjaya Tenaga
The Institution of Engineers, Malaysia
Universiti Kebangsaan Malaysia
Universiti Malaya
Universiti Sains Malaysia
Universiti Teknologi Malaysia

The Technical Committee on Welding and Allied Processes which recommended the adoption of the ISO Standard as Malaysian Standard consists of representatives from the following organisations:

Department of Occupational Safety and Health Malaysia
ESAB (M) Sdn Bhd
Institut Teknologi Petroleum PETRONAS
Jabatan Kerja Raya Malaysia
Jabatan Pembangunan Kemahiran
Malaysian Iron and Steel Industry Federation
Malaysian Welding and Joining Society
Offshore Structure Fabricators Association of Malaysia
PETRONAS Carigali Sdn Bhd
PETRONAS Group Technology Solutions
PETRONAS Research and Scientific Services Sdn Bhd
Sarawak Shell Berhad
Science and Technology Research Institute for Defence
SIRIM Berhad (Engineering Consulting Centre- Joining and Inspection Services)
SIRIM Berhad (Secretariat)
Suruhanjaya Tenaga
Tenaga Nasional Berhad
The Institution of Engineers, Malaysia
TWI Training and Certification (S.E.Asia) Sdn Bhd
Universiti Kuala Lumpur
Universiti Malaya
Universiti Teknologi Malaysia

Co-opted member:

Leeden Welding Sdn Bhd

NATIONAL FOREWORD

The adoption of the ISO Standard as a Malaysian Standard was recommended by the Technical Committee on Welding and Allied Processes under the authority of the Industry Standards Committee on Mechanical Engineering.

This Malaysian Standard is the first revision of MS ISO 9956-8, *Specification and approval of welding procedures for metallic materials - Part 8: Approval by pre-production welding test*.

This Malaysian Standard is identical with ISO 15613:2004, *Specification and qualification of welding procedures for metallic materials - Qualification based on pre-production welding test*, published by the International Organization for Standardization (ISO). However, for the purposes of this Malaysian Standard, the following apply:

- a) in the source text, "this International Standard" should read "this Malaysian Standard";
- b) the comma which is used as a decimal sign (if any), to read as a point; and
- c) reference to European Standards should be replaced by corresponding Malaysian Standards as follows:

Referenced EN Standards

EN ISO 15607:2003, *Specification and qualification of welding procedures for metallic materials - General rules*

CR ISO 15608:2000, *Welding - Guidelines for a metallic material grouping system (ISO/TR 15608:2000)*.

EN ISO 15609-1, *Specification and approval of welding procedures for metallic materials - Welding procedure specification - Part 1: Arc welding*

EN ISO 15614-1, *Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys*

EN ISO 15614-2, *Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 2: Arc welding of aluminium and its alloys*

Corresponding Malaysian Standards

MS ISO 15607, *Specification and qualification of welding procedures for metallic materials - General rules*

MS 2427, *Welding - Guidelines for a metallic material grouping system*

MS ISO 15609-1, *Specification and approval of welding procedures for metallic materials - Welding procedure specification - Part 1: Arc welding*

MS ISO 15614-1, *Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 1: Arc and gas welding of steels and arc welding of nickel and nickel alloys*

MS ISO 15614-2, *Specification and qualification of welding procedures for metallic materials - Welding procedure test - Part 2: Arc welding of aluminium and its alloys*