

AS 21457:2022



# Petroleum, petrochemical and natural gas industries — Materials selection and corrosion control for oil and gas production systems (ISO 21457:2010, MOD)

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- Australian Industry Group
- Australian Organisation for Quality
- Australian Petroleum Production and Exploration Association
- Australian Pipelines and Gas Association
- Department for Energy and Mining, SA
- Department of Mines, Industry Regulation and Safety WA
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## Preface

This Standard was prepared by the Standards Australia Committee ME-092, Materials, equipment, structures and related services for petroleum, petrochemical and natural gas industries.

The objective of this document is to identify the corrosion mechanisms and parameters for evaluation when performing selection of materials for pipelines, piping and equipment related to transport and processing of hydrocarbon production, including utility and injection systems. This includes all equipment from and including the well head, to and including pipelines for stabilized products.

Guidance is given for the following:

- (a) Corrosion evaluations.
- (b) Materials selection for specific applications, or systems, or both.
- (c) Performance limitations for specific materials.
- (d) Corrosion control.

This document is an adoption with national modifications, and has been reproduced from, ISO 21457:2010, *Petroleum, petrochemical and natural gas industries — Materials selection and corrosion control for oil and gas production systems*. The modifications are additional requirements and are set out in Appendix ZZ, which has been added at the end of the source text.

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Appendix ZZ lists the modifications to ISO 21457:2010, for the application of this document in Australia.

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