

Australian/New Zealand Standard™

Energy audits

Part 3: Transport related activities



AS/NZS 3598.3:2014

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EN-001, Energy Auditing. It was approved on behalf of the Council of Standards Australia on 9 September 2014 and on behalf of the Council of Standards New Zealand on 21 August 2014.

This Standard was published on 2 October 2014.

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This Standard was issued in draft form for comment as DR AS/NZS 3598.3.

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Originated in Australia as part of AS 3598—1990.
Previous and first joint edition, as part of AS/NZS 3598:2000.
Jointly revised in part and redesignated as AS/NZS 3598.3:2014.

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Jointly published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001 and by Standards New Zealand, Private Bag 2439, Wellington 6140.

ISBN 978 1 74342 842 9

PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EN-001, Energy Auditing, to supersede, in part, AS/NZS 3598:2000, *Energy audits*.

Energy audits are an integral part of the energy management process. They determine how efficiently energy is being consumed, identify energy and cost saving opportunities and can highlight potential process and productivity improvements. Implementing energy audit recommendations usually achieves significant cost savings.

This Standard will assist organizations to decide on the appropriate type of audit for their fleets, provide a guide when commissioning energy audits and present a uniform basis for preparing and comparing fleet energy audit proposals. It also aims to establish best practice for energy auditors, support the establishment of energy management systems and contribute to the quality of existing energy and other management systems.

This Standard covers the general requirements for energy audits in the transport sector. Requirements for other types of operation are provided in the following Standards:

- (a) AS/NZS 3598.1, *Energy audits, Part 1: Commercial buildings*.
- (b) AS/NZS 3598.2, *Energy audits, Part 2: Industrial and related activities*.

In the preparation of this Standard reference was made to the following:

- (i) ISO 50002, *Energy audits—Requirements with guidance for use*.
- (ii) ISO 50015, *Energy management systems—Measurement and verification of energy performance of organizations—General principles and guidance*.

Acknowledgement is made of the assistance received therefrom.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the appendix to which they apply. A ‘normative’ appendix is an integral part of a Standard, whereas an ‘informative’ appendix is only for information and guidance.

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FOREWORD

Energy audits are investigations of energy use for a defined audit object, such as a trucking fleet, railway network or an airline fleet. They enable the identification of energy use and costs, from which energy cost and consumption control measures can be implemented and reviewed. An energy audit is an important step for an organization, regardless of its size, type or area of operation. Organizations may commission energy audits to improve their energy performance, reduce energy consumption and achieve financial and environmental benefits.

An energy audit is best undertaken within the context of an energy management system that complies with an appropriate industry Standard, such as ISO 50001, *Energy management systems—Requirements with guidance for use*.

This Standard defines the attributes of an energy audit that is appropriate for a transport system, to enable the organization commissioning the audit, and the energy auditor selected to conduct the audit, to reach a common understanding of the audit's scope, process and deliverables. It states the minimum requirements for energy audits and corresponding obligations within the energy auditing process necessary for compliance with the Standard.

This Standard recognizes that there are differences in approach to energy auditing of transport fleets in terms of scope, boundary and objective, but seeks to harmonize common aspects of energy auditing in order to bring more clarity and transparency to the market for energy auditing services for transport systems.

This Standard does not address the requirements for auditing an organization's energy management system, which are covered by ISO 50003*, *Energy management systems—Requirements for bodies providing audit and certification of energy management systems*.

* To be published.

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