AS/NZS 62386.105:2021

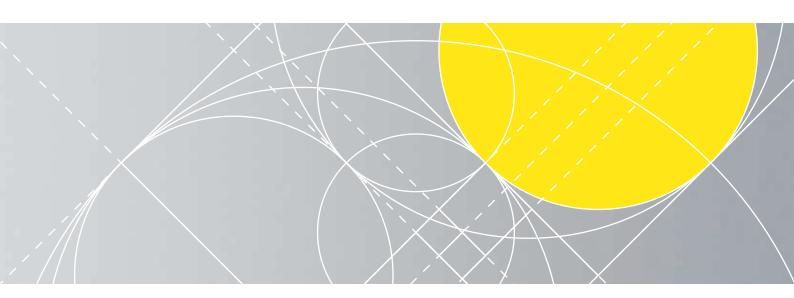




Australian/New Zealand Standard™

Digital addressable lighting interface

Part 105: Particular requirements for control gear and control devices — Firmware transfer (IEC 62385-105:2020 (ED.1.0) MOD)



AS/NZS 62386.105:2021

This Joint Australian/New Zealand Standard™ was prepared by Joint Technical Committee EL-041, Lamps and Related Equipment. It was approved on behalf of the Council of Standards Australia on 09 August 2021 and by the New Zealand Standards Approval Board on 04 August 2021.

This Standard was published on 3 September 2021.

The following are represented on Committee EL-041:

Australian Industry Group

Better Regulation Division (Fair Trading, Safework NSW, TestSafe)

CHOICE

Consumer Electronics Suppliers Association

Consumers Federation of Australia

Department of Industry, Science, Energy and Resources

Electrical Compliance Testing Association of Australia

Electrical Regulatory Authorities Council

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Joint Accreditation System of Australia and New Zealand

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Lighting Council Australia

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This Standard was issued in draft form for comment as DR AS/NZS 62386.105:2021.

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First published as AS/NZS 62386.105:2021.



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Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-041, Lamps and Related Equipment.

The objective of this document is to specify requirements for firmware transfer for control gear and control devices.

Typically, a bus unit according to IEC 62386 (all parts) contains firmware. There are circumstances where it might be necessary to change the firmware after production or shipping of the product.

For example, if the bus unit does not operate as intended. In such a case, a firmware update of a bus unit via the interface is beneficial.

This firmware update process is primarily designed to be a bug fix process, not a feature extension process. Nevertheless, the firmware update process can be used for feature extensions. But it is important that the risk of negative effects to the complete system is considered in detail.

This document is an adoption with national modifications, and has been reproduced from, IEC 62386-105:2020, *Digital addressable lighting interface — Part 105: Particular requirements for control gear and control devices — Firmware transfer*. The modifications are additional requirements and are set out in Appendix ZZ, which has been added at the end of the source text.

Appendix ZZ lists the variations to IEC 62386-105:2020 for the application of this document in Australia and New Zealand.

As this document has been reproduced from an International Standard the following applies:

- (a) In the source text "this part of 62386" should read "this document".
- (b) A full point substitutes for a comma when referring to a decimal marker.

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