

# STANDARDS UPDATE

James Patterson

INSTALLATION COMPLIANCE  
SPECIALIST - STANDARDS

Oct 2019

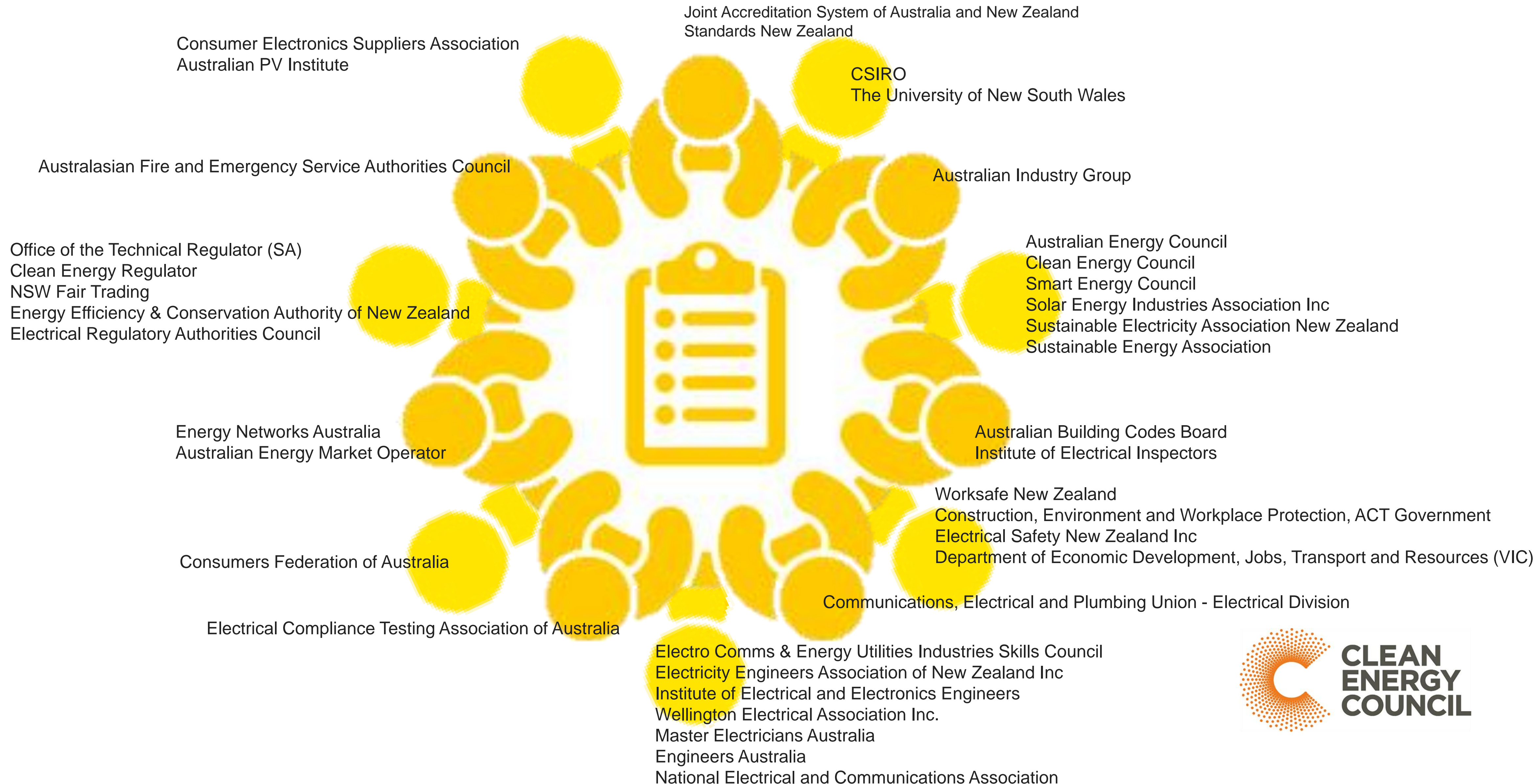
# AGENDA

- 1. Standards writing process**
- 2. Upcoming changes to standards**
- 3. AS/NZS 5139 timings**





# THE EL-042 COMMITTEE AND HOW IT WORKS



# STANDARD AUSTRALIA PROCESS

There are six main stages in the development of an Australian Standard®:

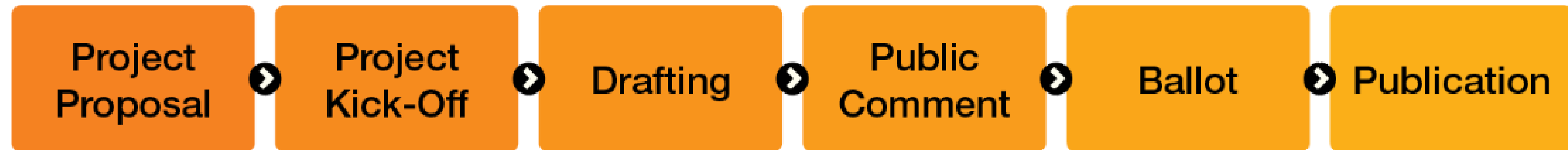
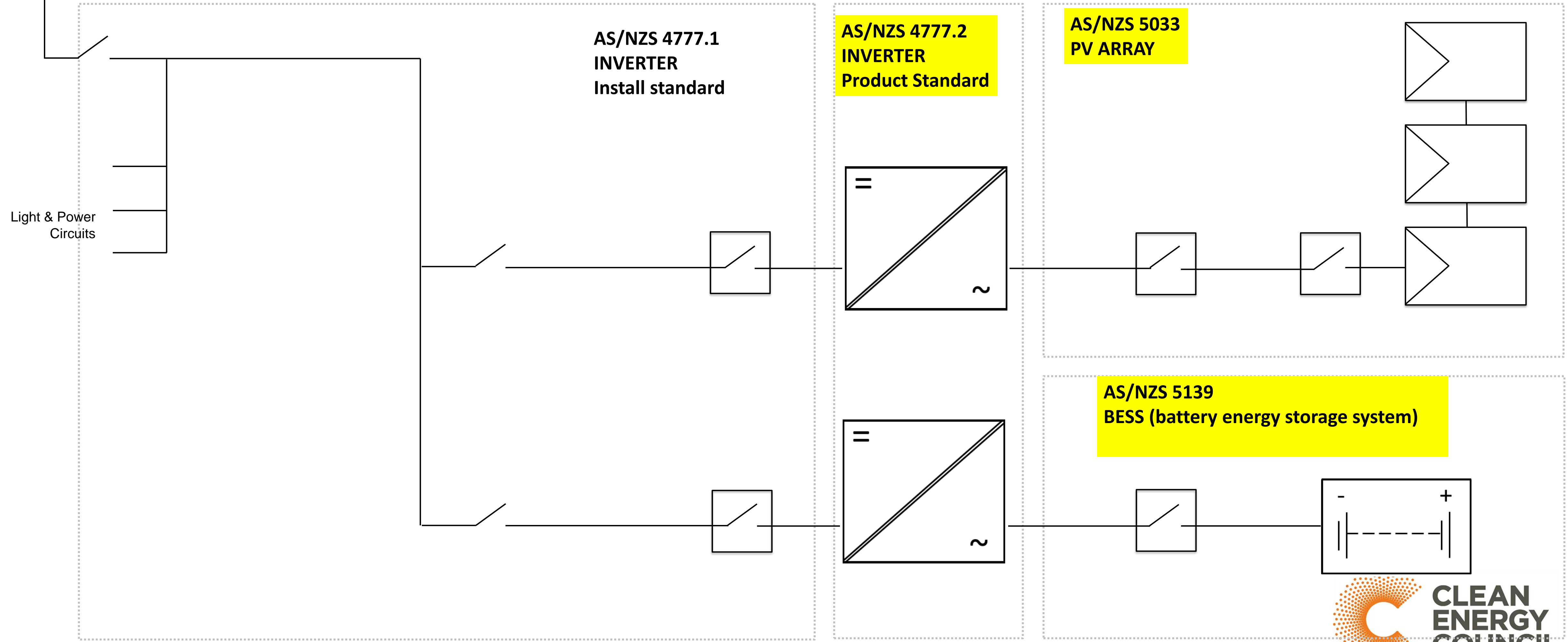


Image source: Standards Australia

# M GRID CONNECTED STANDARDS

AS/NZS 3000  
WIRING RULES

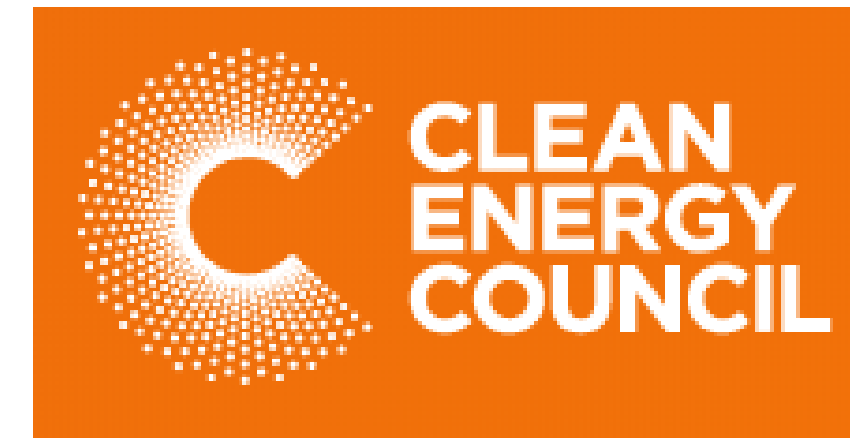




# SUPPORT TO REVIEW AS/NZS 5033



UNSW  
SYDNEY



## PROPOSED CHANGES TO AS/NZS5033

1. General edits & alignment with international standards
2. Lightning Protection
3. 350W rule and other DCU developments
4. Earthing and testing
5. DC isolation
6. Fuses

# ESTIMATED AS/NZS 5033 TIMING

There are six main stages in the development of an Australian Standard®:

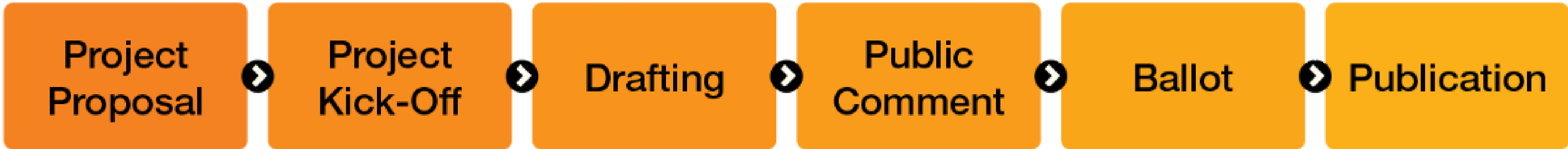


Image source: Standards Australia



2021

2021

~2022



# AS/NZS 4777.2

AS/NZS 4777.2:2015

Australian/New Zealand Standard™

Grid connection of energy systems via inverters

Part 2: Inverter requirements

**(Product standard)**

STANDARDS Australia

STANDARDS NEW ZEALAND

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Inverter  
isolators &  
Manufacturers  
Declaration

AS/NZS 5033:2014  
(Incorporating Amendment No. 1 and Amendment No. 2 attached)

Australian/New Zealand Standard™

Installation and safety requirements for photovoltaic (PV) arrays

**(Install standard)**

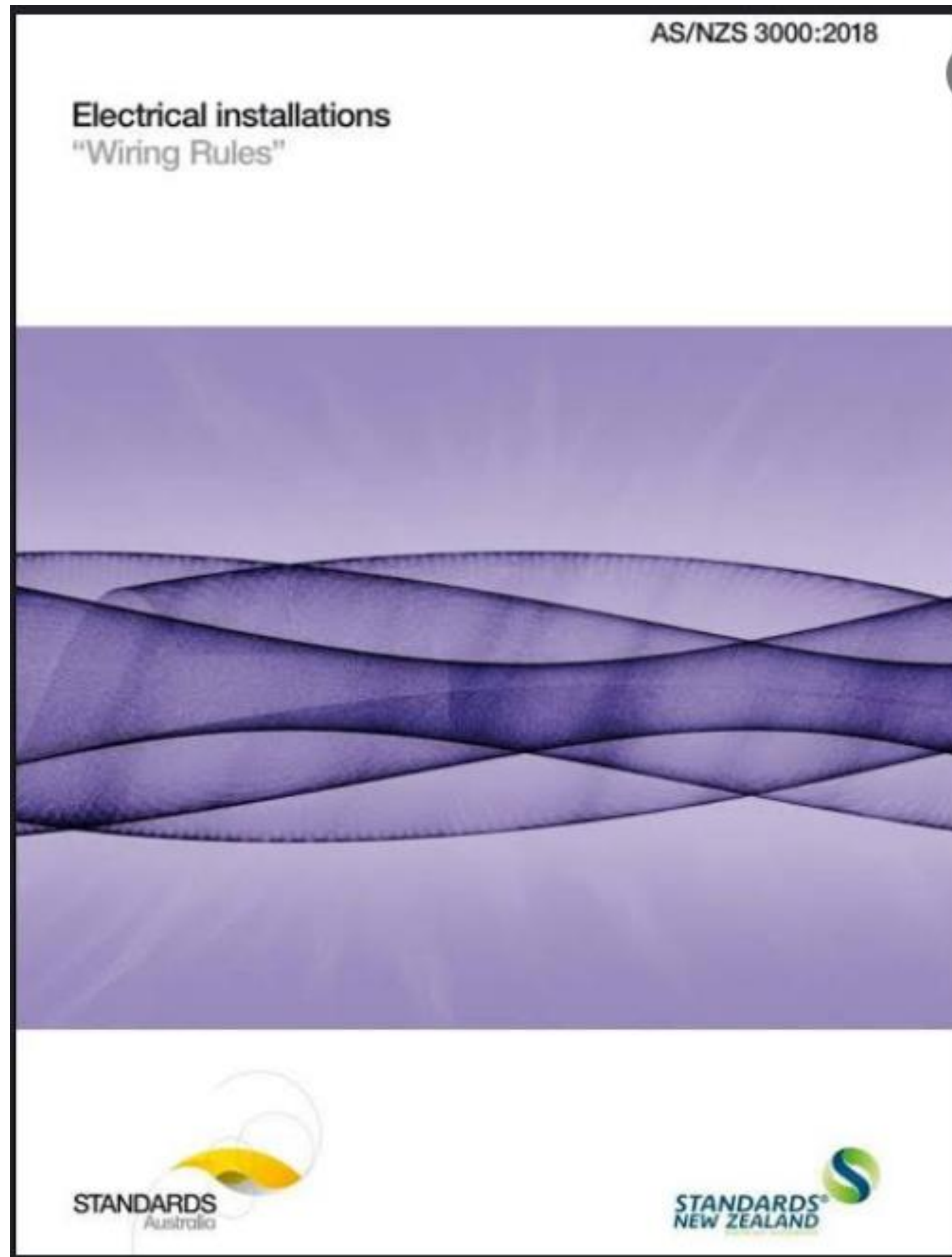
STANDARDS Australia

STANDARDS NEW ZEALAND

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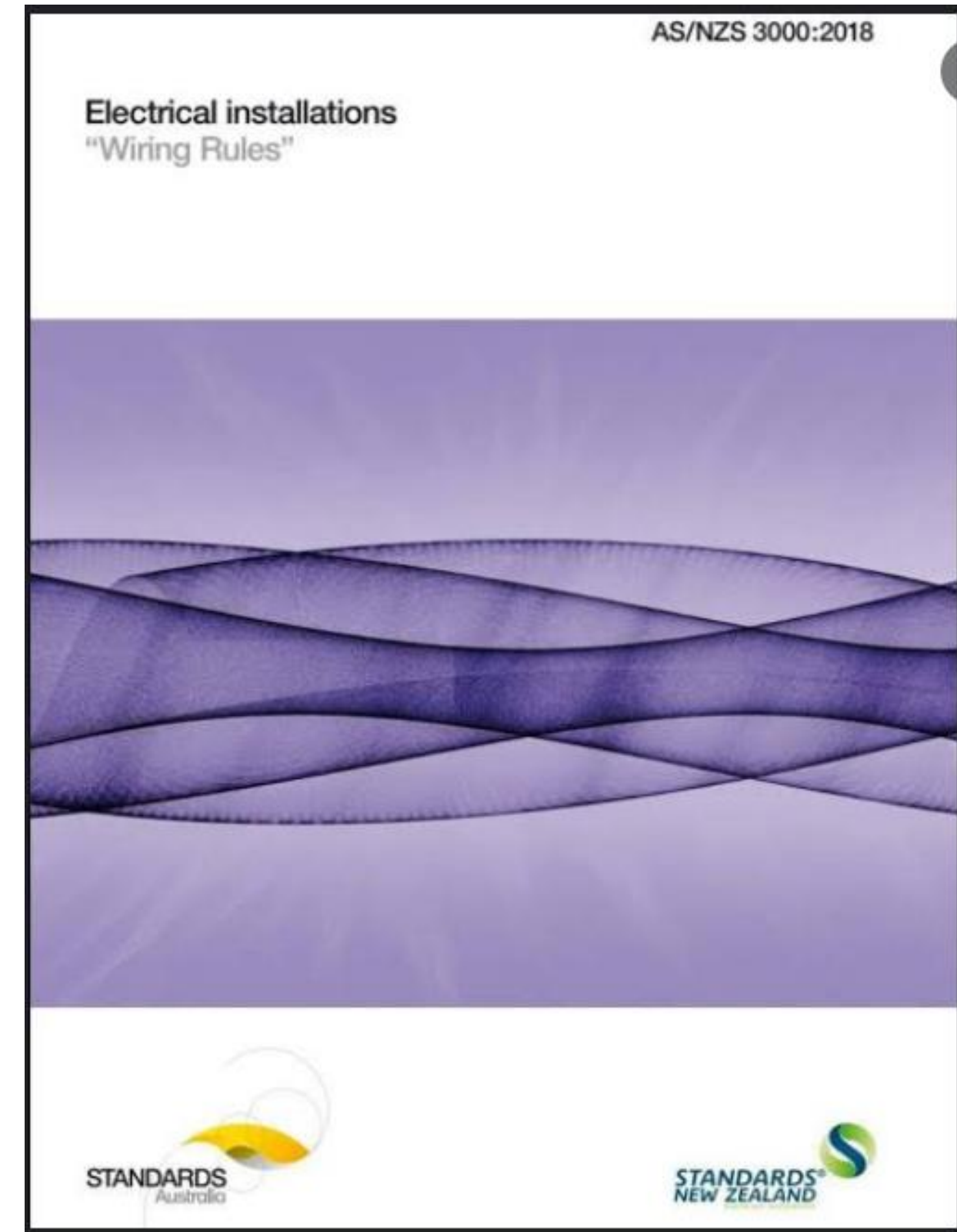
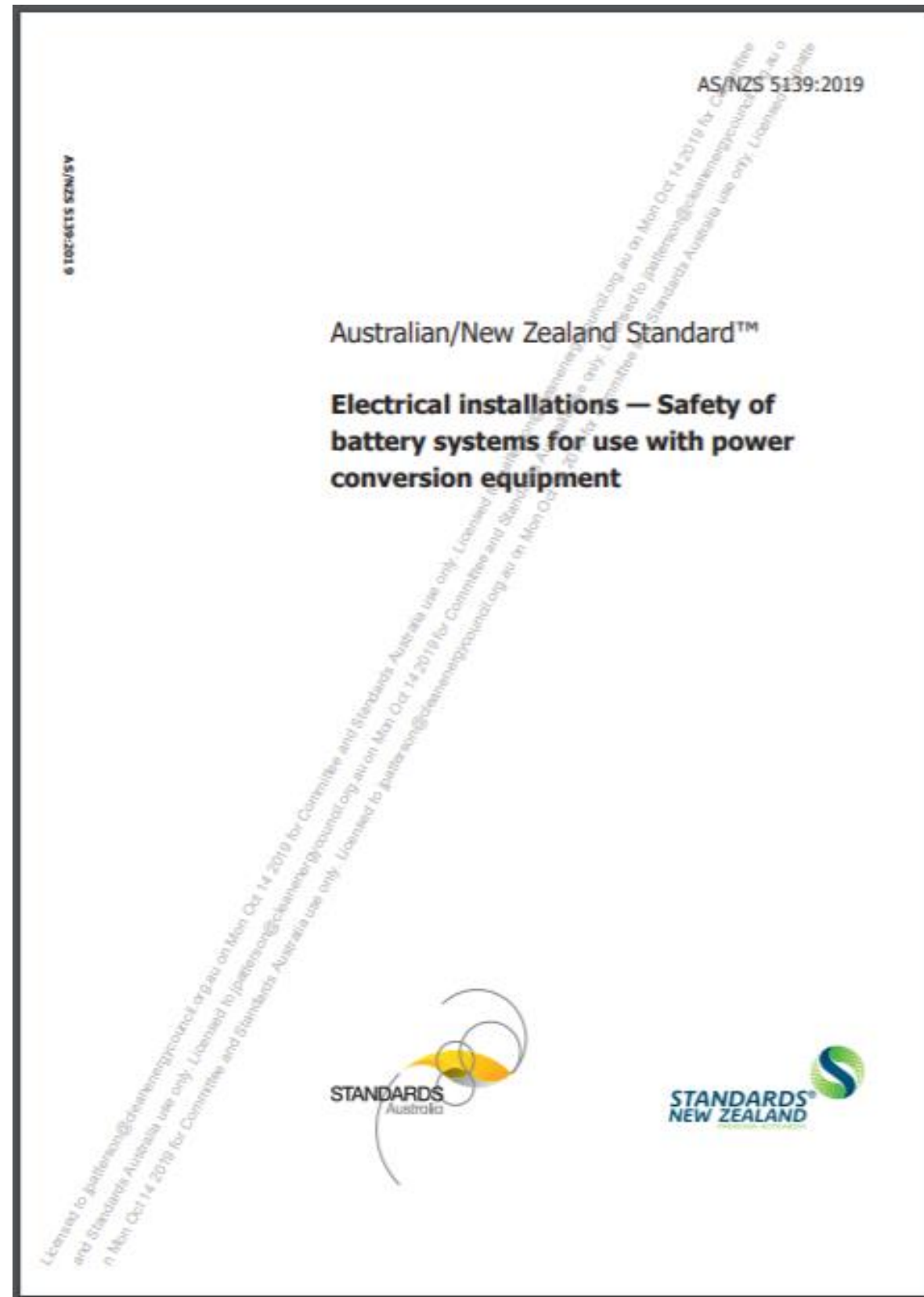
# AS/NZS 3000 AMENDMENT 1



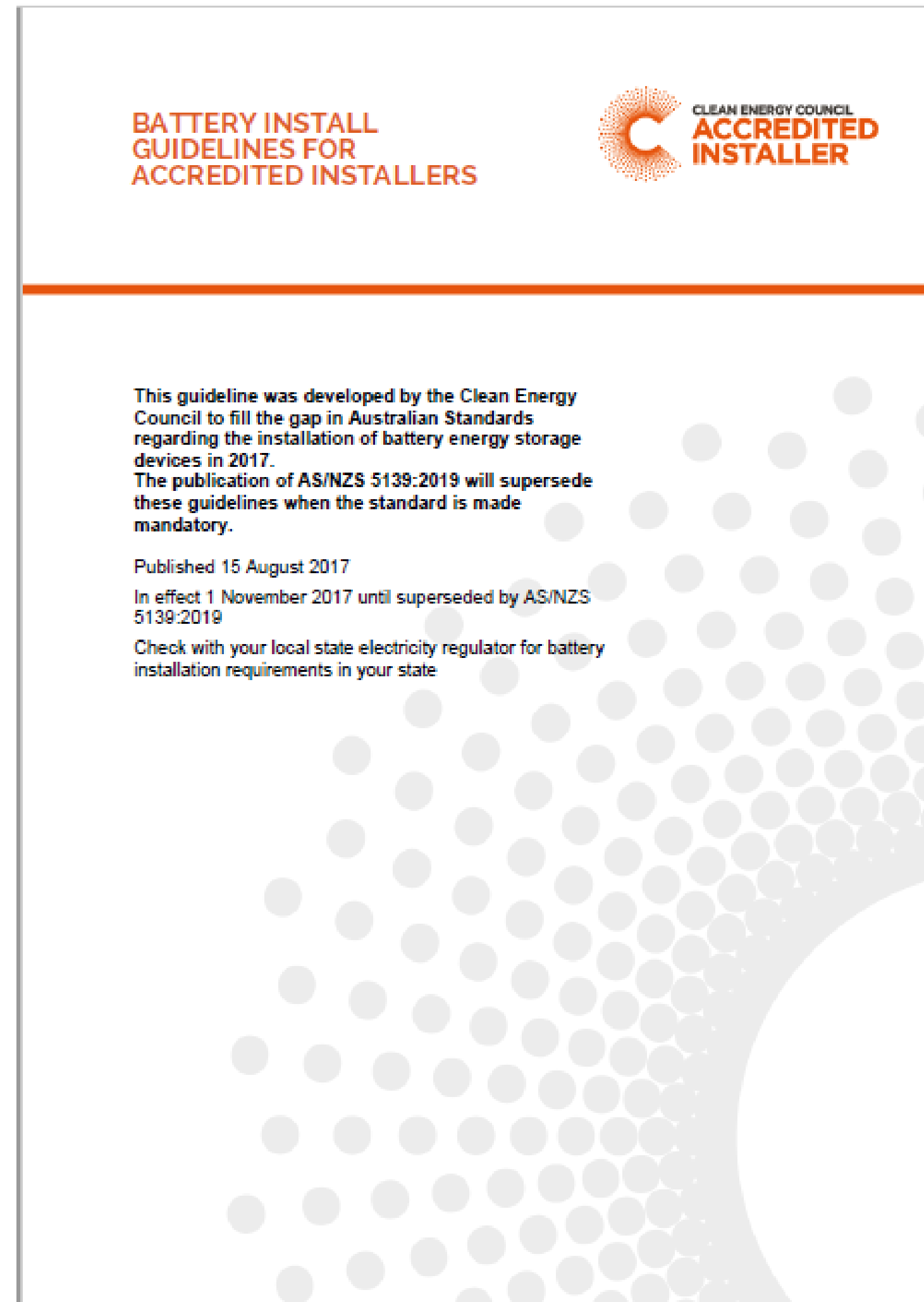
- Public comments open in July 2019
- Estimated publication date ~2020



# WHEN IS AS/NZS 5139 COMPULSORY?



# CEC BATTERY GUIDELINES?





# STAY CONNECTED

Watch our webinar on the changes to the requirements for installing DC isolators



## INSTALLER NEWS

### AS/NZS 5139:2019 Battery install standard published

On Friday 11 October Standards Australia published the battery installation standard AS/NZS 5139:2019. A copy of the standard can be purchased from [SAI Global](#).

AS/NZS 5139:2019 will not become mandatory until the Wiring Rules, AS/NZS 3000:2018 reference it or individual jurisdictions choose to amend their regulations. The Wiring Rules are currently going through





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CLEAN ENERGY COUNCIL