



Customer Installations

Advice No. 1400 (01/05/2021)

Ref. Doc. ES3, Part A

TO: Customers, Accredited Service Providers, Electrical Contractors and Ausgrid Staff

Amendment to ES3 Part A Metering Installation Requirements

The revised July 2018 edition of **ES 3 Part A Metering Installations** has been published. This new edition replaces the previous version including CIA 1396 and is **applicable from 1 May 2021**.

It is available via Ausgrid's website at <http://www.ausgrid.com.au/Common/Our-network/Standards-and-Guidelines/Electrical-supply-standards.aspx>

Plus ES (Ausgrid's Appointed Metering Provider) has given approval for Ausgrid authorised ASP2D's to relocate and reuse bottom connected meters as per the attached advice. Defects will be raised where ASPs relocate or reuse any other metering device. See Attached approval letter from Plus ES which indicated which meters are permitted to be relocated or reused.

Set out below are the revised clauses.

Replace clause 7.4 with the following.

7.4 Entry and Metering Works within Ausgrid substations

Non Ausgrid appointed MPBs are not permitted to conduct any metering work within Ausgrid sub-transmission, zone or distribution substations. Ausgrid will arrange for an appointed metering provider to conduct these metering services on behalf of the MPB. Ausgrid will enter a contractual arrangement with the applicant (MPB, Retailer or Customer) to allow these works to occur and provide a quotation under an AER regulated fee. If a network outage is required to conduct the works (eg. CT/VT accuracy testing) or a specific date is required for the works to be completed, the applicant should provide Ausgrid a minimum of six weeks' notice, so it can be scheduled into our planned outage works.

The MPB may only enter the substation to observe the work undertaken if accompanied by an Ausgrid appointed person. When onsite, the MPB must comply with any site rules, any instruction from the Ausgrid appointed person and Ausgrid's Electrical Safety Rules.

Alterations, upgrades and new connections must not be installed or remain within Ausgrid's substations.

To avoid future access inconvenience and expense it is strongly recommended that MPBs make arrangements to relocate any existing metering equipment from within Ausgrid substations to the customer's premises wherever possible.

For any enquiries with regard to access to substations please contact Ausgrid using the following email address meteraccess@ausgrid.com.au.

Replace clause 10 with the following:

10 Returning of Metering Equipment

10.1 General

To avoid injury to Ausgrid staff, injury to others and damage, the following must be adhered to when returning Ausgrid metering assets:

- All equipment mounting screws must be removed.
- All residual cable must be removed from terminals.
- All equipment screws must be tightened (to avoid possible loss of screws in transit).
- All equipment that is removed from the meter board must be wet wiped with a damp rag to remove any surface dust immediately following the removal of the equipment.

- If the electrical board, meters or any other part of the metering enclosure contains or is suspected of containing asbestos, then the rags should be disposed of as asbestos-contaminated waste.
- If the electrical board or meters contain asbestos or if there is uncertainty about whether they contain asbestos, then 'Safe Work Practice 5 - Working on Electrical Mounting Boards (Switchboards) Containing Asbestos' and the requirements of NS211 apply.

Note: 'Safe Work Practice 5 - Working on Electrical Mounting Boards (Switchboards) Containing Asbestos' is part of the 'SafeWork NSW Code of Practice: How to manage and control asbestos in the workplace'. This document can be obtained from the SafeWork NSW website.

10.2 ASPs

When returning metering equipment and associated devices (e.g. LCU) to an Ausgrid Field Operations depot, the ASP must ensure that the meters are separated into the appropriate mechanical (asbestos waste and non-asbestos waste) and electronic return locations to allow for ease of sorting and disposal. Only Ausgrid meters are to be returned to Ausgrid Field operations depots.

Any removed meters that have been identified as containing asbestos material, then procedures, safety controls and personal protective equipment that are described in NS211 must be applied and disposed of in an approved manner.

ASPs must only return metering equipment which was removed due to works conducted under the NSW ASP scheme (eg. permanent disconnection of supply). ASPs conducting works for AEMO Metering Providers are to return metering as per the MPs procedures.

Flat Rate metering equipment is to be returned by ASPs to one of the following locations within ten days of removal unless other disposal arrangements have been agreed with Ausgrid.

ToU metering equipment is to be returned by ASPs to one of the following locations within ten days of removal.

ASP are to arrange access to disposal bins by contacting the Ausgrid security officer at the main boom gates upon arrival.

Homebush	Building 5 25-27 Pomeroy St Homebush, NSW 2140 Access via main boom gate	Days of Operation Monday to Thursday 08:00am – 03:00pm
Wallsend	Building 3 78 Abbott Street Wallsend, NSW 2287 Access via main boom gate	Days of Operation Monday to Thursday 08:00am – 03:00pm

10.3 MPBs

AEMO accredited MPBs are to have a documented or deemed agreement with Ausgrid for an alternate method of disposal for Type 6 metering and load control devices. Type 6 metering and load control devices are not to be returned to Ausgrid by MPBs or their contractors.

All removed type 5 metering must be returned to one of the two locations below. Where the Ausgrid metering assets are to be returned to Ausgrid, this is to be completed within ten days of removal.

Homebush	Building 5 25-27 Pomeroy St Homebush, NSW 2140	Days of Operation Monday to Thursday
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	Access via main boom gate	08:00am – 03:00pm
Wallsend	Building 3 78 Abbott Street Wallsend, NSW 2287	Days of Operation Monday to Thursday 08:00am – 03:00pm
	Access via main boom gate	

Wayne Turner

Metering Compliance and Regulation

Alex Watters

Manager Network Innovation & Intelligence

To: General Manager – Asset Management - Ausgrid

Relocation or Reuse of Existing Type 5 & Type 6 Metering Equipment

PLUS ES acknowledges its role as the AEMO accredited Metering Provider appointed for the maintenance of the Type 5 (ToU) & Type 6 (Flat Rate) metering installations within the Ausgrid Network area.

The allowance to relocate or reuse existing Type 5 & 6 metering is permitted for circumstances such as switchboard relocation, switchboard replacement or a single domestic builder's service relocating to its permanent position, is made with the following conditions:

- It does not involve the relocation of electromechanical meters that have black Bakelite main covers with glass window, as these may incorporate asbestos containing materials (ACM's)¹; and
- It does not involve relocating advanced Type 4 meters – for this case the customer's electricity retailer must be contacted to facilitate the Type 4 metering relocation; and
- Work is carried out by an Ausgrid authorised Class 2D Accredited Service Provider; and
- All instruments are transferred to the new location and utilised in the same way as originally, on the same NMI and without the installation of additional instruments or removal of instruments; and
- The new switchboard / switchboard location is built to full compliance with the latest NSW Service & Installation Rules including the obligation for individual metering MPD upstream of meter and individual service isolation downstream of metering
- Care is taken to protect the metering equipment from damage during the relocation.

PLUS ES reiterates the Ausgrid requirement for the ASP to submit a NOSW for the associated service work for each NMI within 2 days of the completion of the work, detailing all relevant information including information such as the new meter location.

Queries associated with the metering technology can be forwarded to MP@pluses.com.au.

Sincerely,



Boris Kobal

Metering Asset Management & Technology - PLUS ES

¹ To maintain compliance with NSW WH&S legislation and regulation, relocation of equipment incorporating ACM's is not permitted. Requirement and associated processes are detailed in Ausgrid safety alert https://www.ausgrid.com.au/-/media/Documents/ASP/Safety-Alerts/2018/SA04_19-Asbestos-in-electrical-meters-and-relays.pdf