

Our Ref: S15561-SS-001-C

ATTENTION	Hugh Irving	EMAIL	Hugh.Irving@app.com.au
COMPANY	APP	PROJECT NAME	Wenona Archimedes
FROM	Rob Caslick	PROJECT NUMBER	S15561
DATE	4 May 2015	TOTAL PAGES	03
ADVICE NO	01		

DA Services Statement - 255 - 265 Miller street

Dear Hugh,

Below is a DA Services Statement Summary for the Wenona School.

1.1 ELECTRICAL SERVICES

1.1.1 GENERAL SCOPE

The building electrical services and systems are to be designed and installed in accordance with all relevant Australian Standards, codes and authorities requirements. The base building electrical services will include:

- a) Power Supply;
- b) Low Voltage Power distribution;
- c) Power Factor Correction;
- d) Consumers Mains;
- e) Main Switchboards, within main switch rooms;
- f) Energy Retailer Metering;
- g) Sub mains;
- h) Distribution Boards;
- i) General light and power sub-circuit cabling;
- j) Internal and External Lighting and Controls;
- k) Emergency and exit Lighting;
- l) Energy Monitoring System (EMS);
- m) PV Cells
- n) Gas and/or Diesel Generator systems for base building and for tenant requirements;
- o) Lightning Protection System; and
- p) Earthing.

1.1.2 AUTHORITY APPLICATION

The maximum demand for the building is in the order of 600 Amps per phase. A new 500kVA kiosk substation is required for the new building. The kiosk substation requires 24 hour access from Ausgrid for maintenance and truck access. The kiosk substation location shall be carefully selected to conform to Ausgrid standards.

This includes kiosk substation to be installed 10 metres from fire hydrants and 6 metres away from any building ventilation and exhaust openings.



Level 3
47 Murray Street
Pyrmont
NSW 2009

 +61 2 9552 2022
 +61 2 9552 2044

info@medland.com.au
ABN : 81 010 761 378
www.medland.com.au

Sydney

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London

Any building structures requires to have a 2 hour fire rating if it is within three (3) metres in any direction from the housing of a kiosk substation. The new kiosk substation is to be in close proximity to the main switchroom.

An initial enquiry was lodged to Ausgrid for the power provision to the Wenona Archimedes project. Based on a load in the order of 600Amps, Ausgrid have requested a substation be established on site to make available the required capacity.

A substation location has been nominated on our spatial documentation on the Miller Street side of the building. On approval of the DA an application for connection (NECF03) will be lodged.



Location of proposed Substation



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1.2 MECHANICAL SERVICES

1.2.1 GENERAL SCOPE

The building electrical services and systems are to be designed and installed in accordance with all relevant Australian Standards, codes and authorities requirements.

The base building Mechanical services will include:

- Reverse Cycle heat recovery type specialist pool air conditioning units, dedicated for the main pool and learn to swim enclosures.
- Mixed mode ventilation and air conditioning to serve occupied zones, including staff, science teaching, eco hub and sports areas.
- Lower ground level pool and building services plant room ventilation.
- Pool deck change room exhaust ventilation.
- Kitchen ventilation to support range hood extraction in the Food Technology enclosure.

- f) Fume cupboard exhaust ventilation to serve the science hub laboratories.
- g) Exhaust ventilation to serve building's amenities and toilet areas.

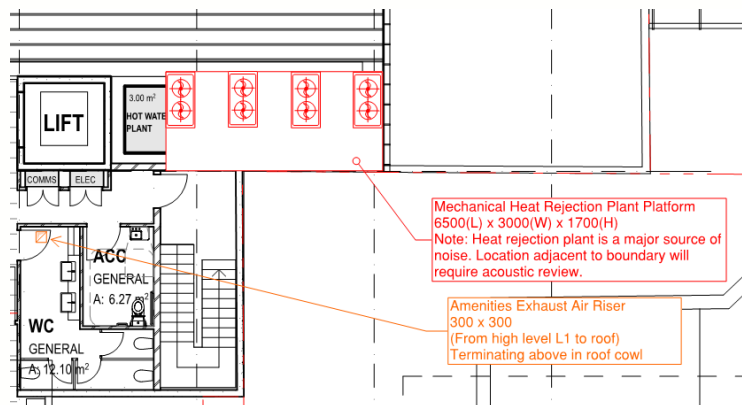
1.2.2 SYSTEM SELECTION

A variable refrigerant flow system is proposed for the Archimedes building at Wenona School. The decision to install a VRF system was due to the following:

- VRF systems' flexibility in outdoor plant layout: The building's tight building footprint and height restrictions will drive an adaptable, modular outdoor plant configuration, which can be readily achieved with a VRF system.
- Responsive, energy efficient start-up and cycle off: The building's dynamic heating and cooling demands will be required to respond quickly to changes in operation due to time scheduling (turning off during recess, lunchtime, between classes, etc) and also to mixed mode requirements, (turning off when ambient conditions are suited to natural ventilation or 'free cooling.'). A VRF system is more suited to dramatic and instantaneous shifts in cooling and heating requirements.
- Capital Cost: A VRF system will have a lower mechanical services capital cost implication.
- Operating Cost: A VRF system will successfully wind down during lower demands.

1.2.3 LOCATION OF AIR COOLED CONDENSERS

Air Conditioning condensers are located on the Level 2 roof.



Refer to page 7 of Mechanical Services Set for more detail.

1.2.4 AUTHORITY APPLICATION

No interface with authorities are required for the mechanical services.

Yours faithfully
MEDLAND METROPOLIS PTY LTD



Rob Caslick
Project Engineer



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Pyrmont
NSW 2009

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F +61 2 9552 2044

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DataNorth
<datanorth@ausgrid.com.au>

Sent by: Ingrid Foggo
<ifoggo@ausgrid.com.au>

17/02/2015 11:50 AM

To WTAI@MEDLAND.COM.AU

cc

bcc

Subject 265 MILLER STREET NORTH SYDNEY NSW 2065

Dear Connection Applicant

Premise Address:	265 MILLER STREET NORTH SYDNEY NSW 2065
Reference Number: AE	700001682

We have received your "Preliminary Enquiry" relating to the above mentioned address and have forwarded your enquiry to our Planning Section for consideration . If you have any questions, the Planning Section may be contacted on -

Phone: 1800 051 017

Please allow at least 10 working days for the enquiry to be initially processed within the Planning Section .

Installation Data - Central Coast
Phone: 02-43998000
Fax: 1300 662 089
Email: datanorth@ausgrid.com.au

This e-mail may contain confidential or privileged information.

If you have received it in error, please notify the sender immediately via return e-mail and then delete the original e-mail.

If you are the intended recipient, please note the change of sender email address to @ausgrid.com.au.

Ausgrid has collected your business contact details for dealing with you in your business capacity. More information about how we handle your personal information, including your right of access is contained at <http://www.ausgrid.com.au/>



Michelle Law
<MLaw@ausgrid.com.au>
16/03/2015 02:33 PM

To wtai@medland.com.au
cc
bcc
Subject B15/1535 - 1900052753 - 800069316 - 265 Miller St, North Sydney - Assessment Response

2 attachments



LT02A - 1900052753 - 20150316 - 265 Miller St, North Sydney.pdfContestability Process Flowchart 4-44.pdf

Dear Wilson,

Please see the attached correspondence regarding project address 265 Miller St, North Sydney.

Please note your project cannot progress until the Acceptance of Offer is signed and returned.

Should you require any further information please contact Team Leader Contestable Connections - Sydney North, Cedric Halferty on 02 9585 5663 or chalfort@ausgrid.com.au.

Ausgrid Reference(s) : B15/1535 - 1900052753 - 800069316

Regards,

Michelle Law | Administration Officer | Contestable Connections – Sydney North | Ausgrid
BLDG 3, 51-59 Bridge Road, Hornsby NSW 2077 AUSTRALIA
☎: 02 9269 4341 (Extn 34341) | 📠: 02 9477 8341 | ✉: MLaw@ausgrid.com.au |

Please consider the environment before printing this email

This e-mail may contain confidential or privileged information.
If you have received it in error, please notify the sender immediately
via return e-mail and then delete the original e-mail.

If you are the intended recipient, please note the change of sender email address to @ausgrid.com.au.

Ausgrid has collected your business contact details for dealing with you in your business capacity. More information about how we handle your personal information, including your right of access is contained at <http://www.ausgrid.com.au/>



Address all relevant correspondence to:

Ausgrid Contestability Section
Building 3, 51-59 Bridge Road
Hornsby NSW 2077

E: Contestability@ausgrid.com.au
F: 02 94778341

16/03/15

Wilson Tai
Medland Metropolis

Email: wtai@medland.com

Reference Number: 1900052753

Dear Wilson,

Electricity Network Connection Application at: 265 Miller St, North Sydney NSW 2060

We have received your Connection Application dated 09/03/15, and assigned it reference number 1900052753.

We have assessed your application and wish to advise that in order for your Connection Application to be complete you will need to provide a certified design number. This letter provides guidance on how to obtain a certified design and associated number.

Network Alterations

To connect your development, alterations will need to be made to our network. We anticipate that the following alterations will be required:

- ☐ A kiosk substation.

These works are classified as Connection Works, which means that you will be required to fund the design and some or all of the construction works. In this regard, you will need to engage and manage suitably qualified contractors, known as Accredited Service Providers (ASP's) to undertake the design and construction.

Once the works have been satisfactorily completed and electrified, the connection assets will be owned and maintained by Ausgrid as part of our electricity distribution network. The timeframe for the works will vary depending on factors such as the complexity and the way in which you manage your ASP's.

Design Contract - Connection Assets

To proceed with the connection project, you or the person you represent must now engage an Accredited Service Provider Level 3 (ASP/3) to design the necessary network assets. Ausgrid will certify the design in accordance with our Design Contract – Connection Assets.

Once the design has been certified in accordance with the Design Contract – Connection Assets, your connection application will be complete and you may use the design certification number to request a connection offer or expedited connection, provided you assure Ausgrid that the development at the *premises* has not materially changed since you submitted your original connection application.

This letter is an offer to enter into a Design Contract – Connection Assets. It remains open for acceptance for 45 days. A copy of the Design Contract – Connection Assets is available for your review on our website <http://www.ausgrid.com.au> at the following link: [Design Contract - Connection Assets](#)

Acceptance Fees

The acceptance fees relating to this contract are payable upon acceptance. In this regard, Ausgrid will invoice you once we receive your signed acceptance form.

The fee amounts to be invoiced are made up as follows (GST inclusive).

Design Information	\$1443.20
Design Certification	\$649.20
Administration	\$433.20
TOTAL	\$2525.60

General

Standard Ausgrid documents mentioned in this letter, including those enclosed, are available on Ausgrid website www.ausgrid.com.au. If you do not have access to the web and would like to read any of the documents mentioned in this letter they may be obtained by contacting the phone number below.

Should you require any further information please contact me on the phone number or email address detailed below.

What to do next

Read the Design Contract – Connection Assets on our website.

To accept our offer to enter into a **Design Contract – Connection Assets**,

- ☐ Complete and sign the Acceptance of Offer in the space provided below and return it to Ausgrid. Note that a tax invoice will be generated based on the details provided on the form.
- ☐ You will also need to pay Ausgrid's fees of **\$2525.60**. An invoice for this amount will be forwarded to you on acceptance of the contract.

Yours sincerely,



Cedric Halforty

Team Leader Contestable Connections
Sydney North
Ausgrid

Direct Telephone Number: 9585 5663
Email: chalfort@ausgrid.com.au
Facsimile: 02 94778341

Encl: Acceptance of Offer Form
Contestable Connection or Relocation flowchart

Acceptance of Offer

Ausgrid - MC Reference Number: 1900052753

Ausgrid - AP/AE Reference Number: 800069316

Ausgrid - Trim Reference Number: B15/1535

Premises: 265 Miller St, North Sydney NSW 2060

The Connection Applicant accepts the above Ausgrid's offer of a design contract in relation to the design of connection assets at the above premises.

Note: a tax invoice will be generated based on the details provided on this form.

Signed by the Connection Applicant

_____ (signature)

_____ (print name of signatory)

_____ (print position of signatory)

_____ (Date)

_____ (company name)

_____ (ABN)

_____ (postal address - line 1)

_____ (postal address - line 2)

_____ (state and postcode)

_____ (email address)

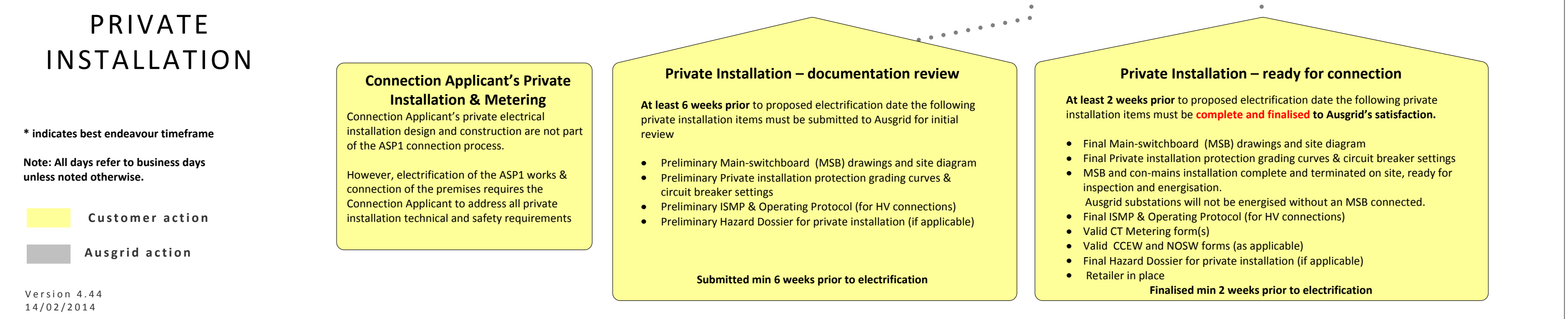
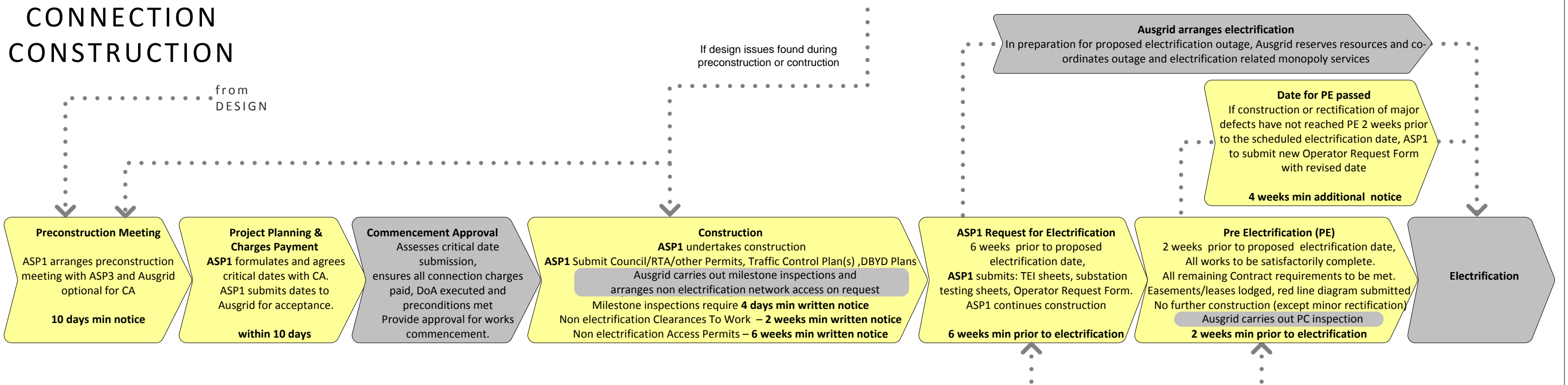
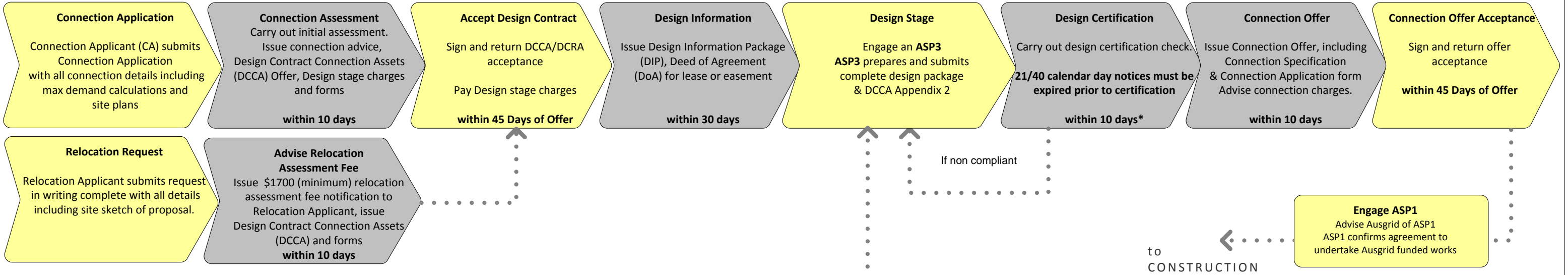
_____ (contact phone number)

AUSGRID USE ONLY:

DATE OF RECEIPT: _____

CONNECTION DESIGN

NETWORK CONNECTION OR RELOCATION PROCESS



* indicates best endeavour timeframe

Note: All days refer to business days unless noted otherwise.

- Customer action
- Ausgrid action