

WA B2B Procedure

Service Order Process

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This document uses, as a baseline, the NEM
Version 1.4 of the B2B Procedure Service
Order Process.

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High-level statements

This document defines the Service Order Process supporting the operation of the WA electricity market B2B Procedures.

This document is based on the NEMMCO document B2B Procedure: Service Order Process, Version 1.4, Published 30 June 2007. This version of the NEMMCO document remains valid, save for the exceptions/deviations that are specified in the WA version.

This document uses **red** text to highlight where changes have been made to the baselined source document. Due to the limitations in page real estate that Acrobat documents put in place, there will be occasions where it will be necessary to insert or append pages. When this has to happen, it will not be practicable to renumber Acrobat page numbers. Accordingly, if significant information needs to be inserted on page 2, new pages 2a, 2b, etc. will be inserted between pages 2 and 3.

Within this WA B2B Procedure: Service Order Process document:

- **MSATS** should be taken to read “the Network Operator’s systems that support standing data and customer transfer”.
- **CATS** should be taken to read “the Network Operator’s systems that support the transfer of customers under the Customer Transfer Code 2004.”
- **DNSP** should be taken to read “the Network Operator”.
- **NEMMCO** should be taken to read “the WA Network Operator, in its role as the market data manager.”
- **NEMMCO B2B** should be taken to read “the B2B system operated within Western Australia by the Network Operator”.
- **MDP** should be taken to read “Network Operator”.
- **aseXML** should be taken to read “waeXML”.
- **MSATS B2B Handler** should be taken to read “WA B2B Gateway”.
- **National B2B Infrastructure** should be taken to read “WA B2B Infrastructure”.
- **B2B Browser Application** should be taken to read “Metering Service Centre”.
- **MSATS Procedures** refer to the schedule of documents that support the operation the WA Electricity Market. Part 4 of the Electricity Industry Metering Code 2005 Communication Rules defines this schedule.
- **Rules** should be taken to read as a reference to the Metering Code 2005 and the Customer Transfer Code 2004, plus all their subsidiary documents that give legal and regulatory foundation to the operation of the WA Electricity Market.

Document History

Version	Date	Author	Comments
0.5	10/7/2008	Western Power	This document is based on the NEMMCO document B2B Procedure Service Order Process, Version 1.4, Published 30 June 2007
0.6	18/12/2008	Western Power	Minor adjustments following feedback from NEMMCO. To avoid confusion, references to NEMMCO and the National Electricity Rules have been changed or removed.
0.7	11/12/2015	Western Power	Amendment to clerical errors in New Connections
0.8	29/11/2019	Western Power	Amendments to support Advance Metering Infrastructure

Interpretation

For details of the interpretation of key words, such as addresses, dates, times and field types, refer to the WA B2B Procedure: Technical Guidelines for B2B Procedures.

Documentation Conventions

Refer to the WA B2B Procedure: Technical Guidelines for B2B Procedures for the details of the documentation conventions.

1 INTRODUCTION

1.1 Document Structure

- a. Section One provides an introduction and context to this Procedure.
- b. Section Two describes the types of Service Order, and their business context. This section includes details the high-level process flows for Service Orders.
- c. Section Three defines the Timing Requirements for the Service Order Process.
- d. Section Four itemises the data to be provided in each transaction (and for each type of Service Order).

1.2 Introduction

- a. ~~This B2B Procedure: Service Order Process (“Procedure”) is deemed to have been the subject of an Information Exchange Committee Recommendation and to have been approved by NEMMCO in accordance with clause 7.2A.5.a.1 of the National Electricity Rules (“Rules”).~~
- b. **This document comes into operation in accordance with the WA Electricity Industry Customer Transfer Code 2004 and the WA Electricity Industry Metering Code 2005 (“Rules”).**
- c. This Procedure (including this provision) may only be amended in accordance with **the change management procedure described in the Electricity Industry Metering Code 2005 Communication Rules**
- d. In the event of any inconsistency between this Procedure and the provisions of the Rules, the provisions of the Rules shall prevail to the extent of any inconsistency.
- e. In the event of any inconsistency between this Procedure and the provisions of the relevant Metrology Procedure, the provisions of the Metrology Procedure shall prevail to the extent of any inconsistency.
- f. ~~In the event of any inconsistency between this Procedure and the provisions of a MSATS Procedure, the MSATS Procedure shall prevail to the extent of any inconsistency.~~
- g. In the event of any inconsistency between this Procedure and the provisions of the **WA B2B Procedure: Technical Delivery Specification** and/or the provisions of the **WA B2B Procedure: Technical Guidelines for B2B Procedures** (together referred to as the “B2B Technical Procedures”), unless this Procedure provides otherwise, the relevant B2B Technical Procedure shall prevail to the extent of any inconsistency.
- h. In this Procedure, a word or phrase which commences with capital letters has the meaning given to it:
 1. in this Procedure;
 2. if no meaning is given to it in this Procedure, then as that term is defined in the Technical Guidelines for B2B Procedures; or

3. if no meaning is given to it in the Technical Guidelines for B2B Procedures, then as that term is defined in the Rules.
- i. This Procedure shall be interpreted in accordance with the rules of interpretation set out in clause 1.7 of the Rules and the Technical Guidelines for B2B Procedures. Provisions which are placed in a square box coloured grey are provided by way of explanation and to assist readers and do not form any obligation on Participants nor do they affect the interpretation of this Procedure.

1.3 Jurisdictional Instruments

- a. ~~Certain obligations contained in this Procedure reflect the requirements of Registered Participants stated in relevant jurisdictional instruments, as those jurisdictional instruments existed on 23 December 2004.~~ To the extent of any inconsistency between this Procedure and the provisions of any relevant jurisdictional instrument, the relevant jurisdictional instrument shall prevail to the extent of such inconsistency.

1.4 Purpose

- a. This Procedure defines standard process and transaction data requirements, which apply to Participants in the ~~N~~WAEM. This Procedure enable Retailers to request defined services (“Service Orders”) from Service Providers and to receive confirmation that the work will or will not be undertaken (or attempted) and subsequently that the work has or has not been completed as requested using a consistently understood process and transactions.
- b. This Procedure assumes the use of automated business processes using the agreed industry standard of ~~ase~~waXML messaging.

1.5 Scope

- a. Within the context of this Procedure, all Service Orders are raised by Retailers and fulfilled by a Service Provider. The types of Service Orders are described in Section 2.1.a.

1.5.1 Inclusions

- a. This Procedure describes the high-level process and transaction data requirements for the Service Order types listed in Section 2.1.a.

1.5.2 Exclusions

- a. This Procedure does not apply to:
 1. processes for unmetered supplies – as this is usually organised between the Customer and Service Provider / Retailer directly;
 2. requests for network augmentation or changes to the network to support installation modifications;
 3. new connections and metering work performed by Accredited Service Providers in NSW – as this process involves a third Party, with interactions managed by paperwork;

4. automated / electronic Service Order status requests. The Retailer should contact the Service Provider if they require a status report (refer to sections 3.2 and 3.3 for details of expected response times for the process steps).
5. any updates to MSATS that may be required during any of these Service Order processes;
6. the technical infrastructure and delivery mechanism allowing Participants to send and receive Service Order transactions; or
7. the reporting of faults and emergencies, such as off-peak relay failure (“no hot water”) or loss of power.

1.5.3 Requirement for Documentation

- a. This Procedure does not remove the need for related paperwork for individual Service Order processes (such as an electrical work request or a notice of work request).

1.6 Use of ~~ase~~waeXML

- a. A Participant must use the agreed industry standard of ~~ase~~waeXML messaging to deliver Transactions pursuant to this Procedure.

1.7 Application of this Procedure

- a. In accordance with and subject to the provisions in clause 1.6 of the ~~Metering Code~~, Participants, ~~NEMMCO~~ and Metering Providers must comply with this Procedure except to the extent set out in paragraph 1.7(b) below.
- b. ~~In accordance with clause 7.2A.4(k) of the Rules~~ Participants may on such terms and conditions as agreed between them communicate a B2B Communication on a basis other than as set out in this Procedure, in which case the parties to the agreement need not comply with this Procedure to the extent that the terms and conditions agreed between them are inconsistent with this Procedure.
- c. See Section 2.1.1 for details of the application of each transaction by Jurisdiction

1.8 Enforceability of the Procedures

- a. The Procedure is enforceable by the ~~Economic Regulation Authority (ERA)~~ in accordance with its powers under ~~the Electricity Industry Metering Code 2005 section 15 of the National Electricity Law~~.

1.9 Terminology and Definitions

1.9.1 Interpretation of Time

- a. All times (related to the conduct of the work) refer to the local time for the Site (where the work requested is to be carried out). Local time is inclusive of daylight saving time changes.

1.9.2 Terminology

- a. In this Procedure:

The term "Retailer" is used to refer to a Current Retailer (FRMP), the Previous Retailer, or a Prospective Retailer.

The term "Service Provider" is used to refer to the DNSP or MDP or MPB as appropriate for a given type of Service Order.

The term "Customer" includes their nominated agent.

The term "Urgent" applies to situations where the Retailer either requires the Request to be actioned by the Service Provider earlier than the obligated timeframe, or needs to cancel work that the Retailer expects to occur today or the next Business Day.

1.9.3 Business Documents

- a. In this Procedure, the term "Business Document" is used to refer to the key B2B transactions sent between the Retailer and Service Provider. In this Procedure, the relevant Business Documents are:
1. ServiceOrderRequest;
 2. ServiceOrderResponse, and the
 3. ServiceOrderAppointmentNotification.

1.9.4 Business Signals

- a. This Procedure requires that the technical delivery mechanism support the following "Business Signals":
1. BusinessReceipt; and
 2. BusinessAcceptance/Rejection
- b. A BusinessReceipt indicates that a Business Document has been received and its contents indicate if it is readable by the Recipient.
- c. A BusinessAcceptance/Rejection represents formal acceptance or rejection of the appropriate Business Document by the Recipient based on the application of business rules.

1.10 Related Documents

- a. This Procedure has been prepared in conjunction with and should be read in conjunction with:
1. **WA** B2B Procedure: Technical Delivery Specification;
 2. **WA** B2B Procedure: Technical Guidelines for B2B Procedures; and
 3. MSATS Procedures: CATS Procedures.
- b. Participants should also refer to the following documents. It should be noted that these documents have been prepared by way of assistance only and are not a legally binding document nor does it affect in any way the interpretation of this Procedure.
1. Participant Build Pack - B2B System Interface Definitions-
 2. ~~Frequently Asked Questions: Service Order Process~~

2 BUSINESS PROCESS

2.1 Process Overview

- a. There are ten types of Service Orders. The table below describes each type and details each one's business context.

Note that "obsolete terminology" is included here to describe how the Service Order types have been derived, and what types of work they cover. As different businesses have typically used different terms, there are often multiple obsolete terms for the same type of work. Participants must use the new Service Order types when referring to work.

Service Order Type	Description	Typical Triggers	Obsolete Terminology
Allocate NMI	Retailer requests a NMI for a Site prior to its connection to the network.	Customer contracts with a Retailer and the Retailer wants the Site to be allocated to the Retailer from the date of creation of the NMI.	Greenfield NMI creation
New Connection (Not NSW)	Retailer requests a Service Provider to arrange a new supply connection to a specified address. Retailer specifies preferred timeframe and relevant installation requirements.	Customer contacts a Retailer to make arrangements for a new supply connection at a specified address. A new connection can arise in a number of circumstances, including: <ul style="list-style-type: none"> a Customer moving into a new premise which currently does not receive an electricity supply; or a builder wishes to provide permanent or temporary supply to new properties under construction. 	New Supply Install Meter Greenfield Connection
Re-energisation	Retailer requests a Service Provider to arrange for a Connection Point to be re-energised. Methods include: <ul style="list-style-type: none"> Insert Fuse Remote re-energise (AMI) Main switch Meter connection Connection at pole or pillar or pit Remove sticker 	Energisation of a new supply where a previous new connection <u>ServiceOrderRequest</u> required the Site to be left de-energised. Re-energisation of a Site following a request to de-energise. A need to re-energise a Connection Point arises where a Customer: <ul style="list-style-type: none"> is moving into a premise; or has previously requested that a supply be temporarily de-energised and now wishes the supply restored; or has been disconnected for non-payment. 	Turn-on Move in Reconnection Energisation Insert Fuse Remove Sticker

Service Order Type	Description	Typical Triggers	Obsolete Terminology
De-energisation	<p>Retailer requests Service Provider to arrange for a Connection Point to be de-energised.</p> <p>Methods include:</p> <ul style="list-style-type: none"> • Remove Fuse • <u>Remote de-energise (AMI)</u> • Turn off main switch and sticker • Turn off main switch • Meter Disconnection (meter wire disconnection or turn meter) • Disconnection at pole top, pillar box or pit 	<p>A need to de-energise a Connection Point can arise in these situations:</p> <ul style="list-style-type: none"> • where the Retailer has grounds to proceed with a De-energisation for non-payment (where the Customer has failed to meet their obligations under jurisdictional rules). • the Customer requires a temporary disconnection of supply because the Site is to be left vacant for a time; or • the Customer is moving out of a premise and no new tenant has requested supply at the same address. 	<p>Turn-off</p> <p>Disconnection</p> <p>Remove Fuse</p> <p>Apply sticker</p> <p>Move out</p>
Special Read	<p>Retailer requests a Service Provider to perform a Special Read of a manually-read meter.</p> <p>This is a reading not associated with a Re-energisation or a De-energisation.</p>	<p>A need to obtain a Special Read (rather than a scheduled read) arises for manually-read metering where an out of cycle reading is required.</p>	<p>Check Read</p> <p>Final read</p> <p>Start read</p> <p>Opening read</p>
Additions and Alterations (Not NSW)	<p>Retailer requests a Service Provider to change the metering associated with a Connection Point.</p> <p>This Service Order Process applies to all physical changes to a Connection Point during its life cycle. It excludes New Connection and Supply Abolishment. Additional exclusions are listed at 1.5.2.b.</p>	<p>An adds/alts <u>ServiceOrderRequest</u> can arise for a large number of reasons related to making a physical change to the supply at a given Connection Point. These include:</p> <ul style="list-style-type: none"> • Installation or Decommissioning of a hot water meter; or • Removal of meter/time-switch; or • Change a single phase supply into a multi-phase supply (metering only); or • Meter replacement (at request of Retailer); • Relocation of the service line not involving change of the NMI for a Connection Point; or • Move a meter (eg. to facilitate building works at Customer's Site) but not decommission the NMI. 	<p>There are a wide range of terms related to Additions and alterations related to the specific service requested (such as installation of a new hot water meter). These are not included here.</p>

Service Order Type		Description	Typical Triggers	Obsolete Terminology
Meter Reconfiguration		Retailer requests the Service Provider to reconfigure/ reprogram the metering at a given Connection Point.	This includes: <ul style="list-style-type: none"> • Change the hours of application of different registers (eg. peak and off-peak boundaries). • Turn on/off off-peak registers. • Off peak conversion (change from one off-peak control load tariff to another). A meter reconfiguration ServiceOrderRequest usually arises where the Retailer needs to reprogram a meter to reflect a tariff change to the Customer.	Meter Reprogramming Register Reconfiguration Off peak tariff change Off peak conversion Tariff change
Meter Investigation		Retailer requests Service Provider to investigate the metering at a given Connection Point. Retailer may provide a context for this request.	A need to investigate a Connection Point can arise in two distinct situations: <ul style="list-style-type: none"> • where a Customer raises a request with their Retailer to investigate a meter fault; or • where the Retailer has grounds to proceed with an investigation. Typically a Customer may request an investigation where they believe that there is a problem with the metering installation. A Retailer may request an investigation on the grounds of: <ul style="list-style-type: none"> • suspected fraud/tampering; • consistent abnormal meter readings suspected to be caused by a faulty meter. 	Meter Fault investigation Meter Fraud investigation Meter Tamper investigation Meter inspection Meter Testing
Supply Abolishment		Retailer requests the Service Provider to abolish supply at a given Connection Point. This involves decommissioning of a NMI and all associated metering (eg. demolition of Customer's Site). Whilst this Service Order can be used to terminate a single meter, it should only be used where the removal of this single meter also constitutes the abolishment of the supply.	Typically a Customer (or their agent) may request a Supply Abolishment for a number of reasons, such as where: <ul style="list-style-type: none"> • a property is to be demolished or its usage changed and a supply is no longer required; or • an alternative Connection Point can be used and the redundant supply is to be removed. Note: no De-energisation Request required unless the De-energisation is to take place at some time prior to the supply abolishment.	Supply point termination Permanent Disconnection

Service Order Type	Description	Typical Triggers	Obsolete Terminology
Miscellaneous Services	<p>Retailer requests the Service Provider to perform a service not covered by one of the above Service Order types.</p> <p>One example of a Miscellaneous Service Order is a Drop and Reconnect” (or other temporary disconnection to supply).</p>	<p>Retailer needs to request an agreed Service Provider service that is not covered under any other type of <u>ServiceOrderRequest</u>.</p> <p>N.B. "Painters' Disconnects" should be arranged via a Network Services Form that is available from the Network Operator's website.</p>	“Other” Service Order”

2.1.1 Jurisdictional Applicability and Variations

- a. This Procedure applies to Service Orders in respect of all NMIs located in a Participating Jurisdiction excluding:
1. Those with a Metering Installation Type 1 to 4 where the work requested is a contestable service;or
 2. Those that are wholesale boundary points where the work requested is a metering services

Service Order Type	ACT	NSW	QLD	SA	VIC	TAS	WA
Allocate NMI	Yes	Yes	No	No	No	No	No
New Connection	Yes	No	Yes	Yes	Yes	No	Yes
Re-energisation	Yes	Yes	Yes	Yes	Yes	No	Yes
De-energisation	Yes	Yes	Yes	Yes	Yes	No	Yes
Special Read	Yes	Yes	Yes	Yes	Yes	No	Yes
Adds and Alts	Yes	No	Yes	Yes	Yes	No	Yes
Meter Reconfiguration	Yes	Yes	Yes	Yes	Yes	No	Yes
Meter Investigation	Yes	Yes	Yes	Yes	Yes	No	Yes
Supply Abolishment	Yes	Yes	Yes	Yes	Yes	No	Yes
Miscellaneous	Yes	Yes	Yes	Yes	Yes	No	Yes

Key	
Yes	Applicable as defined.
No	Not applicable.

- b. A Prospective Retailer is only permitted to send an Allocate NMI, New Connection, Special Read (excluding ones with a *ServiceOrderSubType* of “~~Check~~Final Read”¹), Re-energisation, Meter Reconfiguration, or Adds and Alts ServiceOrderRequest.
- c. A Previous Retailer for a NMI that is the subject of the ServiceOrderRequest is only permitted to raise a Meter Investigation or ~~Special Read (with *ServiceOrderSubType* of “Check Read”)~~ ServiceOrderRequest.
- d. If a DNSP is the RP for the NMI, then the Retailer must send any ServiceOrderRequest to the DNSP. If the DNSP is not the RP for the NMI, then the Retailer must send any ServiceOrderRequest to the appropriate Participant responsible for the required service.
- e. The Service Provider must ensure that the *ServiceProviderID* receiving the ServiceOrderRequest must be the same *ServiceProviderID* used in the ServiceOrderResponse.
- f. The Service Provider must return a BusinessReceipt to the Retailer to confirm that they have received the ServiceOrderRequest.
- g. The Service Provider must send a BusinessAcceptance/Rejection to the Retailer.
- h. If a Service Provider wishes to reject a ServiceOrderRequest, the Service Provider must indicate the reason for rejecting a Request by the use of an appropriate *EventCode* in a BusinessAcceptance/Rejection transaction. Refer section 4.4.1 for the list of relevant *EventCodes*.
- i. If the Service Provider rejects the ServiceOrderRequest, the Retailer may seek further clarification from the Service Provider or dispute the rejection. Where the Service Provider has inappropriately rejected the ServiceOrderRequest, the Retailer must raise a ServiceOrderRequest if they still require the work to be done. Where the Retailer raises a replacement ServiceOrderRequest, the Retailer must:
 1. Agree with the Service Provider that the Retailer may issue a replacement ServiceOrderRequest with an *ActionType* of “Replace”;
 2. Use an *ActionType* of “Replace”;
 3. Use a new *RetServiceOrder* value; and
 4. Include the *RetServiceOrder* value of the rejected Request in the *SpecialInstructions* field.

The Service Provider must use reasonable endeavours to meet the original Timing Requirement for the completion of requested work that was inappropriately rejected.

¹ Limitation required for the management of multiple Service Orders. Refer 2.12.14. This also ensures that there is no overlap between the types of Service Orders that can be raised by Prospective and Previous Retailers.

- j. On accepting the ServiceOrderRequest, the Service Provider must use reasonable endeavours to complete the work within the Required Timeframe for the Completion of the Requested Work.
- k. With the exception of the Allocate NMI and Miscellaneous ServiceOrderRequests, the requested work will always require the taking of a meter reading. A meter reading is not required for an Allocate NMI ServiceOrderRequest. A meter reading may be required for a Miscellaneous ServiceOrderRequest, depending on the nature of the work. Refer 2.12.1.f.
- l. Upon the successful, or unsuccessful, completion of the work, or the cancellation of a ServiceOrderRequest, the Service Provider must send a ServiceOrderResponse (see Section 4.2) to the Retailer with details of the status of the requested work.
- m. If the Service Provider issues a ServiceOrderResponse with a *ServiceOrderStatus* of “Partially Completed” or “Not Completed”, the Retailer must raise a new ServiceOrderRequest if they still require the work to be completed.
- n. The Retailer must indicate receipt of the ServiceOrderResponse with a BusinessReceipt transaction. If the Retailer considers that incomplete or incorrect information has been provided in the ServiceOrderResponse, the Retailer must send the Service Provider a BusinessAcceptance/Rejection transaction indicating a rejection.
- o. The process ends when the Retailer sends the Service Provider a BusinessAcceptance/Rejection transaction. Refer 2.7.

2.3 Organising an Appointment

- a. Appointments for Service Orders are only supported where the relevant parties have a bilateral agreement that specifically deals with Appointments. The *CustomersPreferredDateAndTime* field in the ServiceOrderRequest should be used to support any bilateral agreements and a confirmed appointment (agreed between the Retailer and Service Provider) must also include an *AppointmentReference*.

2.4 Raising a ServiceOrderRequest

- a. The Retailer must send a Service Order as a ServiceOrderRequest to the appropriate Service Provider.
- b. The ServiceOrderRequest must include the *ActionType* set to “New” to indicate that this is a new Request.

2.5 Acknowledging Receipt of the ServiceOrderRequest

- a. Upon receipt of a ServiceOrderRequest, a Service Provider must acknowledge receipt of the ServiceOrderRequest using a BusinessReceipt. This indicates that the Service Order has been received and is readable by the Recipient.
- b. The Service Provider must send a BusinessAcceptance/Rejection to the Retailer, following a business validation of the ServiceOrderRequest. This process

provides the Retailer with timely acknowledgment that the *ServiceOrderRequest* has been validated and it is either understood and accepted by the Service Provider, or rejected.

1. A *BusinessAcceptance/Rejection* with a Business Event of 'Accept' indicates that the Service Provider reasonably believes they will be able to complete the work within the Required Timeframe for the Completion of the Requested Work. (please see additional information on next page - 16a)
 2. Reasons for a business rejection and/or validation errors must be advised to the Retailer using *EventCodes* (refer 4.4) in a *BusinessAcceptance/Rejection* transaction.
- c. Retailers acknowledge and accept that a Service Provider will reject all De-energisation, Supply Abolishment and Miscellaneous services *ServiceOrderRequests* from Retailers who are not the Current Retailer for a Site. The *BusinessAcceptance/Rejection* will use an *EventCode* indicating "Retailer Is Not Permitted To Raise This Service Order Type". Refer 2.2.1.b and c.
- d. Where the Retailer receives a *BusinessAcceptance/Rejection* transaction indicating that there were validation errors, the Retailer should address any issues and, if necessary, submit a new *ServiceOrderRequest* with a new *RetServiceOrder*. In this situation the Retailer must not issue a "Cancel" *ServiceOrderRequest* to the Service Provider for the original (invalid) *ServiceOrderRequest*.
- e. Where the Retailer does not receive a *BusinessReceipt* or *BusinessAcceptance/Rejection* from the Service Provider, the Retailer should investigate the failure of the delivery and notify the Service Provider if the problem is deemed to lie with the Service Provider, resending the original *ServiceOrderRequest*, as appropriate.

2.6 Actioning the *ServiceOrderRequest*

- a. The Service Provider must schedule and must use reasonable endeavours to complete the work, taking into account any *SpecialInstructions* and Appointment details contained in the *ServiceOrderRequest*.

2.6.1 Service Orders Requiring Customer Consultation

- a. In order to complete the work requested by the Retailer, there are some instances where the Service Provider may need to consult directly with the End-use Customer. These situations tend to arise, for example, in De-energisations/Re-energisations or temporary disconnections for large business/commercial/industrial Customers.
- b. Where the Retailer requests the Service Provider to consult with the Customer to make arrangements for the completion of the work requested, the Retailer must:
1. Use the value of "Yes" in *CustomerConsultationRequired* and must provide the reason for the need to consult the Customer in *SpecialInstructions* of the *ServiceOrderRequest*.

c. For AMI meters, where the Service Provider has successfully completed a Re-energisation request, the meter will be placed into an armed state. Once a meter is armed, electricity flows are enabled by pressing a button on the meter, at the site. This action may be performed by the retailer, customer or by the Service Provider under a service level agreement.

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2.5. b. 1. cont'd

If the Schedule Date is within the lead days and a completion window is applicable to the Service Order Request, the date is automatically delayed so that it is not within the lead days:

- if *Scheduled Date* \geq *Today's Date* + *Lead Days*
then No change the Scheduled Date
- if *Scheduled Date* $<$ *Today's Date* + *Lead Days*
then Scheduled Date = Today's Date + Lead Days

If the Scheduled Date is delayed then the acknowledgement of the transaction will contain the appropriate code to indicate the reason for the delay.

2. Only use the value of "Yes" in *CustomerConsultationRequired* where the Retailer reasonably believes that customer consultation is required for the successful completion of the requested work.
 3. Have previously advised the Customer that the Service Provider will contact the Customer.
 4. Complete the *ContactName* and *ContactTelephoneNumber* fields in the *ServiceOrderRequest*.
- c. The Service Provider must use reasonable endeavours to consult with the Customer to make arrangements for the completion of the work requested where the Retailer has provided a value of "Yes" in *CustomerConsultationRequired*.
- d. In discussions between the Service Provider and the Customer, the nature of the work requested must not be changed without obtaining the consent of the Retailer. Where the nature of the work changes, the Service Provider must advise the Retailer and reach agreement regarding the resolution of the change in the scope of work (for example, the Retailer may need to cancel the original *ServiceOrderRequest* and issue a new one).

2.6.2 Scheduled Date and Customer Preferred Date and Time

- a. The Retailer must not put a retrospective date in the *ScheduledDate* field. Where the delivery of the *ServiceOrderRequest* to the Service Provider is delayed resulting in the *ScheduledDate* being retrospective, the *ScheduledDate* will be deemed to be the date the *ServiceOrderRequest* is received by the Service Provider.
- b. The Service Provider must use reasonable endeavours to complete the work requested (and accepted) on or after the *ScheduledDate* included in the *ServiceOrderRequest*, and within the Required Timeframe from this *ScheduledDate* unless there is a *CustomerPreferredDateAndTime*.
- c. Where a *CustomerPreferredDateAndTime* is included in the *ServiceOrderRequest*:
 1. This should represent the Customer's preference, as discussed between the Customer and the Retailer; or

2. A date and time, agreed between the Retailer and Service Provider to support exceptional Service Order requests (e.g. Re-energisation on a weekend with the ServiceOrderRequest sent the following Monday). Such requests must include details of the agreement in the *SpecialInstructions* field and have the same *RetServiceOrder* quoted by the Retailer to the Service Provider by phone. In this instance, the *CustomerPreferredDateAndTime* is the date agreed by both parties for the work to be completed; or
 3. Where a Customer advises the Retailer they have already moved into the Site and the Site is energised (left energised or energised by the Customer), if the Retailer requires a move-in reading the Retailer may raise a Re-energisation ServiceOrderRequest with a *ServiceOrderSubType* of “Retrospective Move-in”, a *CustomerPreferredDateAndTime* that matches the move-in date, and a prospective *ScheduledDate*. The Service Provider will provide a meter reading in accordance with the Metrology Procedure, undertaking field work if necessary.
- d. Where there is no bilateral agreement between the Retailer and the Service Provider supporting Retailer-established appointments (and no *AppointmentReference* is provided – refer 2.3), the Service Provider must use reasonable endeavours to comply with the time and date preference stipulated in the ServiceOrderRequest.
 - e. The *ScheduledDate* must not be more than 100 calendar days in the future.
 - f. The Retailer must not put a retrospective date in the *CustomerPreferredDateAndTime* field other than for a Retrospective Move-in (See 2.6.2.c.3).

2.6.3 Where work will not be completed within the Required Timeframe

- a. The term ‘Required Timeframe’ refers to the timeframes required for the completion of Service Order activities. See Section 3.3.5 of this Procedure.
- b. The following provisions cover the various aspects related to difficulties completing work within the Required Timeframe.
- c. **Where a Service Provider and Customer agree an alternative timeframe within the Required Timeframe for the completion of requested work, this arrangement takes precedence over any *CustomerPreferredDateAndTime*. If a customer requests a Timeframe outside of the Required Timeframe, the Service Provider must inform the Retailer with an appropriate message in the *SpecialNotes* field of the ServiceOrderResponse. The Service Order will have a *ServiceOrderStatus* of “Not Completed”.**
- d. Subject to specific provisions detailed in 3.3.5, the Required Timeframe is deemed to start from the *ScheduledDate*.
- e. Where the Service Provider is unable to complete the requested work within the Required Timeframe (from the *ScheduledDate*), the Service Provider must contact² the Retailer as soon as reasonably practicable to negotiate a new date. This situation may arise:
 1. When the Service Provider first receives the ServiceOrderRequest and has an issue with the *ScheduledDate* requested by the Retailer; or
 2. If unforeseen circumstances arise during the scheduling or completion of the work which may impact on completion of the work within the Required

Timeframe of the *ScheduledDate*.

- f. If the Service Provider becomes aware of an inability to meet the Required Timeframe then, prior to sending a *BusinessAcceptance/Rejection*, the Service Provider must telephone the Retailer to negotiate an acceptable date and confirm any arrangements via the *BusinessAcceptance/Rejection*.

An example would be where the Service Provider needs to make special arrangements for a large or complex Site.

- g. If the Service Provider becomes aware of an inability to meet the Required Timeframe after sending a *BusinessAcceptance/Rejection*:

2 The Retailer may choose to use email to confirm telephone agreements.

1. The Service Provider must telephone the Retailer to negotiate an acceptable date and confirm any arrangements via email; and
 2. The Retailer will either:
 - a) Note the change and update their systems accordingly, leaving the *ServiceOrderRequest* unchanged; or
 - b) Wait until the Service Provider sends a *ServiceOrderResponse*, then raise a new *ServiceOrderRequest* if necessary.
 3. If the *ServiceOrderStatus* is 'Partially Completed' or 'Not Completed', the Retailer may issue a new *ServiceOrderRequest* with amended details.
- h. Where a *CustomerPreferredDateAndTime* has been agreed (with an *AppointmentReference*) and the Appointment cannot be met, the Service Provider must telephone the Retailer to negotiate an acceptable alternative date (ie a new *CustomerPreferredDateAndTime*). In this instance, if the Retailer does not cancel and re-issue the *ServiceOrderRequest*, the Retailer must confirm any revised Appointment details with the Service Provider by email.

2.6.4 Raising a *ServiceOrderResponse*

- a. Upon the successful, or unsuccessful, completion of the work, or the cancellation of a *ServiceOrderRequest*, the Service Provider must send a *ServiceOrderResponse* (see Section 4.2) to the Retailer with details of the status of the requested work using *ServiceOrderStatus* and *ExceptionCode*.
- b. If the Retailer still requires work to be done, the Retailer must do so using a new *ServiceOrderRequest* (with a new *RetServiceOrder*).
- c. A Retailer must acknowledge receipt of the *ServiceOrderResponse* using a *BusinessReceipt* transaction. This acknowledges that the *ServiceOrderResponse* has been received.
- d. The Retailer must send a *BusinessAcceptance/Rejection*, following a business

validation of the ServiceOrderResponse. This process provides the Service Provider with timely acknowledgment that the ServiceOrderResponse has been validated and it is both understood and accepted by the Retailer.

- e. Where the Service Provider does not receive a BusinessReceipt or BusinessAcceptance/Rejection from the Retailer, the Service Provider may investigate the failure of the delivery and notify the Retailer if the Service Provider reasonably considers that delivery failure lies with the Retailer, resending the original ServiceOrderResponse, as appropriate.

2.6.5 Use of Status, Exception and Product Codes in ServiceOrderResponses

- a. The *ServiceOrderStatus* reflects whether the requested work was:
 - 1. Completed (“Completed”) - If all aspects of the work that is the subject of the ServiceOrderRequest is completed by the Service Provider the Service Provider must put a Code of “Completed” in the *ServiceOrderStatus* field. In this case, the *ExceptionCode* is not required.
 - 2. Partially completed (“Partially Completed”) - If the Service Provider has completed the primary work (described by the *ServiceOrderType*) but was unable to complete the associated actual meter reading, the Service Provider must complete the *ServiceOrderStatus* as “Partially Completed”. In this case a substituted meter reading will be provided and the Service Provider must use an *ExceptionCode* to indicate the reason the meter read could not be taken.
 - 3. Not completed (“Not Completed”) - If the primary work requested could not be completely fulfilled, the Service Provider must complete the *ServiceOrderStatus* as “Not Completed” and the reason for the work being incomplete must be indicated using an *ExceptionCode*.
- b. The Service Provider must identify any chargeable work by using one or more applicable *ProductCodes*.
- c. Specific requirements apply to the use of the “Cost TBA” code as follows:
 - 1. The *ProductCode* “Cost TBA” must not be used for Re-energisation, De-energisation and Special Read ServiceOrderRequests; and
 - 2. The *ProductCode* “Cost TBA” must only be used when the Service Provider needs to do further investigation to determine what work was attempted or completed at the Site. This *ProductCode* must not be used as a default.
- d. Where the work done by the Service Provider does not match what was requested in the ServiceOrderRequest, the *ProductCode* must correspond to the actual work done, not what was requested. An example of this situation is where the Service Provider reconciles concurrent Requests for the same NMI (refer 2.12.14.d).

2.7 Closing the Service Order Process

- a. The Service Order Process ends when:
 - 1. The Retailer has confirmed acceptance of the ServiceOrderResponse with a BusinessAcceptance/Rejection transaction indicating acceptance; or
 - 2. The Retailer has rejected the ServiceOrderResponse (with a negative

BusinessAcceptance/Rejection transaction) and the Service Provider has investigated and communicated a reply with the results of the investigation by telephone or email to the Retailer. The Service Provider must communicate this reply within 2 business days. The Service Provider and the Retailer must negotiate a resolution of the situation, with the agreed resolution being reflected in each party's systems.

- b. If the requested work was partially completed (*ServiceOrderStatus*=" Partially Completed ") or not completed (*ServiceOrderStatus*=" Not Completed "), the Retailer may need to raise a new ServiceOrderRequest for follow-up work.

2.8 Delivery priorities

- a. 'High Priority' ServiceOrderRequests are defined as same day or next day Re-energisations or cancellations of same day Re-energisations or De-energisations.
- b. The Retailer may only use the *Priority* value of "High" (in the Message header) for 'High Priority' ServiceOrderRequests.

- c. The Service Provider must not reject an otherwise valid ServiceOrderRequest due to the incorrect use of the “High” *Priority* value.
- d. Delivery priority (the Message *Priority* field) must only be used to prioritise the retrieval, validation and acknowledgement of ServiceOrderRequests.

2.9 Works Scheduling

- a. The Service Provider must use the *ServiceOrderType*, *ScheduledDate* and the *CustomerPreferredDateAndTime* fields to determine when the work should be scheduled and completed.

2.10 Cancelling a ServiceOrderRequest

- a. A Retailer may attempt to cancel the work associated with a ServiceOrderRequest up to the point at which a ServiceOrderResponse has been received. To do so, the Retailer must send a Service Order cancellation to the relevant Service Provider using a ServiceOrderRequest. The ServiceOrderRequest must have the *ActionType* set to “Cancel” and must quote the *RetServiceOrder* of the Request to be cancelled.
- b. If the Retailer needs to cancel a Service Order Urgently, this must be communicated to the Service Provider by phone. The Retailer must also send a “Cancel” ServiceOrderRequest on the same business day, unless otherwise agreed with the Service Provider.
- c. On receipt of a ServiceOrderRequest cancellation:
 - 1. If the original Request has been received by the Service Provider and a BusinessAcceptance/Rejection has not been sent, the Service Provider will:
 - a. Accept both Requests, and
 - b. Send a ServiceOrderResponse to the original ServiceOrderRequest with a Status of “Not Completed” and an *ExceptionCode* of “Retailer Cancellation”.
 - 2. If the original Request has been received and accepted by the Service Provider:
 - a) If the ServiceOrderRequest has been completed or the Service Provider is unable to cancel the field work, the Service Provider will reject the “Cancel” ServiceOrderRequest with an *EventCode* indicating “Unable to cancel ServiceOrderRequest. Requested work has commenced or is completed.”
 - b) If the ServiceOrderRequest has already been cancelled in the Service Provider system (e.g. triggered by a phone call from the Retailer for a same day cancellation) or the Service Provider is able to cancel the field work, the Service Provider will accept the “Cancel” ServiceOrderRequest.
 - 3. If the original ServiceOrderRequest has not been received by the Service Provider, the Service Provider must:
 - a) Wait for 30 minutes (to allow time for the associated “New” (or “Replace”) ServiceOrderRequest to arrive).
 - 1. If the “New” (or “Replace”) ServiceOrderRequest arrives:

- a) Accept the "New" (or "Replace") ServiceOrderRequest.
 - b) Accept the "Cancel" ServiceOrderRequest.
 - c) Provide a ServiceOrderResponse to the Service Order.
2. If the "New" (or "Replace") ServiceOrderRequest has not arrived:
- a) Reject the "Cancel" ServiceOrderRequest with an *EventCode* indicating "Unable To Cancel, Original Request Not Received".
4. If the "New" (or "Replace") ServiceOrderRequest subsequently arrives, the Service Provider will reject the Request using an *EventCode* indicating "Previous Cancellation Already Processed".
- d. Charges consistent with the allowed *ProductCodes* may apply for any cancelled ServiceOrderRequest.

2.11 Updating a ServiceOrderRequest

- a. Service Providers shall not accept updated ServiceOrderRequest transactions. To change a ServiceOrderRequest Retailers may either:
1. Cancel the original Request and issue a new one or,
 2. By agreement, the Service Provider may accept updates to ServiceOrderRequests advised by telephone or email.

2.12 Common business practices

2.12.1 General

- a. **MSATS Relationship** - An MSATS transaction does not remove the need for a Service Order. For example, where the prospective transfer is to take place on a Special Read, the Retailer must raise a Special Read ServiceOrderRequest to the appropriate Service Provider.
- b. **Out of Hours Service**
1. ~~*ServiceTime* is used to inform the Service Provider when the work can be performed.~~
 2. ~~For work that can only be undertaken outside Business Hours, the Retailer must specify a *ServiceTime* of "Non-Business Hours". This also indicates that the Retailer will accept any after-hours charges.~~
 3. ~~Where the Retailer does not wish to pay an after-hours fee a *ServiceTime* of "Business Hours" should be used. This indicates that the Retailer will not accept after-hours charges and will accept a delay in service completion (within the bounds of agreed service levels) in preference to undertaking the work after hours.~~
 4. ~~Where the Retailer prefers the work to be undertaken within business hours - but is willing to pay the after hours fee where necessary in order to speed up completion, a *ServiceTime* of "Any Time" should be used. This indicates that the Retailer will accept after-hours charges if the work needs to be undertaken outside Business Hours.~~
1. In WA all "Non-Business Hours" *ServiceTime* values are automatically converted to "Business Hours". The transaction is never rejected because of an invalid *ServiceTime*.

- c. **Meter Reading Date** – Where a meter reading is associated with a Service Order, the Service Provider must ensure that the meter reading date provided via the MDFP file aligns with the date the Service Order was completed (*ActualDateAndTime*).
- d. **Customer Details** – Where Customer Details (name and telephone number) are required for the completion of a ServiceOrderRequest, these must be provided using the Customer's contact details fields (*ContactName*, *ContactTelephoneNumber*). It is anticipated that this information not be used to permanently update the Service Provider's customer-related records; any permanent updates to Customer Details must be sent from the Retailer to the Service Provider in a CustomerDetailsNotification. The Customer and contact information provided in a ServiceOrderRequest should only be used for the completion of the identified work.
- e. **Site Details** – The Retailer should ask the Customer if there are any Hazards or Access Requirements prior to initiating a ServiceOrderRequest. Where the Customer reports no Hazards or Access requirements the Retailer must indicate this using the appropriate values in the ServiceOrderRequest. This information should be used for the completion of the identified work only.
1. If the Customer has supplied any special access details, the Retailer must include these in *AccessDetails*. These details exclude the hazards covered by the *HazardDescription* field.
 - a) Where the Customer reports no access requirements, the Retailer must indicate this by using the value "Customer Reports No Access Requirements" in the *AccessDetails* field.
 - b) Any permanent updates to access or hazard details must be sent from the Retailer to the Service Provider in a SiteAccessNotification.
- f. **Read all meters**
1. Where the Service Provider reads the meter as part of completing the ServiceOrderRequest, the Service Provider must use reasonable endeavours to read all meters at the NMI. Excluding ServiceOrderRequests that are Not Completed, where an actual meter reading is not taken, a substitution meter reading must be provided.
- g. **Meter Serial Number**
1. *MeterSerialNumber* is required where work is specific to a meter. The Retailer must provide the *MeterSerialNumber* if it is available. A Service Provider will reconcile the *NMI / MeterSerialNumber* combination(s) against information held in their records, and thereby help confirm the correct Site will be visited for the Service as early in the process as possible. If the requested work affects all meters, the Retailer does not have to provide any meter serial numbers.

2. Where the Service Provider identifies a discrepancy between a *NMI* and the *MeterSerialNumber* the Service Provider must progress the *ServiceOrderRequest* if it believes the discrepancy relates to its own data. If it believes the discrepancy relates to the *MeterSerialNumber* provided by the Retailer, the Service Provider will Reject the *ServiceOrderRequest* ~~except for High Priority Service Orders, where the Service Provider will contact the Retailer and agree how to resolve the discrepancy.~~ If the *ServiceOrderRequest* is Rejected, the Service Provider must provide the *MeterSerialNumber(s)* in the *Explanation* field associated with the appropriate *EventCode* (“Invalid data. Details provided in *Explanation*”).

h. ProposedTariff field

1. ~~The Service Provider must not reject the ServiceOrderRequest if the~~ **The ProposedTariff value is for reference only and is not used to confirm or change the nominated tariff. This is performed through the Tariff Nomination process.**

i. Other rules

1. The Service Provider may seek to recover costs for any actioned work from the Retailer who requested that work that was completed or attempted.
- 2 Retailers must use reasonable endeavours to send *ServiceOrderRequests* as they arise and not to save them up and send them in a batch. Refer section 2.4.a of the Technical Delivery Specification for details regarding the bundling of transactions.

2.12.2 Explanation of the use of the ServiceOrderSubType codes

- a. The *ServiceOrderSubType* must be used where the type of work required is known **and** covered by the available codes. If no *ServiceOrderSubType* is provided in a *ServiceOrderRequest*, the Service Provider’s normal practice will apply.
- b. The use of *ServiceOrderSubType* must conform with the rules in the table below.

ServiceOrder SubType	Explanation of use	Used with ServiceOrderType
Exchange Meter	This code must only be used for the exchange of one meter for another.	Adds & Alts
Install Controlled Load	This code must only be used for the installation of standard controlled load equipment. “Standard” refers to the normal type of equipment installed by the Service Provider for this purpose.	Adds & Alts
Install Hot Water	This code must only be used for the new installation of a standard hot water meter and associated control equipment. “Standard” refers to the normal type of equipment installed by the Service Provider for this purpose.	Adds & Alts

ServiceOrder SubType	Explanation of use	Used with ServiceOrderType
Install Meter	This code must only be used for the installation of a new meter(s) (except for a hot water meter).	Adds & Alts
Move Meter	This code must be used when a meter requires relocation.	Adds & Alts
Remove Meter	This code must only be used when removal of a single redundant meter is required. The specific meter should be indicated by using the <i>MeterSerialNumber</i> field. This code must not be used for a Supply Abolishment <u>ServiceOrderRequest</u> .	Adds & Alts
Pillar box, Pit or Pole Top	This code must only be used for a De-energisation by a physical disconnection of the service mains at the connection to the network.	De-energisation
Pillar-Box Pit Or Pole-Top (Non-Payment)	This code must only be used for a De-energisation by a physical disconnection of the service mains at the connection to the network for non-payment.	De-energisation
Remove Fuse	This code must only be used for a De-energisation at the fuse or meter.	De-energisation
Remove Fuse (Non-Payment)	This code must only be used for a De-energisation at the fuse or meter as part of a non-payment process.	De-energisation
Sticker Warning	This code must only be used for a De-energisation without physical de-energisation. A warning card is issued at the property.	De-energisation
Inspect	This code must only be used when a general metering inspection is required to check a reported or suspected fault.	Meter Investigation
Meter Test	This code must only be used to check that the metering installation is accurately measuring the energy consumed.	Meter Investigation
Tamper	This code must only be used when an inspection is required where supply or equipment tampering is suspected.	Meter Investigation
Change Controlled Load	This code must only be used for changing from one controlled load tariff to another.	Meter Reconfiguration
Change Tariff	This code must only be used for changes to tariff that require meter reprogramming (except for controlled load timing changes).	Meter Reconfiguration
Change Timeswitch	This code must only be used for changing timeswitch settings.	Meter Reconfiguration

ServiceOrder SubType	Explanation of use	Used with ServiceOrderType
Permanent	This code must be used when the supply location is expected to be the final location.	New Connection
Temporary	This code must be used when the supply location is expected to be removed at a later date.	New Connection
Temporary In Permanent	This code must be used for temporary connections at the permanent supply location.	New Connection
After Disconnection For Non-Payment	This code must only be used for a Re-energisation after disconnection as part of a non-payment process.	Re-energisation
New Reading Required	This code must only be used when the Retailer wants a reading taken, rather than a deemed meter reading (refer 2.12.6.a).	Re-energisation
Retrospective Move-in	This code must only be used when the Retailer requires a move-in reading for an already Energised Site. Refer section 2.6.2.c.3.	Re-energisation
<u>Sticker Removal</u>	<u>This code must only be used for NMIs located</u> in South Australia. This code must only be used to re-energise a Site that has been de-energised using a sticker (i.e. not physically de-energised). The Service Provider will visit the Site, take a meter reading, and remove the sticker if necessary. Refer 2.12.6.i for further details.	<u>Re-energisation</u>
Check Read	This code should only be used when there is a reported error in the meter reading. This is used to check the accuracy of the meter reading only. If the Retailer requires anything more than a reading (e.g. verification of meter number, number of dials etc) a Meter Investigation Request should be issued.	Special Read
Final Read	This code must only be used when the Retailer requires a reading for preparing a final bill for the Customer.	Special Read

2.12.3 Explanation of use of *ExceptionCodes*

- a. The use of Exception Codes must conform with the rules in the table below.

Value	Definition	Used with <u>ServiceOrderStatus</u>	<u>Special Notes</u>
Customer On-Site	There is a Customer at Site and the Site was not de-energised.	Limited to De-energisation <u>ServiceOrderRequests</u> only with a status of 'Not Completed'. This value is not allowed for De-energisation <u>ServiceOrderRequests</u> with <u>ServiceOrderSubType</u> of "Remove Fuse (Non-payment)" or "Pillar box, Pit or Pole top (Non-payment)".	
Customer Prevented	Customer prevented de-energisation.	Limited to De-energisation <u>ServiceOrderRequests</u> only with a status of 'Not Completed'	
Service Provider Cancellation	Service Provider cancellation. Details must be provided in <i>SpecialNotes</i> .	Not Completed	
Documentation Not Provided.	Documentation required for the completion of the requested work has not been provided. Details must be provided in <i>SpecialNotes</i> .	Not Completed	
De-energisation Not Completed Due To A Re-energisation	De-energisation not completed due to a Re-energisation received for the same period.	Not Completed	
Metering Problem	Metering problem preventing completion of meter reading.	Partially Completed	
<u>Metering Problem</u>	<u>Metering problem preventing completion of remote service.</u>	<u>Not Completed</u>	<u>Communications Problem</u>
<u>Metering Problem</u>	<u>Metering problem preventing completion of remote service.</u>	<u>Not Completed</u>	<u>Communications Ok Metering Problem</u>
Meter Reading Only Undertaken Due To Prior Re-energisation	Indicates that a meter reading only was taken, rather than the requested de-energisation, due to a prior Re-energisation. Refer section 2.12.14.d.	Completed	
New Customer On-Site	There is a Customer at Site who claims to be a new Customer.	Limited to De-energisation <u>ServiceOrderRequests</u> only with a status of 'Not Completed'.	
No Supply	Supply not available.	Not Completed	
<u>No Supply</u>	<u>Supply not available.</u>	<u>Not Completed</u>	<u>Remote site already De-energised</u>
Other	Other reasons. Details must be provided in <i>SpecialNotes</i> .	Not Completed, Partially Completed	

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Reading Problem	Reading problem preventing completion of meter reading.	Partially Completed	
Retailer Cancellation	Retailer cancellation (any charges for work partially completed should be indicated by appropriate <i>Product Codes</i>).	Not Completed	
<u>Retailer Cancellation</u>	<u>Retailer cancellation (any charges for work partially completed should be indicated by appropriate <i>Product Codes</i>).</u>	<u>Not Completed</u>	<u>Failed to Cancel. Remote De-energise already performed</u>
<u>Retailer Cancellation</u>	<u>Retailer cancellation (any charges for work partially completed should be indicated by appropriate <i>Product Codes</i>).</u>	<u>Not Completed</u>	<u>Failed to Cancel. Remote Re-energise already performed</u>

Value	Definition	Used with <i>ServiceOrderStatus</i>	<u>Special Notes</u>
Request Submitted By Another Retailer	Request not completed due to an alternate Request received from another Retailer.	Not Completed	
Sensitive Load	Sensitive load (such as a Life-Support Customer) and did not de-energise.	Limited to De-energisation <i>ServiceOrderRequests</i> only with a status of 'Not Completed'.	
Unable To Access	Unable to gain access to complete Request.	Not Completed	
Unknown Load	Used where the Site draws a significant load when re-energised and the Customer is not present. The Site was not left re-energised for safety reasons.	Not Completed	
Unsafe	Deemed unsafe to complete Request.	Not Completed	
<u>Unsafe</u>	<u>Deemed unsafe to complete request</u>	<u>Not Completed</u>	<u>Load detected on remote Re-energise</u>

2.12.4 Allocate NMI

- a. This Service Order Type must only be used in NSW and the ACT.
- b. This Service Order type must be used for a greenfield Site where the Retailer wants the Site registered in MSATS with them at the time of NMI creation. Because the Service Provider does not do the actual connection work in NSW, the only part of the new connection process requiring a B2B transaction in NSW is the allocation of the NMI. Refer process diagram below (Figure 3).
- c. This Service Order type should be used in situations where the Retailer is arranging meter installation (eg contestable metering work) directly with MPB.
- d. By submitting the *ServiceOrderRequest*, the Retailer confirms they expect to be the Customer's Retailer as at the Connection Date.
- e. On receipt of an Allocate NMI *ServiceOrderRequest*, the Service Provider must allocate a NMI and issue it to the Retailer using a *ServiceOrderResponse*. The Service Provider must populate the Retailer who has issued the Allocate NMI *ServiceOrderRequest* as the FRMP in MSATS. The Retailer must not object to being allocated as the FRMP where they have lodged the *ServiceOrderRequest*.
- f. Where a Service Provider receives an Allocate NMI *ServiceOrderRequest* for a Site that a NMI has already been allocated, the Service Provider must send a *BusinessAcceptance/Rejection* with a rejection message of "NMI already allocated for this address".

- g. Where a Service Provider receives an Allocate NMI ServiceOrderRequest for a Site that the Service Provider reasonably considers is too early in the development process for the legitimate allocation of a NMI, the Service Provider must contact the Retailer to discuss the situation. The subsequent ServiceOrderResponse will be consistent with the agreement reached with the Retailer.
- h. The Retailer must provide the NMI to the Customer, or Accredited Service Provider (ASP) or builder, with a request that the NMI is included on relevant electrical works forms. These forms include the Notification of Additional Load, the Application for Connection (AFC), and the Notice of Service Work (NOSW). If the NMI is not provided on the NOSW form, the DNSP will reject the NOSW.



Figure 3: NSW Greenfield New Connection process

2.12.5 New Connections

- a. The Retailer and Service Provider must ensure that all necessary ~~information~~ paperwork is available and completed in order to progress and complete the New Connection. ~~The ServiceOrderRequest does not replace the need for the information~~ paperwork associated with a New Connection.

- b. A Retailer must use the *SpecialInstructions* field to advise a Service Provider of any specific tariff or metering requirements that are not already provided in the New Connection ServiceOrderRequest
- c. If the Service Provider considers the requested metering configuration is incorrect, the Service Provider may advise the Retailer of this using a BusinessAcceptance/Rejection transaction.
- d. If the Service Provider installs a metering configuration different from that requested by the Retailer, the Service Provider must advise the Retailer of the metering configuration and the reason for it in the *SpecialNotes* field of the ServiceOrderResponse.
- e. In SA the Service Provider must advise the Retailer of the date for an Appointment to complete a New Connection using an ServiceOrderAppointmentNotification transaction.

2.12.6 Re-energisation

- a. For Type 6 metered sites, if there is no requirement to visit the Site to perform the Re-energisation (eg Customer removes sticker and switches the main switch on), the Service Provider may use the last actual read if it is less than 6 weeks prior to the move-in date, or such other period as otherwise permitted by jurisdictional regulations. This read must be provided to the Retailer and MSATS as if an actual read occurred on the move-in date.
- b. In order to avoid delay in Customer re-energisations, Service Providers should re-energise upon receiving a ServiceOrderRequest irrespective of the transfer status in MSATS.
- c. For after hours Re-energisations, see 2.12.1.b. **Available in WA via consultation only.**
- d. Service Providers may refuse to complete a Re-energisation where there is no access to the main switch, Retailers should provide suitable advice to the Customer regarding turning off the main switch(es) to ensure safety of the premises when re-energised.
- e. If a Retailer raises a Re-energisation ServiceOrderRequest without a *ServiceOrderSubType*, the Service Provider must undertake the necessary fieldwork to ensure that the Site is energised and a read is provided for the date component of *ActualDateAndTime* (subject to 2.12.6.a).
- f. If the Retailer does not know what specific type of Re-energisation is required, the Retailer should not specify a *ServiceOrderSubType*.
- g. The Service Provider must not reject a Re-energisation ServiceOrderRequest if the Site is already energised. They must return an appropriate ServiceOrderResponse and provide a meter reading.
- h. In Victoria, if a service has been off supply (de-energised) for more than 12 months, the SIRs (Service Installation Rules) require a notification that a safety check has been conducted by an electrical contractor. If this notification is not provided, the Service Provider may reject the ServiceOrderRequest.

- i. In SA, where a Customer advises the Retailer they have already moved into the Site, the Site is energised (left energised or energised by the Customer) and the Retailer requires a move-in reading, the Retailer must raise a Re-energisation ServiceOrderRequest with a *ServiceOrderSubType* of “Sticker Removal”. The Service Provider will provide a meter reading in accordance with the Metrology Procedure, undertaking field work if necessary. Where this code is used, the *CustomerPreferredDateAndTime* must not be retrospective where the meter type is 6.
- j. For AMI meters, where the Service Provider has successfully completed a Re-energisation request, the meter will be placed into an armed state. Once a meter is armed, electricity flows are enabled by pressing a button on the meter. This action may be performed by the Retailer, Customer or the Service Provider in accordance with the relevant service level agreement.
- k. For AMI meters, the Re-energisation ServiceOrderResponse advises of the successful completion of the Re-energisation. That is, that the meter is in an armed state.
- l. A subsequent Standing Data Update notification advises that the button on the meter has been pushed enabling electricity flow and that the status of the NMI has moved from de-energised to energised.
- m. For failed remote Re-energisations, see 2.12.3. Where a Metering Problem exception code value is returned, the Service Provider will attend the site to return electricity supply to the Customer according to the relevant service level agreement.
- n. If the Retailer receives an Unsafe exception code value, this means a Customer load has been detected. The service provider will not re-energise the Site until the appropriate actions have been taken to rectify the unsafe condition.

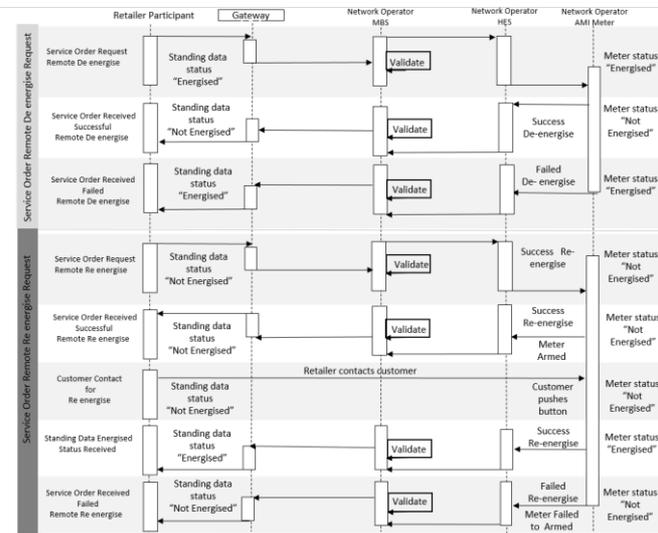
2.12.7 De-energisation

- a. When the Service Provider has access to perform the De-energisation but reasonably believes that there is a valid reason the De-energisation should not take place, the Service Provider may contact the Retailer by phone and (within reason) act upon the instructions provided by the Retailer.
- b. The Retailer must use the *ServiceOrderSubType* to indicate what type of de-energisation is required. If no detail is provided, the Service Provider’s normal practice will apply.
- c. Where the Service Provider receives a De-energisation ServiceOrderRequest for a De-energised Site:
 - 1. If the Service Provider reasonably determines that no work is required, the Service Provider must reject the ServiceOrderRequest with an *EventCode* of “Rejection – Site Already De-energised” in the BusinessAcceptance/Rejection.
 - 2. If the Service Provider has accepted the De-energisation ServiceOrderRequest, the Service Provider must send a ServiceOrderResponse with a *ServiceOrderStatus* of “Not Completed”, an *ExceptionCode* of “Service Provider Cancellation”, with details of the reason for the cancellation in the *SpecialNotes*.
- d. De-energisation for non-payment:

1. The Retailer must use a *ServiceOrderSubType* of "Remove Fuse (Non-payment)" or "~~Pillar box, Pit or Pole top (Non-payment)~~" for a De-energisation for Non-payment.
2. If payment is received by the Retailer before the ServiceOrderResponse is received by the Retailer from the Service Provider, the Retailer must raise a cancellation ServiceOrderRequest, if the *ScheduledDate* is in the future. (Same day cancellations are to follow clause 4 below.)
3. The Service Provider must not accept payment of any kind on behalf of the Current Retailer. If payment is offered or discussion/dispute eventuates the Service Provider's Disconnecting Officer may contact the Current Retailer for direction whilst at the premises. The Officer, not the Customer, should make this call.
4. If the Retailer needs to cancel the ServiceOrderRequest urgently, this must be communicated to the Service Provider by phone (refer 2.10).

5. In NSW only, the Retailer must provide the Service Provider (via email) a Disconnection Notice addressed to the Customer and clearly identifying the Retailer, at the same time as the De-energisation `ServiceOrderRequest`. The Service Provider must print this notice out, place it in an unbranded envelope, and leave it for the Customer when the disconnection is performed.
6. "Customer On-Site" is not a valid `ExceptionCode` for this `ServiceOrderSubType`.

2.12.7.1 Table 1 Remote de-energisation and re-energisation standing data flow



2.12.8 Meter Reconfiguration

- a. The Retailer must specify the required configuration in the `SpecialInstructions` field of the `ServiceOrderRequest`.
- b. The Retailer must use a Miscellaneous Service Order type to request the installation or removal of a communication link. The Retailer must specify in the `SpecialInstructions` field of the `ServiceOrderRequest`. "Install Communication link" or "Remove Communication link".
- c. The Network Operator will then apply an Adds and Alts service order to complete the field work required.
- d. The Retailer once the Miscellaneous service order is complete can request a reconfigure for a basic to interval configuration if not requested in the first instance.
- e. The Network Operator will reconfigure the meter to a configuration requested by the Retailer in accordance with the relevant service level agreement.
- f. The Build Pack List of Codes and Key to Codes describes how to identify an AMI meter.

b.g. The Network Operator will provide a Standing Data Update, when an AMI capable meter (e.g. 'BASIC') begins to communicate with the communication network. A meter install code will be provided according to the Build Pack List of Codes document to identify the AMI meter (e.g. 'BASICAMI').

2.12.9 Special Read

- a. ~~Where necessary, prospective Retailers must initiate the transfer into MSATS within 2 business days of (or as required by the CATS Procedures or jurisdiction regulations) the date a Special Read ServiceOrderRequest is sent (that is related to a transfer). Where a Special Read has already occurred, the new Retailer must still initiate a transfer request in MSATS within 2 business days.~~
- b. A Service Provider must ensure that a ServiceOrderResponse to a Special Read ServiceOrderRequest does not have a *ServiceOrderStatus* of "Partially Complete". Refer 2.6.5.a.2.

2.12.10 Adds and Alts

- a. The Retailer and Service Provider must ensure that all necessary paperwork is available and completed in order to progress and complete the Adds and Alts. The ServiceOrderRequest does not replace the need for the paperwork associated with an Adds and Alts.
- b. The Retailer must use the *ProposedTariff* field to advise the Service Provider of any specific tariff that the Retailer requires. The *SpecialInstructions* field should provide additional information, such as metering requirements or any other special requirements.
- c. If the Service Provider considers the requested metering configuration is incorrect, the Service Provider may advise the Retailer of this using a *BusinessAcceptance/Rejection* transaction.
- d. If the Service Provider installs a metering configuration different from that requested by the Retailer, the Service Provider must advise the Retailer of the metering configuration and the reason for it in the *SpecialNotes* field of the ServiceOrderResponse.

2.12.11 Meter Investigation

In WA the type of Meter Test required should be specified in the *SpecialInstructions*.

This should be either "Laboratory" or "On-site".

2.12.12 Supply Abolishment

- a. In SA, Victoria and Queensland, the Retailer must ensure that all necessary paperwork is supplied to the Service Provider in order to progress and complete the Supply Abolishment. The ServiceOrderRequest does not replace the need for the paperwork associated with a Supply Abolishment.

2.12.13 Miscellaneous

- a. Retailers must not use this Service Order type for Standing Data enquiries. This includes seeking confirmation and clarification of address details, tariff details, Site network relationship details such as DLF & TNI, meter details, etc.
- b. The Retailer must use a Miscellaneous Service Order type to request the installation or removal of a communications link. The Retailer must specify in the SpecialInstructions field of the ServiceOrderRequest. "Install communication link" or "Remove communication link".

2.12.14 Multiple Service Orders

- a. This section provides the business rules for the management of situations where multiple ServiceOrderRequests apply to a Site at, or close to, a point in time. The business rules are presented in a series of scenarios.
- b. The multiple Service Order rules apply to any incomplete* ServiceOrderRequests with ScheduledDates within a 5 business day period.
** 'Incomplete' means a ServiceOrderResponse has not been sent or the Service Provider is unaware of the status of work that is currently in progress.*
- c. The key principles for the management of multiple Service Order situations are:
 1. The Customer's interests take priority (i.e. ensuring power is turned on in a timely manner/ not disrupted).
 2. Each Retailer must use reasonable endeavours to minimise sending multiple conflicting ServiceOrderRequests for a single NMI.
- d. Where there is a Re-energisation and De-energisation received for the same Site, Service Providers have the discretion to undertake a single meter reading instead of a fuse removal followed by a fuse insertion. Scenarios 1-6, detailed in section 2.12.14.2, allow for this practice.
- e. The scenarios, detailed in section 2.12.14.2, assume that the De-energisation ServiceOrderRequest has a ConfirmedDe-energisation value of "No".
 1. Where the ConfirmedDe-energisation value is "Yes" in the De-energisation ServiceOrderRequest, the situation will be treated by the Service Provider as an exception to the rules in this section. The Service Provider must contact the Prospective Retailer who has raised a Re-energisation Request to assist in the resolution of the situation.

2.12.14.1 Multiple Service Orders for Multiple Retailers

- a. The following table summarises the scenarios that apply to specific combinations of ServiceOrderRequests raised by current and prospective Retailers. The numbers in each cell indicate which scenario applies to the

specific combination. An “x” means the Service Provider will reject the ServiceOrderRequest from the prospective Retailer, irrespective of whether it is received first or second.

Summary of the Management of Multiple Service Order and Multiple Retailer Situations

		Prospective Retailer									
		Allocate NMI	New Connection	Re-energisation	De-energisation	Special Read	Adds & Alts	Meter Reconfiguration	Meter	Supply	Miscellaneous
Current Retailer	Allocate NMI	8	x	x	N/A	x	x	X	N/A	N/A	N/A
	New Connection	x	8	x	N/A	x	7	7	N/A	N/A	N/A
	Re-energisation	x	x	8	N/A	9	7	7	N/A	N/A	N/A
	De-energisation	x	x	1-6	N/A	1-6	7	7	N/A	N/A	N/A
	Special Read	x	x	9	N/A	9	7	7	N/A	N/A	N/A
	Adds/Alts	x	x	9	N/A	9	7	7	N/A	N/A	N/A
	Meter Reconfiguration	x	x	9	N/A	9	7	7	N/A	N/A	N/A
	Meter Investigation	x	x	9	N/A	9	7	7	N/A	N/A	N/A
	Supply Abolishment	x	x	7	N/A	9	7	7	N/A	N/A	N/A
	Miscellaneous	x	x	9	N/A	9	7	7	N/A	N/A	N/A

b. The shading in the De-energisation, Meter Investigation, Supply Abolishment and Miscellaneous columns indicate that Prospective Retailers are not allowed to raise these types of ServiceOrderRequests (refer 2.2.1.b).

- c. The management of situations involving concurrent Service Orders will be according to which of 9 scenarios apply.

Multiple Service Order Scenarios Table

Scenario	1 st Request Received	2 nd Request Received	Description
1	De-energisation	Re-energisation	Re-energisation before De-energisation
2	De-energisation	Re-energisation	Re-energisation date equals De-energisation date
3	De-energisation	Re-energisation	Re-energisation after De-energisation
4	Re-energisation	De-energisation	De-energisation before Re-energisation
5	Re-energisation	De-energisation	De-energisation date equals Re-energisation date
6	Re-energisation	De-energisation	De-energisation after Re-energisation
7	Re-energisation	Supply Abolishment	Receipt of Re-energisation and Supply Abolishment for same date
8	Any Service Order	Matching Service Order	Multiple Service Orders of the same type in 5 day window
9	Any Service Order	Any Service Order	Any other multiple <u>ServiceOrderRequest</u> situations not covered by Scenario's 1-8 above

- d. In these scenarios, other Service Order Types that can be raised by a Prospective Retailer and Re-energisations Service Orders are interchangeable. Where the multiple ServiceOrderRequests involve these other Service Order Types, the processes are the same as for Re-energisations and De-energisations.

2.12.14.2 Scenario Process Description - Scenarios 1 – 6

- a. Upon receipt of a Re-energisation Request and a De-energisation Request, the Service Provider will:
1. Accept the Re-energisation Request (having already accepted the De-energisation Request).
 2. If the Service Provider can cancel the de-energisation fieldwork, the Service Provider will send a "Not Completed" ServiceOrderResponse to the De-energisation Request with an *ExceptionCode* indicating "De-energisation Not Completed Due To A Re-energisation ".
 - a. If the Re-energisation field work associated with the Re-energisation Request is successful, the Service Provider will:
 - Send a "Completed" ServiceOrderResponse to the Re-energisation Request with a meter reading *ProductCode*.

- b. If the Re-energisation field work associated with the Re-energisation Request is not successful:
 - Send a "Not Completed" ServiceOrderResponse to the Re-energisation Request with an *ExceptionCode* indicating the reason.
- 3. If the de-energisation fieldwork cannot be rationalised by the Service Provider, the Service Provider will:
 - a. Undertake the necessary field work to ensure that the final status of the Site is energised;
 - b. Send a ServiceOrderResponse to both ServiceOrderRequests to indicate the respective outcome of the fieldwork using the relevant *ExceptionCodes* and applicable *ProductCodes*.
- b. If the Retailer who requested the De-energisation still requires the Site to be de-energised (having received a Response with an *ExceptionCode* indicating "De-energisation Not Completed Due To A Re-energisation"), the Retailer may raise a new ServiceOrderRequest with a *ConfirmedDe-energisation* value of "Yes".

2.12.14.3 Scenario Process Description - Scenario 7

- a. Upon receipt of Re-energisation and Supply Abolishment ServiceOrderRequests from different Retailers, the Service Provider will contact both parties to confirm the Requests.
- b. Upon receipt of Adds and Alts or Meter Reconfiguration and any other type of ServiceOrderRequests from different Retailers, the Service Provider will contact both parties to confirm the Requests.

2.12.14.4 Scenario Process Description - Scenario 8

- a. This scenario covers situations of multiple ServiceOrderRequests of the same type. (These are usually Re-energisations).
- b. If the new ServiceOrderRequest has a *ScheduledDate* greater than or equal to the existing ServiceOrderRequest.
 - 1. Reject the new ServiceOrderRequest with an Event indicating "Request submitted by another Retailer".
 - 2. Undertake the existing ServiceOrderRequest as scheduled.
- c. If the new ServiceOrderRequest has an earlier *ScheduledDate* than the existing ServiceOrderRequest.
 - 1. Accept the new ServiceOrderRequest and schedule the work.
 - 2. Send a "Not Completed" ServiceOrderResponse to the first ServiceOrderRequest with an *ExceptionCode* indicating "Request Submitted By Another Retailer."

2.12.14.5 Scenario Process Description - Scenario 9

- a. This scenario covers the remaining multiple ServiceOrderRequest situations not covered in the earlier scenarios.

- b. Upon receipt of these ServiceOrderRequests, the Service Provider will process each of the Requests.

2.12.14.6 Multiple Service Orders from Same Retailer

a. The following table summarises the specific combinations of ServiceOrderRequests that could potentially be raised by the same Retailer.

		New Service Order									
		Allocate NMI	New Connection	Re-energisation	De-energisation	Special Read	Adds & Alts	Meter Reconfiguration	Meter Investigation	Supply Abolishment	Miscellaneous
Existing Service Order	Allocate NMI	x	x	x	x	x	x	x	x	x	x
	New Connection	x	x	x	x	x	x	x	x	x	✓ □
	Re-energisation	x	x	x	□□	□□	□□	□□	□□	x	□□
	De-energisation	x	x	□□	x	□□	□□	□□	□□	□□	□□
	Special Read	x	x	✓ □	□□	✓ □	□□	□□	□□	□□	□□
	Adds/Alts	x	x	□□	□□	□□	✓ □	□□	x	✗	□□
	Meter Reconfiguration	x	x	□□	□□	□□	□□	x	x	x	□□
	Meter Investigation	x	x	□□	□□	□□	x	x	✓ □	x	□□
	Supply Abolishment	x	x	x	x	x	x	x	x	x	□□
	Miscellaneous	x	x	□□	□□	□□	□□	□□	□□	□□	✓ □

- b. Upon receipt of a combination of multiple ServiceOrderRequests that are deemed valid per the above table (shown by an “□” in the relevant cell), the Service Provider will process both ServiceOrderRequests.
- c. Upon receipt of a combination of multiple ServiceOrderRequests that are deemed invalid per the above table (shown by an “x” in the relevant cell), the Service Provider will reject the new ServiceOrderRequest with an Event indicating “Invalid Multiple Service Order Combination”.

3 TIMING REQUIREMENTS

3.1 Overview of Timing Requirements

- a. Each stage of the Service Order Process must be completed within prescribed Timing Requirements. These requirements help ensure that activities are completed within regulated timeframes and also provide a reasonable opportunity for relevant participants to process and respond to transactions that may require some manual intervention (where requests have *SpecialInstructions*, for example).
- b. The Timing Requirements expressed in this section do not take precedence over jurisdictional regulatory requirements and agreed contractual service levels. The Timing Requirements marked with an asterisk in sections 3.3.2 and 3.3.5 are not enforceable under this Procedure. Refer 1.3.
- c. The diagram below illustrates the Timing Requirements for the Service Order Process. These Timing Requirements depend upon the type of Service Order and the *ScheduledDate* (for *ServiceOrderRequests*). Specific Timing Requirements are described below.

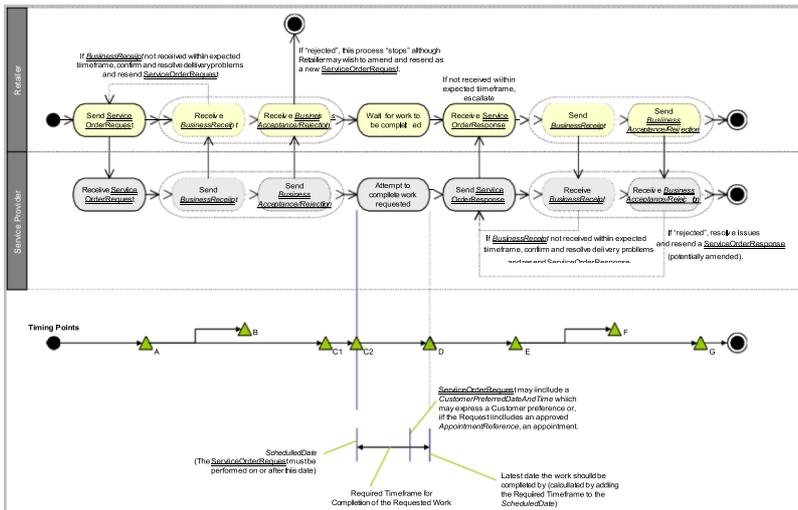


Figure 4: Service Order process with timing points

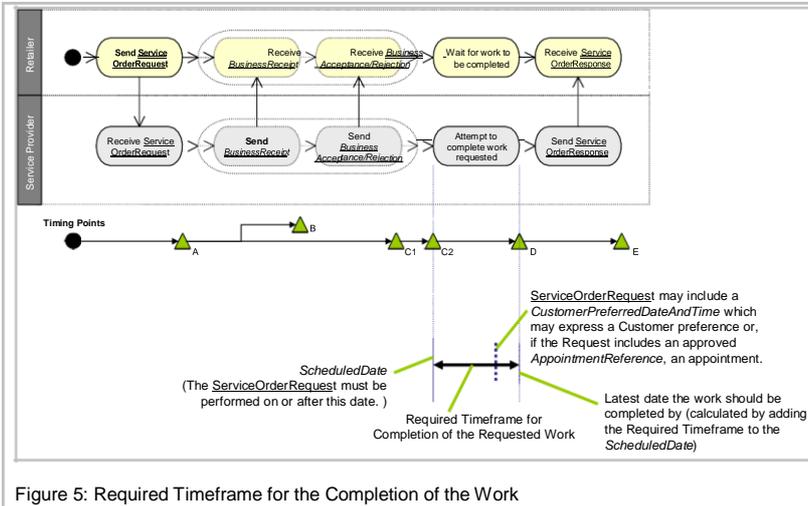


Figure 5: Required Timeframe for the Completion of the Work

3.2 Definition of timing points and periods

3.2.1 Timing points

a. The following definitions apply:

Timing Point	Definition
A	This timing point is when the Retailer issues a <u>ServiceOrderRequest</u> to a Service Provider.
B	This timing point is when the Retailer receives a <u>BusinessReceipt</u> for a <u>ServiceOrderRequest</u> from the Service Provider.
C1	This timing point is when the Retailer receives a <u>BusinessAcceptance/Rejection</u> for a <u>ServiceOrderRequest</u> from the Service Provider. This point must be on or before the <u>ScheduledDate</u> in the <u>ServiceOrderRequest</u> .
C2	This point is the <u>ScheduledDate</u> in the <u>ServiceOrderRequest</u> .
D	This timing point is when the work requested has been completed, or completion has been attempted. This point is the <u>ActualDateAndTime</u> in the <u>ServiceOrderResponse</u> .

Timing Point	Definition
E	This timing point is when the Service Provider sends a <u>ServiceOrderResponse</u> following the completion of the work requested, or the attempted completion.
F	This timing point is when the Service Provider receives a <u>BusinessReceipt</u> for a <u>ServiceOrderResponse</u> from the Retailer.
G	This timing point is when the Service Provider receives a <u>BusinessAcceptance/Rejection</u> for a <u>ServiceOrderResponse</u> from the Retailer.

3.2.2 Use of timing periods

Timing Period	Definition	Usage
Initiation Period	This is the period from the Customer's request to the Retailer to the sending of the <u>ServiceOrderRequest</u> by the Retailer. Timing Point A is the end of this period.	To be monitored by the Retailer to ensure that regulated requirements are being achieved.
Notice Period	This is the period from the sending of the <u>ServiceOrderRequest</u> by the Retailer to the <u>ScheduledDate</u> in the <u>ServiceOrderRequest</u> . Timing points A and C2 define this period.	To be monitored by the Retailer and the Service Provider to ensure that regulated requirements are being achieved.
<u>BusinessReceipts</u> for Requests	This is the period from the sending of the <u>ServiceOrderRequest</u> by the Retailer to the receipt of the <u>BusinessReceipt</u> for the <u>ServiceOrderRequest</u> from the Service Provider. Timing Points A and B define this period.	Used by the Retailer to determine whether a <u>ServiceOrderRequest</u> has been received and can be read. If the <u>BusinessReceipt</u> has not been received before the expiry of this period, the Retailer may escalate the non-receipt and, if agreed with the Service Provider, resend the original Request.

Timing Period	Definition	Usage
<u>Business Acceptance/Rejection</u> for Requests	<p>This is the period from the sending of the <u>ServiceOrderRequest</u> by the Retailer to the receipt of the <u>BusinessAcceptance/Rejection</u> for the <u>ServiceOrderRequest</u> from the Service Provider.</p> <p>This point must be on or before the <u>ScheduledDate</u> in the <u>ServiceOrderRequest</u>.</p> <p>Timing Points A and C1 define this period.</p>	<p>Used by the Retailer to determine whether a service Request has been accepted (and will subsequently be actioned by the Service Provider).</p> <p>If the <u>BusinessAcceptance/Rejection</u> has not been received before the expiry of this period, the Retailer may escalate the non-receipt.</p>
Completion of the Requested Work	<p>This is the period from the <u>ScheduledDate</u> in the <u>ServiceOrderRequest</u> to the completion of the requested work (or attempted completion) by the Service Provider (the <u>ActualDateAndTime</u> in the <u>ServiceOrderResponse</u>).</p> <p>Timing Points C2 and D define this period.</p>	<p>This period represents the regulatory timeframe for the performance of the work requested (where a regulatory timeframe exists).</p> <p>Used by the Retailer and Service Provider to monitor achievement of regulated Timing Requirements.</p>
Issuing a <u>ServiceOrderResponse</u>	<p>This is the period from the completion of the requested work (or attempted completion) by the Service Provider (the <u>ActualDateAndTime</u> in the <u>ServiceOrderResponse</u>) and the sending of the <u>ServiceOrderResponse</u> by the Service Provider.</p> <p>Timing Points D and E define this period.</p>	<p>If the <u>ServiceOrderResponse</u> has not been received before the expiry of this period, the Retailer may escalate the non-receipt.</p>
<u>BusinessReceipts</u> for Responses	<p>This is the period from the sending of the <u>ServiceOrderResponse</u> by the Service Provider to the receipt of a <u>BusinessReceipt</u> for the <u>ServiceOrderResponse</u> from the Retailer.</p> <p>Timing Points E and F define this period.</p>	<p>Used by the Service Provider to determine whether a <u>ServiceOrderResponse</u> has been received and can be read.</p> <p>If the <u>BusinessReceipt</u> has not been received before the expiry of this period, the Service Provider may escalate the non-receipt and, if agreed with the Retailer, resend the original response.</p>

Timing Period	Definition	Usage
<u>BusinessAcceptance/Rejection</u> for Responses	<p>This is the period from the sending of the <u>ServiceOrderResponse</u> by the Service Provider to the receipt of a <u>BusinessAcceptance/Rejection</u> for the <u>ServiceOrderResponse</u> from the Retailer.</p> <p>Timing Points E and G define this period.</p>	<p>Used by the Service Provider to determine whether a service response has been accepted by the Retailer and can be “closed”.</p> <p>If the <u>BusinessAcceptance/Rejection</u> has not been received before the expiry of this period, the Service Provider may escalate the non-receipt.</p>

3.3 Specific Timing Requirements

- a. The information in this section summarises the Timing Requirements for various activities. Users of this document should refer to the relevant regulatory documents for details of the exact requirements.

3.3.1 Initiation Period Timing Requirements

- a. In NSW only, Retailers must send the ServiceOrderRequest as soon as possible following Customer request, and no more than 2 hours after receiving the request from the Customer.
- b. In Queensland only, Retailers who receive a re-energisation ServiceOrderRequest from a small customer who is entitled to re-energisation must convey that request to the Service Provider as per the relevant jurisdictional code.
- c. In all other situations, the Retailer must raise a ServiceOrderRequest no later than the next Business Day following receipt of the Customer’s request.

3.3.2 Notice Period Timing Requirements

- a. The minimum amount of notice required by Service Providers for each type of service Request is summarised below. This period is the minimum that a Service Provider needs to schedule and allocate resources. The time the Service Provider then has to complete the work requested is summarised in Section 3.3.5.
- b. In Queensland, the Notice Periods for different feeder types and locations are documented within the Queensland Electricity Code.

Service Request	Notice Period
New Connection	<p>No specific requirement.</p> <p>Participants should refer to relevant provisions in their Service Level Agreement with the Network Operator.</p>

Service Request	Notice Period
Re-energisation	<p>The Service Provider must receive a valid Request for a same business day Re-energisation by:</p> <ul style="list-style-type: none"> a. 2:00pm in ACT b. Not available in NSW c. 1:00pm in Queensland d. 3:00pm in SA except for <ul style="list-style-type: none"> <input type="checkbox"/> Re-energisations following disconnection for non-payment, in which case it is 5:00pm. <input type="checkbox"/> Sticker Removal sub-type where the notice period is 3 days. e. 3:00pm in Victoria. This only applies to Re-energisations following disconnection for non-payment <p>For same business day, after hours Re-energisations, the Service Provider must receive a valid Request:</p> <ul style="list-style-type: none"> a. by 9:00pm in ACT b. Not available in NSW c. Not available in Queensland d. Between 3:00pm and 9:00pm in SA (or 5:00pm and 9:00pm for a re-energisation following a disconnection for non-payment), except for <ul style="list-style-type: none"> <input type="checkbox"/> 3 days for Sticker Removal sub-type e. Between 3:00pm and 9:00pm in Victoria. This only applies to Re-energisations following disconnection for non-payment <p>For next business day Re-energisations, the Service Provider must receive a valid Request on a business day:</p> <ul style="list-style-type: none"> a. by 3:00pm in Victoria, NSW and ACT b. by 5:00pm in Queensland c. By 10:00pm in SA except for 3 days for Sticker Removal sub-type <p style="color: red;">Participants should refer to relevant provisions in their Service Level Agreement with the Network Operator.</p>

Service Request	Notice Period
De-energisation	To carry out the work in the required timeframe from the day of the receipt of the request the Service Provider must receive a valid Request by: <p style="text-align: center;">Participants should refer to relevant provisions in their Service Level Agreement with the Network Operator.</p> <p>a. In ACT, 5:00pm</p> <p>b. In SA, if logged by 3:00pm, 2 business days, except Sticker Removal where the period is 3 days</p> <p>c. In Victoria, if logged by 3:00pm, 2 business days</p> <p>d. In NSW and Queensland, there is no Notice Period. Work is carried out in the required timeframe irrespective of delivery time</p>
Special Read	Participants should refer to relevant provisions in their Service Level Agreement with the Network Operator.
Adds and Alts	Participants should refer to the relevant provisions in their SLA with the N.O.
Meter Reconfiguration	Participants should refer to relevant provisions in their Service Level Agreement with the Network Operator.
Meter Investigation	Participants should refer to relevant provisions in their Service Level Agreement with the Network Operator
Supply Abolishment	There is no notice period. Participants should refer to relevant provisions in their Service Level Agreement with the Network Operator.
Miscellaneous	Participants should refer to the relevant provisions in their SLA with the N.O.

3.3.3 Timing Requirement for BusinessReceipts for Requests

- a. The Timing Requirement for the BusinessReceipts is set out in section 4.10 of the B2B Technical Delivery Specification.

3.3.4 Timing Requirement for BusinessAcceptance/Rejection for Requests

- a. The Timing Requirement for the BusinessAcceptance/Rejection is set out in section 4.10 of the B2B Technical Delivery Specification.

3.3.5 Timing Requirement for Completion of the Requested Work

- a. The following table summarises the Required Timeframe within which Service Providers must use reasonable endeavours to complete each type of Service Order Request.

- b. The Required Timeframes for Completion of the Requested Work:
1. In Queensland, the Completion Periods for different feeder types and locations are documented within the Queensland Electricity Code.
 2. Do not apply to NMIs with a NMI Classification code in MSATS of “Large”.

Service Request	Required timeframe
Allocate NMI	Participants should refer to relevant provisions in their Service Level Agreement with the Network Operator.
New Connection	<p>The following timeframes apply for New Connections:</p> <ul style="list-style-type: none"> 10 business days in Victoria 6 business days in SA 5 business days in Queensland <p>Participants should refer to the relevant provisions in their Service Level Agreement with the Network Operator.</p> <p>The commencement of this Timing Requirement is once the associated paperwork has been received by the Service Provider and/or all preconditions have been met (not when the <u>ServiceOrderRequest</u> is received).</p>
Re-energisation	<p>The following timeframes apply for Re-energisations:</p> <ul style="list-style-type: none"> Depending on the location and the time of receipt of the Request, within 1 or 2 for business days in SA. Same day or after, depending on the <i>ScheduledDate</i> and the time of receipt of the Request (see Section 3.3.2) in ACT, Queensland, Victoria or NSW.
Re-energisation	Participants should refer to the relevant section in their Service Level Agreement with the Network Operator.

Service Request	Required timeframe
De-energisation	<p>A 'permissible day' is a day on which a De-energisation is allowed, and is as defined by each jurisdiction. The definition of a permissible day may vary for a normal De-energisation and for a De-energisation for non-payment. NSW uses a reversal of this definition, using the term 'restricted' day for days when De-energisations cannot occur.</p> <p>The following timeframes apply for De-energisations:</p> <ul style="list-style-type: none"> □ 3 business days in ACT □ in WA, Participants should refer to the relevant provisions in their Service Level Agreement with the Network Operator. any of these days falls on a restricted day, the first day following that is not a restricted day (that is, a 'permissible' day). □ in Queensland, please refer to the Electricity Industry Code □ one business day in SA normally, but may be up to 3 days. □ In Victoria, two business days in Victoria (or the earliest permissible day thereafter)
Special Read	<p>The following timeframes apply for Special Reads:</p> <ul style="list-style-type: none"> • three business days in NSW and ACT • where possible on the day requested in SA, otherwise within 10 business days if customer follow-up required* • 4 business days in Queensland • in WA, Participants should refer to the relevant provisions in their Service Level Agreement with the Network Operator.
Adds and Alts	<p>Different timeframes may apply depending on the work requested. In WA, Participants should refer to the relevant provisions in their Service Level Agreement with the Network Operator.</p>
Meter Reconfiguration x	<p>The following timeframe applies for Meter Reconfigurations:</p> <ul style="list-style-type: none"> □ 20 Business Days
Meter Reconfiguration*	<p>Participants should refer to the relevant provisions in their Service Level Agreement with the Network Operator.</p>

× This Timing Requirement does not have a regulatory basis.

Service Request	Required timeframe
Meter Investigation	<p>The following timeframes apply for Meter Investigations:</p> <p style="color: red;">In WA Participants should refer to the relevant provisions in their Service Level Agreement with the Network Operator.</p> <p>15 business days in SA and Queensland 20 business days in Victoria and ACT</p>
Supply Abolishment ^x	Participants should refer to the relevant provisions in their Service Level Agreement with the Network Operator.
Miscellaneous ^x	Participants should refer to the relevant provisions in their Service Level Agreement with the Network Operator.

3.3.6 Timing Requirement for Issuing a ServiceOrderResponse

- a. In NSW, the Service Provider must send a ServiceOrderResponse to an Allocate NMI ServiceOrderRequest within two business days of receiving the ServiceOrderRequest.
- b. For all other ServiceOrderRequests, the Service Provider must send a ServiceOrderResponse within five business days of completing the work requested.

3.3.7 Timing Requirement for BusinessReceipts for Responses

- a. The Timing Requirement for the BusinessReceipts is set out in section 4.10 of the B2B Technical Delivery Specification.

3.3.8 Timing Requirement for BusinessAcceptance/Rejection for Responses

- a. The Timing Requirement for the BusinessAcceptance/Rejection is set out in section 4.10 of the B2B Technical Delivery Specification.

3.4 Timing requirements for Appointment Notifications (SA)

- a. Following receipt of a New Connections ServiceOrderRequest, the Service Provider must send an ServiceOrderAppointmentNotification to the Retailer at least 3 business days prior to the Appointment date.

^x This Timing Requirement does not have a regulatory basis.

- b. Where an Appointment is made with the Customer less than three days before the *ScheduledDate*, the Service Provider must notify the Retailer the day the Appointment is made.
- c. The Timing Requirement for *BusinessReceipt* and *BusinessAcceptance/Rejection* is set out in section 4.10 of the B2B Technical Delivery Specification.
- d. If the *ServiceOrderAppointmentNotification* does not relate to a New Connection raised by a Retailer a *BusinessAcceptance/Rejection* should be sent with an EventCode of “Appointment Notification does not match ServiceOrderRequest”.

4 TRANSACTIONS

a. Participants must ensure that each Transaction complies with the usage, definitional and format rules detailed in the tables below:

4.1 ServiceOrderRequest Transaction Data

Key	M	=	Mandatory (must be provided in all situations).
	R	=	Required (must be provided if this information is available or has changed).
	O	=	Optional (may be provided and should be used by the Service Provider if provided).
	N	=	Not required (not required and may be ignored by the Service Provider if provided).

Field	Format	Definition	Allocate NMI (ACT & NSW only)	New Connection (WA, ACT, Vic, QLD & SA only)	Re-energisation	De-energisation normal/non-payment	Special Read	Adds and AIts (WA, ACT, Vic, QLD & SA only)	Meter Reconfiguration	Meter Investigation	Supply Abolishment	Miscellaneous
<i>ActionType</i>	VARCHAR(7)	A code used to indicate: New = new <u>ServiceOrderRequest</u> Cancel = cancel a previously raised <u>ServiceOrderRequest</u> Replace = Replacement Request for an incorrectly rejected <u>ServiceOrderRequest</u> . Refer s2.2.1.i	M	M	M	M	M	M	M	M	M	M
<i>RetServiceOrder</i>	VARCHAR(15)	Retailer defined reference, used for reference and tracking. Must be a previous sent number if the <i>ActionType</i> = "Cancel". Otherwise (<i>ActionType</i> = "New" or "Replace") must be a new (unused) number, unique for the Retailer/Service Provider combination.	M	M	M	M	M	M	M	M	M	M
<i>RetailerID</i>	VARCHAR(10)	Retailer's MSATS Participant ID.	M	M	M	M	M	M	M	M	M	M
<i>ServiceProviderID</i>	VARCHAR(10)	Service Provider (DNSP or MDP or MPB) MSATS Participant ID.	M	M	M	M	M	M	M	M	M	M

Field	Format	Definition	Allocate NMI (ACT & NSW only)	New Connection (WA, ACT, V/c, QLD & SA only)	Re-energisation	De-energisation normal/non-payment	Special Read	Adds and Alts (WA, ACT, V/c, QLD & SA only)	Meter Reconfiguration	Meter Investigation	Supply Abolishment	Miscellaneous
<i>ServiceOrderType</i>	VARCHAR(22)	Code indicating type of <u>ServiceOrderRequest</u> : <ul style="list-style-type: none"> • Allocate NMI • New Connection • Re-energisation • De-energisation • Special Read • Adds And Alts • Meter Reconfiguration • Meter Investigation • Supply Abolishment • Miscellaneous Not Required for a "Cancel" <u>ServiceOrderRequest</u> .	M/N	M/N	M/N	M/N	M/N	M/N	M/N	M/N	M/N	M/N
<i>ServiceOrderSubType</i>	VARCHAR(40)	Sub category of the <i>ServiceOrderType</i> . Refer section 2.12.2 for details regarding the use of this field. The allowed codes for each <i>ServiceOrderType</i> are: New Connection <ul style="list-style-type: none"> ▪ Temporary ▪ Temporary In Permanent ▪ Permanent Re-energisation <ul style="list-style-type: none"> ▪ After Disconnection For Non-Payment ▪ Sticker Removal ▪ Retrospective Move in ▪ New Reading Required De-energisation <ul style="list-style-type: none"> ▪ Remove Fuse ▪ Remove Fuse (Non-Payment) ▪ Pillar Box Pit Or Pole Top ▪ Pillar Box Pit Or Pole Top (Non-Payment) ▪ StickerWarning 	N	R/N	R/N	R/N	R/N	R/N	R/N	N	N	

Field	Format	Definition	Allocate NMI (ACT & NSW only)	New Connection (WA, ACT, Vic, QLD & SA only)	Re-energisation	De-energisation normal/non-payment	Special Read	Adds and Alts (WA, ACT, Vic, QLD & SA only)	Meter Reconfiguration	Meter Investigation	Supply Abolishment	Miscellaneous
		Adds And Alts <ul style="list-style-type: none"> ▪ Install Hot Water ▪ Install Controlled Load ▪ Move Meter ▪ Install Meter ▪ Remove Meter ▪ Exchange Meter Special Read <ul style="list-style-type: none"> ▪ Check Read ▪ Final Read Meter Reconfiguration <ul style="list-style-type: none"> ▪ Change Controlled Load ▪ Change Timeswitch ▪ Change Tariff Meter Investigation <ul style="list-style-type: none"> ▪ Tamper ▪ Inspect ▪ Meter Test Not Required for a "Cancel" ServiceOrderRequest .										

Field	Format	Definition	Allocate NMI (ACT & NSW only)	New Connection (WA, ACT, V/ic, QLD & SA only)	Re-energisation	De-energisation normal/non-payment	Special Read	Adds and AIts (WA, ACT, V/ic, QLD & SA only)	Meter Reconfiguration	Meter Investigation	Supply Abolishment	Miscellaneous
<i>Confirmed De-energisation</i>	YESNO	<p><u>Allowed values:</u></p> <p>“No” = Default value. The normal business rules regarding De-energisation apply.</p> <p>“Yes” = Used only where the Retailer has confirmed with the Customer that the Customer details in the <u>ServiceOrderRequest</u> are accurate.</p> <p>The value of “Yes” can only be used by the Retailer where the earlier De-energisation Request was not performed by the Service Provider due to a Re-energisation Request from another Retailer.</p> <p>Refer 2.12.14.e and 2.12.14.2 for further details regarding the usage of this value.</p> <p>Not Required for a “Cancel” <u>ServiceOrderRequest</u>.</p>	N	N	N	M/N	N	N	N	N	N	N
<i>ServiceTime</i>	VARCHAR(40)	<p>Indicates time the Retailer requires the service to be performed. Allowed values:</p> <ul style="list-style-type: none"> ▪ Any Time ▪ Business Hours or ▪ Non-Business Hours <p>Not Required for a “Cancel” <u>ServiceOrderRequest</u>.</p>	N	M/N	M/N	M/N	M/N	M/N	M/N	M/N	M/N	M/N
<i>NMI</i>	CHAR(10)	NMI (as used by MSATS).	N	R	M	M	M	M	M	M	M	M
<i>NMIChecksum</i>	CHAR(1)	NMI Checksum (as used by MSATS).	N	O	M	M	M	M	M	M	M	M

Field	Format	Definition	Allocate NMI (ACT & NSW only)	New Connection (WA, ACT, V/ic, QLD & SA only)	Re-energisation	De-energisation normal/non-payment	Special Read	Adds and AIts (WA, ACT, V/ic, QLD & SA only)	Meter Reconfiguration	Meter Investigation	Supply Abolishment	Miscellaneous
<i>MeterSerial Number</i>	VARCHAR(12)	This should be provided where any work is specific to a given meter. Not required where requested work affects all meters (refer s2.12.1.g for further details). This field repeats to allow the provision of details for multiple meters. Not Required for a "Cancel" <u>ServiceOrderRequest</u> .	N	N	N	N	N	R/N	R/N	R/N	N	R/N
<i>ServiceOrder Address</i>	ADDRESS	Site/Service Point address in a structured format where available, otherwise unstructured. For details of the ADDRESS structure, refer <i>Technical Guidelines for B2B Process Specifications</i> . This field is Mandatory for New Connection <u>ServiceOrderRequests</u> if the NMI is not provided.	M	N (M)	N	N	N	N	N	N	N	N
<i>HazardDescription</i>	VARCHAR(80)	Description of any hazards associated with the Site. In WA, list all hazards separated by a comma. Refer Customer and Site Details Notification B2B Procedure for the list of allowed codes. Not Required for a "Cancel" <u>ServiceOrderRequest</u> .	N	R/N	R/N	R/N	R/N	R/N	R/N	R/N	R/N	R/N

Field	Format	Definition	Allocate NMI (ACT & NSW only)	New Connection (WA, ACT, V/ic, QLD & SA only)	Re-energisation	De-energisation normal/non-payment	Special Read	Adds and Alts (WA, ACT, V/ic, QLD & SA only)	Meter Reconfiguration	Meter Investigation	Supply Abolishment	Miscellaneous
AccessDetails	VARCHAR(160)	<p>If the Customer has supplied any special access details, the Retailer must include these. Any access requirements should be fully described, without using abbreviations.</p> <p><u>Standard values</u> "Customer Reports No Access Requirements", or "Not Known To Retailer" for De-energisation for Non-Payment or other Requests not initiated by Customer, or <Description of access requirement></p> <p>Refer <u>CustomerAndSiteDetailsNotification</u> specification for more information.</p> <p>Not Required for a "Cancel" <u>ServiceOrderRequest</u>.</p>	N	M/N	M/N	M/N	M/N	M/N	M/N	M/N	M/N	R/N
FormReference	VARCHAR(15)	<p>Not required in WA.</p> <p>.</p> <p>Required field for Supply Abolishment in SA.</p> <p>The field is Not Required for Connection Points located in NSW.</p> <p>Not Required for a "Cancel" <u>ServiceOrderRequest</u>.</p>	N	R/N	N	N	N	R/N	N	N	N/R	O
FormNumber	VARCHAR(15)	<p>In WA, the Retailer entry new connection process requires retailers to provide a reference that aligns with a reference number provided to the customer by the Retailer. E.g. this might be a retailer account number for the customer.</p> <p>Required field for Supply Abolishment in SA.</p> <p>Not Required for a "Cancel" <u>ServiceOrderRequest</u>.</p>	N	R/N	N	N	N	R/N	N	N	N/R	O

Field	Format	Definition	Allocate NMI (ACT & NSW only)	New Connection (WA, ACT, V/c, QLD & SA only)	Re-energisation	De-energisation normal/non-payment	Special Read	Adds and Alts (WA, ACT, V/c, QLD & SA only)	Meter Reconfiguration	Meter Investigation	Supply Abolishment	Miscellaneous
<i>SafetyCertificateId</i>	VARCHAR(15)	Reference to the safety certificate number associated with New Connections and Meter Adds and Alts used in each jurisdiction. Victoria = CES; SA = ECC; ACT = not applicable; NSW = not applicable; Queensland=not applicable; WA = not applicable . This must be provided in Victoria for sites that have been physically de-energised for more than 12 months. Not Required for a "Cancel" <u>ServiceOrderRequest</u> .	N	R/N	O/N	N	N	R/N	N	N	N	O
<i>SafetyCertificateMethodSent</i>	VARCHAR(6)	Code indicating how the safety certificate has been provided: "Faxed" = Faxed by Retailer to Service Provider "Email" = Emailed by Retailer to Service Provider "Online" = Available to Service Provider from an internet Site "OnSite" = Left on Site or already provided by Customer/Agent (eg. REC) Note that the safety certificate must be available to the Service Provider by the <i>ScheduledDate</i> . Required in Victoria and SA only. Not Required for a "Cancel" <u>ServiceOrderRequest</u> .	N	R/N	O/N	N	N	R/N	N	N	N	O

Field	Format	Definition	Allocate NMI (ACT & NSW only)	New Connection (WA, ACT, V/ic, QLD & SA only)	Re-energisation	De-energisation normal/non-payment	Special Read	Adds and Alts (WA, ACT, V/ic, QLD & SA only)	Meter Reconfiguration	Meter Investigation	Supply Abolishment	Miscellaneous
<i>Special Instructions</i>	VARCHAR(240)	<p>Any special instructions the Retailer wishes to convey to the Service Provider.</p> <p>Mandatory where:</p> <ul style="list-style-type: none"> ▪ A value of 'Yes' is used in <i>CustomerConsultationRequired</i>; or ▪ A value of "Other Multi-phase" is used in <i>SupplyPhases</i>; or ▪ A value of "Other" is used in <i>MeteringRequired</i>; or ▪ If <i>ActionType</i> = "Replace" (refer 2.2.1.i.4); or ▪ Necessary to support exceptional arrangements for urgent (high priority) <u>ServiceOrderRequests</u> (refer 2.6.2.c.2); or ▪ Where <i>ServiceOrderType</i> = "Meter Reconfiguration" (refer 2.12.8.a); or ▪ Where <i>ServiceOrderType</i> = "New Connection " and any specific tariff or metering requirements are not already provided (refer 2.12.5.b); or ▪ Where <i>ServiceOrderType</i> = "Adds and Alts" and any specific tariff, metering requirements or any other special requirements need to be advised (refer 2.12.10.b). 	O/M	O/M	O/M	O/M	O/M	R/M	O/M	O/M	O/M	O/M

Field	Format	Definition	Allocate NMI (ACT & NSW only)	New Connection (WA, ACT, V/c, QLD & SA only)	Re-energisation	De-energisation normal/non-payment	Special Read	Adds and AIts (WA, ACT, V/c, QLD & SA only)	Meter Reconfiguration	Meter Investigation	Supply Abolishment	Miscellaneous
<i>CustomerConsultationRequired</i>	YESNO	<p>Allowed value: "Yes".</p> <p>Yes = The Retailer requests the Service Provider consult with the Customer to make arrangements for the completion of the work requested.</p> <p>No = The Retailer does not request the Service Provider consult with the Customer to make arrangements for the completion of the work requested.</p> <p>Where 'Yes' is used, the reason for the need to consult with the Customer must be provided in <i>SpecialInstructions</i>.</p> <p>Refer s2.6.1.b and b.</p> <p>Not Required for a "Cancel" <u>ServiceOrderRequest</u> unless <i>SpecialInstructions</i> is provided.</p>	M/N	M/N	M/N	M/N	M/N	M/N	M/N	M/N	M/N	M/N
<i>ContactName</i>	PERSON NAME	<p>Contact name of Customer or Customer's agent, to be provided where Service Provider may need to contact Customer/agent.</p> <p>Not Required for a "Cancel" <u>ServiceOrderRequest</u>.</p>	N	R/N	R/N	R/N	R/N	R/N	R/N	R/N	R/N	R/N
<i>ContactTelephone Number</i>	TELEPHONE	<p>Contact telephone number of Customer/agent.</p> <p>A maximum of three telephone numbers must be provided.</p> <p>Not Required for a "Cancel" <u>ServiceOrderRequest</u>.</p>	N	R/N	R/N	R/N	R/N	R/N	R/N	R/N	R/N	R/N
<i>RetailerContact Name</i>	PERSON NAME	<p>Contact name of Retailer, to be provided where Service Provider may need to contact the Retailer.</p> <p>Not Required for a "Cancel" <u>ServiceOrderRequest</u>.</p>	O/N	O/N	O/N	O/N	O/N	O/N	O/N	O/N	O/N	O/N

Field	Format	Definition	Allocate NMI (ACT & NSW only)	New Connection (WA, ACT, V/c, QLD & SA only)	Re-energisation	De-energisation normal/non-payment	Special Read	Adds and AIts (WA, ACT, V/c, QLD & SA only)	Meter Reconfiguration	Meter Investigation	Supply Abolishment	Miscellaneous
<i>RetailerContact TelephoneNumber</i>	TELEPHONE	Contact telephone number of Retailer. A maximum of three telephone numbers may be provided. Not Required for a "Cancel" <u>ServiceOrderRequest</u> .	O/N	O/N	O/N	O/N	O/N	O/N	O/N	O/N	O/N	O/N
<i>ScheduledDate</i>	DATE	The <u>ServiceOrderRequest</u> must be performed on or after this date. Not Required for a "Cancel" <u>ServiceOrderRequest</u> .	N	M/N	M/N	M/N	M/N	M/N	M/N	M/N	M/N	M/N
<i>Appointment Reference</i>	VARCHAR(15)	Appointment reference to be provided if an Appointment has been agreed by the Retailer with the Customer and the Service Provider. Not Required for a "Cancel" <u>ServiceOrderRequest</u> .	N	R/N	R/N	R/N	R/N	R/N	R/N	R/N	R/N	R/N
<i>Customers PreferredDateAnd Time</i>	DATETIME	Preferred date and time for the work to be undertaken as discussed between Retailer and the Customer. This is the Appointment time if an <i>AppointmentReference</i> is provided. Refer to section 2.6.2 for details regarding this field's usage. Not Required for a "Cancel" <u>ServiceOrderRequest</u> . Mandatory for Re-energisation <u>ServiceOrderRequests</u> if the <i>ServiceOrderSubType</i> is Retrospective Move-in.	N	O/N	O/N/ M	O/N	O/N	O/N	O/N	O/N	O/N	O/N
<i>RP</i>	VARCHAR(10)	Responsible Person-MSATS participant ID. Not Required for a "Cancel" <u>ServiceOrderRequest</u>.	M/N	M/N	N	N	N	N	N	N	N	N

Field	Format	Definition	Allocate NMI (ACT & NSW only)	New Connection (WA, ACT, V/ic, QLD & SA only)	Re-energisation	De-energisation normal/non-payment	Special Read	Adds and AIts (WA, ACT, V/ic, QLD & SA only)	Meter Reconfiguration	Meter Investigation	Supply Abolishment	Miscellaneous
MDP	VARCHAR(10)	Meter Data Provider-MSATS participant ID. This field is Mandatory for New Connection and Allocate NMI ServiceOrderRequests if the Service Provider is not the Responsible Person. Not Required for a "Cancel" ServiceOrderRequest.	R/N	N (M/N -)	N	N	N	N	N	N	N	N
MPB	VARCHAR(10)	Meter Provider Type B MSATS participant ID. This field is Mandatory for New Connection and Allocate NMI ServiceOrderRequests if the Service Provider is not the Responsible Person. Not Required for a "Cancel" ServiceOrderRequest.	R/N	N (M/N -)	N	N	N	N	N	N	N	N
MPC	VARCHAR(10)	Meter Provider Type C MSATS participant ID. This field is Mandatory for New Connection and Allocate NMI ServiceOrderRequests if the Service Provider is not the Responsible Person. Not Required for a "Cancel" ServiceOrderRequest.	R/N	N (M/N -)	N	N	N	N	N	N	N	N
NMIStatusCode	CHAR(1)	Status Code that the NMI is to become after completion of the Service Order. Allowed values are "Active" or "De-energised". Not Required for a "Cancel" ServiceOrderRequest.	N	M/N	N	N	N	M/N	N	N	N	O
Embedded NetworkParent Name	VARCHAR(10)	Valid MSATS parent identifier. Not Required for a "Cancel" ServiceOrderRequest.	R/N	R/N	N	N	N	N	N	N	N	N

Field	Format	Definition	Allocate NMI (ACT & NSW only)	New Connection (WA, ACT, V/c, QLD & SA only)	Re-energisation	De-energisation normal/non-payment	Special Read	Adds and AIts (WA, ACT, V/c, QLD & SA only)	Meter Reconfiguration	Meter Investigation	Supply Abolishment	Miscellaneous
CustomerType	VARCHAR(11)	Code indicating Customer type. Allowed values: <ul style="list-style-type: none"> Industrial Commercial Residential Domestic Farm Lighting Not Required for a "Cancel" ServiceOrderRequest .	M/N	M/N	N	N	N	R/N	N	N	N	O
AverageDaily Load	NUMBER(10)	Estimated numerical load value in kWh. Not Required for a "Cancel" ServiceOrderRequest .	M/N	M/N R	N	N	N	R/N	N	N	N	O
MaximumDemand	NUMBER(4)	Maximum demand (in kw) of installation in accordance with Australian Standard AS3000 (calculated at 240 volts). Not Required for a "Cancel" ServiceOrderRequest .	R/N	R/N	N	N	N	R/N	N	N	N	O
REC-Name	PERSON NAME	Registered Electrical Contractor name. Required in Victoria and SA only Not Required for a "Cancel" ServiceOrderRequest .	N	M/N	N	N	N	R/N	N	N	N	O
REC-BusinessName	BUSINESS NAME	Registered Electrical Contractor Business Name. Required in Victoria and SA only Not Required for a "Cancel" ServiceOrderRequest .	N	M/N	N	N	N	R/N	N	N	N	O
REC-Telephone	TELEPHONE	Registered Electrical Contractor telephone number. A maximum of three telephone numbers must be provided. Required in Victoria and SA only Not Required for a "Cancel" ServiceOrderRequest .	N	M/N	N	N	N	R/N	N	N	N	O

Field	Format	Definition	Allocate NMI (ACT & NSW only)	New Connection (WA, ACT, V/ic, QLD & SA only)	Re-energisation	De-energisation normal/non-payment	Special Read	Adds and AIts (WA, ACT, V/ic, QLD & SA only)	Meter Reconfiguration	Meter Investigation	Supply Abolishment	Miscellaneous
<i>REC-ID</i>	VARCHAR(20)	Registered Electrical Contractor ID/ licence number. Required in Victoria and SA only Not Required for a "Cancel" <u>ServiceOrderRequest</u> .	N	M/N	N	N	N	R/N	N	N	N	O
<i>REC-Attendance Required</i>	YESNO	Does Registered Electrical Contractor need to be present when the Service Provider performs the Field Work? Yes = REC to be present. No = No need to have REC present. Required in Victoria and SA only Not Required for a "Cancel" <u>ServiceOrderRequest</u> .	N	M/N	N	N	N	M/N	N	N	N	O
<i>InstallationType</i>	VARCHAR(30)	Code indicating the type of installation required: <ul style="list-style-type: none"> • Underground • Overhead • Underground To Overhead Mains • Overhead To Underground Mains • Transformer Overhead • Transformer Ground Level Required in WA, Victoria and SA only Not Required for a "Cancel" <u>ServiceOrderRequest</u> .	N	M/N R	N	N	N	R/N	N	N	N	O

Field	Format	Definition	Allocate NMI (ACT & NSW only)	New Connection (WA, ACT, V/ic, QLD & SA only)	Re-energisation	De-energisation normal/non-payment	Special Read	Adds and AIts (WA, ACT, V/ic, QLD & SA only)	Meter Reconfiguration	Meter Investigation	Supply Abolishment	Miscellaneous
SupplyPhases	VARCHAR(20)	Code indicating number of phases supply is to support: <ul style="list-style-type: none"> 1-phase 2-phase 3-phase Other Multi-phase If "Other Multi-phase" used, then further details must be provided as <i>SpecialInstructions</i> . Required in Victoria and SA only Not Required for a "Cancel" <u>ServiceOrderRequest</u> .	N	M/N R	N	N	N	R/N	N	N	N	O
MeteringRequired	VARCHAR(12)	Code indicating new type of metering required for Basic Metered and MRIM Sites (Types 5 and 6) only: <ul style="list-style-type: none"> Flat Rate Two Rate Time Of Use CT Meter Other If "Other" used, then further details must be provided as <i>SpecialInstructions</i> . Not Required for a "Cancel" <u>ServiceOrderRequest</u> .	N	R/N (M/N for Types 5 and 6)	N	N	N	R/N	N	N	N	O
OffPeak Requirements	VARCHAR(240)	Details of any off-peak requirements, such as: Mandatory for WA Market New Connection <ul style="list-style-type: none"> Space heating Climate Saver Hot Water Not Required for a "Cancel" <u>ServiceOrderRequest</u> .	N	R/N M	N	N	N	R/N	N	N	N	O
MeterInstallCode	CHAR(8)	As per MSATS WA Build Pack List of Codes document. Not Required for a "Cancel" <u>ServiceOrderRequest</u> .	N	M/N R	N	N	N	R/N	N	N	N	O

Field	Format	Definition	Allocate NMI (ACT & NSW only)	New Connection (WA, ACT, V/ic, QLD & SA only)	Re-energisation	De-energisation normal/non-payment	Special Read	Adds and AIts (WA, ACT, V/ic, QLD & SA only)	Meter Reconfiguration	Meter Investigation	Supply Abolishment	Miscellaneous
<i>SwitchingService Required</i>	YESNO	Service Provider expected to provide and install a switching service (eg. time-switch or ripple controller)? Allowed values: • Yes • No Not Required for a "Cancel" <u>ServiceOrderRequest</u> .	N	M/N	N	N	N	N	N	N	N	O
<i>ProposedTariff</i>	VARCHAR(10)	The new network tariff required by the Retailer. Allowed values are the code for the Network's published tariff assigned within MSATS at the meter register ID level and as gazetted by the Regulator. The field can be repeated as necessary if multiple tariffs are required. Only one (1) tariff is allowed in WA. Not Required for a "Cancel" <u>ServiceOrderRequest</u> .	N	O/N	N	N	N	O/N	O/N	N	N	O/N

4.2 ServiceOrderResponse Transaction Data

Key	M	=	Mandatory (must be provided in all situations).
	R	=	Required (if this information is available or has changed).
	O	=	Optional (may be provided).
	N	=	Not required (not to be provided).

Field	Format	Definition	All Responses
<i>ResponseType</i>	VARCHAR(15)	Allowed value = "Closure"	M
<i>RetServiceOrder</i>	VARCHAR(15)	Retailer defined reference, used for reference and tracking. This is the same field as the one in the MDFF file. Format must exactly match that used in the ServiceOrderRequest (including leading or trailing zeros and spaces).	M
<i>RetailerID</i>	VARCHAR(10)	Retailer's Participant ID as published by the IMO.NEMMC	O, M
<i>ServiceProviderID</i>	VARCHAR(10)	Service Provider (DNSP or MDP or MPB) Participant ID as published by the IMO. NEMMCO.	M
<i>NMI</i>	CHAR(10)	NMI (as used by MSATS). This field is Mandatory for all Responses except Responses to Allocate NMI or New Connection Requests with a <i>ServiceOrderStatus</i> of "Not Completed".	N/M
<i>NMIChecksum</i>	CHAR(1)	NMI Checksum (as used by MSATS).	O
<i>ServiceOrderAddress</i>	ADDRESS	Site/Service Point address in a structured format where available, otherwise unstructured. For details of the ADDRESS structure, refer <i>Technical Guidelines for B2B Process Specifications</i> . This field is Mandatory if the NMI is not provided in the Response.	N/M
<i>ServiceOrderStatus</i>	VARCHAR(20)	Indicates status of Service Order. Refer section 2.6.5.a and s2.12.9.b: Completed =Completed Partially Completed =Partially Completed (primary work done, but an actual read has not been obtained – see relevant <i>ExceptionCodes</i>). Not Completed =Not completed (primary work not done - see relevant <i>ExceptionCodes</i>). Note: "Primary work" means the activity described by the <i>ServiceOrderType</i> field. The <i>SpecialNotes</i> field must used if a <i>ServiceOrderStatus</i> of "Partially Completed" is used.	M

Field	Format	Definition	All Responses
<i>ExceptionCode</i>	VARCHAR(80)	<p>Note: this field is Mandatory if <i>ServiceOrderStatus</i> is "Not Completed" or "Partially Completed" (refer 2.6.5.a). Refer 2.12.3 for further details regarding this field.</p> <p>The following exception codes should be used where the <i>ServiceOrderStatus</i> is "Not Completed".</p> <ul style="list-style-type: none"> "Unable To Access" "No Supply" "Unsafe" "Retailer Cancellation" "Service Provider Cancellation" "Other" "Unknown Load" "Documentation Not Provided" "Request Submitted By Another Retailer" "De-energisation Not Completed Due To A Re-energisation" <p>The following codes are specific to De-energisation Service Orders where the <i>ServiceOrderStatus</i> is "Not Completed".</p> <ul style="list-style-type: none"> "Customer Prevented" "Customer On-Site" "New Customer On-Site" "Sensitive Load" <p>The following exception codes should be used where the <i>ServiceOrderStatus</i> is "Partially Completed":</p> <ul style="list-style-type: none"> "Metering Problem" "Reading Problem" "Other" <p>The following exception codes may be used where the <i>ServiceOrderStatus</i> is "Completed":</p> <ul style="list-style-type: none"> "Meter Reading Only Undertaken Due To Prior Re-energisation" 	R
<i>ActualDate AndTime</i>	DATETIME	<p>Actual date and time work was attempted or completed.</p> <p>Where the <i>ServiceOrderRequest</i> is not attempted (for example when it is cancelled), this field must be populated with the date and time of the cancellation in the Service Provider's system.</p>	M
<i>SpecialNotes</i>	VARCHAR(240)	<p>Any special notes related to the Request and fieldwork that the Service Provider wishes to make the Retailer aware of.</p> <p>This field is Mandatory if an <i>ExceptionCode</i> value of "Other", "Service Provider Cancellation", or "Documentation Not Provided" is provided, or a <i>ServiceOrderStatus</i> of "Partially Completed" is used.</p>	O/M

Field	Format	Definition	All Responses
<i>ServiceProviderContactName</i>	PERSON NAME	Contact name of Service Provider, to be provided where Retailer may need to contact the Service Provider.	O
<i>ServiceProviderContactTelephoneNumber</i>	TELEPHONE	Contact telephone number of Service Provider. A maximum of three telephone numbers must be provided.	O
<i>ServiceProviderReference</i>	VARCHAR(15)	Service Provider defined reference, used for reference and tracking. Not necessarily unique. This field is for information only and must not be used for validation of the Response.	R
<i>ProductCode1</i>	VARCHAR(10)	<p>Standard Codes:</p> <p>"No Charge" = used where there is no fee for the service provided.</p> <p>"Cost TBA" = Used where the Service Provider needs to do further investigation to determine what work was attempted or completed at the Site. Refer 2.6.5.c.</p> <p>"As Quoted" = Used where the parties have previously agreed the price for the work.</p> <p>At least one <i>ProductCode</i> must be provided in all jurisdictions.</p> <p>Up to three <i>ProductCodes</i> can be used per Response, that is, the field may be repeated 3 times.</p> <p>The <i>ProductCodes</i> for each jurisdiction are published on various websites for each of jurisdiction. At the time of publication these were:</p> <p>The Victorian Product Codes are published in the Essential Services Commission website: http://www.esc.vic.gov.au/electricity210.html - see <i>Schedule of Standard Service Charges and Miscellaneous Service Charges (effective 1 January 2002)</i>.</p> <p>The ACT, NSW, SA and Queensland codes are as published by each DNSP.</p>	M
<i>ProductCode2</i>	VARCHAR(10)	See previous definition.	R
<i>ProductCode3</i>	VARCHAR(10)	See previous definition.	R

4.3 ServiceOrderAppointmentNotification Transaction Data – SA

Field	Format	Comments	O/M/R
<i>ResponseType</i>	VARCHAR (15)	Allowed value = "Appointment".	M
<i>RetServiceOrder</i>	VARCHAR(15)	Retailer defined reference, used for referencing and tracking.	M
<i>RetailerID</i>	VARCHAR(10)	Retailer's Participant ID as published by the IMO. NEMMCO.	M
<i>ServiceProviderID</i>	VARCHAR(10)	Service Provider (DNSP or MDP or MPB) Participant ID as published by the IMO. NEMMCO.	M
<i>NMI</i>	CHAR(10)	NMI (as used by MSATS). This field is Mandatory if the <i>ServiceOrderAddress</i> is not provided in the Request.	N/M
<i>NMIChecksum</i>	CHAR(1)	NMI Checksum	O
<i>ServiceOrderAddress</i>	ADDRESS	Site/Service Point address in a structured format where available, otherwise unstructured. For details of the ADDRESS structure, refer <i>Technical Guidelines for B2B Process Specifications</i> . This field is Mandatory if the NMI is not provided in the Request.	N/M
<i>AppointmentReference</i>	VARCHAR(15)	Appointment reference to be provided if an Appointment has been agreed by the Service Provider with the Customer.	M
<i>CustomersPreferredDateAndTime</i>	DATETIME	Scheduled time for new connection. If no appointment time is specified, indicate this by using 00:00 as the hh:mm part of DATETIME.	M
<i>ServiceProviderReference</i>	VARCHAR(15)	Service Provider defined reference, used for reference and tracking. Not necessarily unique. This field is for information only and must not be used for validation of the Notification.	R

4.4 BusinessAcceptance/Rejection Transaction Data

- Key**
- M = Mandatory (must be provided in all situations).
 - R = Required (if this information is available or has changed).
 - O = Optional (may be provided).
 - N = Not relevant (not to be provided).

- a. Participants must use the most relevant *EventCode* for the Business Event. Where multiple *EventCodes* are applicable, these should all be provided.
- b. Where the *EventCode* is not in the aseXML reserved range (0-999), an *EventCodeDescription* must be included in accordance with the aseXML Guidelines.
- c. The following table provides details of the data elements to be included in the BusinessAcceptance/Rejection business signal.

Field	Format	Definition	All ServiceOrderTypes
<i>EventCode</i>	NUMERIC(4)	A code to indicate acceptance or the reason for the rejection. Applicable codes are in the table at 4.4.1.	M
<i>KeyInfo</i>	VARCHAR(15)	The <i>RetServiceOrder</i> of the transaction being accepted or rejected.	M
<i>Context</i>	EVENT CONTEXT	The Data Element in the received Business Document (eg. <i>RequiredDate</i>) that causes the Event.	O
<i>Explanation</i>	UNLIMITED VARCHAR	An explanation of the event. Must be provided where the Business Event requires an <i>Explanation</i> .	M/O

4.4.1 Applicable Events and their EventCodes

a. The following table identifies the Events that can arise with this process and the relevant Business Signals to which they relate.

Business Document	Business Signal	Business Event	Explanation Required	Severity	Document Reference or Notes
ServiceOrderRequest	<u>BusinessAcceptance/Rejection</u>	<i>ServiceOrderSubType</i> does not match <i>ServiceOrderType</i> .	No	Error	4.1
		Unable to perform the work within the Required Timeframe, alternative date provided in <i>Explanation</i> .	Yes	Warning	2.6.3.d
		Unable to perform the work after hours, alternative time provided in <i>Explanation</i> .	Yes	Warning	2.12.1.and 2.12.6.c
		New Request with previously used <i>RetServiceOrder</i> .	No	Error	4.1
		Service Provider does not support this <i>ServiceOrderType</i> or <i>ServiceOrderSubType</i> .	No	Error	
		The Request falls outside the Service Provider's regulatory and contractual obligations.	Yes	Error	
		Invalid <i>AppointmentReference</i> .	No	Error	2.3
		Unable to cancel <u>ServiceOrderRequest</u> . Requested work has commenced or is completed.	No	Error	2.10
		NMI already allocated for this address.	No	Error	4.1, limited to Allocate NMI_ <u>ServiceOrderRequests</u>

Business Document	Business Signal	Business Event	Explanation Required	Severity	Document Reference or Notes
		Requested metering configuration is incorrect.	Yes	Error	2.12.5.c
		No Meter At Site	No	Error	When a <u>ServiceOrderRequest</u> requires a meter to be present at the Site but there is no meter installed at the Site.
		Unable To Cancel, Original Request Not Received	No	Error	2.10.c.. – Used where a “Cancel” <u>ServiceOrderRequest</u> is received without a matching “New” <u>ServiceOrderRequest</u> .
		Previous Cancellation Already Processed	No	Error	2.10.c..– Used where a “New” <u>ServiceOrderRequest</u> is received after “Cancel” version of the same Request has been rejected.
		Retailer Is Not Permitted To Raise This Service Order Type	No		2.5.c
		Rejection – Site already de-energised.	No	Error	2.12.7.c
		Request submitted by another Retailer	No	Error	2.12.14.4
		<i>RetServiceOrder</i> value of the original Request that was rejected is not in <i>SpecialInstructions</i> .	No	Error	2.2.1.i
		<i>ScheduledDate</i> greater than 100 calendar days in the future.	No	Error	2.6.2.e
		Documentation required, see <i>Explanation</i> for details.	Yes	Warning	4.1 (<i>FormReference</i> and <i>SafetyCertificateId</i> fields), 2.12.7.d.5

Business Document	Business Signal	Business Event	Explanation Required	Severity	Document Reference or Notes
		"Replace" <u>ServiceOrderRequest</u> sent without the prior agreement of the Receiver.	No	Error	2.2.1.i.1
		Unable To Cancel, Original Request Rejected	No	Error	
		Invalid Multiple Service Order Combination	Yes	Error	2.12.14.6
<u>ServiceOrderResponse</u>	<u>BusinessAcceptance/Rejection</u>	<u>ActualDateAndTime</u> is after the date and time the <u>ServiceOrderResponse</u> was sent.	No	Error	
		Product Code does not match requested work	No	Warning	
<u>ServiceOrderAppointmentNotification</u>	<u>BusinessAcceptance/Rejection</u>	Appointment Notification does not match a <u>ServiceOrderRequest</u> .	No	Error	
<u>All</u>	<u>All</u>	Accept.	No	Information	Standard aseXML Code
		Data missing. Details provided in <i>Explanation</i> .	Yes	Error	Standard aseXML Code Used where data with a usage of Required in the Procedure is missing.
		Invalid data. Details provided in <i>Explanation</i> .	Yes	Error	Standard aseXML Code Covers situations where the data in individual or combinations of fields is invalid.
		Mandatory field not populated. Missing field(s) listed in <i>Explanation</i> .	Yes	Error	Used where a field with a usage of Mandatory in the Procedure is not supplied.
		<i>NMIChecksum</i> invalid.	No	Error	

Business Document	Business Signal	Business Event	Explanation Required	Severity	Document Reference or Notes
		Recipient did not initiate Request	Yes	Error	Standard aseXML Code
		Recipient is not responsible for the supplied NMI.	Yes	Error	

End of Document