

POWER OF CHOICE – PROGRAM CONSULTATIVE FORUM (POC-PCF) MEETING PACK

September 2016

PRESENTED BY BENJAMIN HEALY



AGENDA SLIDE

1. Background
2. Introductions
 1. PCF membership
3. Program Structure
 1. Work streams
 2. Program overview
 3. Processes
4. Work stream update
5. Forward Meeting plan

BACKGROUND



- On 26 November 2015, the AEMC made its final rule determination for Competition in Metering and Related Services.
- On 17 December 2015, the AEMC made its final rule determination for Embedded Networks
- On 17 March 2016, the AEMC made its final rule determination for Meter Replacement Processes
- The new arrangements, which will commence on 1 December 2017, have required changes to the National Electricity Rules (NER) and the National Electricity Retail Rules (NERR)
- The changes to the NER require that AEMO and the IEC amend existing procedures and that AEMO create new procedures

BACKGROUND: KEY POINTS



- Rule consultations have concluded
- Currently in an ‘implementation phase’
 - Expectation that all participants are currently undertaking implementation programs
- Prescribed timeframes
 - ‘Go live’ date (Rules effective date) is a law.

- ToR key points, purpose:

The Power of Choice Program Consultative Forum (POC-PCF) has been formed to support the overall progression of the POC Implementation Program. The POC-PCF provides an opportunity for all impacted participants and other related bodies to contribute to POC Implementation Program planning activities, facilitate risk and issue management, provide review for relevant documentation and oversight of POC working groups.

Membership:

The following membership criteria is targeted to all POC-PCF members on behalf of the represented business, noting that alternate or delegate members will be required to meet the same criteria:

1. Authority to agree parameters relating to the scope, delivery timeframe, expected outcomes and any recommendations of the Program.
2. Authority to commit and mobilise internal resources to progress Program deliverables in accordance with established stage and implementation plans.
3. Authority to confirm the availability of POC-WG members (specifically, subject matter experts) across multiple business areas.

Accountabilities

On behalf of the represented business, members are accountable for the:

1. Mobilisation of subject matter expert resources across multiple business areas within the represented business.
2. Arbitration of decisions where POC-WGs cannot reach consensus.
3. Timely resolution of escalated issues and risks.
4. Management and resolution of assigned actions.
5. Active support of POC-WG members to ensure the accurate and timely completion of Program deliverables.
6. Quality assurance of relevant Program documentation.
7. Internal communication of POC outcomes.

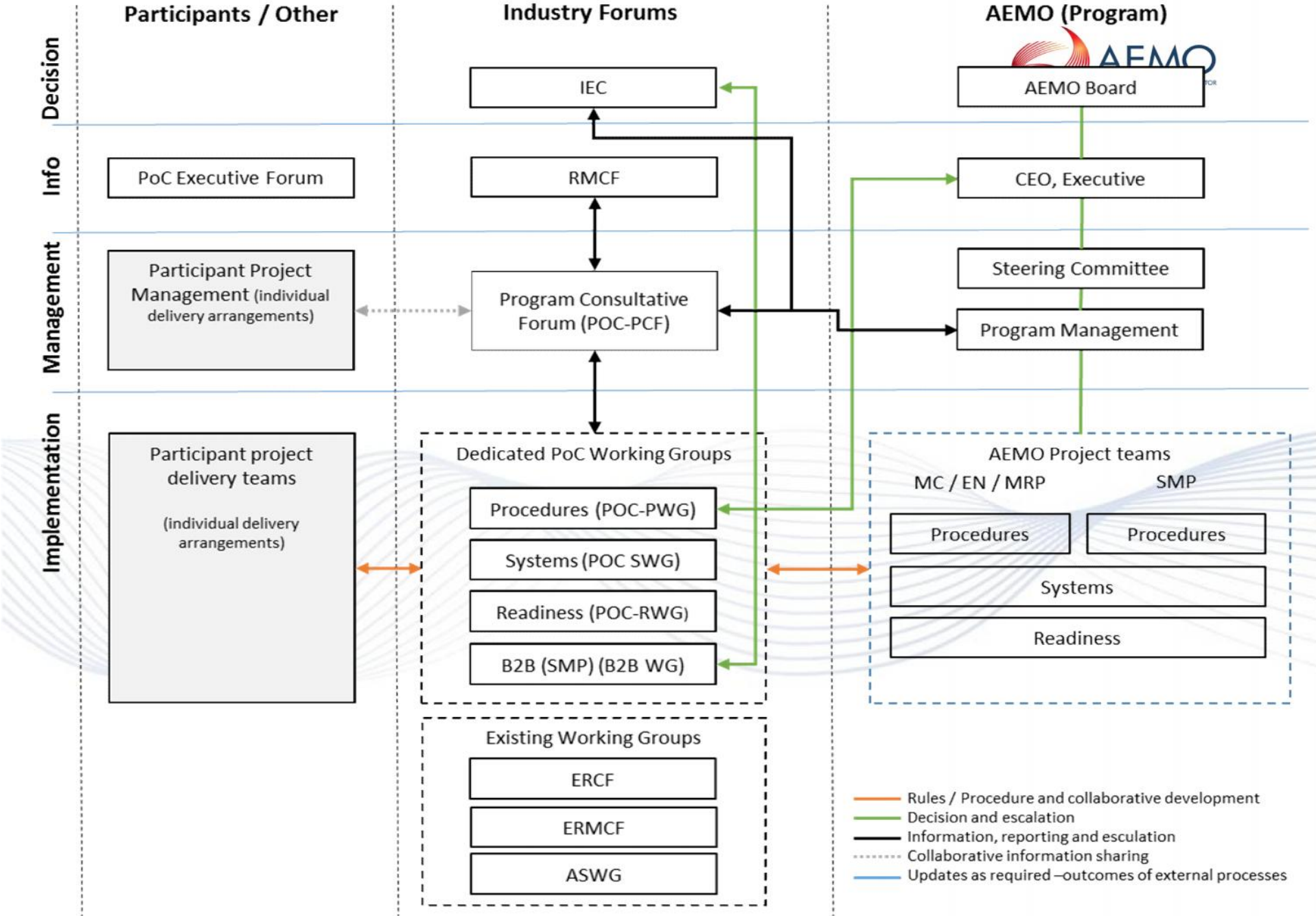
PCF MEMBERSHIP: KEY POINTS



POC-PCF key points:

- Large groups require that:
 - Members are familiar with content of rule changes
 - Members are 'briefed-in' by their respective WG attendees
 - Members raise topics prior to PCF meetings for discussion
 - Members are familiar with the 'typical' industry processes
- Intentionally separated from the working groups
- Meeting Frequency
 - Monthly
 - As required around milestones

PROGRAM STRUCTURE: WORK STREAMS



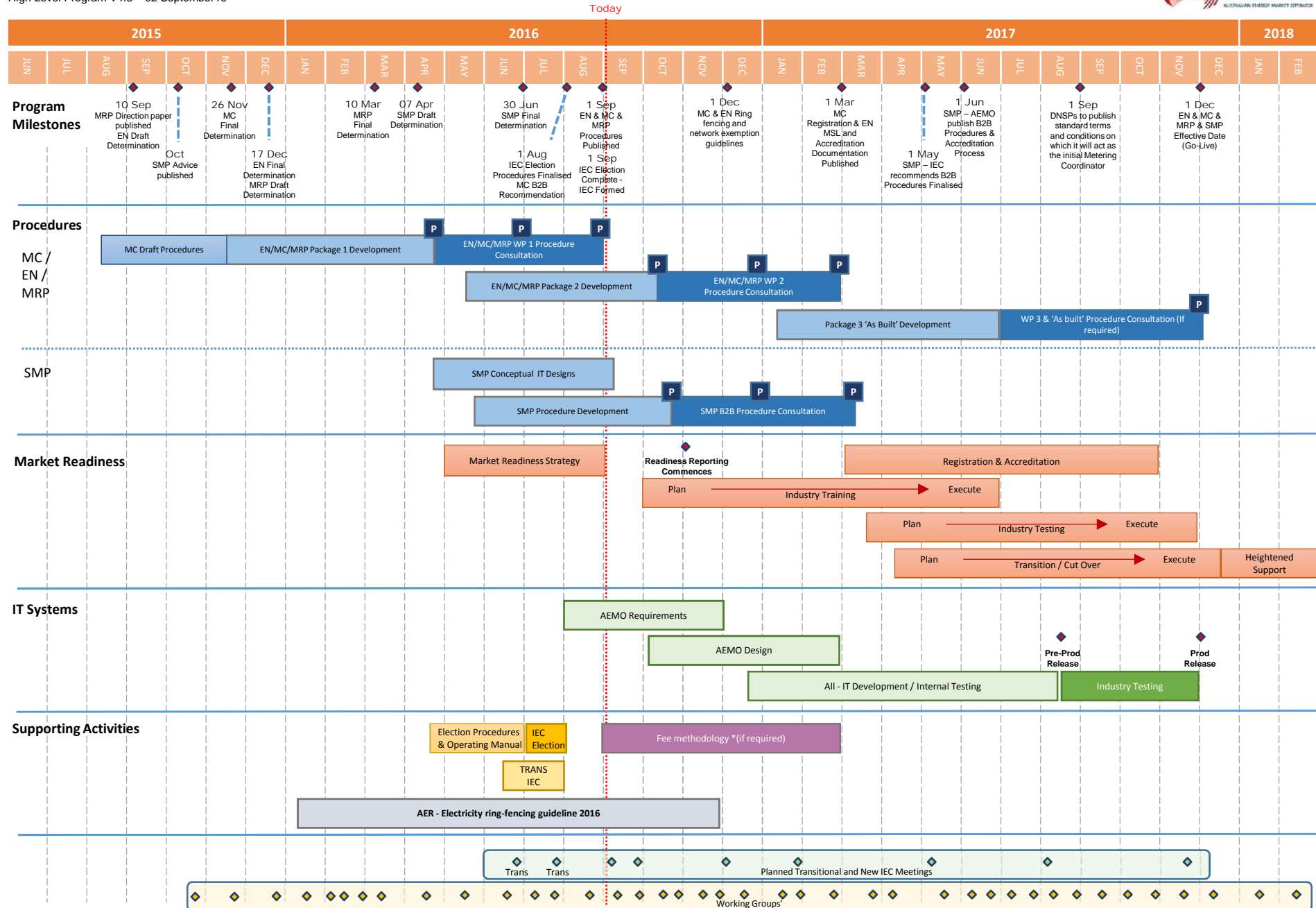
PROGRAM STRUCTURE: WORK STREAMS



- Each work stream will have a working group
- Work streams have been formed with respect to both deliverables and critical skill requirements.
- Currently planning on utilising the ASWG for PoC work
- Decisions in relation to the POC deliverables developed in these work streams are with either the IEC or AEMO.

Power of Choice (PoC) Program Overview

High Level Program V4.3 – 02 September16



For Information: poc@aemo.com.au

EN = Embedded Network, MRP = Meter Replacement Processes MC = Metering Competition, SMP = Shared Market Protocols

P Publish
 ◆ Milestone
 ◆ Working group meeting
 ◆ Proposed IEC Meetings (Trans & New)

For detailed meeting schedule and agendas, see the [2016 industry meeting schedule](#).

POWER OF CHOICE MILESTONES



Deliverable / Milestone	Project	Description	Planned date	Expected date	Status
AEMC publish MRP Directions paper & EN draft determination	EN, MRP		10 Sep 15		✓
AEMC publish SMP advice paper	SMP		Early-Oct 15	10 Oct 15	✓
AEMC publish final rule determination	MC		24 Nov 15	26 Nov 15	✓
AEMC release final determination	EN		17 Dec 15		✓
AEMC release draft determination	MRP		17 Dec 15		✓
AEMC publish draft rule determination	SMP		Early-Feb 16	07 Apr 16	✓
AEMC publish final rule determination	MRP		10 Mar 16		✓
AEMO pre-consultation workshops conclude	MC,EN,MRP		11 Mar 16		✓
AEMO releases Pre-Consultation Paper	MC,EN,MRP		08 Apr 16		✓
AEMO publishes notice first stage consultation	MC,EN,MRP		22 Apr 16		✓
AEMC publish final rule determination	SMP		26 May 16	30 Jun 16	✓
AEMO concludes first stage consultation	MC,EN,MRP		31 May 16		✓
AEMO begins Readiness Workstream engagement	MC,EN,MRP		20 Jun 16	21 Jun 16	✓
AEMO publish draft procedure determination	MC,EN,MRP		30 Jun 16	29 Jun 16	✓
AEMO concludes second stage consultation	MC,EN,MRP		15 Jul 16	20 Jul 16	✓
AEMO publishes final procedure determination	MC,EN,MRP	No later than 1 Sep 16	26 Aug 16	31 Aug 16	✓
AEMO publishes notice first stage consultation (WP2)	MC,EN,MRP		10 Oct 16		🟢
<i>AEMO publishes notice first stage consultation</i>	<i>B2B: All</i>		<i>10 Oct 16</i>	<i>20 Oct 16</i>	🟡
IEC Election complete – IEC formed	SMP	Noting this is a no later than date.	01 Sep 16	01 Sep 16	✓
AEMO concludes first stage consultation	MC,EN,MRP		15 Nov 16		🟠

POWER OF CHOICE MILESTONES



Deliverable / Milestone	Project	Description	Planned date	Expected date	Status
<i>AEMO concludes first stage consultation</i>	<i>B2B: All</i>		15 Nov 16	25 Nov 16	○
AEMO commences development of Fee Methodology	SMP	If required	Nov 16	Sep 16	○
AER publishes ring fencing & network exemption guidelines	MC,EN		01 Dec 16		○
AEMO publish draft procedure determination	MC,EN,MRP		13 Dec 16		○
<i>AEMO publish draft procedure determination</i>	<i>B2B: All</i>		<i>13 Dec 16</i>	<i>23 Dec 16</i>	○
System implementation period commences	All		Mid Dec 16		○
AEMO concludes second stage consultation	MC,EN,MRP		30 Dec 16	16 Jan 17	○
<i>AEMO concludes second stage consultation</i>	<i>B2B: All</i>		<i>30 Dec 16</i>	<i>20 Jan 17</i>	○
<i>AEMO seeks IEC recommendation for B2B changes</i>	<i>B2B: All</i>	TBC Preceding AMEO Feb Board	<i>22 Jan 17</i>	<i>Late Feb 17</i>	○
AEMO publishes final procedure determination	MC,EN,MRP	Obligation is no later than 1 Mar 17	01 Mar 17	28 Feb 17	○
<i>AEMO publishes final procedure determination</i>	<i>B2B: All</i>	<i>Obligation is no later than 1 Jun 17</i>	<i>01 Mar 17</i>	<i>06 Mar 17</i>	○
AEMO publishes Fee Methodology (participant fee structure)	SMP	If required	01 Mar 17		○
AEMO commences readiness (registration/accreditation)	All	To be determined in readiness strategy	Mar 17		○
Proposed commencement of industry testing	All	To be determined in test plan	Aug 17		○
DNSPs to publish T&C's on which it will act as the initial MC	MC		1 Sep 17		○
PoC Effective date	All		1 Dec 17		○

PROGRAM SCHEDULE



- Fixed milestones (defined in Rules):
 - 1 March 2017 MC Registration & EN MSL and Accreditation Documentation Published
 - 1 May 2017 IEC recommends B2B Procedures Finalised
 - 1 June 2017 AEMO publish B2B Procedures & Accreditation Process
 - 1 September 2017 DNSPs to publish standard terms and conditions on which it will act as the initial Metering Coordinator
 - 1 December 2017 Rules Effective Date (Go-Live)

Other key milestones:

- Commencement of industry readiness reporting
 - Readiness working group has nominated November 2016
- Procedures completed, guideline(s) updated and published
 - AEMO proposes to have this complete by end of March 2017
- Commencement of registration or accreditation activities
 - AEMO proposes that these commence following the publication of procedure consultation 2 in March 2017.
- Commencement of industry testing/market trail activities
 - AEMO proposes mid-August 2017

Dates that have (limited) flexibility:

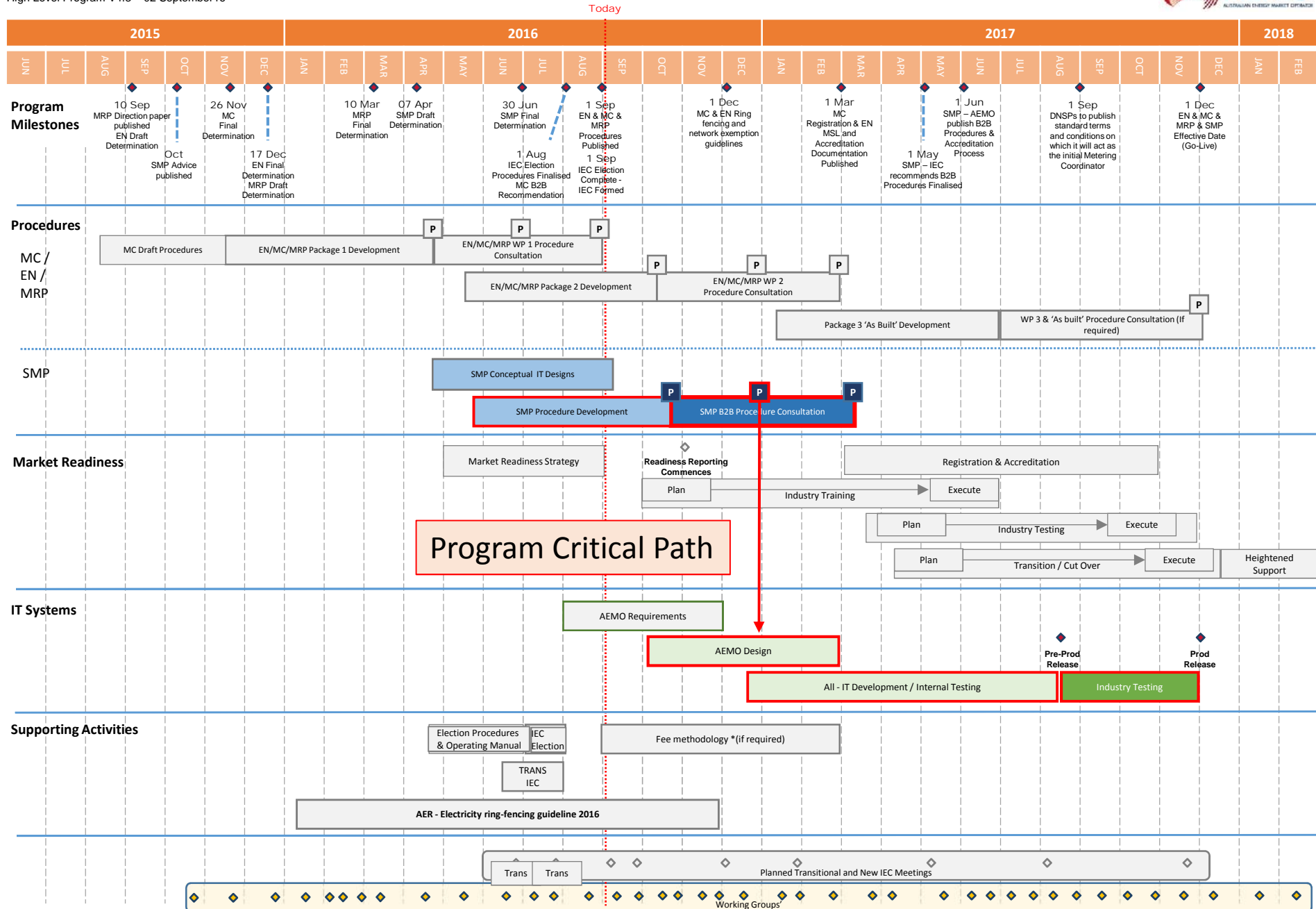
- Interim dates that will be developed in the following detailed plans:
 - Industry training
 - Market testing plan (including any certification, pre-entry testing or trial testing as determined by the working group)
 - Market transition and cut-over plan
- Availability of any ‘sandbox’ environments pre-market industry testing period.

Critical Path:

- B2B Procedure development
- B2B Procedure consultation
- AEMO / participant system development
- AEMO / participant system testing
- Effective date

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PCF PROCESSES:



- Risk & Issues – management plan
 - Raised by participants / working groups / PCF / AEMO
 - Reviewed, collated and published by AEMO
 - Reviewed and monitored by PCF

- Raising discussion points / PCF agenda items
 - Paper > one week prior to PCF
 - AEMO circulate with meeting pack, make agenda item
 - Paper should:
 - Purpose
 - Background: brief overview
 - Body: issues/problem/discussion points, identify affected parties
 - Provide recommendation(s)
 - Keep it succinct and to a few pages

AEMO POWER OF CHOICE (POC) IMPLEMENTATION PROJECT:

AEMO PROCEDURES WORK STREAM UPDATE

September 2016

PRESENTED BY TIM SHERIDAN



WORK PACKAGES



- AEMO has structured these procedure changes into three work packages, with NER consultation to be completed by the following timelines:
 - 1 September 2016 (**Work Package 1**)
 - Metrology Procedures, MSATS Procedures, Service Level Procedures
 - 1 March 2017 (**Work Package 2**)
 - Accreditation/Deregistration Procedures, Exemption Procedures, ENM Service Level Procedures
 - 1 December 2017 (**Work Package 3**)
 - Jurisdictional metrology amendments, etc.
 - 'As built'

KEY DATES / MILESTONES



- **Work Package 1:** AEMO published the final determination on 31 August 2016
- **Work Package 2:** consultation timelines are detailed below

10 October 2016	AEMO publishes Notice of First Stage Consultation
15 November 2016	Submissions close for First Stage of Consultation
13 December 2016	AEMO publishes Notice of Second Stage Consultation (Draft Report and Determination)
16 January 2017	Submissions close for Second Stage of Consultation
28 February 2017	AEMO publishes Final Report and Determination

- **Work Package 3:** consultation is scheduled to commence in July 2017

AEMO POWER OF CHOICE (POC) IMPLEMENTATION PROJECT:

B2B PROCEDURE STREAM UPDATE

September 2016



PRESENTED BY CHRIS CORMACK



B2B PROCEDURES DELIVERABLES AND MILESTONES



- Four key Procedures updates:
 - Service Order Process
 - Customer Site Details Notification
 - Meter Data Process
 - One Way Notification
- Other documents
 - Technical Specification
 - Business Rules Guide
 - Glossary update for B2B terminology
 - ROLR Procedure Part B
- Consultation process (subject to IEC approval)
 - Procedure Consultation on Initial Draft procedures set to start on October 20
 - Draft procedures published on 23 December
 - Final procedures published on 6 March 2017

6 March 2017 Final B2B Procedures are set to be published

The B2B procedure stream will also assist in System testing and Market Readiness stream activities

B2B PROCEDURES UPDATE



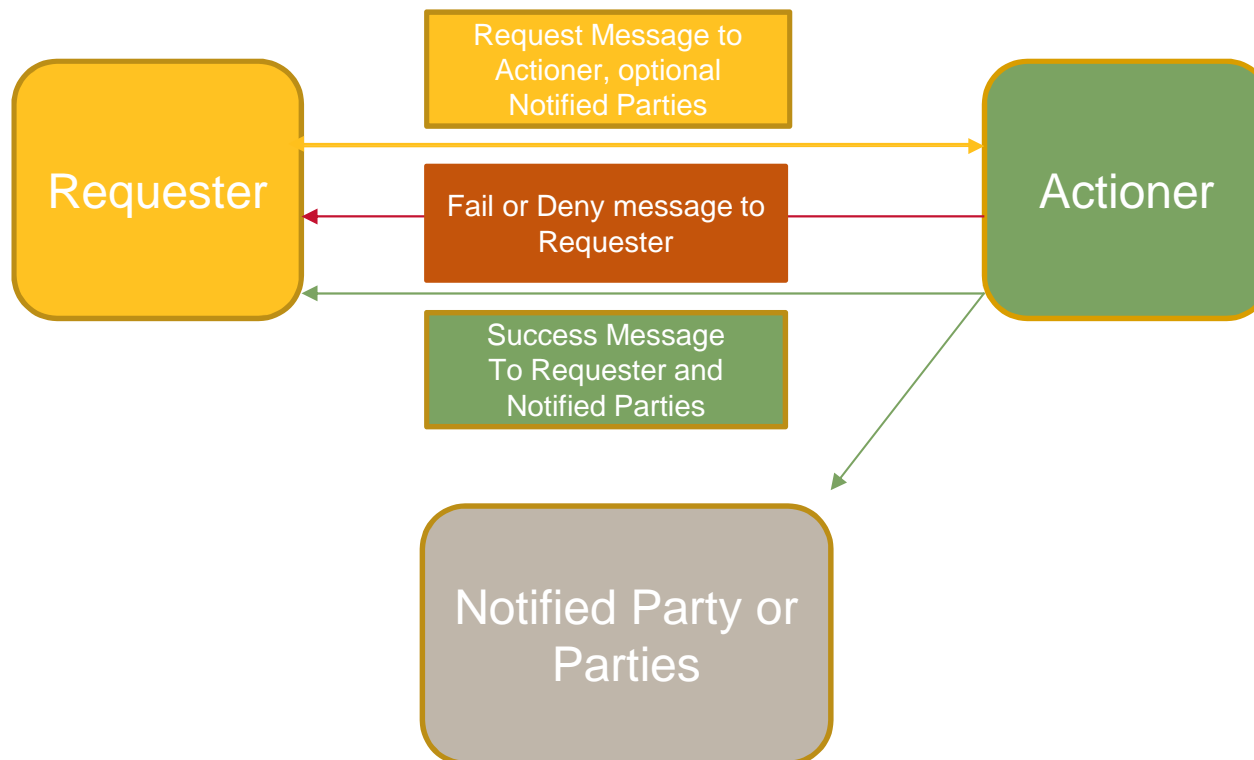
- Following 30 June 2016 release of the final rule, the IEC election and B2B working group was formed in July 2016 to complete the B2B procedure update.
- 12 members have been chosen including four from each Industry group Retailers, Distributors and Metering Providers.
- B2B Working Group has now met 9 times:
 - 3 August 2016 – Kick-off meeting to agree an approach to complete the procedures.
 - 9 August 2016 – Prioritisation forum agreed list of high/medium and low priority items – see page over for details.
 - 16 August 2016 – Workshop 1 developed a model for new commutations and procedures (see example)
 - 22 and 23 August 2016 – work through High priority items.
 - 1 and 2 September 2016 – work through High and Medium priority items.
 - 7 and 8 September 2016 – work through remaining Medium priority items.
 - IEC Meeting 13 September 2016 were they were updated – risks to delivery were discussed.
 - We have now collected all the material and are drafting 4 procedures – Service Order Process, Customer Site Details Notification, Meter Data Process and One Way Notification.
- Upcoming events
 - 22 September - B2B Working Group Workshop to discuss Technical Delivery specification and outstanding matters
 - 27 September – B2B Working Group Workshop – Procedure Review.

B2B PROCEDURES PRIORITISATION



High	Medium	Low
New connections	Site Abolishment	Meter Follow Up and Recovery
Adds and Alts	Provide Meter Data	NMI Supply Failure (Last gasp)
Physical De-energisation	Standard Meter Data Delivery (MDFF)	NMI Supply restoration
Physical Re-Energisation	Verify Meter Data	NMI Load Limit
Notice of Works	Planned Interruption	Load Management
Meter Replacement	Network Tariff	Provide Local Access
CSDN – Customer Site Details Notification	Remote De -energisation	Type 4A Schedule Meter Read
	Remote Re-energisation	Combine and Centralise NMI
	Remote Meter Read - Scheduled	Revenue Assurance
	Remote Meter Read - On Demand	
	Remote Meter Re-configuration	
	Remote NMI enquiry	
	Miscellaneous	
	Pre-Installation Query	
	Test Meter Equipment (Meter Investigation)	

- Basic Communication model for B2B Service Order Procedure development



AEMO POWER OF CHOICE (POC) IMPLEMENTATION PROJECT:

MARKET READINESS WORK STREAM UPDATE

September 2016



PRESENTED BY SLAVKO JOVANOSKI



AGENDA

1. Recent Readiness Activities
 2. Market Readiness Strategy
 3. Supporting Plans
 4. Readiness Progress Reporting
 5. Participant Information Sessions
 6. Upcoming Readiness Activities
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1. RECENT READINESS ACTIVITIES



- **Readiness Working Group (RWG)** established Jul-16 and has since met on two occasions
- **Market Readiness Strategy** developed and finalised with the RWG
- **Industry Readiness Reporting Plan** developed with the RWG (including reporting templates) and in near-final form
- **Participant Information Sessions** scoping undertaken with the RWG prior to start of content development by AEMO

2. MARKET READINESS STRATEGY



Market Readiness – Definition

- Successful implementation of all activities by AEMO and NEM participants for a seamless transition to the new procedural arrangements starting 1 Dec 2017 (MC; MRP; EN; B2B)

Market Readiness Strategy – Overarching Document

- Developed by AEMO in collaboration with industry (RWG)

Market Readiness Strategy – Purpose

- Sets out a plan for managing, coordinating, informing, monitoring and reporting on AEMO and NEM participants' operational preparedness for transition to 1 Dec 2017

2. MARKET READINESS STRATEGY



Market Readiness Strategy – Inside Scope

- Market readiness phases (develop/test market interfaces)
- Stakeholder engagement activities (POC forums, enquiries)
- Reporting and monitoring processes (reg. progress reports)
- Participant Info' Sessions (procedure changes, industry test)

Market Readiness Strategy – Outside Scope

- Any consequential changes/testing required to support the changes made to market interfacing systems/processes
- Other regulatory obligations (e.g.. new safety requirements)

RWG forum will discuss external dependencies / outside scope matters that impact participants' operational preparedness

2. MARKET READINESS STRATEGY



Market Readiness Strategy – Six Readiness Phases

- Planning (develop Strategy, supporting plans, templates)
- Industry Testing (develop supporting plan, testing, trial)
- Accreditation and Registration (develop supporting plan)
- Industry Transition and Cutover (develop supporting plan)
- Confirmation of operational preparedness for go-live
- Post go-live heightened support (bed-in ops ~3 months)

3. SUPPORTING PLANS



Industry Readiness Reporting Plan

- Process, templates for progress reports (due Sep-16)

Accreditation and Registration Plan

- Process, dates, acc/reg requirements, reports (due Mar-17)

Industry Testing Plan

- Process, dates, pre-requ. activities, reports (due Jun-17)

Industry Transition and Cutover Plan

- Process, dates, transition principles, support (due Oct-17)

Industry Risk and Issue Management Plan

- Process for identifying, tracking, addressing risk/issues

4. READINESS PROGRESS REPORTING



Industry Readiness Reporting Plan

- Sets out the readiness criteria that AEMO and participants will report against (*traffic light* and *% progress* reporting)
- Reporting templates developed with RWG, covering:
 - * assessment/preparation
 - * legal/regulatory/contractual/policy
 - * people
 - * bus. processes
 - * market systems
 - * transition planning

Monthly readiness reporting from November 2016

- *Readiness Assessment Reports* – Company-level reporting by NEM participants and AEMO (due mid-Nov)
- *Market Readiness Report* – Industry-level aggregated reporting by AEMO (due late-Nov)
- AEMO to publish all reports on its website

5. PARTICIPANT INFORMATION SESSIONS



Six participant info' sessions to be presented by AEMO

- AEMO is utilising the RWG to scope sessions (tailor content)
- Face-to-face, ½ day, procedures change/obligations focus:
 - Overview of POC key obligations (Oct-16)
 - Detailed walk-throughs of POC key obligations:
 - Comp. in metering, meter replace't processes (Nov-16)
 - Embedded networks (Apr-17)
 - Electricity B2B framework / e-hub (Apr-17)
 - Overview of accred'n and regist'n processes (Apr-17)
 - Overview of industry testing processes (Jul-17)

6. UPCOMING READINESS ACTIVITIES



- **Participant Information Session #1** to be presented by AEMO in mid-Oct
- **Monthly readiness reporting** by NEM participants and AEMO starts mid-Nov; AEMO publishes reports late-Nov
- **RWG meeting** in late-Nov
- **Participant Information Session #2** to be presented by AEMO in late-Nov

PCF FORWARD PLAN



FORWARD MEETING PLAN



POC-PCF forward meeting plan:

- Monthly meetings
- Ad-hoc meetings can be arranged

Facilities:

- Melbourne, Sydney, Brisbane, Adelaide offices
- Video conference

POC-PCF meeting dates	Dates
POC-PCF Meeting #1	16-Sep-16
POC-PCF Meeting #2	7-Oct-16
POC-PCF Meeting #3	7-Nov-16
POC-PCF Meeting #4	5-Dec-16
POC-PCF Meeting #5	26-Jan-17
POC-PCF Meeting #6	23-Feb-17
POC-PCF Meeting #7	23-Mar-17
POC-PCF Meeting #8	20-Apr-17
POC-PCF Meeting #9	25-May-17
POC-PCF Meeting #10	22-Jun-17
POC-PCF Meeting #11	27-Jul-17
POC-PCF Meeting #12	24-Aug-17
POC-PCF Meeting #13	28-Sep-17
POC-PCF Meeting #14	26-Oct-17
POC-PCF Meeting #15	23-Nov-17
POC-PCF Meeting #16	14-Dec-17

QUESTIONS & CONTACTS



Program:

- Antara Mascarenhas
- Ben Healy
- Mike Ryan

Email: poc@aemo.com.au

Procedures:

- Tim Sheridan

B2B Procedures:

- Chris Cormack

Readiness:

- Slavko Jovanoski
- Kerry Galloway

Systems:

- James Kevil