PROPOSED PROCEDURE CHANGE (PPC) – SUMMARY SECTION
(For Proponent or AEMO to complete. Template focuses on solution identification)

Issue Number	IN011/17		
Impacted Jurisdiction(s)	South Australia		
Proponent	Nandu Datar	Company	AEMO
Proponent e-mail	grcf@aemo.com.au	Proponent phone	
Affected Gas Market(s) ▪ Retail ▪ Wholesale ▪ Bulletin Board ▪ STTM	Retail	Date proposal sent to AEMO	30 August 2017
Short Title	Removal of SA GRMS Intra-Day Reports as per Clause 215		
Other key contact information	Nandu.datar@aemo.com.au		

	PROPOSED PROCEDURE CHANGE (PPC) – DETAILED REPORT SECTION

1. Description of change(s) and reasons for change(s)	In the South Australia Retail Gas Market audit for 2016-2017, PwC (AEMO's appointed market auditor) identified that there were occasions when the intra-day reporting to participants did not comply with the requirements of the Retail Market Procedures (RMP). Clause 215 requires AEMO to make available the following to each user within a sub-network within 60 minutes after the end of the hour:
	• The as-retrieved energy inflow data for each gate point for the hour
	• The as-retrieved energy inflow data aggregated across all gate-points.
	• The sub-network profiled forecast published by AEMO before the start of the gas day under clause 205, as adjusted from time to time under clause 216.
	When this does not occur AEMO is in breach of the SA Retail Market Procedures.
	Following intra-day reports have been in place since the SA gas retail market started in 2005.
	• GPENG - Gate Point Energy Inflow
	• GPENGPROF - Gate Point Energy Profile
	• ECA – Estimated Consumption Amount
	Since that time, the market has matured and it is AEMO's view that Participants may no longer use the information in these intra-day reports.
	In mid-2017 AEMO sought feedback from participants in relation to the criticality of delivery timelines and whether these SA intra-day reports are used by Users.
	AEMO received responses from Origin Energy, Red/Lumo, AGL, Energy Australia, Simply Energy and Alinta. All responses indicated that they do not use these reports.
	Based on the unanimous participant response, AEMO is proposing to amend Clause 215 of the RMP to remove the obligation to provide these intra-day reports and make the necessary system changes to stop generating these reports.
2. Reference documentation ▪ Procedure Reference ▪ GIP/Specification Pack Reference ▪ Other Reference	Retail Market Procedures (SA) – V11 Specification Pack Usage Guide - V6.6 Interface Control Document (ICD) - V4.6

3. The high level details of the change to the existing Procedures This includes: ▪ A comparison of the existing operation of the Procedures to the proposed change to the operation of the Procedures. ▪ A marked up version of the Procedure change (see Attachment A).	Amend RMP SA to remove, • Clause 215 – AEMO's Intra-Day Reporting • Clause 214 Pipeline operators to provide hourly data • Definition of terms used in Clause 215 Amend the ICD to remove, • Gate Point Energy Inflow (GPENG) • Gate Point Energy and Profile (GPENGPROF) • Estimated Consumption Amount (ECA)
4. Consequences for making or not making the change(s)	The intra-day reports can be delayed beyond 60 minutes. This has no impact on the gas retail market participants as they do not use these reports. Maintaining current situation will result in AEMO being non-compliant with Clause 215 of the RMP SA.
5. Explanation regarding the order of magnitude of the change(s) (eg: material, non-material or non-substantial)	This initiative will require minor RMP SA changes. The Gas Retail Market System (GRMS) will also require minor changes to stop generation of these reports. There is no impact on gas retail market participants. AEMO considers order of magnitude of this change as 'non-substantial'.
6. Likely benefits for industry as a whole	This will ensure AEMO is compliant with the RMP SA. The gas retail market participants will no longer receive reports that are not being used.
7. The likely implementation effect of the proposal on Industry in general and/or any identified parties (e.g. end-users)	Implementation of this initiative will not require any changes to the systems or processes of the gas retail market participants.
8. Testing requirements	AEMO (CGI) testing will ensure that intra-day reports are not generated.
9. Supporting Documentation (attach if necessary)	Refer to Attachments A and B

10. If applicable, a proposed effective date for the proposed changed Procedures to take effect and justification for that timeline.	Subject to all necessary approval's AEMO is targeting to implement this initiative on 29 June 2018. To achieve this AEMO proposes the following timeline • Issue PPC 6 March 2018 • Submission on PPC close 27 March 2018 • Issue IIR on 11 April 2018 • Submission on IIR close 9 May 2018 • AEMO decision on 25 May 2018 • Effective date 29 June 2018.

2. Definitions

~~**"adjusted hourly sub-network profiled forecast"** has the meaning given to it in clause 215(3)(c).~~

~~**"adjusted hourly user profiled forecast"** means a forecast determined under clause 215(3)(b).~~

~~**"estimated consumption amount"** is the amount calculated under clause 215(3).~~

~~**"hourly IM energy"** has the meaning given to it in clause 215(3)(a).~~

~~**"hourly sub-network profiled forecast"**, in clause 215(3)(c) means the component for the hour of the *sub-network profiled forecast*.~~

~~**"hourly user profiled forecast"** has the meaning given to it in clause 215.~~

~~**"remaining energy"** is the amount calculated under clause 215(3)(a).~~

~~**"remaining energy amount"** means the amount calculated under clause 215(3)(d).~~

214. There is no Clause 214

~~214. Pipeline operators to provide hourly data~~

~~For each *transmission pipeline* for each *sub-network* for each hour, the *pipeline operator* must give to AEMO within 30 minutes after the end of the hour the *as-retrieved* energy inflow data for the *gate point* for the hour.~~

215. There is no Clause 215

~~215. AEMO's intra-day reporting~~

~~(1) For each *sub-network* for each hour, AEMO must within 60 minutes after the end of the hour make available to each *user* in the *sub-network* the following:~~

~~(a) the *as-retrieved* energy inflow data for each *gate point* for the hour;~~

~~(b) the *as-retrieved* energy inflow data aggregated across all *gate points*; and~~

~~(c) the *sub-network profiled forecast* published by AEMO before the start of the *gas day* under clause **Error! Reference source not found.**, as adjusted from time to time under clause **Error! Reference source not found.**.~~

(2) For each *user* for each *sub-network* for each hour, AEMO must within 60 minutes after the end of the hour, make available to the *user*:

(a) any data received in the preceding hour from the *network operator* under clause **Error! Reference source not found.** in respect of one or more of the *user's interval-metered delivery points*; and

(b) the *user's estimated consumption amount* for the hour calculated under clause 215(3).

(3) The *user's* **"estimated consumption amount"** for an hour is determined as follows:

(a) first calculate the **"remaining energy"** as follows:

$$RE = \sum EGP - \sum EQ$$

where:

RE	=	the *remaining energy* for the *sub-network* for the hour;
EGP	=	the *as-retrieved* energy inflow data for each *gate point* in the *sub-network* for the hour received by AEMO under clause 214; and
EQ	=	for each *interval-metered delivery point* for which AEMO received data under clause **Error! Reference source not found.**, the energy quantity of *gas* withdrawn at the *interval-metered delivery point* for the hour (**"hourly IM energy"**),

(b) next, for each *user*, where AEMO has received data under clause **Error! Reference source not found.** for the hour for one or more of a *user's interval-metered delivery points*, determine an **"adjusted hourly user profiled forecast"** as follows:

$$AHUPF = HUPF - \sum HIME$$

where:

AHUPF	=	the *adjusted hourly user profiled forecast* for the *user* for the *sub-network* for the hour;
HUPF	=	the **"hourly user profiled forecast"** for the *user* for the hour, which is the component for the hour of the *user's profiled forecast* calculated under clause **Error! Reference source not found.** for the *sub-network*; and
HIME	=	the *hourly IM energy* received under clause 213 for each of the *user's interval-metered delivery points* in the *sub-network*,

(c) next, determine an **"adjusted hourly sub-network profiled forecast"** as follows:

$$AHSPF = HSPF - \sum HIME$$

where:

AHSPF = the *adjusted hourly sub-network profiled forecast* for the *sub-network* for the hour;

HSPF = the **"hourly sub-network profiled forecast"** for the *sub-network* for the hour, which is the component for the hour of the *sub-network profiled forecast* calculated under clause 205; and

HIME = the *hourly IM energy* received under clause 213 for each *interval-metered delivery point* in the *sub-network*,

(d) next, for each *user*, calculate the *user's* **"remaining energy amount"** as follows:

$$UREA = \frac{AHUPF}{AHSPF} \times RE$$

where:

UREA = the *user's remaining energy amount* for the hour for the *sub-network*;

AHUPF = the *adjusted hourly user profiled forecast* for the *user* for the *sub-network* for the hour calculated under clause 215(3)(b);

AHSPF = the *adjusted hourly sub-network profiled forecast* for the *sub-network* for the hour 215(3)(c); and

RE = the *remaining energy* for the *sub-network* for the hour calculated under clause 215(3)(a),

and

(e) then, determine each *user's estimated consumption amount* as follows:

$$UECA = \sum HIME + UREA$$

where:

UECA = the *user's estimated consumption amount* for the hour for the *sub-network*;

HIME = the *hourly IM energy* received under clause 213 for each of the *user's interval-metered delivery points* in the *sub-network*; and

UREA = the *user's remaining energy amount* for the hour for the *sub-network* calculated under clause 215(3)(d).

9.3.6   Gate Point Energy Inflow (GPENG)

9.3.6.1   Data flow Definition

The pipeline operator to provide the data estimation entity with hourly gate point energy inflow for each sub-network.

9.3.6.2   Physical Mapping

The data for this flow must be provided in an automated electronic file.

Physical Name	Optionality
GATE_POINT_ID	1
GAS_DAY	1
ENERGY_INFLOW_HR01	0-1
ENERGY_INFLOW_HR02	0-1
ENERGY_INFLOW_HR03	0-1
ENERGY_INFLOW_HR04	0-1
ENERGY_INFLOW_HR05	0-1
ENERGY_INFLOW_HR06	0-1
ENERGY_INFLOW_HR07	0-1
ENERGY_INFLOW_HR08	0-1
ENERGY_INFLOW_HR09	0-1
ENERGY_INFLOW_HR10	0-1
ENERGY_INFLOW_HR11	0-1
ENERGY_INFLOW_HR12	0-1
ENERGY_INFLOW_HR13	0-1
ENERGY_INFLOW_HR14	0-1
ENERGY_INFLOW_HR15	0-1
ENERGY_INFLOW_HR16	0-1
ENERGY_INFLOW_HR17	0-1
ENERGY_INFLOW_HR18	0-1
ENERGY_INFLOW_HR19	0-1
ENERGY_INFLOW_HR20	0-1
ENERGY_INFLOW_HR21	0-1
ENERGY_INFLOW_HR22	0-1
ENERGY_INFLOW_HR23	0-1
ENERGY_INFLOW_HR24	0-1

9.3.6.3 Event Codes

Event Code Number

5200, 5202, 5403, 5601, 5603, 5608

9.3.6.4   Example

GATE_POINT_ID,GAS_DAY,ENERGY_INFLOW_HR01,ENERGY_INFLOW_HR02,ENERGY_INFLOW_HR03,ENERGY_INFLOW_HR04,ENERGY_INFLOW_HR05,ENERGY_INFLOW_HR06,ENERGY_INFLOW_HR07,ENERGY_INFLOW_HR08,ENERGY_INFLOW_HR09,ENERGY_INFLOW_HR10,ENERGY_INFLOW_HR11,ENERGY_INFLOW_HR12,ENERGY_INFLOW_HR13,ENERGY_INFLOW_HR14,ENERGY_INFLOW_HR15,ENERGY_INFLOW_HR16,ENERGY_INFLOW_HR17,ENERGY_INFLOW_HR18,ENERGY_INFLOW_HR19,ENERGY_INFLOW_HR20,ENERGY_INFLOW_HR21,ENERGY_INFLOW_HR22,ENERGY_INFLOW_HR23,ENERGY_INFLOW_HR24

1101D,2003-10-01,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,,,,,,,,,

1102D,2003-10-01,300,300,300,300,300,300,300,300,300,300,300,300,300,300,300,300,,,,,,,,,

1101A,2003-10-01,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,,,,,,,,

1103D,2003-10-01,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,,,,,,,,

10.7.1   Gate Point Energy and Profile (GPENGPROF)

10.7.1.1   Data flow Definition

The data estimation entity to provide gate point energy and sub-network profile to the user for each sub-network in which they operate.

10.7.1.2   Physical Mapping

The data for this flow must be provided in an automated electronic file.

Physical Name	Optionality
SUB_NETWORK_ID	1
GAS_DAY	1
ENERGY_INFLOW_HR01	1
ENERGY_INFLOW_HR02	0-1
ENERGY_INFLOW_HR03	0-1
ENERGY_INFLOW_HR04	0-1
ENERGY_INFLOW_HR05	0-1
ENERGY_INFLOW_HR06	0-1
ENERGY_INFLOW_HR07	0-1
ENERGY_INFLOW_HR08	0-1

Physical Name	Optionality
~~ENERGY_INFLOW_HR09~~	~~0 1~~
~~ENERGY_INFLOW_HR10~~	~~0 1~~
~~ENERGY_INFLOW_HR11~~	~~0 1~~
~~ENERGY_INFLOW_HR12~~	~~0 1~~
~~ENERGY_INFLOW_HR13~~	~~0 1~~
~~ENERGY_INFLOW_HR14~~	~~0 1~~
~~ENERGY_INFLOW_HR15~~	~~0 1~~
~~ENERGY_INFLOW_HR16~~	~~0 1~~
~~ENERGY_INFLOW_HR17~~	~~0 1~~
~~ENERGY_INFLOW_HR18~~	~~0 1~~
~~ENERGY_INFLOW_HR19~~	~~0 1~~
~~ENERGY_INFLOW_HR20~~	~~0 1~~
~~ENERGY_INFLOW_HR21~~	~~0 1~~
~~ENERGY_INFLOW_HR22~~	~~0 1~~
~~ENERGY_INFLOW_HR23~~	~~0 1~~
~~ENERGY_INFLOW_HR24~~	~~0 1~~
~~PROFILED_NOMINATION_HR01~~	~~1~~
~~PROFILED_NOMINATION_HR02~~	~~1~~
~~PROFILED_NOMINATION_HR03~~	~~1~~
~~PROFILED_NOMINATION_HR04~~	~~1~~
~~PROFILED_NOMINATION_HR05~~	~~1~~
~~PROFILED_NOMINATION_HR06~~	~~1~~
~~PROFILED_NOMINATION_HR07~~	~~1~~
~~PROFILED_NOMINATION_HR08~~	~~1~~
~~PROFILED_NOMINATION_HR09~~	~~1~~
~~PROFILED_NOMINATION_HR10~~	~~1~~
~~PROFILED_NOMINATION_HR11~~	~~1~~
~~PROFILED_NOMINATION_HR12~~	~~1~~
~~PROFILED_NOMINATION_HR13~~	~~1~~
~~PROFILED_NOMINATION_HR14~~	~~1~~
~~PROFILED_NOMINATION_HR15~~	~~1~~
~~PROFILED_NOMINATION_HR16~~	~~1~~
~~PROFILED_NOMINATION_HR17~~	~~1~~
~~PROFILED_NOMINATION_HR18~~	~~1~~
~~PROFILED_NOMINATION_HR19~~	~~1~~
~~PROFILED_NOMINATION_HR20~~	~~1~~
~~PROFILED_NOMINATION_HR21~~	~~1~~
~~PROFILED_NOMINATION_HR22~~	~~1~~
~~PROFILED_NOMINATION_HR23~~	~~1~~
~~PROFILED_NOMINATION_HR24~~	~~1~~

10.7.1.3 Event Codes

Event Code Number
There are no event codes as the flow is outgoing flow.

10.7.1.4 Example

SUB_NETWORK_ID,GAS_DAY,ENERGY_INFLOW_HR01,ENERGY_INFLOW_HR02,ENERGY_INFLOW_HR03,ENERGY_INFLOW_HR04,ENERGY_INFLOW_HR05,ENERGY_INFLOW_HR06,ENERGY_INFLOW_HR07,ENERGY_INFLOW_HR08,ENERGY_INFLOW_HR09,ENERGY_INFLOW_HR10,ENERGY_INFLOW_HR11,ENERGY_INFLOW_HR12,ENERGY_INFLOW_HR13,ENERGY_INFLOW_HR14,ENERGY_INFLOW_HR15,ENERGY_INFLOW_HR16,ENERGY_INFLOW_HR17,ENERGY_INFLOW_HR18,ENERGY_INFLOW_HR19,ENERGY_INFLOW_HR20,ENERGY_INFLOW_HR21,ENERGY_INFLOW_HR22,ENERGY_INFLOW_HR23,ENERGY_INFLOW_HR24,PROFILED_NOMINATION_HR01,PROFILED_NOMINATION_HR02,PROFILED_NOMINATION_HR03,PROFILED_NOMINATION_HR04,PROFILED_NOMINATION_HR05,PROFILED_NOMINATION_HR06,PROFILED_NOMINATION_HR07,PROFILED_NOMINATION_HR08,PROFILED_NOMINATION_HR09,PROFILED_NOMINATION_HR10,PROFILED_NOMINATION_HR11,PROFILED_NOMINATION_HR12,PROFILED_NOMINATION_HR13,PROFILED_NOMINATION_HR14,PROFILED_NOMINATION_HR15,PROFILED_NOMINATION_HR16,PROFILED_NOMINATION_HR17,PROFILED_NOMINATION_HR18,PROFILED_NOMINATION_HR19,PROFILED_NOMINATION_HR20,PROFILED_NOMINATION_HR21,PROFILED_NOMINATION_HR22,PROFILED_NOMINATION_HR23,PROFILED_NOMINATION_HR24

SUBNET1,2003-10-01,100,100,150,500,500,750,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,,,,,,100,200,200,200,500,500,500,500,1500,1500,1500,1500,1500,1500,1500,1500,500,500,500,500,300,300,200,200

SUBNET2,2003-10-01,100,100,150,500,500,750,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,,,,,,100,200,200,200,500,500,500,500,1500,1500,1500,1500,1500,1500,1500,1500,500,500,500,500,300,300,200,200

10.8.1 Estimated Consumption Amount (ECA)

10.8.1.1 Data flow Definition

The data estimation entity to provide the user's hourly estimated consumption amount to the user for each sub-network.

10.8.1.2 Physical Mapping

The data for this flow must be provided in an automated electronic file.

Physical Name	Optionality
USER_GBO_ID	1

Physical Name	Optionality
SUB_NETWORK_ID	1
GAS_DAY	1
ESTIMATED_CONSUMPTION_AMOUNT_HR01	1
ESTIMATED_CONSUMPTION_AMOUNT_HR02	0-1
ESTIMATED_CONSUMPTION_AMOUNT_HR03	0-1
ESTIMATED_CONSUMPTION_AMOUNT_HR04	0-1
ESTIMATED_CONSUMPTION_AMOUNT_HR05	0-1
ESTIMATED_CONSUMPTION_AMOUNT_HR06	0-1
ESTIMATED_CONSUMPTION_AMOUNT_HR07	0-1
ESTIMATED_CONSUMPTION_AMOUNT_HR08	0-1
ESTIMATED_CONSUMPTION_AMOUNT_HR09	0-1
ESTIMATED_CONSUMPTION_AMOUNT_HR10	0-1
ESTIMATED_CONSUMPTION_AMOUNT_HR11	0-1
ESTIMATED_CONSUMPTION_AMOUNT_HR12	0-1
ESTIMATED_CONSUMPTION_AMOUNT_HR13	0-1
ESTIMATED_CONSUMPTION_AMOUNT_HR14	0-1
ESTIMATED_CONSUMPTION_AMOUNT_HR15	0-1
ESTIMATED_CONSUMPTION_AMOUNT_HR16	0-1
ESTIMATED_CONSUMPTION_AMOUNT_HR17	0-1
ESTIMATED_CONSUMPTION_AMOUNT_HR18	0-1
ESTIMATED_CONSUMPTION_AMOUNT_HR19	0-1
ESTIMATED_CONSUMPTION_AMOUNT_HR20	0-1
ESTIMATED_CONSUMPTION_AMOUNT_HR21	0-1
ESTIMATED_CONSUMPTION_AMOUNT_HR22	0-1
ESTIMATED_CONSUMPTION_AMOUNT_HR23	0-1
ESTIMATED_CONSUMPTION_AMOUNT_HR24	0-1

10.8.1.3   Event Codes

Event Code Number
There are no event codes as the flow is outgoing flow.

10.8.1.4   Example

USET_GBO_ID,SUB_NETWORK_ID,GAS_DAY,ESTIMATED_CONSUMPTION_AMO
UNT_HR01,ESTIMATED_CONSUMPTION_AMOUNT_HR02,ESTIMATED_CONSUM
PTION_AMOUNT_HR03,ESTIMATED_CONSUMPTION_AMOUNT_HR04,ESTIMATE
D_CONSUMPTION_AMOUNT_HR05,ESTIMATED_CONSUMPTION_AMOUNT_HR0
6,ESTIMATED_CONSUMPTION_AMOUNT_HR07,ESTIMATED_CONSUMPTION_AM
OUNT_HR08,ESTIMATED_CONSUMPTION_AMOUNT_HR09,ESTIMATED_CONSU
MPTION_AMOUNT_HR10,ESTIMATED_CONSUMPTION_AMOUNT_HR11,ESTIMAT
ED_CONSUMPTION_AMOUNT_HR12,ESTIMATED_CONSUMPTION_AMOUNT_HR
13,ESTIMATED_CONSUMPTION_AMOUNT_HR14,ESTIMATED_CONSUMPTION_A
MOUNT_HR15,ESTIMATED_CONSUMPTION_AMOUNT_HR16,ESTIMATED_CONS
UMPTION_AMOUNT_HR17,ESTIMATED_CONSUMPTION_AMOUNT_HR18,ESTIMA
TED_CONSUMPTION_AMOUNT_HR19,ESTIMATED_CONSUMPTION_AMOUNT_H

R20,ESTIMATED_CONSUMPTION_AMOUNT_HR21,ESTIMATED_CONSUMPTION_AMOUNT_HR22,ESTIMATED_CONSUMPTION_AMOUNT_HR23,ESTIMATED_CONSUMPTION_AMOUNT_HR24

USR1,SUBNET1,2003-10-01,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000,1000

USR1,SUBNET2,2003-10-01,500,500,500,500,500,500,500,500,500,500,500,500,500,500,500,500,500,500,500,500,500,500,500,500

USR5,SUBNET5,2003-10-01,500,500,,,,,,,,,,,,,,,,,,,,,,