ALLOCATION AGENT MIBB REQUIREMENTS

PREPARED BY: Gas Market Applications

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FINAL

Version Release History

Version	Date	By	Changes
1.a	19/4/2010	MTC	Minor changes
1.0	5/8/2010	MTC	Modified to be Generalised for Allocation Agent
1.0	27/10/2010	MTC	corrections
1.0	31/01/2011	MTC	Added File names Added new Ref to "#318763 User Guide to MIBB Reports" document
2.0	08/04/2011	MTC	Added Sub Allocation Report
3.0	08/06/2016	MTC	Added confirmation report and additional; registration requirements

Contents

1 Overview

This document provides details of all reports to be transferred between the Allocation Agent and AEMO in the provision of data allocation in support of the wholesale market arrangement at for Allocation agents. This includes files to be supplied to AEMO and placed on the MIBB for AEMO to process and those made available by AEMO, on the MIBB for use by the Allocation Agent.

All transactions will comply with the instructions as specified in the Electronic Communication Procedures Document (#279181) unless specifically specified

1.1 File Overview

To aid in the provision of allocation services, files may be supplied to the Allocation Agent by AEMO
1. **INT250** provided daily with a list of mirns (source mirn(s) and child logicals) to be allocated against
2. **INT249** or site specific **INT***nnn* provided for each approved Operational Schedule with scheduled gas per company at that location for each source mirn. (Not supplied for sub allocations).
3. **INT251/INT25a** provided each time new data arrives for the source mirn(s) and is successfully processed by AEMO.
4. **INT253** provided each time a file is delivered to and processed by AEMO.

The Allocation Agent provides AEMO with an Allocation File:
1. **ALLOCAGENTDATA** file is supplied to AEMO with the 100% of parent mirn energy data from the INT251/INT251a reports allocated to the child mirns in the INT250 report.

2 Specific MIBB Reports Format

2.1 File Format Requirements

All Files supplied by AEMO will conform to the requirements as specified in the MIBB_Report_Data_Dictionary_And_Glossary document

The following interface files will form part of User Guide to MIBB Reports document and should be read in conjunction with that document.

2.1.1 File Name and Extension

The file name for MIBB reports shall be constructed of the following elements separated by underscore "_" or "~" signs
(Note "~" will only be used in front of the timestamp):
1. Int"number"
2. Version (v*n*)
3. file name.
4. particiant_id (*n*)
5. created datestamp (format yyyymmddhhmiss) (must be unique)

E.G. int250_v1_alloc_agent_mreg_*n*~20110121123456.csv

2.2   INT250 Allocation Agent Metering Registration

Contains current MIRN registrations for Allocation Agent.
This is a Participant specific Report, produced on daily basis.

The format of this report is based on the INT055 report. The INT250 will provide details of all meters (Logical and Physical) for the Allocation Agent.
Updated list posted each day. Publishes daily metering registration details in a static, participant specific, CSV file.

File Name: int250_v[*n*]_alloc_agent_mreg_[*p*]~[*yyyymmddhhmiss*].csv

Access   : Part (Allocation Agent)
When Issued   : Daily
Replacement Flag: N

COLUMN NAME	DATA TYPE	NO NULLS	PRIMARY KEY	CQ	COMMENT
mirn	varchar 10.	True	True	N	Meter installation registration no
gas_date	varchar 20 .	True	True	N	e.g. 30 Jun 2007
node_id	int .	False	False	N	MCE node
node_name	varchar 40 .	False	False	N	
wd_zone_id	int .	False	False	N	Withdrawal zone ID number
wd_zone_name	varchar 40 .	False	False	N	Withdrawal zone name
pricing_zone_id	int .	False	False	N	Pricing zone ID number
pricing_zone_name	varchar 40 .	False	False	N	Pricing zone name
hv_zone	int .	False	False	N	Heating value zone id number
hv_zone_desc	varchar 254 .	False	False	N	Heating value zone name
meter_type	varchar 10 .	False	False	N	CTM meter Type i.e. LC (logical) or PC (Physical)
inject_withdrawal	char 1 .	False	False	N	[I] Injection or [W] Withdrwal meter
site_company	varchar 100 .	False	False	N	Company name
location	varchar 100 .	False	False	N	
street	varchar 100 .	False	False	N	
locale	varchar 100 .	False	False	N	
postcode	char 4 .	False	False	N	
state	char 3 .	False	False	N	
meter_no	varchar 10 .	False	False	N	CTM meter number DM4 digit 2 Alpha XXXXYY
comment	varchar 254 .	False	False	N	
max_cont_wd_qty	numeric 18 . 9	False	False	N	Used where meter allowed to submit controllable withdrawals
tariff_type	char 1 .	False	False	N	D >= 1-TJ per annum V
tuos_zone	int .	False	False	N	
tuos_zone_desc	varchar 254 .	False	False	N	
received_date	varchar 20 .	False	False	N	When application for meter registration revived eg 30 Jun 1998
uafg_size	char 1 .	False	False	N	S / L (Small / Large)
uafg_rate	numeric 18 . 9	False	False	N	Distribution UAFG as per Distribution code
authorised_site_mdq	numeric 18 . 9	False	False	N	Authorised Maximum Daily Quantity
amdq_credit_nom	numeric 18 . 9	False	False	N	Aggregated credit certificate site nominations
read_freq	char 1 .	False	False	N	D / N (Daily/Non Daily)
comms_option	char 1 .	False	False	N	M / T (Manual / Telemetry). NULL value.

responsible_person_name	varchar 40 .	False	False	N	
evp_name	varchar 40 .	False	False	N	Energy Value Provider
host_retailer_name	varchar 40 .	False	False	N	Which franchised area meter is situated in
fro_name	varchar 40 .	False	False	N	Financially Responsible Organisation
distributor_name	varchar 40 .	False	False	N	Distributor
tpo_name	varchar 40 .	False	False	N	Transmission Pipeline Owner
registered	char 1 .	False	False	N	Y/N
billing	char 1 .	False	False	N	Y/N
last_update	varchar 20 .	False	False	N	e.g. 30 Jun 2005 1:23:56
pcf	numeric 18 . 9	False	False	N	Pressure Correction Factor, Convert volume to GJ (-1 means meters auto correct on site)
contestable_date	varchar 20 .	False	False	N	Date Meter became contestable
commissioned	char 1 .	False	False	N	Y / N
mda_charged	char 1 .	False	False	N	Y / N
mda_appointed	char 1 .	False	False	N	Y/N
mdq_site	varchar 20 .	False	False	N	e.g. MDQ_20000003PD See note below
industry_code_desc	varchar 254 .	False	False	N	e.g. (81) Public Administration
current_date	varchar 20 .	False	False	N	Date and Time Report Produced. e.g. 30 Jun 2005 1:23:56

2.2.1 Addition Registration requirements

The INT250 report is provided for participants who have a **specific_mirn** registered.
Registration for a MIRN is against the "AllocAgent" + participant id + "INJ" or "WDL"
Each participant may only have one injection or withdraw MIRN registered.

2.3 INT251 Allocation Agent Publish Metering Data

Contains current metering data by Injection and Withdrawal MIRN.
This report is only for specified Allocation Agent Meters.
This is a Participant specific report, produced on validation of CTM data. The date range contained within the report will reflect the latest reading date's process as part of D+3 energy processing
(i.e. the file will contain energy from the 1st of the (d-3) month to d-3 for Daily processing, and a complete month for Preliminary, Final or Revision processing).

File Name: int251_v[*n*]_alloc_agent_data_[*p*]~[*yyyymmddhhmiss*].csv

Access : Part (Allocation Agent)
When Issued : Import of CTM data
Replacement Flag : N

COLUMN NAME	DATA TYPE	NO NULLS	PRIMARY KEY	CQ	COMMENT
mirn	varchar 10 .	True	True	N	
gas_date	varchar 20 .	True	True	N	Gas day being reported Eg 30 Jun 2007
ti	integer .	True	True	N	Time Interval (1-24) where 1 is 6am
energy_gj	numeric 18.9	True	False	N	hourly energy (Gj)
uafg_adj_energy_gj	numeric 18.9	True	False	N	UAFG adjusted Hourly energy (Gj)
quality_desc	char 1	False	False	N	Quality flag 'M' Manual 'S' Substituted 'T' Type of Substitution 'N' Normal 'A' Auto (ctm's only) See Gas Quality Flag table in section 4 See the Substitution Procedures for full description. These are to be published on the Web Site.
validation_id	int	True	False	N	The id of the validation run
version_id	int	True	False	N	The id of the version. Versions may be validated more than once
extract_type	char 1	False	False	N	The extract type of the source data N = Normal or D+2 data P = Preliminary Settlement Data or M+7 F = Final Settlement Data or M+18 R = Revision Settlement Data or M+118
current_date	varchar 20	True	False	N	Date and Time Report Produced. (eg 30 Jun 2007 01:23:45)

2.3.1 Addition Registration requirements

The INT251 report is provided for participants who have a **specific_mirn** registered
Registration for a MIRN is against the "AllocAgent" + Company Id + "INJ" or "WDL"
Each participant may only have one injection or withdraw MIRN registered.

2.4 INT251a Sub Allocation Agent Publish Metering Data

As with INT251 this report contains current metering data by Injection and Withdrawal MIRN.

This report is only for specified Sub Allocation Agent Meters.

This is a Participant specific report, produced on validation of Allocation Agent data. The date range contained within the report will reflect the latest reading date's process as part of D+3 energy processing (i.e. the file will contain energy from the 1st of the (D-3) month to D-3 for Daily processing, and a complete month for Preliminary, Final or Revision processing)

File Name: int251a_v[*n*]_sub_alloc_agent_data_[*p*]~[*yyyymmddhhmiss*].csv

Access   : Part (Allocation Agent)
When Issued   : Import of Allocation Agent data
Replacement Flag : N

COLUMN NAME	DATA TYPE	NO NULLS	PRIMARY KEY	CQ	COMMENT
mirn	varchar 10	True	True	N	
gas_date	varchar 20	True	True	N	Gas day being reported Eg 30 Jun 2007
ti	integer	True	True	N	Time Interval (1-24) where 1 is 6am
energy_gj	numeric 18.9	True	False	N	hourly energy (Gj)
uafg_adj_energy_gj	numeric 18.9	True	False	N	UAFG adjusted Hourly energy (Gj)
quality_desc	char 1	False	False	N	Quality flag 'M' Manual 'S' Substituted 'T' Type of Substitution 'N' Normal 'A' Auto (CTM's only) See the Substitution Procedures for full description. These are to be published on the Web Site.
validation_id	int	True	False	N	The id of the validation run
extract_type	char 1	False	False	N	The extract type of the source data N = Normal or D+2 data P = Preliminary Settlement Data or M+7 F = Final Settlement Data or M+18 R = Revision Settlement Data or M+118
current_date	varchar 20	True	False	N	Date and Time Report Produced. (eg 30 Jun 2007 01:23:45)

2.4.1 Addition Runtime requirements

The INT251a report is initiated according to the version_id and associated dates associated with the validation of the parent MIRNs energy.

2.5 INT253_file_conformation_report

Contains all file processed in the current specified time frame (hours- this value to be configurable).

This report is only for specified participants. This report will only be produced if there is an unreported file (visa_in_id) found for the participant. Both successful and failed file transfers will be shown

File Name: int253_v[*n*]_file_conformation_report_[*p*]~[*yyyymmddhhmiss*].csv

Access : Part
When Issued : Processing of file delivered by MIBB
Replacement Flag : N

COLUMN NAME	DATA TYPE	NO NULLS	PRIMARY KEY	CQ	COMMENT
status_flag	Varchar(8)	True			Success or FAIL
tx_status_flag	char(5)	True			COMPL, ERRED, PEND or COMAL
visa_in_id	Int	True	True		
csv_file_name	Varchar(100)	True			
company_id	int	True			Company Id of suppling company
from_participant	Varchar(20)	True			Company Code of suppling company
trans_type	Varchar(20)	True			Transaction type
import_start_date	Varchar(20)	True			Format "DD Mon YYY hh:mi:ss"
row_no	int	False			Row number of the file where error found
alarm_desc	Varchar(254)	False			See Error Descriptions Below
csv_row_detail	Varchar(254)	True			Csv file row
created_date	Varchar(12)	True			Format "DD Mon YYY hh:mi:ss"

2.5.1 Addition Runtime requirements

The INT253 report is initiated according to when an import of a file is initiated. If multiple files are loaded in succession, all incoming transactions may be shown in one report. It is possible that the last file processed in such a stream will not re initiate a new report.

2.5.2 Error Descriptions

Error Codes may include the following

event_code	*Description*
3200	*Internal System Error*
3209	*Meter Installation code invalid*
3213	*Data set incomplete*
3214	*CSV row invalid*
3216	*Invalid format of CSV date field*

Error Descriptions may include the following

File not found.

Invalid data row.

<<Mandatory Column Name>> missing.

Unable to run import

Gas Date not in YYYY-MM-DD format.

Mirn <<mirn>> must be 10 characters.

Expected number of rows does not match with file <<file name>>.CSV

File <<file name>>.CSV received but not processed

2.6 INT249 Allocation OS Scheduling Report

This report is triggered by AOS (Approval of Operational Schedule) and issued on daily basis. This report provides the operational schedule data for the day the report generated until the day+2. This report is specific to the Operational Schedule at a Location for purpose of allocating and sub allocating.

Agreement from all parties scheduling at the <location> must be obtained before this report can be released.

File Name: int249_v[*n*]_allocation_os_schedule_[*p*]~[*yyyymmddhhmiss*].csv

Access : Part
When Issued : AOS
Replacement Flag : N

COLUMN NAME	DATA TYPE	NO NULLS	PRIMARY KEY	CQ	COMMENT
gas_date	Varchar(20)	not null		N	Gas day being reported. Eg 30 Jun 2007
transmission_document_id	Int	not null	Y	N	
pipeline_id	Int	Null		N	
pipeline_point_id	Int	Null		N	
pipeline_point_name	Varchar(20)	not null	Y	N	The pipeline point name of the injection or withdrawal point
participant_logical_meter	Varchar(20)	not null		N	Logical Meter that corresponds to the participant id for the injection or withdrawal point
offer_type	Varchar(20)	not null		N	INJEC or CTLW
participant_id	Int	not null	Y	N	Participant Id
market_participant	Varchar(100)	not null		N	Participant name
daily_qty	Float	null		Y	Total scheduled quantity for the gas day (06:00 – 06:00)
hour_1	Float	null		N	Scheduled quantity at 06:00
hour_2	Float	null		N	Scheduled quantity at 7:00
hour_3	Float	null		N	Scheduled quantity at 8:00
hour_4	Float	null		N	Scheduled quantity at 9:00
hour_5	float	null		N	Scheduled quantity at 10:00
hour_6	float	null		N	Scheduled quantity at 11:00
hour_7	float	null		N	Scheduled quantity at 12:00
hour_8	float	null		N	Scheduled quantity at 13:00
hour_9	float	null		N	Scheduled quantity at 14:00
hour_10	float	null		N	Scheduled quantity at 15:00
hour_11	float	null		N	Scheduled quantity at 16:00
hour_12	float	null		N	Scheduled quantity at 17:00

hour_13	float	null		N	Scheduled quantity at 18:00
hour_14	float	null		N	Scheduled quantity at 19:00
hour_15	float	null		N	Scheduled quantity at 20:00
hour_16	float	null		N	Scheduled quantity at 21:00
hour_17	float	null		N	Scheduled quantity at 22:00
hour_18	float	null		N	Scheduled quantity at 23:00
hour_19	float	null		N	Scheduled quantity at 24:00
hour_20	float	null		N	Scheduled quantity at 1:00
hour_21	float	null		N	Scheduled quantity at 2:00
hour_22	float	null		N	Scheduled quantity at 3:00
hour_23	float	null		N	Scheduled quantity at 4:00
hour_24	float	null		N	Scheduled quantity at 5:00
comment	varchar 255 .	False	False	N	
current_date	varchar 20 .	False	False	N	Date and Time Report Produced. (eg 30 Jun 2007 01:23:45)

2.6.1 Addition Registration requirements

The INT249 report provided for participants require additional **Web_Report_Config** detail for the "Allocation OS Scheduling Report". This includes the receiving participant, the physical MIRN, the reported participant and the location. A separate entry is required for each reported participant, or an 'All' entry if all participants are to be reported.

3   Allocation Agent Supplied File Format

3.1   File Format Requirements

The supplied filename convention should be same as defined in the specification/design for MIBB to IVI system.
<MARKET>_<TRANSACTIONTYPE>_<FROM_CODE>_<TO_CODE>_<YYYYMMDDHHMMSS>.CSV.

All filename values are defined as below and must be in upper case

<MARKET>	VICGASW
<TRANSACTIONTYPE>	ALLOCAGENTDATA
<FROM_CODE>	Who is providing the date e.g. ABCCO
<TO_CODE>	Who is receiving the date e.g. VENCORP
<YYYYMMDDHHMMSS>	Date/time of file creation e.g. 2010010112000000.

This file should be uploaded to upload sub-folder in the Company's MIBB folder. The file should be sent in first as a .txt or .tmp and then renamed to a .CSV upon completion.

This file is supplied to AEMO with the data from INT251/INT251a allocated to the mirns in INT250 mirns according to the agreed allocation method. For each hour the SUM of the allocation supplied MUST equal SUM of the individual parent MIRN energy supplied via INT251/INT251a. A failed file will NOT be reprocessed with the same name.

A new file needs to be generated each time a new INT251/INT251a is sent to the Allocation Agent.

Each time an Energy allocation file is processed an INT253 Confirmation file will be generated. Please note: several allocations processed in a short time may impact the production of the int253 Confirmation file.

3.2   Energy allocation file

This is the format of the ALLOCAGENTDATA file to be supplied to AEMO

COLUMN NAME	DATA TYPE	NO NULLS	PRIMARY KEY	CQ	COMMENT
version_id	int	no	primary key		Version no for data transfer set
aa_id	int	no	primary key		As defined in AEMO's Organisation Register
mirn	Varchar (10)	no	primary key		Meter installation registration no eg 20000010LC
gas_date	datetime	no	primary key		* specified as **YYYY-MM-DD**.
ti	int	no	primary key		Trading interval 1(6am) – 24 (5am)
start_date	datetime	no			start gas date for data transfer set. (time component is not used) * specified as **YYYY-MM-DD.**
end_date	datetime	no			end gas date for data transfer set. (time component is not used) * specified as **YYYY-MM-DD**.
extract_type	char(1)	no			'P' (prelim),'F' (Final),'R' (revision) or ''N' (normal) 'P', 'F' and 'R' should contain a complete month of data
created_time	datetime	no			datetime stamp Format should be **YYYY-MM-DD HH:MM:SS**.
gj_pct_flag	char(1)	no			J – for GJs P – Percentages Only one type per version
description	Varchar (254)	yes			Additional comments optional (do not use commas or quotes)
energy_gj	Numeric (18,9)	yes			Energy value in GJ must be supplied if no energy_pct
energy_pct	Numeric (7,4)	yes			Percentage split of energy (accuracy to 4 decimal places is required ie. 100.0000%) Must be supplied if no energy_gj
extract_freq	char(1)	no	'		D' for daily read meter extract, and 'N' for non daily read meter extract

NOTE:
Upload files must have a <CRLF> at the end of each row or error message may be raised.
    (I.E. *Expected number of rows does not match with file)*
All dates in the upload process should be specified as YYYY-MM-DD. Upload files will fail if date format is incorrect and an error message may be raised.
    (I.E. *Date not in YYYY-MM-DD format.)*
Opening the files in Excel will change the formatting of date fields from YYYY-MM-DD. Please verify the format of date fields from YYYY-MM-DD using a text editor (e.g. notepad).