

Gemini Shipper File Definitions

Bulk Download of Pre-Closeout Measurements

Copyright National Grid, all rights reserved.

No part of this publication may be reproduced in any material form (including photocopying and restoring in any medium or electronic means and whether or not transiently or incidentally) without the written permission of National Grid except in accordance with the provisions of the Copyright, Designs and Patents Act 1998.

For further information on the use of this document please refer to the Information Services Management System (ISMS) or contact the Quality Systems Group.

Author (for this version):	National Grid IS
Owner:	National Grid O&T
Document Reference:	4056.5
Version:	2
Status:	For Approval For Representation
Date:	29 September 2005 07 September 2005



Table of Contents

1	Bulk Download Specification.....	3
1.1	Input File - MEI.....	3
1.1.1	File Layout.....	3
1.1.2	Record Formats.....	4
1.1.3	Example File.....	5
1.2	Output File – MEO.....	6
1.2.1	File Layout.....	6
1.2.2	Record Formats.....	7
1.2.3	Example File.....	10
2	Document Control.....	11
2.1	Superseded Documents.....	11
2.2	Version History.....	11

1 Bulk Download Specification

This bulk download supports the download of pre-closeout measurements. Query parameters are supplied in an MEI file. Retrieved detail records or query error messages are returned in an MEO file.

1.1 Input File - MEI

1.1.1 File Layout

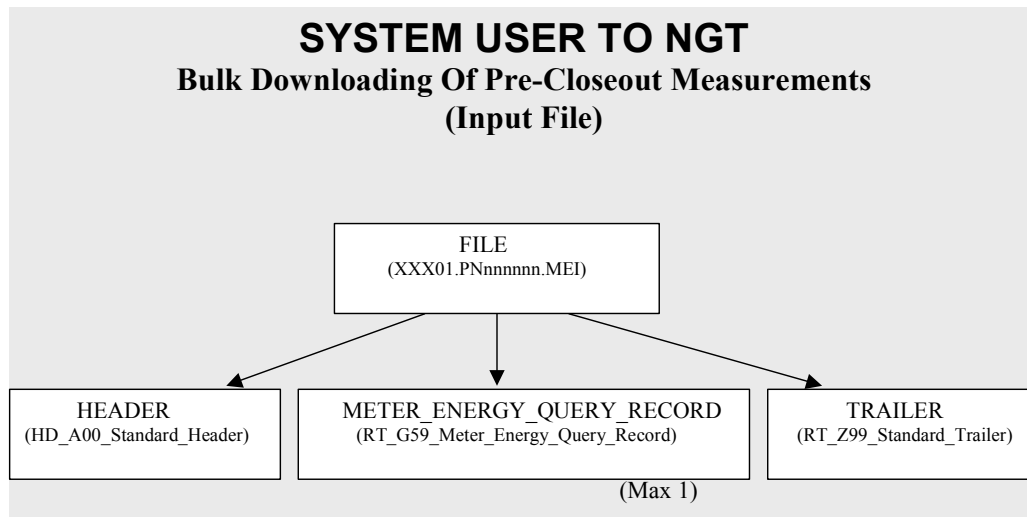
File Name and Record Types

File name: XXX01.PNnnnnnn.MEI where XXX represents the Business Associate's (BA) short code

Table 1 - MEI Record Types

SR#	RECORD NAME
1	HD_A00_STANDARD_HEADER
2	RT_G59_METER_ENERGY_QUERY_RECORD
3	RT_Z99_STANDARD_TRAILER

Layout Diagram



1.1.2 Record Formats

OPT - Optional, Mandatory

DOM - Domain i.e. T Alphanumeric, N Numeric, D Date (YYYYMMDD), M

Timestamp (HHMMSS)

LNG - Length

DEC – No. of decimal places

HD_A00_STANDARD_HEADER

(Standard header for all files sent between National Grid and another Organisation)

SI.No	RECORD/FIELD NAME	OPT	DOM	LNG	DEC	DESCRIPTION
1	TRANSACTION_TYPE	M	T	3	0	A code identifying the type of request that this record represents. VALUE: A00.
2	ORGANISATION_ID	M	N	10	0	A reference which uniquely identifies a Customer/Organisation.
3	FILE_TYPE	M	T	3	0	An application specific code used to identify the structure and the usage of the file. VALUE: MEI for this file type.
4	CREATION_DATE	M	D	8	0	The date on which the file was generated.
5	CREATION_TIME	M	M	6	0	The time on which the file was generated (within the Creation Date).
6	GENERATION_NUMBER	M	N	6	0	A sequence number which represents an issue of a file from the Organisation (indicated by the Organisation id) and of the file type (indicated by the file type), e.g., the first Nominations file from an Organisation will have the number 1, the second, the number 2, etc. Each file sent either from an Organisation to National Grid or from National Grid to an Organisation within one file type must have consecutive numbers. Must match nnnnnn in the file name.
Total				36		

RT_G59_METER_ENERGY_QUERY_RECORD

(Query Record for Energy Balancing Bulk Download of Pre-Closeout Measurements)

Occurs Max 1

SI.No	RECORD/FIELD NAME	OPT	DOM	LNG	DEC	DESCRIPTION
1	TRANSACTION_TYPE	M	T	3	0	A code identifying the type of transaction that this record represents.

						VALUE: G59.
2	METER_ID	O	T	10	0	Unique identifier of a Meter.
3	GAS_DAY_FROM	M	D	8	0	The start gas day for which the user wishes to view the Pre Closeout Measurements.
4	GAS_DAY_TO	M	D	8	0	The end gas day for which the user wishes to view the Pre Closeout Measurements.
Total				29		

RT_Z99_STANDARD_TRAILER

(Standard Trailer for all files sent between National Grid and another Organisation)

SI.No	RECORD/FIELD NAME	OPT	DOM	LNG	DEC	DESCRIPTION
1	TRANSACTION_TYPE	M	T	3	0	A code identifying the type of transaction that this record represents. VALUE: Z99.
2	RECORD_COUNT	M	N	10	0	A count of the number of records in the file not including the A00 and Z99 records.
Total				13		

Total Length:

78

1.1.3 Example File

```
"A00",0000000434,"MEI",20040119,160012,000001
"G59","10909517",20020601,20020603
"Z99",1
```

1.2 Output File – MEO

1.2.1 File Layout

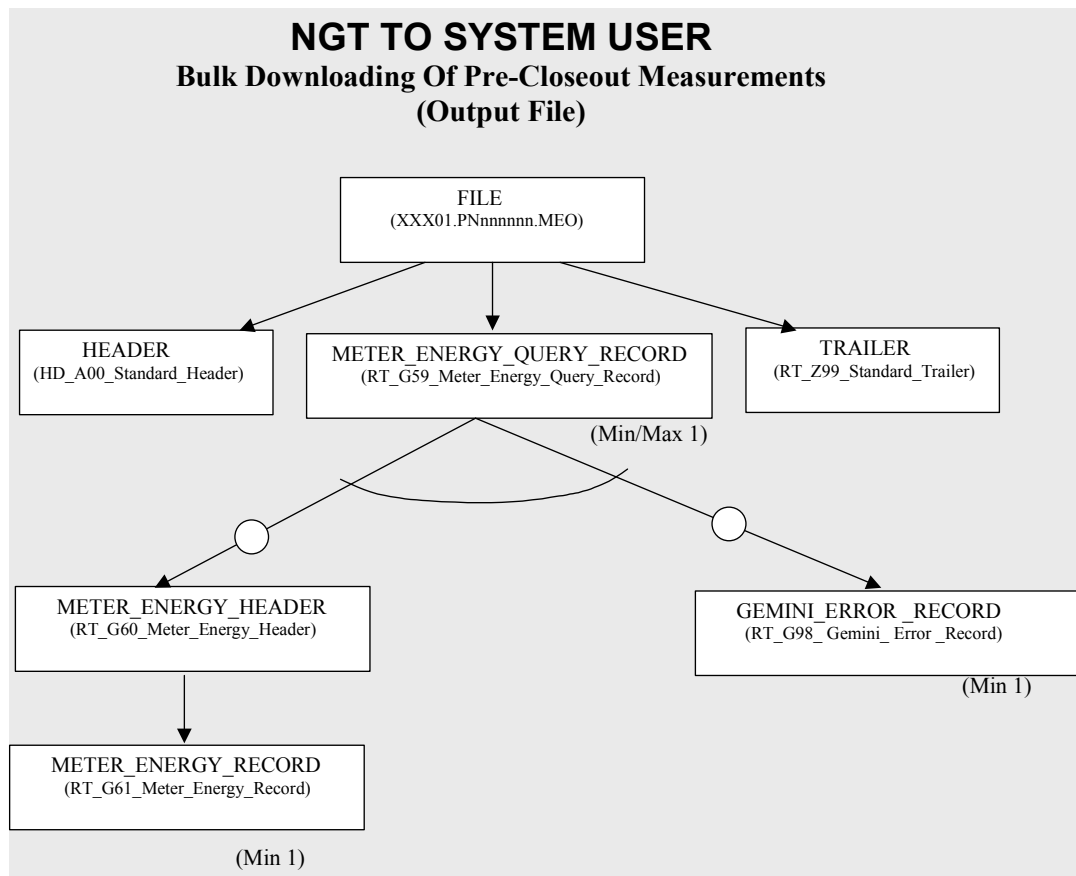
File Name and Record Types

File name: XXX01.PNnnnnnn.MEO where XXX represents the Business Associate's (BA) short code

Table 2 - MEO Record Types

SR#	RECORD NAME
1	HD_A00_STANDARD_HEADER
2	RT_G59_METER_ENERGY_QUERY_RECORD
3	RT_G60_METER_ENERGY_HEADER
4	RT_G61_METER_ENERGY_RECORD
5	RT_G98_GEMINI_ERROR_RECORD
6	RT_Z99_STANDARD_TRAILER

Layout Diagram



1.2.2 Record Formats

OPT - Optional, Mandatory

DOM - Domain i.e. T Alphanumeric, N Numeric, D Date (YYYYMMDD), M

Timestamp (HHMMSS)

LNG - Length

DEC – No. of decimal places

HD_A00_STANDARD_HEADER

(Standard header for all files sent between National Grid and another Organisation)

SI.No	RECORD/FIELD NAME	OPT	DOM	LNG	DEC	DESCRIPTION
1	TRANSACTION_TYPE	M	T	3	0	A code identifying the type of request that this record represents. VALUE: A00.
2	ORGANISATION_ID	M	N	10	0	A reference which uniquely identifies a Customer/Organisation.
3	FILE_TYPE	M	T	3	0	An application specific code used to identify the structure and the usage of the file. VALUE: MEO for this file type.
4	CREATION_DATE	M	D	8	0	The date on which the file was generated.
5	CREATION_TIME	M	M	6	0	The time on which the file was generated (within the Creation Date).
6	GENERATION_NUMBER	M	N	6	0	A sequence number which represents an issue of a file from the Organisation (indicated by the Organisation id) and of the file type (indicated by the file type), e.g., the first Nominations file from an Organisation will have the number 1, the second, the number 2, etc. Each file sent either from an Organisation to National Grid or from National Grid to an Organisation within one file type must have consecutive numbers. Must match nnnnnn in the file name.
Total				36		

RT_G59_METER_ENERGY_QUERY_RECORD

*(Query Record for Energy Balancing Bulk Download of Pre-Closeout Measurements)
Occurs Max 1*

SI.No	RECORD/FIELD NAME	OPT	DOM	LNG	DEC	DESCRIPTION
1	TRANSACTION_TYPE	M	T	3	0	A code identifying the type of

						request that this record represents. VALUE: G59
2	METER_ID	O	T	10	0	Unique identifier of a Meter.
3	GAS_DAY_FROM	M	D	8	0	The start gas day for which the user wishes to view the Pre Closeout Measurements.
4	GAS_DAY_TO	M	D	8	0	The end gas day for which the user wishes to view the Pre Closeout Measurements.
Total				29		

RT_G60_METER_ENERGY_HEADER

*(Header Record for Energy Balancing Bulk Download of Pre-Closeout Measurements)
(RT G98 will not occur)*

SI.No	RECORD/FIELD NAME	OPT	DOM	LNG	DEC	DESCRIPTION
1	TRANSACTION_TYPE	M	T	3	0	A code identifying the type of transaction that this record represents. VALUE: G60.
2	METER_ID	M	T	10	0	Unique identifier of a Meter
3	METER_NAME	M	T	40	0	Unique Name for the meter
4	METER_TYPE	M	T	2	0	The identifier of the type of Meter
5	GAS_DAY_FROM	M	D	8	0	The start gas day for which the user wishes to view the Post Closeout Measurements.
6	GAS_DAY_TO	M	D	8	0	The end gas day for which the user wishes to view the Post Closeout Measurements.
Total				75		

RT_G61_METER_ENERGY_RECORD

*(Detail Record for Energy Balancing Bulk Download of Pre-Closeout Measurements)
(RT G98 will not occur)*

SI.No	RECORD/FIELD NAME	OPT	DOM	LNG	DEC	DESCRIPTION
1	TRANSACTION_TYPE	M	T	3	0	A code identifying the type of transaction that this record represents. VALUE: G61.
2	GAS_DAY	M	D	8	0	Gas Day for which the measurement details are displayed.
3	INITIAL_ENERGY	M	N	13	0	The initial value recorded for the energy (kWh), which flowed through the meter on the gas flow day.
4	INITIAL_VOLUME	M	N	11	5	The initial value recorded for the volume (mcm), which flowed at the meter on the gas flow day.
5	INITIAL_CV	M	N	6	4	The initial calorific

						value (MJ/m ³) of the gas flowed at the meter on the gas flow day.
6	INITIAL_MEASUREMENT_TYPE	M	T	1	0	Initial Measurement Type which will indicate whether the Measurement is Measured / Estimated / Sites & Meters Estimate. Permitted Values 'M', 'E', 'S'
7	LATEST_ENERGY	M	N	13	0	The latest value recorded for the energy (kWh), which flowed through the meter on the gas flow day.
8	LATEST_VOLUME	M	N	11	5	The latest value recorded for the volume (mcm), which flowed at the meter on the gas flow day.
9	LATEST_CV	M	N	6	4	The latest calorific value (MJ/m ³) of the gas flowed at the meter on the gas flow day.
10	LATEST_MEAS_TYPE	M	T	1	0	Latest Measurement Type which will indicate whether the Measurement is Measured / Estimated / Sites & Meters Estimate. Permitted Values 'M', 'E', 'S'
11	ALLOCATED	M	T	1	0	Flag that indicates whether measurement has undergone allocation process or not. The permitted values are 'Y' and 'N' where Y is for allocated and N is for not allocated.
Total				74		

RT_G98_GEMINI_ERROR_RECORD

(Error Record for Energy Balancing Bulk Downloads)

(RT G98 occurs on error, RT G60 and RT G61 will not occur)

SI.No	RECORD/FIELD NAME	OPT	DOM	LNG	DEC	DESCRIPTION
1	ERROR_CODE	M	T	8	0	Error code associated with the error message
2	ERROR_MSG	M	T	80	0	Descriptive error message associated with each error code
Total				88		

RT_Z99_STANDARD_TRAILER

(Standard Trailer for all files sent between National Grid and another Organisation)

SI.No	RECORD/FIELD NAME	OPT	DOM	LNG	DEC	DESCRIPTION
1	TRANSACTION_TYPE	M	T	3	0	A code identifying the type of transaction that this record represents. VALUE: Z99.
2	RECORD_COUNT	M	N	10	0	A count of the number of records in the file not including the A00 and Z99 records.
Total				13		

Total Length:

328

1.2.3 Example File

Successful Query

```
"A00",0000000434,"MEO",20040119,160012,000001
"G59","10909517",20020601,20020603
"G60","10909517","P GARNETT & SON LTD","DC",20020601,20020601
"G61",20020601,8739,0.00077,40.7,"M",8739,0.00077,40.7,"M","Y"
"Z99",3
```

Error Query

```
"A00",0000000434,"MEO",20040119,160012,000001
"G59","10909X17",20020601,20020603
"G98","MTI00001","Invalid Meter Id"
"Z99",2
```

2 Document Control

2.1 Superseded Documents

Title	Reference	Version	Date
Documents issued to the Gemini shipper forum for review. Filenames as follows: <ul style="list-style-type: none"> - File Layout MEI.doc - File Format MEI.doc - Example file MEI.doc - File Layout MEO.doc - File Format MEO.doc - Example file MEO.doc - Example file MEO Error.doc 	N/A	1	17-Dec-2004

2.2 Version History

Version	Status	Date	Author(s)	Summary of Changes
1	For Representation	28-Jan-2005	NGT IS	Baseline version generated from contents of superseded documents.
1	Approved	17-Mar-2005	NGT IS	Approved at UK-Link Committee.
2	For Representation	07-Sep-2005	National Grid IS	Corrections highlighted during Gemini trials as follows: <ul style="list-style-type: none"> - Removed superfluous space in G60 record example; - References to post-closeout changed to pre-closeout. <p>Also, changed references to NGT to National Grid.</p>
<u>2</u>	<u>For Approval</u>	<u>29-Sep-2005</u>	<u>National Grid IS</u>	<u>No representation comments received. Submitted "For Approval" without further amendment.</u>