Gemini Shipper File Definitions

Bulk Download of Nominations

Author (for this version):	National Grid IS
Owner:	National Grid O&T
Document Reference:	4056.7
Version:	2
Status:	For Approval~~For Representation~~
Date:	29 September 2005 ~~07 September 2005~~

nationalgrid

Table of Contents

1 Bulk Download Specification

This bulk download supports the download of nominations. Query parameters are supplied in an NMI file. Retrieved detail records or query error messages are returned in an NMO file.
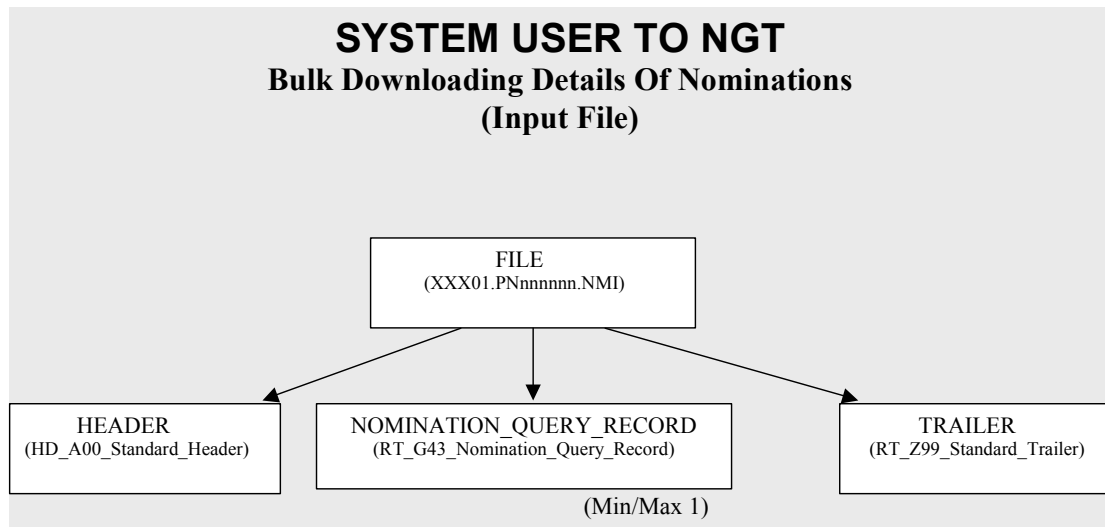
1.1 *Input File - NMI*

1.1.1 File Layout

File Name and Record Types

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

Table 1 - NMI Record Types

SR#	RECORD NAME
1	HD_A00_STANDARD_HEADER
2	RT_G43_NOMINATION_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)

Sl.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: NMI 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_G43_NOMINATION_QUERY_RECORD

(Query Record for Energy Balancing Bulk Download of Nominations)
Occurs Max 1

Sl.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

Gemini Shipper File Definitions – Bulk Download of Nominations   *Amended: 29/09/200529/09/200507/09/2005*
Document Reference: 4056.7   *4 of 1010*   *Issued: 09/09/2005*
Version: 2– For ApprovalFor ApprovalFor Representation   *National Grid Confidential*   *Close Out For*
Uncontrolled when Printed   *Implementation: 17/10/2005*

						represents. VALUE: G43.
2	SERVICE_ ID	M	T	15	0	Unique identifier of a BA's service.
3	GAS_DAY_FROM	M	D	8	0	The start gas day for which nominations are requested.
4	GAS_DAY_TO	M	D	8	0	The end gas day for which nominations are requested.
Total				34		

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: 83

1.1.3 Example File

```
"A00",0010000847,"NMI",20040129,123000,000001
"G43","XX-XX-000001",20031101,20031130
"Z99", 1
```

Gemini Shipper File Definitions – Bulk Download of Nominations   Amended: <u>29/09/2005</u><s>29/09/2005</s><s>07/09/2005</s>
Document Reference: 4056.7   5 of <u>10</u><s>10</s>   *Issued: 09/09/2005*
Version: 2– *For Approval*<s>For Approval</s><s>For Representation</s>   *National Grid Confidential*   *Close Out For*
Uncontrolled when Printed   *Implementation: 17/10/2005*
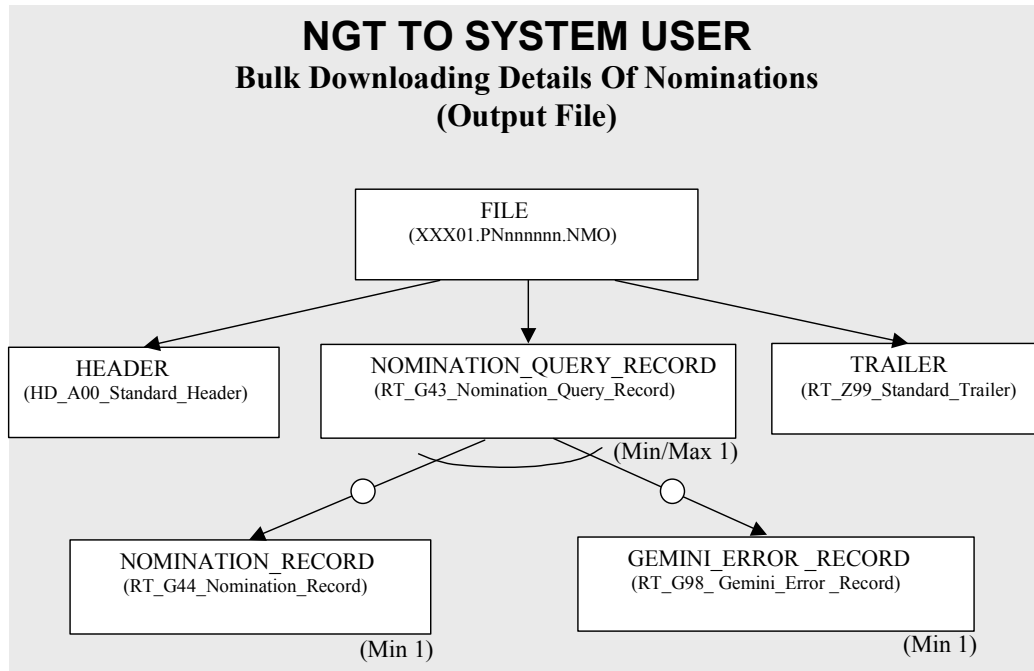
1.2 Output File – NMO

1.2.1 File Layout

File Name and Record Types

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

Table 2 - NMO Record Types

SR#	RECORD NAME
1	HD_A00_STANDARD_HEADER
2	RT_G43_NOMINATION_QUERY_RECORD
3	RT_G44_NOMINATION_RECORD
4	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: NMO 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_G43_NOMINATION_QUERY_RECORD
(Energy balancing bulk downloads of Nominations record)
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: G43.
2	SERVICE_ ID	M	T	15	0	Unique identifier of a BA's service.
3	GAS_DAY_FROM	M	D	8	0	The start gas day for which nominations are requested.
4	GAS_DAY_TO	M	D	8	0	The end gas day for which nominations are requested.
Total				34		

RT_G44_NOMINATION_RECORD

(Energy balancing bulk downloads of Nominations record)
Occurs Min 1
(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: G44.
2	SERVICE_ ID	M	T	15	0	Unique identifier of a BA's service.
3	ACTIVITY_ NUM	M	N	6	0	Unique identifier of an activity within the service.
4	GAS_DAY	M	D	8	0	The gas day that the nomination is for.
5	SPECIAL_ FUNCTION	M	T	2	0	This can contain 'OC' for OCM nomination, 'AF' for flex nomination and '' for normal nomination
6	REQUESTED_ ENERGY	M	N	13	0	Quantity (kWh) of energy requested for the gas day, service and activity by this nomination.
7	REQUESTED_ STATUS	M	T	1	0	The Status of the entered Nominations. Permitted values are 'N','A','R' where N= Nominated, A=Approved and R=Rejected
8	SCHEDULED_ ENERGY	O	N	13	0	Quantity (kWh) of energy scheduled by National Grid for the gas day, service and activity.
9	SCHEDULED_ STATUS	O	T	1	0	The Status of the entered Nominations. Permitted values are 'N','A','R' where N= Nominated, A=Approved and R=Rejected
	TOTAL			62		

RT_G98_GEMINI_ERROR_RECORD

(Energy balancing bulk downloads of Nominations Error record)
Occurs Min 1
(RT_G98 occurs when error occurs, RT_G44 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)

Sl.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: 233

1.2.3 Example File

Successful Query

```
"A00",0010000847,"NMO",20040301,123500,000001
"G43","XX-XX-000001",20031101,20031130
"G44","XX-XX-000001",151,20031101,,76745,"A",76745,"A"
"G44","XX-XX-000001",153,20031101,,53162,"A",53162,"A"
"G44","XX-XX-000001",154,20031101,,546,"A",546,"A"
"G44","XX-XX-000001",155,20031101,,349,"A",349,"A"
"G44","XX-XX-000001",156,20031101,,9701,"A",9701,"A"
"G44","XX-XX-000001",157,20031101,,318,"A",318,"A"
"G44","XX-XX-000001",158,20031101,,444,"A",444,"A"
"G44","XX-XX-000001",3,20031101,,31822,"A",31822,"A"
"G44","XX-XX-000001",4,20031101,,47874,"A",47874,"A"
"G44","XX-XX-000001",5,20031101,,179337,"A",179337,"A"
"Z99",11
```

Error Query

```
"A00",0010000847,"NMO",20040301,123500,000001
"G43","XX-XX-00X001",20031101,20031130
"G98","SID00002","Invalid Service 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: - File Layout NMI.doc - File Format NMI.doc - Example file NMI.doc - File Layout NMO.doc - File Format NMO.doc - Example file NMO.doc - Example file NMO 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: - Superfluous spaces in G43 record examples removed. Also, references to NGT changed to National Grid.
2	For Approval	29-Sep-2005	National Grid IS	No representation comments received. Submitted "For Approval" without further modification.