

SDFG Discussion Paper

Electricity Information Exchange Protocols (EIEP)

EIEP 12 Detailed Pricing Information Functional Specifications

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1. Introduction and purpose of this paper

- 1.1.1 The SDFG have proposed the EIEP12 for the purpose of providing distributors with a mechanism to communicate pricing information to traders.
- 1.1.2 It was noted that EIEP12 is a completely new protocol, has been designed with the new data dictionary in mind and is in the new format. Following discussions with the Standardisation project the Authority have agreed that this EIEP will be consulted on separately from the other EIEPs.
- 1.1.3 The EA would like the SDFG to consider this document with view to making a final decision at its meeting on 7 April 2011.
- 1.1.4 Once the SDFG have signed off on this EIEP12, including that the data content and format are at a level acceptable by the group, this paper will be released for recommendation to the board for consultation.
- 1.1.5 The changes to all other EIEPS will be released in a separate consultation to advise of changes along with the data dictionary.
- 1.1.6 Mandatory changes for all EIEPS will then be part of separate consultation to those two mentioned above.

1.2 Inclusion in the EIEP functional specifications

- 1.2.1 It is intended that the following information relating to EIEP12 will be included in a singular document titled 'EIEP functional specifications. This newly designed version of the original protocols will be in keeping with the registry (and other) functional specification layouts.
- 1.2.2 The new functional specification document is intended to give a more technical overview for the use of all EIEPs.
- 1.2.3 The intended audience has been taken into account in that the document will contain information for those participants that are familiar with the communication requirements in the industry.

1.3 EIEP 12

- 1.3.1 The information that would normally have been noted in sections preceding the format table will now be located as follows;
 - Purpose – will be discussed in the description of the file format for this and each EIEP.
 - Operation of protocol – this includes the file transport mechanisms, which will be consistent under the heading “Processing” following the file formats for this and all other EIEPs.
 - Supplementary information – this relates to units of measure and associated codes. The units of measure will become part of the main preamble to the functional specifications, whereas codes that relate to each EIEP will follow the file formats table for that EIEP.

1.3.2 EIEP12 had no other specific preamble that needed to be noted for the inclusion in the functional specifications.

EIEP 12: Detail consumption information

Sub-process:	EIEP 12 Detail consumption information
Process:	Distributor provides information
Participants:	Trader/Distributor
Rule references:	
Dependencies:	

Description:

This file is used by distributors to provide pricing information to traders to support invoicing of fixed and variable line charges.

The information contained in this file is used by traders to update their systems to support invoicing of fixed and variable line charges as published by the distributor.

Business requirements:

1. The parties will agree the file transport mechanism and destination address.
2. This report will be delivered by the date agreed by parties as soon as practical after notification of price change.
3. Network price/tariff codes are to be those to be published by the distributor.
4. Where codes are stipulated these must be the EA approved published codes or those determined in the registry and reconciliation functional specifications.
5. Information will be consistent with the terminology used in the EIEP data dictionary.

Data Inputs:

1. The information is to be provided as a comma delimited text file. Commas are therefore prohibited within fields. Where portions of a field require separation, a tilde character (~) should be used. If commas are present in the fields, use quotation marks to exclude them as separators, as per the DOS CSV format.
2. Matching of file names, code list values, etc, are to be case insensitive.
3. Each data file will contain one header and one or many detail records.
4. Document includes XML tags for those participants that have the capacity use.

Attributes	Format	Mandatory /optional	XML tag	Comments
Header record type	Char 3	M	<RowType>	HDR – indicates the row is a header record type
File type	Char 7	M	<FileType>	Pricing Information - PRICE
Sender	Char 4	M	<Sender>	Party code of sender
Sent on behalf of	Char 4	M	<OnBehalfOf>	Party code of party on whose behalf consumption data is provided.
Recipient	Char 4	M	<Recipient>	Party code of recipient
Report run date	DD/MM/YYYY	M	<RunDate>	Date the report is run
Report run time	HH:MM:SS	M	<RunTime>	Time the report is run
File initiator unique identifier	NUM 12	M	<Identifier>	Number that uniquely identifies the report
Number of detail records	NUM 8	M	<RecordCount>	Total number of DET records in report
Effective start date	DD/MM/YYYY	M	<EffectiveStartDate>	Date that the price changes take effect

Attributes	Format	Mandatory /optional	XML tag	Comments
Detail record type	Char 3	M	<RecordType>	DET – indicates the row is a detail record.
Registry Pricing Code	Char 7	M	<Pricing Code>	Pricing code identifier
Fixed / Variable	Char(1)	M	<Fxd_Var>	Identifies a data row as either Fixed or Variable
Register Content Code	Char(6)	M/O	<RegisterContent>	Identifies the meter content of each data row

Hours of Availability	Num(2)	M/O	<RegisterHours>	The available supply hours for each meter content code
Meter Register Code	Char(4)	M	<RegisterCode>	Register code used by Distributors
Tariff Code	Char(12)	M	<Tariff>	The specific tariff code for that load group and meter content code
Tariff Rate	Num(6.6)	M	<Rate>	The specific tariff rate in dollars per unit
Tariff Start Date	DD/MM/YYYY	M	<StartDate>	The start date of the new tariff
Tariff End Date	DD/MM/YYYY	M	<EndDate>	The end date of the new tariff

Processing:

5. File transport mechanisms are to be secure, as recommended by the Authority and agreed between parties.

Data outputs:

6. The information is to be provided as a comma delimited text file. Commas are therefore prohibited within fields. Where portions of a field require separation, a tilde character (~) should be used. If commas are present in the fields, use quotation marks to exclude them as separators, as per the DOS CSV format.
7. Matching of file names, code list values, etc, are to be case insensitive

2. Supplementary information

2.1.1 The following table will become part of the preamble to the main document "EIEP Functional Specifications".

2.1.2 No other code table has been suggested for this EIEP.

Table 1 Unit of measure table

Unit	Description
kWh	kilo watt hour energy (real energy)
kW	kilo watt demand (real power)
kVAh	kilo volt ampere hour energy (apparent energy)
kVA	kilo volt ampere demand (apparent power)
kVArh	kilo volt reactive ampere hour energy (reactive energy)

kVAr	kilo volt reactive ampere hour demand (reactive power)
Day	Measure of time for fixed daily charges
Equipment	Fixed charges for specific equipment (eg transformers)

3. Questions for consideration by the SDFG

- 3.1 Is the SDFG in agreement to the new layout and inclusion in a singular document "EIEP Functional Specifications"?
 - 3.2 Has all the information been applied correctly to the file format e.g. the correct order?
 - 3.3 Are there any other codes or information that need to be included in the EIEP Functional Specification?
 - 3.4 Are there any matters or observations that need to accompany this paper for consultation?
 - 3.5 Do the SDFG agree to this EIEP12 being released for consultation?
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