

To All
Energy Supply Companies
in the Swiss Control Area

14 July 2008

Newsletter on Standardised Data Interchange for the Swiss Electricity Market

Dear Sir/Madam

As a distribution system operator, balance group manager, power supplier and/or producer in the Swiss control area, you are affected by the implementation of metering and information processes related to the liberalisation of the electricity market.

In this context the Association of Swiss Electricity Companies (VSE) has drawn up industry documents to serve as a basis for the legally prescribed guidelines in Article 8 of the Electricity Supply Ordinance. For metering and information processes, the relevant documents are those entitled Metering Code CH (MC CH) and Standardised Data Interchange for the Swiss Electricity Market (SDI CH).

This newsletter contains news and information on the planned measures related to the liberalisation of the electricity market. The following pages contain articles on the individual topics.

If you have questions regarding this newsletter, please contact the swissgrid Customer and Information Centre: www.swissgrid.ch / Phone 0848 014 014 / E-mail info@swissgrid.ch / Fax 058 580 21 21.

Yours faithfully
swissgrid ag

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July 2008 Newsletter

Topics:

1. Update of the Swiss metering code
2. Supplementary information on Standardised Data Interchange for the Swiss Electricity Market (SDI CH)
3. Issuing of ETSO Energy Identification Codes (EIC)
4. KEMA test centre for Standardised Data Interchange for the Swiss electricity market
5. Setting up data interchange with swissgrid

1 Update of the Swiss metering code

Note: This topic primarily concerns distribution system operators.

The Swiss Metering Code was supplemented and adapted by the VSE's "Energy Data" Commission based on the definitive federal ordinances. Version 2008 of the Metering Code is available for downloading free of charge from the VSE website (www.strom.ch → Dossier Strommarktöffnung → Branchendokumente).

The main changes are as follows:

- Producers with a connection capacity of more than 30kVA require a load profile measurement
- Recommendation for connecting renewable energy producers
- Processing of data for renewable energy producers
- Calculation of the "gross load profile amount" for the proprietary grid, for the purposes of direct cost allocation
- Calculation of the "total gross load profile amount" for the purposes of cost charging
- Detailed information on cost distribution for the metering point

2 Supplementary information on Standardised Data Interchange for the Swiss Electricity Market (SDI CH)

Note: This topic concerns distribution system operators and EDM software manufacturers in particular (please forward to the latter).

According to the definitive Energy Ordinance dated 14 March 2008, the registration of guarantees of origin constitutes the basis for calculating the renewable energies incentive payment. Accordingly, a supplementary document has been drawn up governing electronic data interchange for the registration of guarantees of origin. Automated registration is only one of three options: According to the GoO Ordinance, it is also possible to register via an auditor accredited for this area of expertise or via the distribution system operator provided such operator is legally separate from the producer. The GoO web portal provides information on these two alternative manual registration options. Further information is available at www.swissgrid.ch.

You will find the following new or updated documents on electronic data interchange on the VSE website:

- New: SDI CH Supplement 1, Data Interchange for the Automated Registration of Guarantees of Origin, June 2008 Version
- Amendments to SDI CH Annex 1, 3 and 4, June 2008 update
- XML Schemas and Sample Files, June 2008 Update

The following information is relevant for EDM software manufacturers:

Where necessary, due to the electronic data interchange for guarantees of origin, the XML schemas have been upgraded from Version 1.0 to Version 1.1.

In message E66 (Validated Metered Data) an additional Reason Code (Labelling Energy) as well as an additional Role Code (Certifying Party) is enabled. Since not only load profiles but also energy volumes can now be transferred between two readings (volumes), it is no longer mandatory to include the resolution. This has been made optional in order to enable its omission in volume messages. In addition, to prepare for future tasks the "Feature" element, which was already included in the schema, is permitted in order to enable tariff data also in the future (high, low, maximum). However, this is not required for guarantees of origin.

To enable use of the additional Role Code (Certifying Party) also in the acknowledgement and Model Error Report, the reference to code lists had to be adjusted here. This has resulted in the use of Version 1.1 for Acknowledgements and Model Error Reports.

Versions 1.0 and 1.1 of the schemas are both valid from 1 November 2008 up to and including 31 March 2009. Version 1.1 will be activated in the KEMA test centre from 1 October 2008.

3 Issuing of ETSO Energy Identification Codes (EIC)

Note: This topic concerns all parties involved in data interchange.

In the standardised data interchange for the Swiss electricity market (SDI CH), all parties involved in the data interchange are clearly identified by means of an identifier based on the ETSO Energy Identification Code (EIC).

The EIC distinguishes between the X code and the Y code. The X code identifies a party, i.e. a company (one code per VAT number). The Y code identifies an area, i.e. a grid.

Each grid operator therefore requires a Y code to identify his grid and an X code to identify the actual party.

Due to unbundling (separation of grid and market), an X code is also required for distribution and for trading by existing electrical utility companies (EUCs) to indicate the market functions (i.e. the roles of supplier and balance group manager). This X code must be used for supplier activities and for operation of a balance group if a proprietary balance group is opened.

The display name (for verbal communications) consists of an assigned 10-digit abbreviation for the company, followed by the suffix

- "GO" for Grid Operator
- "GA" for Grid Area
- "ST" for Sales & Trading (distribution – supplier, BGM, trader).

Due to the large number of new codes, swissgrid has decided to issue and publish codes proactively (www.swissgrid.ch). Each existing EUC has been assigned a grid code, a grid operator code and a

distribution code. This corresponds to the situation of most EUCs. Existing codes have been taken into account and remain valid.

Please check your codes. If the following circumstances apply to you, you must apply to the swissgrid Customer and Information Centre, e-mail info@swissgrid.ch, for a change of code.

- You operate more than one grid which is not directly interconnected. If you balance these grids separately and also handle them separately for the purpose of cost charging with upstream grid operators, you need a separate grid code (EIC-Y) for each grid.
- You integrate your grid, for example in the upstream grid. One reason for this may be a merger or the lack of a load curve measurement at the grid border. This means that you no longer act as a grid operator vis-à-vis market players and swissgrid, and you no longer require codes for grid and grid operator.
- You do not act as a supplier in any balance group. This means that deliveries within your grid are carried out by another supplier. You therefore do not require a distribution code.

Note: If you have outsourced data interchange operations to a service provider, you still require the codes since you remain a market player and have merely delegated your tasks to a third party.

4 KEMA test centre for standardised data interchange for the Swiss electricity market

Note: This topic concerns all parties involved in data interchange as well as EDM software manufacturers (please forward to the latter).

In conjunction with KEMA, swissgrid has set up a test centre for SDI CH. Here you have the possibility of checking messages for errors and testing simple EDM system procedures.

The test centre has been in operation since 2 June and can be used free of charge by software manufacturers and parties involved in data interchange (for example for software acceptance tests). If you are interested in using the centre, please contact the swissgrid Customer and Information Centre by e-mail at info@swissgrid.ch or telephone 0848 014 014.

5 Setting up data interchange with swissgrid

Note: This topic concerns distribution system operators in particular.

IT systems for handling data interchange will be in operation at swissgrid from 1 September 2008. The entire system for data interchange with all distribution grid operators must be set up and tested by the end of the year. swissgrid offers its partners the option of data interchange via FTP or e-mail.

The following technical details are provided by way of advance information:

- E-mail variant: When recording data interchange swissgrid informs you of the e-mail address at the swissgrid end. swissgrid requires an e-mail address at your end to which responses can be sent.
- FTP variant: A login is set up for you on a swissgrid FTP server. This contains an IN and OUT directory. You must write the files to the IN directory and, unless otherwise requested, we will write the responses to the OUT directory.