

<b>Change Proposal – F40/01 (Page 1 of 2)</b>	CP No: 561 <i>(mandatory by BSCCo)</i>
<b>Title</b> <i>(mandatory by originator)</i> French Interconnector Metering Data	
<b>Description of Change</b> <i>(mandatory by originator)</i>  NCR 256 covers the process to be followed by the CDCA when obtaining and validating French interconnector meter readings, which cannot be done using the existing protocols.  <i>This Change Proposal has been raised to implement NCR 256</i>	
<b>Proposed Solution(s)</b> <i>(mandatory by originator)</i>  See attached NCR 256 for detailed solutions.	
<b>Justification for Change</b> <i>(mandatory by originator)</i>  The current CDCA system has no means to process data files from French meters and so a change is required to enable the CDCA to carry out its duties.	
<b>Other Configurable Items Potentially Affected by Proposed Solution(s)</b> <i>(optional by BSCCo)</i>	
<b>Impact on Core Industry Documents</b> <i>(optional by originator)</i>	
<b>Related Changes and/or Projects</b> <i>(mandatory by BSCCo)</i>	
<b>Originator's Details:</b>  <b>BCA Name</b> ...John Cunningham.....  <b>Organisation</b> ...ELEXON.....  <b>Email Address</b> .....  <b>Date</b> .....24 <sup>th</sup> May 2001.....  <b>Organisation</b> .....	
Attachments: Y/ (If Yes, No. of Pages attached:...2.....) <i>(delete as appropriate)</i>	

**NETA Programme Change Request Form**

**Change Request ID: NCR256**

**Change Request Name:**

French Interconnector Metering Data

**Priority**

**Critical for  
Go live**

~~Desirable for  
Go Live~~

~~Not needed for  
Go Live~~

*Identified By: Dave Morgan*

**Date Submitted: 8 December 2000**

**Description of Proposed Change:**

This proposal sets out recommendations for obtaining meter readings for the French Interconnector, validating them and loading them into CDCA. It will not be possible simply to follow normal CDCA procedures to obtain these meter readings, as a special protocol exists between France and England, which stipulates that meter readings for the interconnector will be provided by RTE using DC meters. These readings will be adjusted for losses by RTE to give a reading at the point where electricity enters the England and Wales system (Sellindge).

These readings will need to be loaded into the CDCA system so that they can be processed for settlement. The CDCA system currently has no means to process the file of meter readings. A utility programme will be required to process these readings.

**Proposed Solution:**

RTE will provide a file of readings for each settlement day. This file will be in the format described below. This proposal will require the following actions to be undertaken:

1. Register a Metering System in CDCA for the French Interconnector
2. RTE to provide the file of meter readings in the format described below.
3. Develop a bespoke utility to load the meter data into CDCA and convert the readings to Megawatt hours.
4. The readings from RTE will be loaded when they are available and used in all subsequent settlement and reconciliation runs. When data can not be supplied by the end of D+4, the actual meter readings from Sellindge will be used in the initial settlement run, if these are unavailable, the normal data estimation and substitution rule will apply.
5. Define a set of Aggregation Rules for the Sellindge Meters. These rules would require the summation of all readings for each half hour in a given settlement day, to give a total active import and active export reading for each half hour within the day.
6. Meters at Sellindge (on the UK side of the Interconnector) will be read remotely on a daily basis. These data can be used to perform a sense check on the data received from RTE. This sense check could be performed via a simple calculation (e.g. by a manual process using an Excel Spreadsheet) and would take the following form:

Meter Readings from RTE would be checked against the following range

$$\text{Meter Reading} * 0.995 < \text{RTE Sellindge Reading} < \text{Meter Reading} * 1.005$$

i.e. if the readings from RTE, as adjusted to Sellindge, showed more than 0.5% difference to

the actual readings from the Sellindge meters, they would fail the sense check. There are known accuracy problems when the interconnector is operating at very low load levels. For this reason, the sense check will **not apply** to any half hour period where the **total flow** across the interconnector is **less than 200 Megawatts**.

In this case, the data would still be loaded but a simple exception report would be created for Elexon.

7. Modify Operational procedures to allow for contact to be made by CDCA with Elexon, NGC IB and RTE, when readings fall outside of the range described in 6 above, in order that the values can be investigated and corrected as appropriate.

Proposed file format

RTE will provide a file of meter readings for each Settlement Day (D) by D+4. The file will be in standard Comma Separated Variable (CSV) Format. The file will contain values in Kilowatts for each half-hour of the day. The file will contain 48 data records for each day, one per half-hour. The data records will correspond to each half-hour period and the periods will correspond to Greenwich Mean Time (GMT).

The file will adopt the following naming convention:

CDCA\_FRDATA\_ddmmmyyyy\_nn.DAT  
 where dd = day of the month to which the data refers;  
       mmm = month of the year (e.g. JAN, FEB etc.);  
       yyyy = year; and  
       nn = file version number.

The file will contain standard header and trailer records as defined in the Logica IDD version 3.4final.

The data records will contain the following data items:

<b><u>Data Item</u></b>	<b><u>Field Type/Length</u></b>	<b><u>Values</u></b>
Settlement Period ID	Integer (2)	1 – 48
Mid-Channel Active Export	Integer (8)	
Mid-Channel Active Import	Integer (8)	
Sellindge Active Export	Integer (8)	
Sellindge Active Import	Integer (8)	

**Reason for Proposed Change (Benefits) and/or Implications of not making the Change:**

Flows across the French Interconnector represent >6% of total demand in the England and Wales marketplace. It is not possible to follow the currently defined CDCA procedures to obtain meter readings for the Interconnector, as there are no physical meters that can be remotely read. Without approval of this NETA Change Request it will not be possible to process meter readings for a significant proportion of the electricity supplied over the National Grid.

**Initial Recommendation to Programme Exec:**

Issue a CR for formal, detailed Impact Assessment by Logica, EdF, NGC and Elexon.

**Final Recommendation to Programme Exec:**

