

Form A – IGG Design Discussion Request

Discussion Request Number	Title	Priority
DR 146	Inclusion of Seconds (SS) in the Date Timestamp Format	High

Name of Requesting Organisation	SEM
Contact name	Theresa O'Neill
Date Request sent to RMDS	25 th April 2007

Date	Version	Reason for Change
25 th April 2007	0.1	<i>To align the XML schema provided by the SEMIT and the SEM-MDP meter data format which does not include seconds for these date time data items.</i>

Detail of Discussion Request

Inconsistency between XML and Data Definition for 4 Date/Time fields

The following 4 Data Items were specified in MCR120 with composition instructions of YYYY-MM-DDThh:mmTZD. This MCR was based on information provided to ESB Networks from the SEMIT in their document SEM-MDP Meter Data Format.

- Start Period Time
- End Period Time
- Interval Start Time
- Interval End Time

However, the MeterData.xsd from the SEMIT (schema definition for upload of MDP Data to SMO) contains these definitions:

- `<xs:element name="START_PERIOD_TIME" type="xs:dateTime"/>`
- `<xs:element name="END_PERIOD_TIME" type="xs:dateTime"/>`
- `<xs:element name="START_TIME" type="xs:dateTime"/>`
- `<xs:element name="END_TIME" type="xs:dateTime"/>`

Each of these four elements are of type XS:DateTime. This implies that they must contain date time values to a level of seconds.

In Summary

There is an inconsistency between the technical specification of the xml schema provided by the SEMIT and the SEM-MDP Meter Data Format which does not include SS level for these DateTime data Items. All elements within the xml schema defined as XS:DateTime will contain SS level data. This is an XML restriction.

This inconsistency has been raised by ESB Networks with the SIMDRACS Co-ordinator. The SMO are changing the Data Definitions for these 4 fields to include 'ss', and this DR requests that the ARIS field format follows suit.

Note that this does not impact on the XML schema

Detail of Discussion Request	
Reason for Discussion Request	
Inconsistency between XML and Data Definition for 4 Date/Time fields	
Market Design Documents impacted by Request	
ARIS Field Attributes	
Date of IGG where discussed	19 th April 2007
Change Request xref (if applicable)	Slide 28 of ESB Networks AIP Programme presentation to the IGG 19 th April 2007

PART 2 MARKET ASSURANCE:				
Applicability				
ESB Networks	Suppliers	TSO	SMO	Generators
X			X	
Scope of Test				
Connectivity	DTT	MSA	IPT	Other
	X			
			No. Of Scenarios	

Scope of Discussion Request							
Correction to Documentation	Business Process	Market & MP Systems	MGCC	Readings Processor	Market Gateway	Schema	Web Forms
		X					

1.1 Data Item and Data Definition Changes

Attributes	
Name	Start Period Time
Business Data Definition	Start of Period where reported metered values are measured.
Composition Instructions	Format is YYYY-MM-DDThh:mm:ssTZD where TZD = Time Zone Difference
Length	225

Attributes	
Name	End Period Time
Business Data Definition	End of Period where reported metered values are measured.
Composition Instructions	Format is YYYY-MM-DDThh:mm:ss TZD where TZD = Time Zone Difference
Length	225

Attributes	
Name	Interval Start Time
Business Data Definition	Local start time for an individual reading (an hour or half-hour value).
Composition Instructions	Format is YYYY-MM-DDThh:mm:ss TZD where TZD = Time Zone Difference
Length	225

Attributes	
Name	Interval End Time
Business Data Definition	Local end time for an individual reading (a half-hour or hour value, a half hour after the start time).

Composition Instructions	Format is YYYY-MM-DDThh:mm:ss TZD where TZD = Time Zone Difference.
Length	225