

Market Change Request

Number		Title	Priority
MCR	144	Data changes to accommodate new unmetered lamp types	<i>High</i>

Date	Version	Reason For Change
10 th April 2007	1.0	<i>Initial draft of the MCR document. This document has been created as a result of changes planned by ESB Networks business.</i>

PART 1 CHANGE REQUEST:

Name of Requesting Organisation	<i>ESB Networks business</i>		
Contact name	Colm Gaffney		
Date Change Request Raised	<i>7th February 2007</i>	Originating Discussion Request	
		DR	129

Detail of Change Request

This MCR has been raised to add to the code value list for the unmetered type code in the retail market design. This is as a result of four new public lighting lamp types.

Background:

ESBN has been advised of two new unmetered lamp types will be used for public lighting in the near future. New code values need to be added to the retail market design for these new types. Suppliers may need to take account of these in receiving the 700 and 701 messages. This DR impacts DUoS billing and may affect supplier billing.

The new lamp types will increase luminous efficacy meaning that you can replace the SON/CDM lamp types without loss of light levels but with useful energy savings. Also improved control gear increases overall system efficiency for further energy savings.

Solution:

The two new Lamp types are being added to the SAP ISU model. These two lamp types are:

1. Cosmopolis Lamp – New-generation ceramic metal halide lamps for outdoor lighting
2. Compact Fluorescent - Compact long-arc low-pressure mercury discharge lamp

Eight new entries have to be made to the SAP ISU model to configure the Lamp Types and their associated wattages. There are 2 new lamp Types. Each Lamp Type has two wattages, which in turn have dusk to midnight and dusk to dawn control regime variants.

Lamp Type	Lamp (control gear) Wattage	Billable Wattage	Rate Category	Power Factor	Unmetered Type Code Value	Value Description	
CPO-TW	60W (+6W)	66W	DG-3-D2M	0.98	CPOT	Cosmopolis Lamp	
CPO-TW	140W (+14W)	154W	DG-3-D2M	0.98	CPOT	Cosmopolis Lamp	
CPO-TW	60W (+6W)	66W	DG-3-D2D	0.98	CPOT	Cosmopolis Lamp	
CPO-TW	140W (+14W)	154W	DG-3-D2D	0.98	CPOT	Cosmopolis Lamp	
PL-LHF	40W (+4W)	44W	DG-3-D2M	0.96	PLLH	Compact Fluorescent	
PL-LHF	55W (+3W)	58W	DG-3-D2M	0.96	PLLH	Compact Fluorescent	
PL-LHF	40W (+4W)	44W	DG-3-D2D	0.96	PLLH	Compact Fluorescent	
PL-LHF	55W (+3W)	58W	DG-3-D2D	0.96	PLLH	Compact Fluorescent	
Reason for Change Request							
Introduction of new public lighting lamps							
Scope of Change Request							
Correction to Documentation	Business Process	Market & MP Systems	MPCC	Readings Processor	Market Gateway	Schema	Web Forms
Identification of Baseline Products Impacted							
Description of Trading & Settlement Code Impact (if any)							

PART 2 MARKET ASSURANCE:				
Applicability				
ESB Networks	Suppliers	TSO	SMO	Generators
X	X			
Scope of Test				
Connectivity	DTT	MSA	IPT	Other

X	X			
			No. Of Scenarios	

Date of issue of Change Request	
Date response is required	

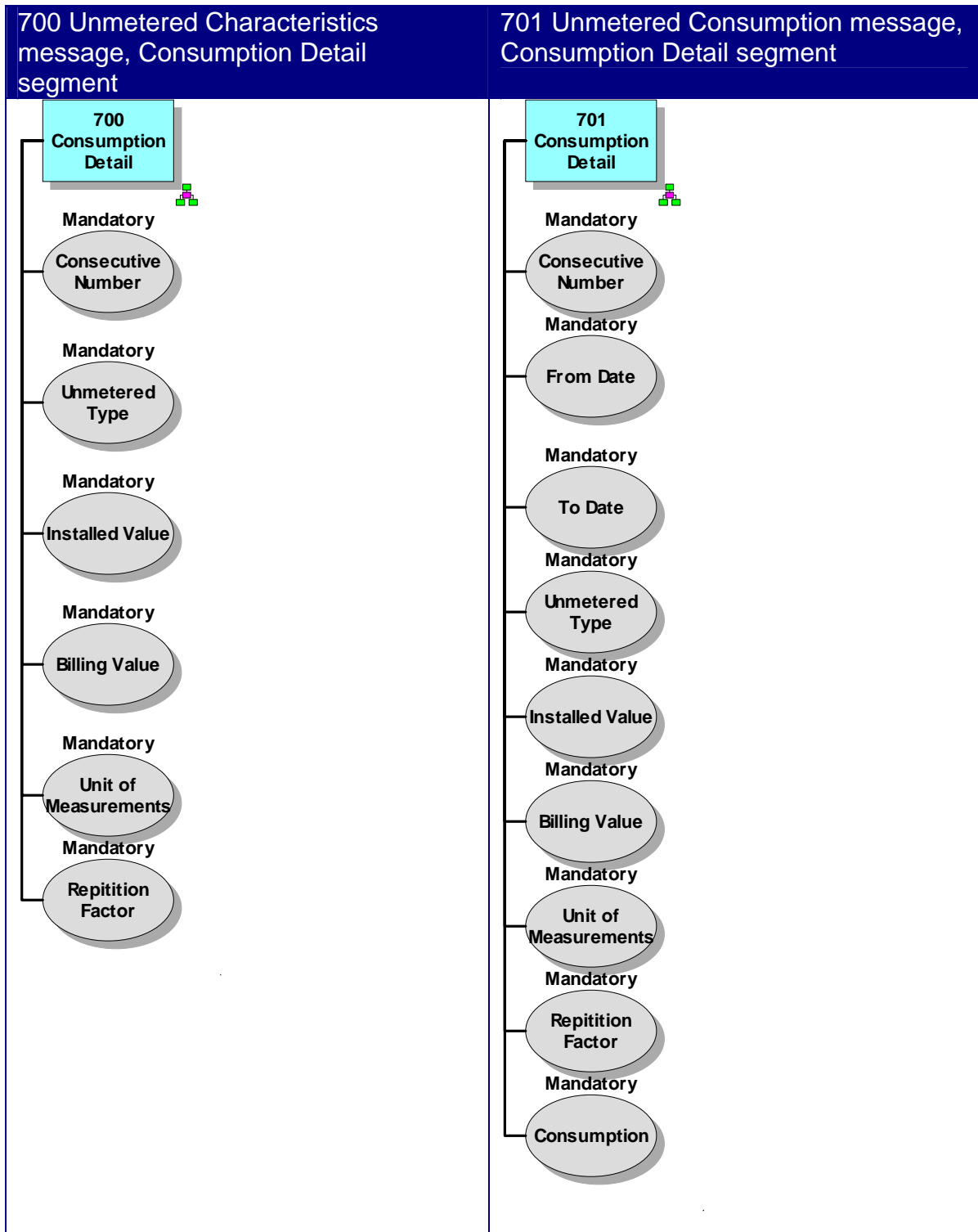
PART 3 RESPONSES AND MODIFICATIONS:
Collation of Impact Assessment <i>(from Form C)</i>
Modifications Included
<i>New Code value for the 'Unmetered Type' field within 'Consumption Detail' of the 700 and 701 Message</i>
Reason for Modifications
Suppliers need to be advised about these new lamp types, so they can amend their billing systems. This is necessary to ensure accurate billing of customer unmetered inventories.

PART 4 ASSESSMENT & RECOMMENDATION:
Part 4(a) ASSESSMENT
Summary of Impact Assessment
Recommendation on Implementation Plan

Part 4(b) RECOMMENDATION			
ACCEPTANCE	REJECTION	NO RECOMMENDATION	COMMENT
Reason for Recommendation			
Date of Recommendation			

1. Market Message Structures

1.1 MM700 and MM 701 Consumption details. These two market messages will not change



Impacted Attributes

	Unmetered Type
Name	Unmetered Type
Identifier	
Full Name	
Description	
Allowable Codes on Message	
Valid Code Values	
Composition Instructions	2D - Fluorescent ('U' Shaped) BARR - Barriers BEAC - Beacons BOLF - Bollards (F) BOLL - Bollards (L) BUS1 - Bus Shelters (1) BUS2 - Bus Shelters (2) CCTV - Close Circuit TV CDMT - Metal Halide CFL - Compact Fluorescent CPOT - Cosmopolis Lamp FLR - Fluorescent (R) FLU - Fluorescent (U) FPOS - Finger Posts HAL - Halogen (1) HALO - Halogen (2) HEAT - Miscellaneous Street Furniture (Galway) HPIT - Millennium Bridge Project in Dublin KISK - Telephone Kiosks LED - Light Emitting Diode MBF - Mercury MBT - Mercury Tungsten MBTF - Mercury Tungsten Fluorescent MCF - Fluorescent (F) MHF - Metal Halide (F) MHL - Metal Halide (L) MHNT - Metal Halide Double Ended NAV - Navigation Lights NEON - Airport Road Lights (Cork) OMN - Miscellaneous Decorative Lights PARK - Parking meters PBUS - Push Button Units (Associated with Traffic Lights) PED - Pedestrian Lights (Standard Configuration) PED2 - Pedestrian Lights (Non Requestable Legacy Configuration 2) PED3 - Pedestrian Lights (Non Requestable Legacy Configuration 3) PLLH - Compact Florescent SCH - School Flashing Lights SHRN - Shrines SIGN - Lee Tunnel signs

	SL - Sodium Lamp SLI - Sodium LP with Linear Lamp SON - Sodium HP with Standard Gear SOX - Sodium LP with Standard Gear SOXE - Sodium LP with Hybrid Gear SPCA - Speed Cameras SXHF - Sodium LP with High Frequency Gear TAXI - Taxi Rank Signs TEL - Emergency Motorway Telephone THAL - Millennium Floodlighting - Liffey Bridges (1) TI - Decorative Lamp TLDF - Millennium Floodlighting - Liffey Bridges (2) TRC -Traffic Counters TUN - Tungsten VEH - Traffic Lights (Standard Configuration) VEH2 - Traffic Lights (Non Requestable Legacy Configuration 2) VEH3 - Traffic Lights (Non Requestable Legacy Configuration 3) VMS - Associated with traffic/pedestrian lights XFLR - Fluorescent (R) XFLU - Fluorescent (U) XMBF - Mercury XMBT - Mercury Tungsten Fluorescent XMCF -Fluorescent (F) XSL - Sodium Lamp XSLI - Sodium LP with Linear Lamp XSON -Sodium HP with Standard Gear XSOX - Sodium LP with Standard Gear XTI - Decorative Lamp XTUN - Tungsten WAR - Miscellaneous Street Furniture (Clare) SPU - Single Point Unmetered
Business Data Definition	Codified field indicating the type of unmetered installation
Length	4

	Installed Value
Name	Installed Value
Identifier	
Full Name	
Description	
Allowable Codes on Message	
Valid Code Values	
Composition Instructions	
Business Data Definition	Installed Value is the wattage of the equipment
Length	

	Billing Value
Name	Billing Value
Identifier	
Full Name	
Description	
Allowable Codes on Message	
Valid Code Values	
Composition Instructions	
Business Data Definition	The wattage which drives consumption calculations at the MPRN for an unmetered site.
Length	Billing Value