

ELEXON

RADIO TELESWITCH – STANDARD SETTLEMENT CONFIGURATION MAPPING

Guidance Note

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BACKGROUND

There are currently two ways to switch electrical loads on time-of-use registers:

- either locally, by timeswitching (i.e. via a timeswitch in, or attached to, the Meter); or
- remotely, using a time signal from the Radio Teleswitch Service (RTS).

In the case of timeswitched Meters, Market Domain Data (MDD) pre-defines both the time-of-use registers and the switching times.

In the case of teleswitched Meters, MDD defines the registers, but the Teleswitch Agent notifies the Supplier Volume Allocation Agent (SVAA) of the broadcast switching times for each Teleswitch User (TSU) and a Teleswitch Group (TSG) on a daily basis.

Suppliers who use the RTS to switch load or registers should assign Metering Systems to an RTS Standard Settlement Configuration (SSC). An RTS SSC includes two additional data items in MDD:

- a TSU ID; and
- a TSG ID.

The Time Pattern Regime (TPR) IDs for an RTS SSC have a teleswitch/clock indicator value of 'S' (as opposed to 'C' for clock-switched or timeswitched) and, by convention, have five-digit IDs that are greater than 00999.

Issues associated with the introduction of smart Meters

With the introduction of smart metering, the Data and Communications Company (DCC) will process requests from Suppliers to remotely switch registers and control load. In addition, it will send commands to be applied by the relevant smart Meter.

When a Meter Operator Agent (MOA) replaces an RTS Meter with a smart Meter, the Supplier can retain the Metering System on its existing RTS SSC. The MOA can then configure the smart Meter's switching calendar so that the load (and/or time-of-use registers) is set to the same time as the RTS group to which the Metering System previously belonged. However, this presents three problems:

- Assigning a non-RTS Metering System to an RTS SSC means that the Metering System will be mislabelled;
- Suppliers, Supplier Agents and Distribution System Operators (DSOs) will lose the distinction between smart Meters and teleswitch Meters and will be unable to track the migration of RTS Metering Systems; and
- When the RTS signals are eventually no longer broadcast for the RTS group in question, any Metering Systems left on the RTS SSC will no longer be settled correctly.

In February 2015, the Profiling and Settlement Review Group (PSRG) completed a project to identify ways to ensure accurate Settlement for dynamically-controlled load (and time-of-use registers) through smart Meters. The PSRG concluded that Half Hourly (HH) Settlement for dynamically-controlled load is the best longer-term option.

In the shorter term, Suppliers can treat dynamically switched smart Meters as static timeswitched (with an approximation in Settlement). Static or semi-static switching regimes already account for a significant majority of RTS Metering Systems, so Suppliers can move these Metering Systems to an equivalent timeswitched SSC.

At its 3 February 2015 meeting, the Supplier Volume Allocation Group (SVG) ([SVG168/09](#)) agreed with the PSRG's recommendations. It requested that Elexon raise a Change Proposal (CP) ([CP1443](#)) to mandate that Suppliers move smart Meters with dynamically- controlled load to a new (or existing) non-RTS SSC upon installation of a smart Meter.

Establishing valid SSCs

The main Supplier from the old Public Energy Supply (PES) regions tends to have the majority of the teleswitch customers on each SSC within each Grid Supply Point (GSP) Group. The SVG proposed that these Suppliers voluntarily map the SSCs for the GSP Groups that map to the old PES regions. We note that this would be voluntary although it is in all Suppliers' interests. The SVG has proposed that Elexon provides this central guidance to Suppliers on what a valid replacement SSC would be, and that Elexon collates and publishes the mappings on the BSC Website so that all Suppliers can refer to it.

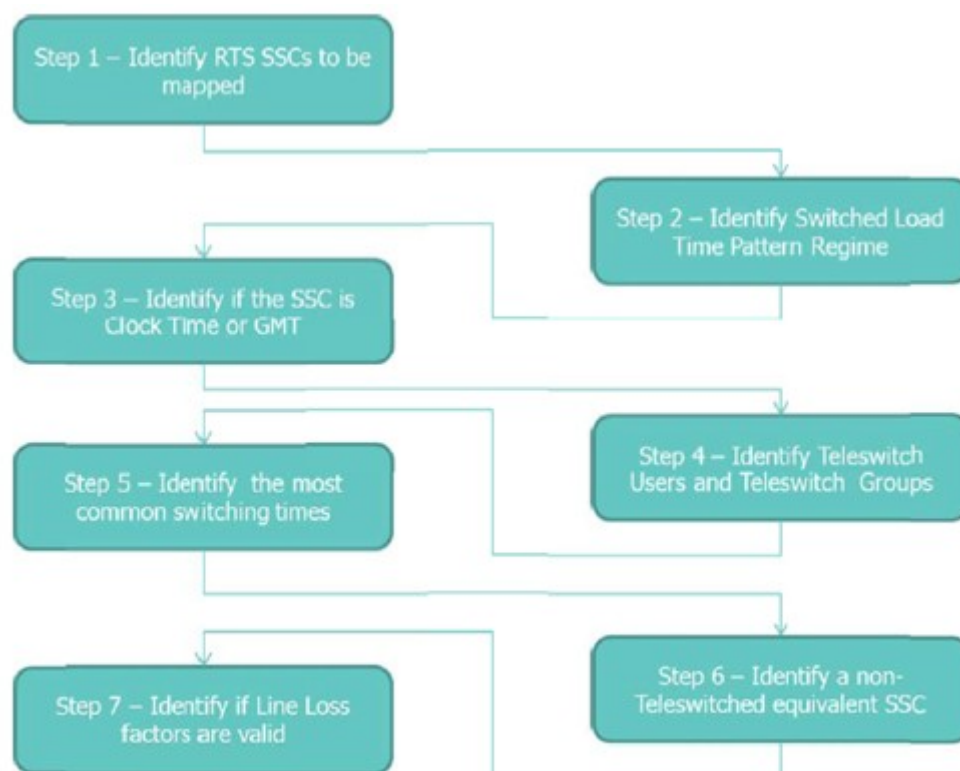
THE GUIDANCE

There are a number of sources of data that can assist in identifying suitable existing SSCs to map the existing RTS SSCs to. These sources are summarised as follows:

- The Electricity Networks Association (ENA) Teleswitch Quarterly Report data;
- Market Domain Data (MDD);
- The Teleswitch Contact Interval Data report File (D0279); and
- The Daily Profile Report (D0018) data.

If a suitable SSC cannot be identified, Suppliers should consider raising a new SSC with appropriate switching times.

The Process Steps

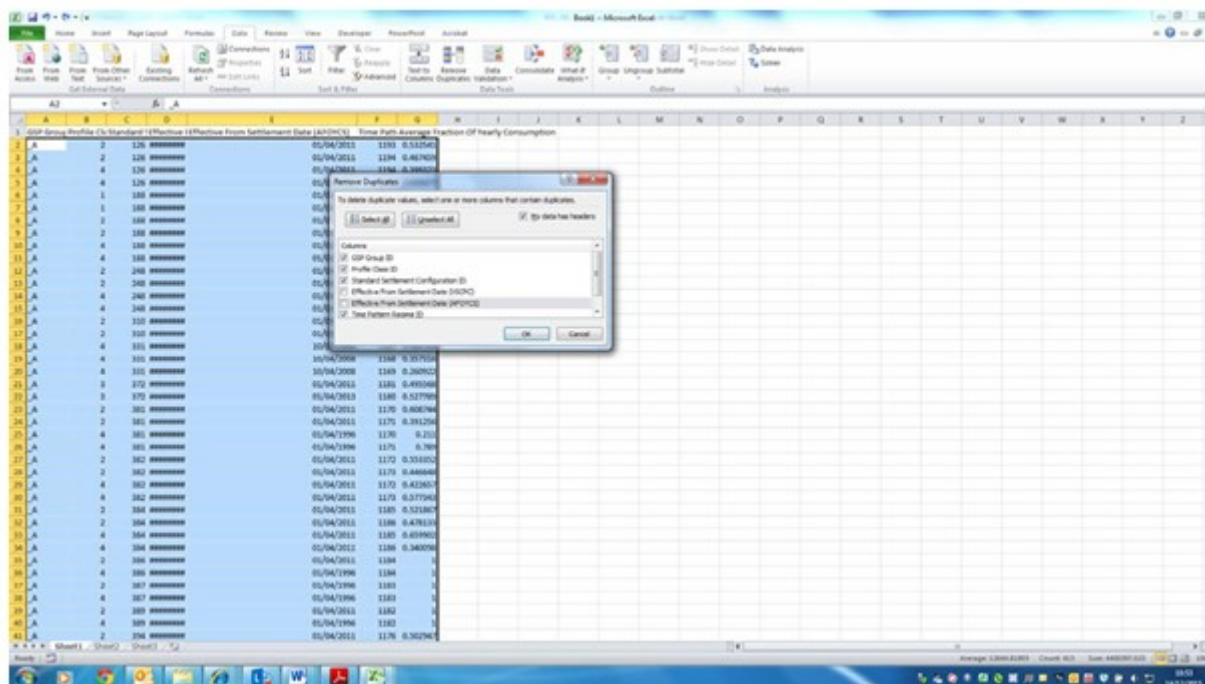


Radio Teleswitch – Standard Settlement Configuration Mapping

Step 1- How do I identify the SSCs that need to be mapped?

In order to Identify the SSCs that need to be mapped you should use the **Average Fraction of Yearly Consumption (AYFC) table** in MDD.

You need to filter by the GSP Group (you wish to consider) and by Time Pattern Regimes (TPRs) greater than 999. You can then remove duplicates by deselecting the effective dates and AYFCs using the remove duplicates function in Excel:



This will provide the list of SSCs to be mapped for the GSP group (of which this is an extract):

GSP Group ID	Profile Class ID	Standard S	Effective From Settlement Date (VSCPC)	Effective From Settlement Date (AFOYCS)	Time Patt	Average Fraction Of Yearly Consumption
_A		2 126	01/04/1996	01/04/2011	1193	0.532541
_A		2 126	01/04/1996	01/04/2011	1194	0.467459
_A		4 126	01/04/1996	01/04/2011	1194	0.399323
_A		4 126	01/04/1996	01/04/2011	1193	0.600677
_A		1 188	01/04/1996	01/04/2011	1191	0.369769
_A		1 188	01/04/1996	01/04/2011	1192	0.630231
_A		2 188	01/04/1996	01/04/2011	1191	0.411071
_A		2 188	01/04/1996	01/04/2011	1192	0.588929
_A		4 188	01/04/1996	01/04/2011	1191	0.338905
_A		4 188	01/04/1996	01/04/2011	1192	0.661095
_A		2 248	01/04/1996	01/04/2011	1174	0.49877
_A		2 248	01/04/1996	01/04/2011	1175	0.50123
_A		4 248	01/04/1996	01/04/1996	1174	0.272
_A		4 248	01/04/1996	01/04/1996	1175	0.728
_A		2 310	01/04/1996	01/04/2011	1155	0.260765
_A		2 310	01/04/1996	01/04/2011	1156	0.739235
_A		4 331	01/04/1996	10/04/2008	1167	0.381762
_A		4 331	01/04/1996	10/04/2008	1168	0.357316
_A		4 331	01/04/1996	10/04/2008	1169	0.260922

Step 2- How do I replicate Load Managed Area (LMA) SSC's and TPR's

Suppliers should refer to the designated Load Managed Area (LMA) notice as defined in DCUSA Schedule 8. The LMA notice will contain information to support Suppliers when replacing Radio Teleswitch (RTS) metering systems in a LMA where the current Load Switching Regimes should be replicated.

There are certain RTS metering systems that have separate Load Switching Regimes for space heating and water heating, whilst other RTS metering systems may have combined Load Switching Regimes for space heating and water heating or may simply switch space heating on its own.

In order to ensure RTS metering systems that are subject to a LMA notice are replaced with replicating Load Switching Regimes, it's important that Suppliers are aware of these differences and understand how the LMA notices provides the information to explain both the combined SSCs for Settlements, as well as the physical on-site meter configurations required to replicate existing LMA Load Switching Regimes.

The following LMA notice extracts explain how to interpret the notice when replacing RTS meter systems that are subject to an LMA notice.

Figure.1 displays the peak and off-peak configurations for general load, with existing and replicating Standard Settlement Configurations (SSC's), replicating Time Pattern Regimes (TPR's) and the time periods for peak and time periods for off-peak for either a one MPAN option or two MPAN.

Figure.1 – LMA notice example

Existing SSCs	Existing SSC for peak/off-peak	SSC for replicating peak/off-peak	SSC description for replicating peak/off-peak	TPR replicating peak	Time periods for peak	TPR replicating off-peak	Time periods for off-peak
0801& 0852	0801	0501	UR-Single MPAN GC1, 72, 73, 82	306	00:00-24:00	n/a	n/a
0801& 0852	0801	0801	Unrestricted	Unrestricted	Unrestricted	Unrestricted	Unrestricted

Figure.2 displays the space heating and water heating configurations with existing and replicating SSC's, the combined TPR time periods for space heating and water heating which can be used for Settlement purposes and the separate TPR time periods for space heating and water heating which can be used for physical on-site meter configurations for either a one MPAN option or two MPAN to replicate of existing Load Switching Regimes subject to a LMA notice.

Figure.2 – LMA notice example

Existing SSC for water and heat switched load	Combined SSC for replicating switched load	Combined SSC description for replicating switched load(s)	Combined TPR replicating switched load	Combined TPR time periods (in MDD) - Max	Time periods for switched load 1 - space heating - Max	Time periods for switched load 2 - water heating - Max	Notes
0852	n/a	n/a	n/a	n/a	00:00-07:30; 23:30-24:00	02:30-07:30	(One MPAN option) Combined SSC for peak/off peak, water and heat General use is unrestricted.
0852	0002	Clock Interval RTS GC1 Water and Heat	00205	00:00-07:30; 23:30-24:00	00:00-07:30; 23:30-24:00	02:30-07:30	(Two MPANs option) Combined SSC for peak/off peak, water and heat General use is unrestricted.

Step 3 - How do I identify the switched load TPR?

For the following worked example we will use SSC 0126 for Profile Class 2 in GSP Group _A.

You can identify the switched load TPRs by looking at the **Valid Measurement Requirement Profile Class table** in MDD. The switched load indicator is set to 'T' for 'True':

Profile Class ID	Standard Settlement Configuration ID	Time Pattern Regime ID	Effective From Settlement Date	Switched Load Indicator
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			(VSCPC)	
2	126	1193	01/04/1996	F
2	126	1194	01/04/1996	T

Step 4 - How will I know if switching times are in GMT or Clock Time?

All Teleswitch times are in Coordinated Universal Time (UTC). They are converted in Settlement to clock time during the British Summer Time (BST) period if the Greenwich Mean Time (GMT) Indicator in the **Time Pattern Regime table** in MDD is set to 'Y' for Yes;

Time Pattern Regime ID	Teleswitch/Clock Indicator	GMT Indicator
1193	S	Y
1194	S	Y

Step 5 - How do I identify the Teleswitch User Groups and Teleswitch Group Ids?

The **Teleswitch Time Pattern Regime table** in MDD provides this mapping:

Time Pattern Regime ID	Teleswitch User ID	Teleswitch Group ID	Teleswitch Switch ID
1193	5	99	A
1194	5	99	B

Step 6- How do I identify the most common switching times associated with each TPR?

There are several methods to identify switching times for Teleswitch TPRs.

Step 6A

High level indication can be obtained from the **ENA Teleswitch Quarterly Report**. (For example when looking at Teleswitch User Group 5 (see tab 05 at bottom of the file) and Teleswitch group id 99 you can see the operating window for the switched load and the switching length.) The **additional information** column can also provide useful context.

Group Code	RTS Contact	Regime (1)	Duration (hours)	Operating Window (2)	Additional Information
123	A	Dynamic	7	22:00 - 08:00	Not separately identified in Settlements. Always switched co-incidentally with Group Code 98; shared SSC. Dynamic switching of contactors is a maximum of 7 hours during operating window.
	B	Dynamic	7	22:00 - 08:00	
	C	Dynamic	7	22:00 - 08:00	
	D	Dynamic	7	22:00 - 08:00	
99	A	Dynamic	7	22:00 - 08:00	Dynamic switching of contactors is a maximum of 7 hours during operating window.
	B	Dynamic	7	22:00 - 08:00	
	C	Dynamic	7	22:00 - 08:00	
	D	Dynamic	7	22:00 - 08:00	
98	A	Dynamic	7	22:00 - 08:00	Dynamic switching of contactors is a maximum of 7 hours during operating window. Always switched co-incidentally with Group Codes 2, 3, 4 and 123.
	B	Dynamic	7	22:00 - 08:00	
	C	Dynamic	7	22:00 - 08:00	
	D	Dynamic	7	22:00 - 08:00	

So, after following steps 1-5A above for SSC 0126 in GSP group _A, we know we are looking for an SSC that switches for seven hours between 22:00 - 08:00 GMT.

Step 6B

For many SSCs a suitable non-teleswitch SSC may be easily identified if common regimes are known that match the required pattern.

For more detail you could look at D0018 Daily Profile Data Report. Stripping out the True (T) and False (F) values shows the switching pattern for each TPR. You need to note the time of year for the file you are looking at and should also look at weekday / weekend differences:

GSP	PC	SSC	TPR	00:30	01:00	01:30	02:00	02:30	03:00	03:30	04:00	04:30	05:00	05:30	06:00	06:30	07:00	07:30	08:00	08:30
_A	2	126	1193	T	T	F	F	F	F	F	F	F	F	F	F	F	F	F	F	T
_A	2	126	1194	F	F	T	T	T	T	T	T	T	T	T	T	T	T	T	T	F

Note the times in the header column above are the half-hour ending at that time. So, from following steps 1-5B above, we know that SSC 0126 in GSP group _A is a 01:00 to 08:00 GMT regime

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Step 6C

You can also look in the D0279 Teleswitch Contact Interval Data Report file to see the switching times associated with the TSU and TSG Searching the file TSU 5 and TSG 99:

TSG 99
TSC A F
TCI 010000 T
TCI 080000 F
TSC B F
TCI 010000 T
TCI 080000 F
TSC C F
TCI 010000 T
TCI 080000 F
TSC D F
TCI 010000 T
TCI 080000 F

From following steps 1-5C above, we can see that the times in the file show that all contacts for TSU 5 and TSG 99 switch from 01:00 to 08:00.

Step 7 - How do I identify a non-Teleswitch equivalent SSC?

There are several methods that should be used.

Step 7A

Using the D0018 Daily Profile Data Report data you could filter the 'Ts' and 'Fs' for TPRs (VMR (for Valid Measurement Requirement in the D0018 file) to find a matching pattern¹:

GSP	PC	SSC	TPR	00:30	01:00	01:30	02:00	02:30	03:00	03:30	04:00	04:30	05:00	05:30	06:00	06:30	07:00	07:30	08:00	08:30
A	2	152	45	T	T	F	F	F	F	F	F	F	F	F	F	F	F	F	F	T
A	2	152	211	F	F	T	T	T	T	T	T	T	T	T	T	T	T	T	T	F
A	2	153	46	T	T	F	F	F	F	F	F	F	F	F	F	F	F	F	F	T
A	2	153	212	F	F	T	T	T	T	T	T	T	T	T	T	T	T	T	T	F

As can be seen above that both SSC 0152 and SSC 0153 provide a matching pattern to SSC 0126 and are valid for the same Profile Class and GSP Group.

Step 7B

Having identified potentially valid SSCs, it is worth looking in the **Clock interval table** in MDD to confirm the switching times:

Time Pattern Regime ID	Day of the Week ID	Start Day	Start Month	End Day	End Month	Start Time	End Time
211	1	1	1	31	12	00:45	07:45
211	2	1	1	31	12	00:45	07:45
211	3	1	1	31	12	00:45	07:45
211	4	1	1	31	12	00:45	07:45
211	5	1	1	31	12	00:45	07:45
211	6	1	1	31	12	00:45	07:45
211	7	1	1	31	12	00:45	07:45
212	1	1	1	31	12	01:00	08:00
212	2	1	1	31	12	01:00	08:00
212	3	1	1	31	12	01:00	08:00
212	4	1	1	31	12	01:00	08:00
212	5	1	1	31	12	01:00	08:00
212	6	1	1	31	12	01:00	08:00
212	7	1	1	31	12	01:00	08:00

From the above it is clear that TPR 00211 switches at 00:45 until 07:45 which is then rounded from 01:00 to 08:00 in the D0018. TPR 00212 is an exact match, So the correct SSC for mapping purposes would be SSC 0153.

¹ It should be noted that more than one D0018 file maybe needed for this approach as some SSCs have weekday/ weekend or seasonal patterns.

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Step 7C

It is important to check that the data is the same time in both summer and winter by looking in the **Time Pattern Regime table** in MDD. If it does not match it could still be a valid mapping if the switching times fall within the operation window identified in the **ENA Teleswitch Quarterly Report**. You can look to see if there are other options or raise a new non-RTS SSC.

Time Pattern Regime ID	Teleswitch/Clock Indicator	GMT Indicator
46	C	Y
212	C	Y
1193	S	Y
1194	S	Y

Step 8 - How do I check the Line Loss Factors are valid?

Finally, it is worth checking that both SSCs can be used with the same Line Loss Factor Class ids. To do this look in the **Valid MTC_LLFC_SSC_PC Combination table** in MDD. This shows that both SSC 0126 and SSC 0153 can be used with LLFC ID of 7 and 43. If the LLFCs are not valid for the SSC then you will need to contact the LDSO and get a new SSC LLFC combination set up:

Meter Timeswitch Class ID	Market Participant ID	Standard Settlement Configuration ID	Line Loss Factor Class ID	Profile Class ID
126	EELC	153	7	2
126	EELC	153	43	2
176	EELC	126	7	2
176	EELC	126	43	2

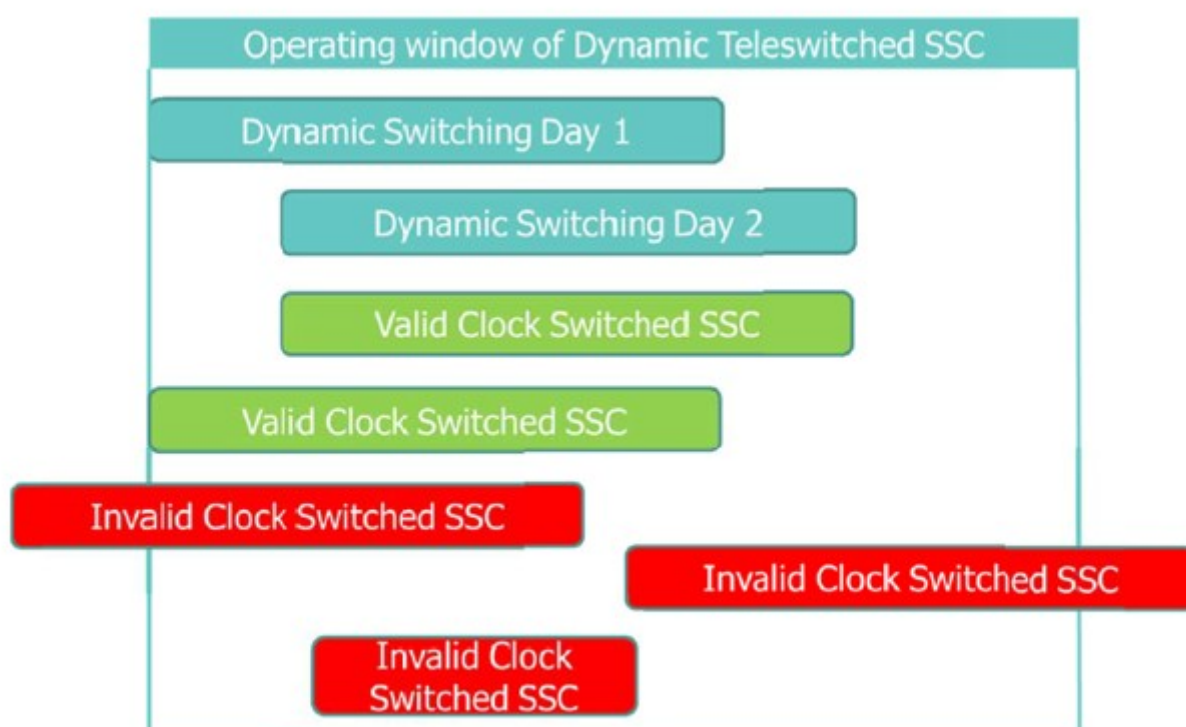
General Considerations

If the switched load period for an SSC falls within the operating window for the Teleswitched SSC (TSU and TSG) then it should be a valid mapping provided the timeswitch SSC is of the same duration.

Dynamically Teleswitched SSCs

Dynamically Teleswitched SSCs by definition will not have a matching time-switched SSC. If the dynamic switching needs to be retained the only option currently is to settle such customers on a Half-Hourly basis since profiling processes for Settlement cannot model the switching pattern without some form of feedback. If a non-dynamic non-Half Hourly (NHH) equivalent needs to be mapped then the closest time-switched SSC as possible should be identified or a new SSC should be raised for the appropriate combination. The ENA Teleswitch Quarterly Report provides guidance on whether SSCs are Dynamic, Static or Semi-Static. However, many potentially dynamic SSC are in fact set to static times. Appendix A contains a table giving our interpretation from previous work in this area.

For example a Dynamic SSC would map to an existing SSC provided all switching times for the existing SSC fall within the Operating window of the Dynamic SSC and is of the same switching length:



APPENDIX A

TS User	TS User Id	TS User Group	SSC	SSC Description	Interpretation
London	1	1	156	7-hour E7	static
London	1	2	157	7-hour E7	static
London	1	4	321	Evening/Weekend	Semi-Static
London	1	6	313	Domestic E9 A	static
London	1	6	324	Domestic E9 B	static
London	1	7	158	7-hour E7	static
London	1	9	245	7-hour night	static
South Eastern	2	7	160	7-hour E7	static
South Eastern	2	17	161	7-hour E7	static
South Eastern	2	27	162	7-hour E7	static
South Eastern	2	32	339	Local Authority Heating	Dynamic
South Eastern	2	33	329	Evening/Weekend E7	Semi-Static
South Eastern	2	34	340	Local Authority Heating	Dynamic
South Eastern	2	36	341	Local Authority Heating	Dynamic
South Eastern	2	37	163	7-hour E7	static
South Eastern	2	40	288	Budget Warmth	Dynamic
South Eastern	2	47	164	7-hour E7	static
South Eastern	2	48	165	7-hour E7	static
South Eastern	2	52	289	Budget Warmth	Dynamic
South Eastern	2	57	241	7-hour E7 (differential switching)	static
South Eastern	2	60	350	Warmwise heating	static
South Eastern	2	60	395	Warmwise Day/Night	static
South Eastern	2	67	166	7-hour E7	static
South Eastern	2	70	290	Budget Warmth	static
South Eastern	2	100	291	Budget Warmth	Dynamic
South Eastern	2	120	292	Budget Warmth	Dynamic
Southern	3	1	299	Budget Warmth	Dynamic
Southern	3	2	303	Budget Warmth	Dynamic
Southern	3	6	167	7-hour E7	static
Southern	3	7	168	7-hour E7	static
Southern	3	8	169	7-hour E7	static
Southern	3	9	170	7-hour E7	static
Southern	3	10	171	7-hour E7	static
Southern	3	11	172	7-hour E7	static
Southern	3	12	173	7-hour E7	static
Southern	3	17	174	7-hour E7	static
Southern	3	20	175	7-hour E7	static
Southern	3	29	300	Flexiheat Day/Evening/Weekend	Semi-static
Southern	3	29	351	Flexiheat heating	static
Southern	3	30	304	Budget Warmth	Dynamic
Southern	3	31	305	Domestic heating tariff	Dynamic
Southern	3	32	306	Domestic heating tariff	Dynamic
Southern	3	37	271	8-hour OP	static
Southern	3	38	272	8-hour OP	static
Southern	3	39	273	8-hour OP	static
Southern	3	40	307	Domestic heating tariff	Dynamic

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TS User	TS User Id	TS User Group	SSC	SSC Description	Interpretation
Southern	3	41	308	Domestic heating tariff	Dynamic
Southern	3	50	301	Flexiheat (weather) Day/Evening/Weekend	Semi-static
Southern	3	50	352	Flexiheat (weather) heating	Dynamic
Southern	3	51	309	Superdeal (weather) Day/Night	static
Southern	3	51	425	Superdeal (weather) heating	Dynamic
Southern	3	52	302	Superdeal Day/Night	static
Southern	3	52	353	Superdeal heating	static
Southern	3	70	10	10.5-hour OP	Dynamic
Southern	3	90	274	8-hour OP	static
Eastern	5	10	310	E10 type 1 (general purpose)	static
Eastern	5	10	401	E10 type 1(heating circuit)	static
Eastern	5	64	381	split 7-hour E7	static
Eastern	5	66	382	split 7-hour E7	static
Eastern	5	88	248	7-hour E7	static
Eastern	5	95	384	7-hour E7	static
Eastern	5	97	426	7-hour E7	static
Eastern	5	98	188	7-hour E7	static
Eastern	5	99	126	7-hour E7	static
East Midlands	6	40	358	split 10-hour Heatwise	Dynamic
East Midlands	6	41	359	split 10-hour Heatwise	Dynamic
East Midlands	6	42	360	split 10-hour Heatwise	Dynamic
East Midlands	6	43	361	split 10-hour Heatwise	Dynamic
East Midlands	6	44	362	split 10-hour Heatwise	Dynamic
East Midlands	6	45	363	split 10-hour Heatwise	Dynamic
East Midlands	6	46	364	split 10-hour Heatwise	Dynamic
East Midlands	6	47	365	split 10-hour Heatwise	Dynamic
East Midlands	6	48	366	split 10-hour Heatwise	Dynamic
East Midlands	6	49	367	split 10-hour Heatwise	Dynamic
East Midlands	6	50	368	split 10-hour Heatwise	Dynamic
East Midlands	6	51	369	split 10-hour Heatwise	Dynamic
East Midlands	6	52	370	split 10-hour Heatwise	Dynamic
East Midlands	6	53	371	split 10-hour Heatwise	Dynamic
East Midlands	6	70	189	7-hour E7	Dynamic
East Midlands	6	85	191	7-hour E7	Dynamic
East Midlands	6	86	192	7-hour E7	Dynamic
East Midlands	6	87	193	7-hour E7	Dynamic
East Midlands	6	88	194	7-hour E7	Dynamic
East Midlands	6	89	195	7-hour E7	Dynamic
East Midlands	6	90	196	7-hour E7	Dynamic
East Midlands	6	91	197	7-hour E7	Dynamic
East Midlands	6	92	198	7-hour E7	Dynamic
East Midlands	6	93	199	7-hour E7	Dynamic
East Midlands	6	101	385	split 7-hour E7	Dynamic
East Midlands	6	106	388	split 7-hour E7	Dynamic
Scottish Power	13	20	770	18-hour dynamic	Semi-static
Scottish Power	13	30	787	E7 accompanying Birmingham Weathercall	Dynamic
Scottish Power	13	30	788	Birmingham Weathercall	Dynamic

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TS User	TS User Id	TS User Group	SSC	SSC Description	Interpretation
Scottish Power	13	31	789	E7 accompanying Manchester Weathercall	Dynamic
Scottish Power	13	31	790	Manchester Weathercall	Dynamic
Scottish Power	13	32	791	E7 accompanying Anglesey Weathercall	Dynamic
Scottish Power	13	32	792	Anglesey Weathercall	Dynamic
Scottish Power	13	33			
Scottish Power	13	34			
Scottish Power	13	97	764	8.5 hour WM	Dynamic
Scottish Power	13	97	765	Weathercall heating	Dynamic
Scottish Power	13	98	766	8.5 hour WM	Dynamic
Scottish Power	13	98	767	Weathercall heating	Dynamic
Scottish Power	13	99	768	8.5 hour WM	Dynamic
Scottish Power	13	99	769	Weathercall heating	Dynamic
Scottish Power	13	100	752	8.5 hour WM	Dynamic
Scottish Power	13	100	753	Weathercall heating	Dynamic
Scottish Power	13	101	754	8.5 hour WM	Dynamic
Scottish Power	13	101	755	Weathercall heating	Dynamic
Scottish Power	13	102	756	8.5 hour WM	Dynamic
Scottish Power	13	102	757	Weathercall heating	Dynamic
Scottish Power	13	103	758	8.5 hour WM	Dynamic
Scottish Power	13	103	759	Weathercall heating	Dynamic
Scottish Power	13	104	760	8.5 hour WM	Dynamic
Scottish Power	13	104	761	Weathercall heating	Dynamic
Scottish Power	13	105	762	8.5 hour WM	Dynamic
Scottish Power	13	105	763	Weathercall heating	Dynamic
Scottish Power	13	109	793	8.5 hour WM	Semi-static
Scottish Power	13	109	794	8.5 hour WM Heating	Semi-static
Scottish Power	13	111	727	8.5 hour WM	Semi-static
Scottish Power	13	111	728	8.5 hour WM Heating	Semi-static
Scottish Power	13	112	729	8.5 hour WM	Semi-static
Scottish Power	13	112	730	8.5 hour WM Heating	Semi-static
Scottish Power	13	113	731	8.5 hour WM	Semi-static
Scottish Power	13	113	732	8.5 hour WM Heating	Semi-static
Scottish Power	13	114	733	8.5 hour WM	Semi-static
Scottish Power	13	114	734	8.5 hour WM Heating	Semi-static
Scottish Power	13	115	735	8.5 hour WM	Semi-static
Scottish Power	13	115	736	8.5 hour WM Heating	Semi-static
Scottish Power	13	116	737	8.5 hour WM	Semi-static
Scottish Power	13	116	738	8.5 hour WM Heating	Semi-static
Scottish Power	13	117	739	8.5 hour WM	Semi-static
Scottish Power	13	117	740	8.5 hour WM Heating	Semi-static
Scottish Power	13	118	741	8.5 hour WM	Semi-static
Scottish Power	13	118	742	8.5 hour WM Heating	Semi-static
Scottish Power	13	119	743	8.5 hour WM	Semi-static
Scottish Power	13	119	744	8.5 hour WM Heating	Semi-static
Scottish Power	13	120	745	8.5 hour WM	Semi-static
Scottish Power	13	120	746	8.5 hour WM Heating	Semi-static
Scottish Power	13	122	748	8.5 hour WM	Semi-static
Scottish Power	13	122	749	8.5 hour WM Heating	Semi-static

Radio Teleswitch – Standard Settlement Configuration Mapping

TS User	TS User Id	TS User Group	SSC	SSC Description	Interpretation
Scottish Hydro	14	15	802	Two rate with 8 hours night	Dynamic
Scottish Hydro	14	15	803	Dynamic	Dynamic
Scottish Hydro	14	16	804	Two rate with 8 hours night	Dynamic
Scottish Hydro	14	16	805	Dynamic	Dynamic
Scottish Hydro	14	17	806	Two rate with 8 hours night	Dynamic
Scottish Hydro	14	17	807	Dynamic	Dynamic
Scottish Hydro	14	18	850	Dynamic	Dynamic
Scottish Hydro	14	25	808	Two rate with 8 hours night	Dynamic
Scottish Hydro	14	25	809	Dynamic	Dynamic
Scottish Hydro	14	26	810	Two rate with 8 hours night	Dynamic
Scottish Hydro	14	26	811	Dynamic	Dynamic
Scottish Hydro	14	27	812	Two rate with 8 hours night	Dynamic
Scottish Hydro	14	27	813	Dynamic	Dynamic
Scottish Hydro	14	28	933	Two rate with 8 hours night	Dynamic
Scottish Hydro	14	28	934	Dynamic	static
Scottish Hydro	14	32	890	Dynamic	Dynamic
Scottish Hydro	14	35	814	Two rate with 8 hours night	Dynamic
Scottish Hydro	14	35	815	Dynamic	Dynamic
Scottish Hydro	14	36	816	Two rate with 8 hours night	Dynamic
Scottish Hydro	14	36	817	Dynamic	Dynamic
Scottish Hydro	14	37	818	Two rate with 8 hours night	Dynamic
Scottish Hydro	14	37	819	Dynamic	Dynamic
Scottish Hydro	14	38	851	Dynamic	Dynamic
Scottish Hydro	14	45	820	Two rate with 8 hours night	Dynamic
Scottish Hydro	14	45	821	Dynamic	Dynamic
Scottish Hydro	14	46	822	Two rate with 8 hours night	Dynamic
Scottish Hydro	14	46	823	Dynamic	Dynamic
Scottish Hydro	14	47	824	Two rate with 8 hours night	Dynamic
Scottish Hydro	14	47	825	Dynamic	Dynamic
Scottish Hydro	14	63	865	Two rate with 8 hours night	static
Scottish Hydro	14	63	866	Dynamic	static
Scottish Hydro	14	64	867	Two rate with 8 hours night	static
Scottish Hydro	14	64	868	Dynamic	static
Scottish Hydro	14	65	869	Two rate with 8 hours night	static
Scottish Hydro	14	65	870	Dynamic	static
Scottish Hydro	14	66	871	Two rate with 8 hours night	static
Scottish Hydro	14	66	872	Dynamic	static
Scottish Hydro	14	67	826	Two rate with 8 hours night	static
Scottish Hydro	14	67	827	Dynamic	static
Scottish Hydro	14	68	828	Two rate with 8 hours night	static
Scottish Hydro	14	68	829	Dynamic	static
Scottish Hydro	14	69	830	Two rate with 8 hours night	static
Scottish Hydro	14	69	831	Dynamic	static
Scottish Hydro	14	71	873	Two rate with 8 hours night	static
Scottish Hydro	14	71	874	Dynamic	static
Scottish Hydro	14	75	834	Two rate with 8 hours night	static
Scottish Hydro	14	75	835	Dynamic	static
Scottish Hydro	14	76	836	Two rate with 8 hours night	static

Radio Teleswitch – Standard Settlement Configuration Mapping

TS User	TS User Id	TS User Group	SSC	SSC Description	Interpretation
Scottish Hydro	14	76	837	Dynamic	static
Scottish Hydro	14	77	838	Two rate with 8 hours night	static
Scottish Hydro	14	77	839	Dynamic	static
Scottish Hydro	14	78	897	Dynamic	static
Scottish Hydro	14	79	898	Dynamic	static
Scottish Hydro	14	80	891	Dynamic	static
Scottish Hydro	14	81	875	Two rate with 8 hours night	static
Scottish Hydro	14	81	876	Dynamic	static
Scottish Hydro	14	94	840	Two rate with 8 hours night	static
Scottish Hydro	14	94	841	Dynamic	static
Scottish Hydro	14	95	842	Two rate with 8 hours night	static
Scottish Hydro	14	95	843	Dynamic	static
Scottish Hydro	14	96	844	Two rate with 8 hours night	static
Scottish Hydro	14	96	845	Dynamic	static
Scottish Hydro	14	97	892	Dynamic	static
Scottish Hydro	14	98	893	Dynamic	static
Scottish Hydro	14	110	877	Two rate with 8 hours night	static
Scottish Hydro	14	110	878	Dynamic	static
Scottish Hydro	14	111	879	Two rate with 8 hours night	static
Scottish Hydro	14	111	880	Dynamic	static
Scottish Hydro	14	120	881	Two rate with 8 hours night	static
Scottish Hydro	14	120	882	Dynamic	static
Scottish Hydro	14	121	883	Two rate with 8 hours night	static
Scottish Hydro	14	121	884	Dynamic	static
Scottish Hydro	14	122	885	Two rate with 8 hours night	static
Scottish Hydro	14	122	886	Dynamic	static
Scottish Hydro	14	123	846	Two rate with 8 hours night	static
Scottish Hydro	14	123	847	Dynamic	static
Scottish Hydro	14	124	848	Two rate with 8 hours night	static
Scottish Hydro	14	124	849	Dynamic	static
Scottish Hydro	14	125	887	Two rate with 8 hours night	static
Scottish Hydro	14	125	888	Dynamic	static

Further Information:

For more information please contact the [BSC Service Desk](#) or call **0370 010 6950**.

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