

The Voice of the Networks



Energy Networks Association

**Consultation on
Radio Teleswitch
Broadcasting Provision
from 1 January 2018**

June 2016

Consultation on Radio Teleswitch Broadcasting Provision from 1 January 2018

The Radio Teleswitch Broadcasting System is approaching the end of its currently available lifespan and may cease on 31 December 2017 unless arrangements to facilitate an extension to the service can be agreed. This consultation seeks views from industry parties, including Supplier Group Code Sponsors, Suppliers and Distribution Network Operators utilising Radio Teleswitch controlled equipment and Radio Teleswitch Access Providers, about whether the service is required from 1 January 2018 and if so how any available extension should be facilitated.

Energy Networks Association are the secretariat to the Radio Teleswitch Agreement and a function of this role is to procure services to enable the broadcasting of the signal used by the Radio Teleswitch Service.

The Radio Teleswitch System

The Radio Teleswitch system is an electricity meter and load control system that was developed to facilitate time of day electricity tariffs, including dynamic load switching capability. It was introduced in the early 1980s.

The system transmits a range of meter switching schedules by utilising the BBC long wave radio signal. The transmitted signal is received in consumer's premises by a radio teleswitch device which has been set to receive the signal for a particular switching schedule. When a signal is received the device synchronises its stored switching schedule with the newly received switching schedule. The radio teleswitch device will then follow the schedule, dynamically switching meter registers and ancillary load, until a schedule update is received.

Switching schedules for each teleswitch are identified by Group Codes. Teleswitches with the same group code will therefore respond simultaneously to the same schedule, save for a random offset to avoid demand surge. This functionality enables switching schedules for thousands of meter time switches to be updated on a dynamic basis without the need for a visit to the premises. In practice most schedules are operated in a static configuration, similar to a mechanical time switch where the switching schedules do not change.

Operation of the Radio Teleswitch System

In Great Britain the operation of this service was split between Suppliers, as Group Code Sponsors, and Distribution Network Operators, as Access Providers, in 1999.

Group Code Sponsors are responsible for establishing and reviewing the switching schedules of each Group Code they sponsor. Other Suppliers that supply electricity and use time switches configured with the same group code will see their customer's load switch at the same time.

Access Providers are responsible for maintaining and updating the switching schedules based on the Group Code Sponsor's instructions. Switching schedules are maintained using a web based interface with a central control unit. Group code sponsors tend not to change the timings and changes are generally only made for schedule changes due to Bank Holidays.

In Northern Ireland, Northern Ireland Electricity Networks installs and maintains Radio Teleswitch devices on behalf of all licenced suppliers operating in the province, in conjunction with the system operator for Northern Ireland.

Expected Life of the Service

In 1999, the legacy infrastructure was expected to remain in use until the end of long wave broadcasting by the BBC, with a view to terminating the service circa 2013. Subsequently a revised agreement was put in place which extends the currently available infrastructure to December 2017.

Contained within the revised agreement is a conditional possibility for parties to put in place an extension to March 2020. That extension is conditional on a review by the BBC to identify whether further extension is possible and the extent of any potential additional investment required.

The actual costs of providing the extension will be unknown until mid-2017. Indicative costs provided in the agreement state that additional investment will be no greater than £1,500,000 (RPI linked). This will be in addition to the current third party operational costs of approximately £1,000,000 per annum.

The Radio Teleswitch System has been inherently reliable during its 35+ years of service but the infrastructure is increasingly obsolete and a significant failure of signal provision is possible. While there is a conditional arrangement for service extension beyond 2017 this extension is only available for 27 months and indicatively at significant cost.

The Current Service Provision

In Great Britain each distribution service area has only one supplier sponsoring all of the Group Codes used in that distribution service area. Settlement arrangements allow other Suppliers to utilise these same switching schedules for their tariffs. The group code sponsor in any area is usually the original legacy supplier for that area as at the privatisation of the industry in 1990.

Settlement data indicates that the Radio Teleswitch service is currently used 'dynamically' to control approximately 190,000 Supplier's meters across the distribution areas. When used dynamically the switching schedules are changed frequently, normally daily, to control heating appliances for example.

The data also indicates that the Radio Teleswitch service is currently used 'semi-static' to control 105,000 Supplier's meters across the distribution areas. These 105,000 meters utilise the radio signal to change the switching schedules on an infrequent basis for example ahead of Bank Holidays or moving clock times from GMT to BST and reverse. These changes are where premises are assigned to Supplier tariffs where the Bank Holiday is treated as a weekend day rather than a week day and as the date they fall on varies each year, they must be separately configured or where the switching times are in clock-time rather than follow GMT.

Additionally there are a further 1,360,000 Supplier's meters which are on 'static' switching schedules. These are not dependent on daily signals and only rely on a signal to ensure that the switching schedules are synchronised. These meters are generally switching to the standard 'Economy 7' type switching times.

One network operator also uses the Radio Teleswitch system to a very limited extent for its own network management purposes.

Supplier's metering equipment controlled by the Radio Teleswitch Service can be identified by the standard Settlement Configurations listed in Appendix 1.

In Northern Ireland there are approximately 10,000 telemeters and 25,000 teleswitches presently in service which provide a variety of switching arrangements for supplier retail tariffs. These are also

used by the system operator for Northern Ireland as a means of managing load flows on the transmission system.

The Future

In Great Britain the Smart meter roll out is now underway and has the goal of offering every home a Smart meter by 2020. This roll out does not apply in Northern Ireland.

Smart metering technology enables switching schedules to be controlled and updated remotely. Advances in the technology enable these schedules to be controlled by the current supplier rather than the original legacy supplier.

However, it must be noted that consumers do not have to accept a smart meter, that there will be geographical locations where it is not economically viable to provide the Smart Metering Wide Area Network required to support smart meters, and delays to the availability of certain types of smart meter communications hubs. All of these factors are entirely relevant when considering the ongoing availability of the Radio Teleswitch System.

Access Provider's Position

The Access Providers in conjunction with the Energy Networks Association have held discussions regarding the next steps and timescales. While it has been suggested that extending the service to March 2020 is a viable option it is felt that due to a combination of factors including; the unknown reliability risk and increasing cost implications to be borne by consumers, that this is an option that some Access Providers cannot fully support.

Energy Suppliers have a duty to carry out their smart metering roll-out as efficiently as possible and in ideal circumstances Suppliers would actively front end the replacement of these Radio Teleswitch controlled meters with Smart meters as part of their roll out plans in order to minimise costs to consumers. It is questioned whether the continuing expenditure would constitute an appropriate cost for consumers to bear given the potential failure risk of the radio teleswitch infrastructure and the ever reducing volume of radio teleswitch controlled meters installed on the network.

However, we acknowledge that some Suppliers, for reasons of availability of suitable smart meters or otherwise, are planning to roll out load switching smart meters towards the end of the smart programme and may be dependent on the Radio Teleswitch Service continuing beyond the end of 2017. These Suppliers may decide to carry this risk and choose to facilitate the continuation of the service.

The current Access Providers have not been able to identify any obligation on them to continue to provide the Radio Teleswitch service past the currently available lifespan which would cease at the end of December 2017 if no further action is taken.

Taking this into consideration **we are consulting regarding ceasing the Access Provision on 31 December 2017 or how to facilitate extension from 1 January 2018 through to 31 March 2020.**

Perceived Impact On Suppliers Using Radio Teleswitch Equipment

We have identified the following possible scenarios:

1. The Radio Teleswitch service ceases on 31 December 2017
 - a. Suppliers would need to plan to front end Smart meter rollout to replace Radio Teleswitch controlled meters, and
 - b. Where replacement has not occurred, meter switching schedules will continue as scheduled or revert to a fallback programme at the loss of signal.
2. It is decided to extend the Radio Teleswitch service to March 2020

- a. By October/November 2016, Access Providers (which may need to include those Suppliers who wish to continue in place of an Access Provider) need to have an agreed approach and request the extension, and
 - b. By Summer 2017, information needs to have been received on possibility to extend and any potential additional investment required. Access Providers (which may need to include Suppliers) must agree access provision arrangements and distribution of funding, and
 - c. Smart meter rollout implemented to replace Radio Teleswitch controlled meters by March 2020, and
 - d. Where replacement has not occurred meter switching schedules will continue or revert to a fallback programme at the loss of signal.
3. The Radio Teleswitch service fails
- a. Meter switching schedules will continue as programmed or revert to a fallback programme at the loss of signal, depending on how set up when installed.

Consultation

We are seeking views from interested parties in regard to ceasing the Access Provision on 31 December 2017 or how to facilitate extension from 1 January 2018 through to 31 March 2020.

Questions

1. Do you understand the purpose for this consultation?
2. What is your company's current role or interest in the Radio Teleswitch Service?
3. Does your company have any need for the Radio Teleswitch Broadcasting Service to continue past 31 December 2017?
4. If you need the service to continue past 31 December 2017, how long would you need the service for?
5. If you are a Supplier;
 - a. How many of your time switches are Radio Teleswitches controlled using the broadcasting service?
 - b. What would be the effect on your consumer's switching schedules should the Radio Teleswitch Service cease?
6. If it is decided to extend the service, what is your view on how the cost of extending the service should be recovered? Options could include:
 - a. Socialised recovery across all network users,
 - b. Recovered only from MPANs with Radio Teleswitch SSCs,
 - c. Recovered only from network users who indicate a need for the service to continue.
7. Are there any other issues which haven't been captured?

Unless indicated as confidential all responses to this consultation will be published on the ENA website.

Responses

If you would like to respond to this consultation please send your responses to daniel.simpson@energynetworks.org by 17.00 on 5 August 2016.

Appendix 1 – Settlement configurations used by Radio Teleswitches

GSP Group Name	Standard Settlement Configuration	Standard Settlement Configuration Description	Group Code
East Midlands	357	split 10-hour Heatwise	39
East Midlands	358	split 10-hour Heatwise	40
East Midlands	359	split 10-hour Heatwise	41
East Midlands	360	split 10-hour Heatwise	42
East Midlands	361	split 10-hour Heatwise	43
East Midlands	362	split 10-hour Heatwise	44
East Midlands	363	split 10-hour Heatwise	45
East Midlands	364	split 10-hour Heatwise	46
East Midlands	365	split 10-hour Heatwise	47
East Midlands	366	split 10-hour Heatwise	48
East Midlands	367	split 10-hour Heatwise	49
East Midlands	368	split 10-hour Heatwise	50
East Midlands	369	split 10-hour Heatwise	51
East Midlands	370	split 10-hour Heatwise	52
East Midlands	371	split 10-hour Heatwise	53
East Midlands	189	7-hour E7	70
East Midlands	332	Evening/Weekend E7	75
East Midlands	190	7-hour E7	80
East Midlands	191	7-hour E7	85
East Midlands	192	7-hour E7	86
East Midlands	193	7-hour E7	87
East Midlands	194	7-hour E7	88
East Midlands	195	7-hour E7	89
East Midlands	196	7-hour E7	90
East Midlands	197	7-hour E7	91
East Midlands	198	7-hour E7	92
East Midlands	199	7-hour E7	93
East Midlands	385	split 7-hour E7	101
East Midlands	388	split 7-hour E7	106
Eastern	401	E10 type 1(heating circuit)	10
Eastern	310	E10 type 1 (general purpose)	10
Eastern	465	Weekender Tariff (V2)	12
Eastern	405	Redring Boiler (heating circuit)	18
Eastern	404	Redring Boiler (general purpose)	18
Eastern	437	Lifestyle Tariff	24
Eastern	331	Evening/Weekend E7	33
Eastern	381	split 7-hour E7	64
Eastern	382	split 7-hour E7	66
Eastern	248	7-hour E7	88
Eastern	394	10-hour night	89
Eastern	403	12-hour night	90
Eastern	372	Evening/Weekend	91
Eastern	389	12.5-hour OP	92
Eastern	387	15.5-hour OP	93
Eastern	386	9-hour OP	94
Eastern	384	7-hour E7	95
Eastern	426	7-hour E7	97
Eastern	188	7-hour E7	98
Eastern	126	7-hour E7	99

GSP Group Name	Standard Settlement Configuration	Standard Settlement Configuration Description	Group Code
London	156	7-hour E7	1
London	157	7-hour E7	2
London	321	Evening/Weekend	4
London	324	Domestic E9 B	6
London	313	Domestic E9 A	6
London	158	7-hour E7	7
London	263	8-hour night	8
London	245	7-hour night	9
Merseyside and North Wales	445	7-hour variable E7	6
Merseyside and North Wales	446	7-hour variable E7	7
Merseyside and North Wales	123	2-rate variable SToD	8
Merseyside and North Wales	130	3-rate variable	10
Merseyside and North Wales	131	3-rate variable	15
Merseyside and North Wales	125	2-rate variable SToD	16
Merseyside and North Wales	254	7-hour variable E7 (Menter B)	31
Merseyside and North Wales	124	2-rate variable SToD	32
Merseyside and North Wales	255	7-hour variable E7 (Menter A)	63
Merseyside and North Wales	396	2-rate SToD	64
Merseyside and North Wales	187	7-hour E7	127
Midlands	201	7-hour E7	85
Midlands	202	7-hour E7	86
Midlands	203	7-hour E7	87
Midlands	204	7-hour E7	88
Midlands	205	7-hour E7	89
Midlands	206	7-hour E7	90
Midlands	207	7-hour E7	91
Midlands	208	7-hour E7	92
North Scotland	852	Two rate with 8 hours night	1
North Scotland	859	Two rate with 8 hours night	11
North Scotland	803	Dynamic	15
North Scotland	802	Two rate with 8 hours night	15
North Scotland	805	Dynamic	16
North Scotland	804	Two rate with 8 hours night	16
North Scotland	807	Dynamic	17
North Scotland	806	Two rate with 8 hours night	17
North Scotland	850	Dynamic	18
North Scotland	857	Two rate with 8 hours night	21
North Scotland	809	Dynamic	25
North Scotland	808	Two rate with 8 hours night	25
North Scotland	811	Dynamic	26
North Scotland	810	Two rate with 8 hours night	26
North Scotland	813	Dynamic	27
North Scotland	812	Two rate with 8 hours night	27

GSP Group Name	Standard Settlement Configuration	Standard Settlement Configuration Description	Group Code
North Scotland	934	Dynamic	28
North Scotland	933	Two rate with 8 hours night	28
North Scotland	860	Two rate with 8 hours night	31
North Scotland	890	Dynamic	32
North Scotland	815	Dynamic	35
North Scotland	814	Two rate with 8 hours night	35
North Scotland	817	Dynamic	36
North Scotland	816	Two rate with 8 hours night	36
North Scotland	819	Dynamic	37
North Scotland	818	Two rate with 8 hours night	37
North Scotland	851	Dynamic	38
North Scotland	858	Two rate with 8 hours night	41
North Scotland	929	11 Hours OP	42
North Scotland	821	Dynamic	45
North Scotland	820	Two rate with 8 hours night	45
North Scotland	823	Dynamic	46
North Scotland	822	Two rate with 8 hours night	46
North Scotland	825	Dynamic	47
North Scotland	824	Two rate with 8 hours night	47
North Scotland	861	Two rate with 8 hours night	51
North Scotland	930	11 Hours OP	52
North Scotland	863	Two rate with 8 hours night	61
North Scotland	931	11 Hours OP	62
North Scotland	866	Dynamic	63
North Scotland	865	Two rate with 8 hours night	63
North Scotland	868	Dynamic	64
North Scotland	867	Two rate with 8 hours night	64
North Scotland	870	Dynamic	65
North Scotland	869	Two rate with 8 hours night	65
North Scotland	872	Dynamic	66
North Scotland	871	Two rate with 8 hours night	66
North Scotland	827	Dynamic	67
North Scotland	826	Two rate with 8 hours night	67
North Scotland	829	Dynamic	68
North Scotland	828	Two rate with 8 hours night	68
North Scotland	831	Dynamic	69
North Scotland	830	Two rate with 8 hours night	69
North Scotland	874	Dynamic	71
North Scotland	873	Two rate with 8 hours night	71
North Scotland	853	Two rate with 8 hours night	72
North Scotland	854	Two rate with 8 hours night	73
North Scotland	833	Dynamic	74
North Scotland	832	Two rate with 8 hours night	74
North Scotland	835	Dynamic	75
North Scotland	834	Two rate with 8 hours night	75
North Scotland	837	Dynamic	76
North Scotland	836	Two rate with 8 hours night	76
North Scotland	839	Dynamic	77
North Scotland	838	Two rate with 8 hours night	77
North Scotland	897	Dynamic	78
North Scotland	898	Dynamic	79

GSP Group Name	Standard Settlement Configuration	Standard Settlement Configuration Description	Group Code
North Scotland	891	Dynamic	80
North Scotland	876	Dynamic	81
North Scotland	875	Two rate with 8 hours night	81
North Scotland	855	Two rate with 8 hours night	82
North Scotland	856	Two rate with 8 hours night	83
North Scotland	862	Two rate with 8 hours night	91
North Scotland	841	Dynamic	94
North Scotland	840	Two rate with 8 hours night	94
North Scotland	843	Dynamic	95
North Scotland	842	Two rate with 8 hours night	95
North Scotland	845	Dynamic	96
North Scotland	844	Two rate with 8 hours night	96
North Scotland	892	Dynamic	97
North Scotland	893	Dynamic	98
North Scotland	864	Two rate with 8 hours night	101
North Scotland	878	Dynamic	110
North Scotland	877	Two rate with 8 hours night	110
North Scotland	880	Dynamic	111
North Scotland	879	Two rate with 8 hours night	111
North Scotland	882	Dynamic	120
North Scotland	881	Two rate with 8 hours night	120
North Scotland	884	Dynamic	121
North Scotland	883	Two rate with 8 hours night	121
North Scotland	886	Dynamic	122
North Scotland	885	Two rate with 8 hours night	122
North Scotland	847	Dynamic	123
North Scotland	846	Two rate with 8 hours night	123
North Scotland	849	Dynamic	124
North Scotland	848	Two rate with 8 hours night	124
North Scotland	888	Dynamic	125
North Scotland	887	Two rate with 8 hours night	125
North West	476	14.5 hr o/p	1
North West	477	14.5 hr o/p	2
North West	474	split 7hr o/p	3
North West	231	split 7-hour E7	3
North West	937	Split 10 hr E10	10
North West	233	split 7-hour E7	22
North West	140	split 7-hour E7	23
North West	234	split 7-hour E7	33
North West	235	split 7-hour E7	34
North West	236	split 7-hour E7	35
North West	237	split 7-hour E7	36
North West	238	7-hour E7	37
North West	475	Split 7hr E7	42
North West	473	Economy 7 - all purpose tariff G63	58
North West	478	Evening/Weekend E7	61
North West	355	Smart 7, Day/Night	92
North West	149	Smart 7, heating	92
Northern	224	7-hour E7	21
Northern	225	7-hour E7	22
Northern	226	7-hour E7	23

GSP Group Name	Standard Settlement Configuration	Standard Settlement Configuration Description	Group Code
Northern	227	7-hour E7	24
Northern	228	Supertariff heating	35
Northern	229	Supertariff heating	36
Northern	230	7-hour E7	37
Northern	287	Boiler	38
Northern	338	Heating	40
Northern	297	Budget Warmth	61
Northern	298	Budget Warmth	62
South East	160	7-hour E7	7
South East	283	9-hour night (differential switching)	9
South East	161	7-hour E7	17
South East	162	7-hour E7	27
South East	328	Evening/Weekend E7	30
South East	329	Evening/Weekend E7	33
South East	163	7-hour E7	37
South East	164	7-hour E7	47
South East	165	7-hour E7	48
South East	241	7-hour E7 (differential switching)	57
South East	395	Warmwise Day/Night	60
South East	350	Warmwise heating	60
South East	166	7-hour E7	67
South Scotland	770	18-hour dynamic	20
South Scotland	788	Birmingham Weathercall	30
South Scotland	787	E7 accompanying Birmingham W'call	30
South Scotland	790	Manchester Weathercall	31
South Scotland	789	E7 accompanying Manchester W'call	31
South Scotland	792	Anglesey Weathercall	32
South Scotland	791	E7 accompanying Anglesey W'call	32
South Scotland	765	Weathercall heating	97
South Scotland	764	8.5 hour WM	97
South Scotland	767	Weathercall heating	98
South Scotland	766	8.5 hour WM	98
South Scotland	769	Weathercall heating	99
South Scotland	768	8.5 hour WM	99
South Scotland	753	Weathercall heating	100
South Scotland	752	8.5 hour WM	100
South Scotland	755	Weathercall heating	101
South Scotland	754	8.5 hour WM	101
South Scotland	757	Weathercall heating	102
South Scotland	756	8.5 hour WM	102
South Scotland	759	Weathercall heating	103
South Scotland	758	8.5 hour WM	103
South Scotland	761	Weathercall heating	104
South Scotland	760	8.5 hour WM	104
South Scotland	763	Weathercall heating	105
South Scotland	762	8.5 hour WM	105
South Scotland	794	8.5 hour WM Heating	109
South Scotland	793	8.5 hour WM	109
South Scotland	728	8.5 hour WM Heating	111
South Scotland	727	8.5 hour WM	111
South Scotland	730	8.5 hour WM Heating	112

GSP Group Name	Standard Settlement Configuration	Standard Settlement Configuration Description	Group Code
South Scotland	729	8.5 hour WM	112
South Scotland	732	8.5 hour WM Heating	113
South Scotland	731	8.5 hour WM	113
South Scotland	734	8.5 hour WM Heating	114
South Scotland	733	8.5 hour WM	114
South Scotland	736	8.5 hour WM Heating	115
South Scotland	735	8.5 hour WM	115
South Scotland	738	8.5 hour WM Heating	116
South Scotland	737	8.5 hour WM	116
South Scotland	740	8.5 hour WM Heating	117
South Scotland	739	8.5 hour WM	117
South Scotland	742	8.5 hour WM Heating	118
South Scotland	741	8.5 hour WM	118
South Scotland	744	8.5 hour WM Heating	119
South Scotland	743	8.5 hour WM	119
South Scotland	746	8.5 hour WM Heating	120
South Scotland	745	8.5 hour WM	120
South Scotland	747	8.5 hour WM	121
South Scotland	749	8.5 hour WM Heating	122
South Scotland	748	8.5 hour WM	122
South Scotland	782	8.5 hour WM	123
South Scotland	722	8.5 hour WM	123
South Scotland	783	8.5 hour WM	124
South Scotland	723	8.5 hour WM	124
South Scotland	784	8.5 hour WM	125
South Scotland	724	8.5 hour WM	125
South Scotland	785	8.5 hour WM	126
South Scotland	725	8.5 hour WM	126
South Scotland	786	8.5 hour WM	127
South Scotland	726	8.5 hour WM	127
South Wales	323	Evening/Weekend	1
South Wales	209	7-hour E7	2
South Wales	247	7-hour night	3
South Wales	253	7-hour OP	4
South Wales	390	split 7-hour E7	8
South Wales	479	Split 7-hour E7	16
South Wales	210	7-hour E7	31
South Wales	480	Split 7-hour E7	32
South Wales	481	Split 7-hour E7	50
South Wales	211	7-hour E7	63
South Wales	212	7-hour E7	64
South Wales	213	7-hour E7	127
South West	427	Day/Night (White meter)	9
South West	62	8-hour OP (see also SSC 427)	9
South West	342	Dom & Non-dom Seasonal (link SSC 0128)	52
South West	128	Dom/Non-dom Seasonal (link SSC 0342)	52
South West	448	7-hour OP	53
South West	176	7-hour E7	53
South West	449	7-hour OP	54
South West	177	7-hour E7	54
South West	450	7-hour OP	55

GSP Group Name	Standard Settlement Configuration	Standard Settlement Configuration Description	Group Code
South West	178	7-hour E7 (Cornwall & def reinforcement)	55
South West	346	Non-Standard OP (8+3 hour)	56
South West	343	3-rate heating, water heating	57
South West	334	3-rate heating, (link SSC 0343)	57
South West	345	7-hour E7, Day + Night (link SSC 0344)	59
South West	344	7-hour E7, Day + Night (link SSC 0345)	59
South West	451	7-hour OP	71
South West	179	7-hour E7	71
South West	452	7-hour OP	72
South West	180	7-hour E7	72
South West	453	7-hour OP	73
South West	181	7-hour E7	73
South West	454	7-hour OP	74
South West	182	7-hour E7	74
South West	455	7-hour OP	75
South West	183	7-hour E7	75
South West	456	7-hour OP	76
South West	184	7-hour E7	76
South West	459	7-hour OP	77
South West	432	7-hour E7	77
South West	185	7-hour E7	98
South West	148	7-hour OP (see also SSC 0185)	98
South West	312	7-hour OP (see also SSC 186)	99
South West	186	7-hour E7	99
Southern	299	Budget Warmth	1
Southern	303	Budget Warmth	2
Southern	936	Split 10 hr E10	3
Southern	167	7-hour E7	6
Southern	168	7-hour E7	7
Southern	169	7-hour E7	8
Southern	170	7-hour E7	9
Southern	171	7-hour E7	10
Southern	172	7-hour E7	11
Southern	173	7-hour E7	12
Southern	264	8-hour night	16
Southern	174	7-hour E7	17
Southern	322	Evening/Weekend	18
Southern	330	Evening/Weekend E7	19
Southern	175	7-hour E7	20
Southern	351	Flexiheat heating	29
Southern	300	Flexiheat Day/Evening/Weekend	29
Southern	304	Budget Warmth	30
Southern	305	Domestic heating tariff	31
Southern	306	Domestic heating tariff	32
Southern	271	8-hour OP	37
Southern	272	8-hour OP	38
Southern	273	8-hour OP	39
Southern	307	Domestic heating tariff	40
Southern	308	Domestic heating tariff	41
Southern	352	Flexiheat (weather) heating	50
Southern	301	Flexiheat (weather) Day/Evening/Weekend	50

GSP Group Name	Standard Settlement Configuration	Standard Settlement Configuration Description	Group Code
Southern	425	Superdeal (weather) heating	51
Southern	309	Superdeal (weather) Day/Night	51
Southern	353	Superdeal heating	52
Southern	302	Superdeal Day/Night	52
Southern	10	10.5-hour OP	70
Southern	64	12-hour OP	80
Southern	66	12-hour OP + Summer	81
Southern	86	14.5-hour OP	82
Southern	94	14.5-hour OP + Summer	83
Southern	87	14.5-hour OP	84
Southern	95	14.5-hour OP + Summer	85
Southern	9	10.5-hour OP	86
Southern	11	10.5-hour OP	87
Southern	88	14.5-hour OP	88
Southern	96	14.5-hour OP + Summer	89
Southern	274	8-hour OP	90
Southern	12	10.5-hour OP	91
Yorkshire	214	7-hour E7	0
Yorkshire	215	7-hour E7	1
Yorkshire	216	7-hour E7	2
Yorkshire	217	7-hour E7	3
Yorkshire	218	7-hour E7	4
Yorkshire	219	7-hour E7	5
Yorkshire	220	7-hour E7	6
Yorkshire	221	7-hour E7	7
Yorkshire	222	7-hour E7	8
Yorkshire	223	7-hour E7	9
Yorkshire	397	9-hour heating	30
Yorkshire	276	8-hour OP	45
Yorkshire	110	15.5-hour OP	50
Yorkshire	117	15.5-hour OP + w/e	55
Yorkshire	119	15.5-hour OP + w/e & Summer	56
Yorkshire	249	7-hour night	60