

ELECTRICITY SUPPLY EMERGENCY CODE 2014

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1. Introduction

1.1 The purpose of the Electricity Supply Emergency Code (ESEC) is to describe the steps which UK Government might take to deal with an electricity supply emergency of the kind envisaged under section 96(7) of the Electricity Act 1989 or section 3(1)(b) of the Energy Act 1976. It also sets out the actions, which companies in the electricity industry should plan to take and which may be needed or required in order to deal with such an emergency.

1.2 The actions described here are not used to handle sudden shortfalls in generation. Nor are they used to deal with day-to-day repair and recovery of faulty or damaged parts of the transmission and distribution systems. Such problems are handled by the National Electricity Transmission System Operator (NETSO) and the Distribution Network Operators (DNO's) using powers available to them in the Grid Code and/or in company emergency recovery plans. However, if there is long-term damage to the systems or prolonged shortfalls in generation, no matter how caused, the NETSO and DNO's might look to UK Government to implement the arrangements and powers described here. Likewise, if a problem is looming and might be solved or ameliorated by early action, then ESEC or aspects of it would be considered.

1.3 ESEC enables in the event of an emergency, an equal distribution of supply to customers in as far as it is technically possible to do so. It also ensures that local protected customers maintain supplies for as long as possible.

1.4 Should these measures ever need to be introduced, it is very likely that there would also be appeals to the public and industry to reduce demand.

1.5 ESEC is subject to continual development, review and test. The Energy Emergencies Executive Committee (E3C) is responsible for carrying out this work.

1.6 The E3C will continually review ESEC and advise the Department of Energy and Climate Change Secretary of State (SofS) of any amendments it considers appropriate. Section 96 of the Electricity Act 1989 requires the SofS to consult those to whom directions are to be issued before issuing them. If the SofS proposes to make any amendments to the ESEC, the SofS will consult with the E3C and with the Network Operators and licensed generators to whom directions under section 96 of the Electricity Act 1989 have been, or are to be, issued. In consulting them, the SofS will set out in detail the amendments proposed, together with an explanation. The SofS will take account of comments on the proposed modifications before deciding whether to amend the Code.

2. Definitions of terms used in ESEC

"**Activation Schedule(s)**" means a schedule of confirmations for activating [or not] each load block's actual disconnection or reconnection together with the detailed timing for load block switchovers. Activation Schedules are issued by the NETSO and shall be treated as a set of instructions for implementation by the Network Operators. Activation Schedules are derived from the Adopted Rota Plan.

"**Adopted Rota Plan**" means the Rota Plan decided upon by the DECC ERT for use by the NETSO to derive Activation Schedules.

"**associated load**" means electricity which, when a protected customer is being supplied, is unavoidably supplied to a customer who is not protected;

"**blocks**" each Network Operator electricity network is divided into 18 x 5% load blocks, each load block has a suffix letter attributed to it A,B,C,D etc. All connected customers are assigned to block code letter corresponding to where they are connected to the electricity network.

"**discrete feeder**" means an electrical high voltage circuit, which is used solely to connect an individual customer to a point of supply on the network operator's system. This circuit must be capable of being protected from disconnection by the ability to switch the remaining circuits connected to the point of supply by either local or remote operation from a network operator's location, which is normally continuously manned;

"**COBR**" means Cabinet Office Briefing Room;

"**electricity supply emergency**" means an emergency affecting electricity supplies, which makes it necessary that the UK Government should temporarily have at its disposal exceptional powers for controlling the sources and availability of energy;

"**E3C**" means Energy Emergencies Executive Committee

"**DECC**" means the Department of Energy and Climate Change;

"**DECC ERT**" means the Emergency Response Team within the Department of Energy and Climate Change;

"**licensed generator**" means any person who is authorised by a licence under section 6(1)(a) of the Electricity Act 1989 to generate electricity;

"Network Operator" means any licensed distributor and any person who is authorised by a licence under section 6(1)(b) and section 6(1)(c) of the Electricity Act 1989 to transmit and to distribute electricity;

"NETSO" means National Electricity Transmission System Operator

"protected customer/customer" means any person whose name appears on one of the lists of protected customers, which under paragraph 5.5 of this Code is to be compiled and kept up to date;

"rota plan" means one of 18 Rota Plans that set out the sequence of load block disconnections/reconnections. Together the Rota Plans are another way of illustrating the content of the Variable Rota Disconnection Plan. A Rota Plan, once it has become the Adopted Rota Plan is used by the NETSO to derive Activation Schedules.

"rota disconnection procedures" means pre-prepared plans held and produced by each Network Operator. They take into account the local network configuration, physical characteristics & limitations, Load Blocks, Protected customers and the Control Tools used to operate the network.

"standby generation" means electricity generation equipment which is capable of providing a supply of electricity adequate for the continuation of activities which are the subject of the "V" and "F" lists or, as regards the "O" list, adequate to avoid damage to plant or for the operation of a continuous manufacturing process.

"VRDP" Variable Rota Disconnection Plan the core plan used to establish the disconnection and reconnection of electricity supplies under an electricity supply emergency.

3. Overview of emergency actions

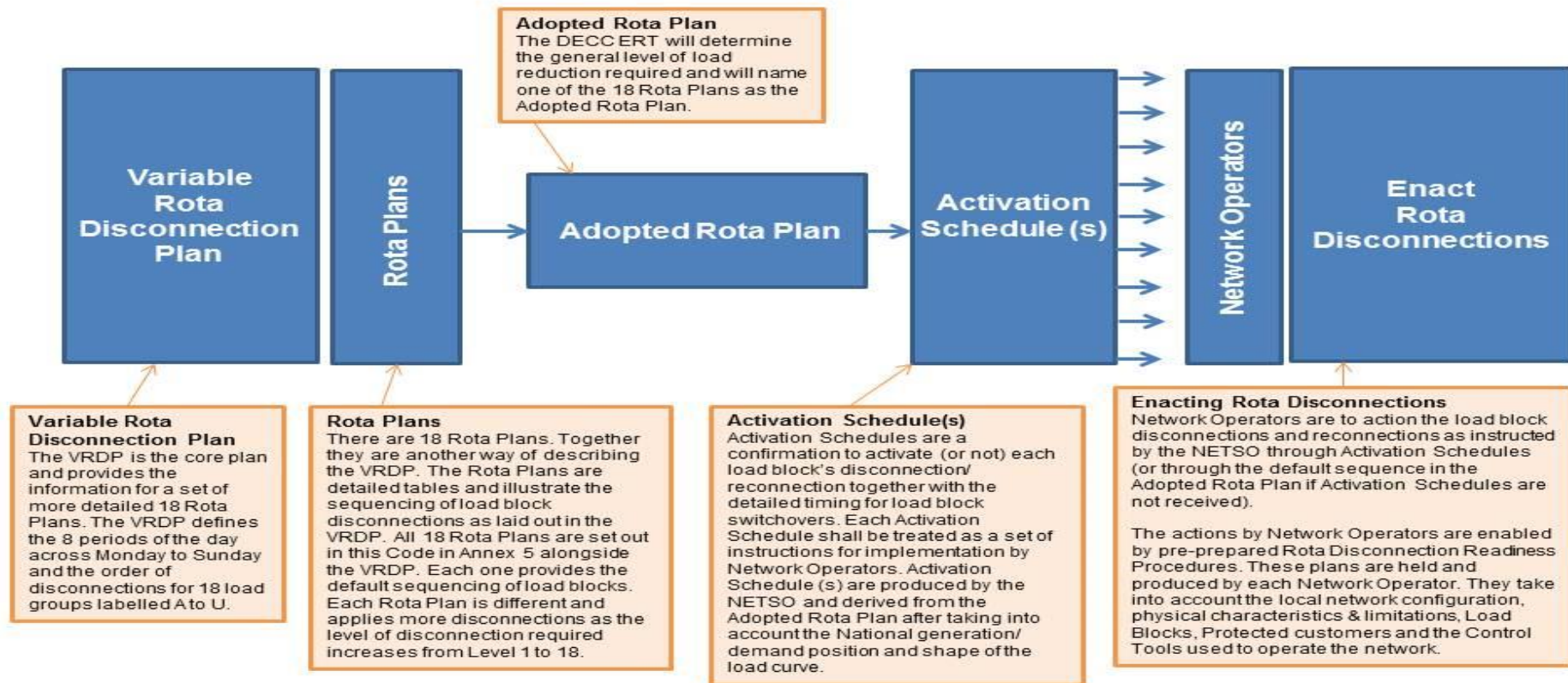


Figure 1. Key elements of the rota disconnection process together with descriptions

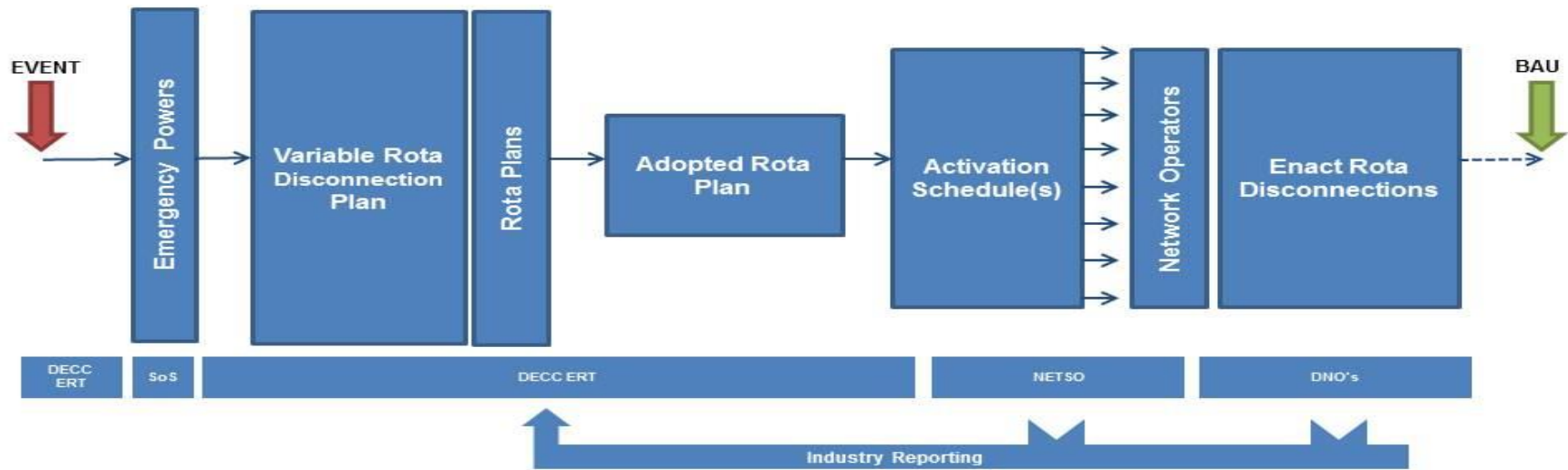


Figure 2. Overview of the emergency process from Event initiation to Business as Usual

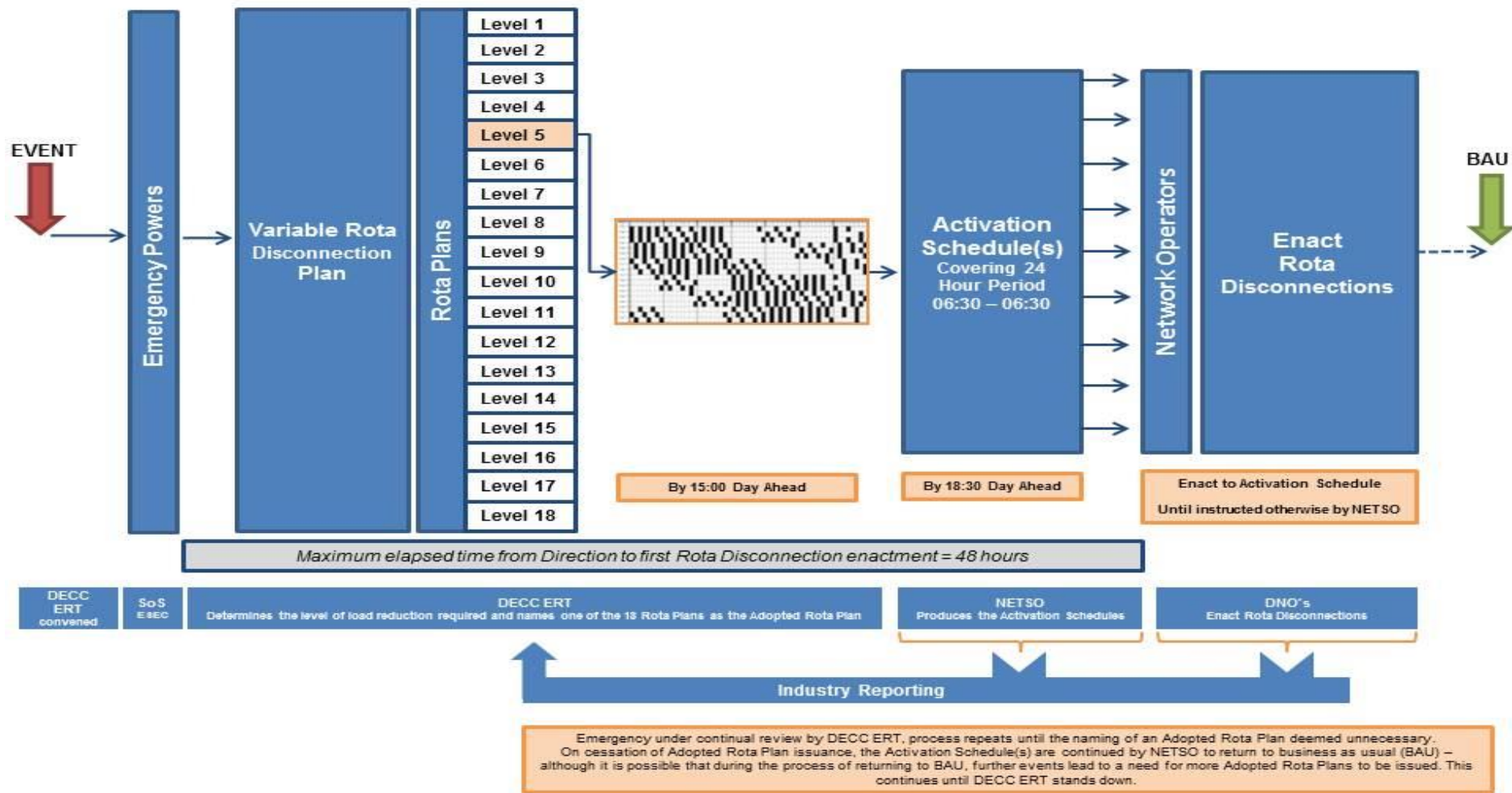


Figure 3. Detailed emergency process from Event initiation to Business as Usual

4. When and how ESEC will be used

4.1 In an electricity supply emergency it may be necessary to restrict customers' consumption of electricity. Restrictions on the consumption of electricity over the longer term can be achieved by one or more of the following methods:

- a) appeals by UK Government to the public for voluntary restraint;
- b) the issue of Orders or Directions under the Energy Act 1976 requiring restrictions on consumption by industry, commerce and other undertakings;
- c) the issue of directions under the Energy Act 1976 or the Electricity Act 1989 requiring rota disconnections and associated restrictions.

4.2 Orders and directions issued under the Energy Act 1976 or the Electricity Act 1989 to restrict consumption by industrial, commercial and other customers may contain a Schedule exempting certain premises and purposes from the scope of the order or direction. The categories exempted in these are likely to be more extensive than the categories of customers protected from rota disconnections.

4.3 One of the orders which could be issued under the Energy Act 1976 to restrict the use of electricity in industrial, commercial and other premises would require consumption to be reduced by a certain percentage. (This is to be distinguished from a direction instituting rota disconnections). It is an alternative to an order, which would restrict the use of electricity to specified days of the week. If a percentage reduction order was issued it might be necessary for directions to be issued to suppliers requiring them to provide information showing customers whose consumption was above a certain level so as to enable the UK Government to monitor observance of the orders.

4.4 If the DECC Emergency Response Team (ERT)¹ decides that rota disconnections must be introduced, the DECC Secretary of State (SofS) will seek to obtain emergency powers under the Energy Act 1976 for the purpose of issuing a direction to the Network Operators affected to implement a schedule of rota disconnections across their licence area(s) throughout the period of the emergency. Under this direction and within the provisions of the Grid Code, the NETSO will instruct Network Operators to restrict the supply of electricity to customers, other than those in the "V", "F" and "O" protected categories, by rota disconnections to achieve a specified level of disconnection. The period of time that the overall process of rota disconnections continues together with the level(s) of disconnection will be decided by the SofS in the light of advice from the DECC ERT.

4.5 An event might start off being handled via the Grid Code arrangements and develop into a worsening shortfall of available generation against demand making it necessary for the SofS to invoke the ESEC. However it may happen that the electricity supply emergency situation dictates an orderly and planned move to rota disconnections without utilising the Grid Code arrangements if, for example, the situation has developed over the weekend and it is clear that there is likely to be a substantial difference between demand and available generation on Monday.

Variable Rota Disconnection Plan

4.6 ESEC utilises a **Variable Rota Disconnection Plan (VRDP)**, the format of which is set out in Annex 4. The **VRDP** is intended to ensure that the available supplies of electricity are shared as equitably as possible amongst all non-protected customers.

4.7 The **VRDP** divides non-protected customers into 18 groups of near equal demand. For the purposes of ESEC these groups are referred to as load blocks each being identified by a letter A, B, C etc. It is the supply to these load blocks that is sequenced for rota disconnections in the **VRDP** set out in Annex 4. The **VRDP** sets out the nominal three hour disconnection periods, i.e. eight periods in any 24 hour day and respect the need for equality of treatment between non-protected customers as far as it is practicable to do so. During an emergency, as available supplies diminish, higher levels of disconnection will mean that an increasing number of load blocks are disconnected in any one period.

4.8 At levels requiring the disconnection of up to 4 load blocks, the **VRDP** is designed to concentrate disconnection periods on the three days of Monday, Tuesday and Wednesday or Thursday, Friday and Saturday.

Sequencing of Load Blocks

4.9 During an electricity supply emergency the NETSO will regularly update the DECC ERT on the levels of disconnection considered necessary. The NETSO will normally advise DECC ERT no later than **14.00** hours each day, of the **Rota Plan** it considers necessary for the following 24 hour period, scheduled to commence at **06.30** hours the following day. When advising the DECC ERT of the **Rota Plan** required, the NETSO will take into account an optimum margin of remaining generation available and the level of flows on interconnections with neighbouring Transmission Systems. The DECC ERT will confirm the **Adopted Rota Plan** to be used no later than **1 hour** after receipt of the advice from the NETSO.

4.10 The NETSO will derive a detailed **Activation Schedule(s)** of rota disconnections from the **Adopted Rota Plan**. The **Adopted Rota Plan** is one of 18 **Rota Plans**. These **Rota Plans** provide the default sequencing of load blocks and are set out in Annex 4. These **Rota Plans** are another way of illustrating the content of the **VRDP** also in Annex 4. In accordance with the above process of authority, the NETSO will issue **Activation Schedule(s)** to Network Operators. These schedules will confirm detailed timings for the disconnection / reconnection of load blocks and shall be treated as a set of instructions for implementation by the Network Operators.

4.11 The 18 **Rota Plans** set out in Annex 4 each contain a master sequence of load block disconnections nominally starting and finishing within the eight periods of the day. The detailed **Activation Schedules** are required as it will be necessary for individual Network Operators to stagger the actual times when load blocks are disconnected and reconnected to match the minute-by-minute demand for electricity to the generation available and to avoid excessive loads swings. In the worst case, where 9 blocks may require disconnecting and 9 different blocks reconnecting, this changeover period could take up to 60 minutes.

4.12 The NETSO will continue to review the National demand/generation position and may re-issue modified **Activation Schedules** from time to time. The DECC ERT will keep the level of demand disconnection and the choice of **Rota Plan** under continual review throughout the emergency, and if necessary the DECC ERT may change the **Adopted Rota Plan** to any one of the 18 **Rota Plans** at any time.

Other priority needs

4.13 Should an emergency be prolonged, it may be in the public interest for some additional industries to be considered as protected customers within the criteria of the Protected customer V, F, and O lists e.g. essential pharmaceutical companies manufacturing vaccines/anti-viral medication during an influenza pandemic. Sponsoring Government Departments may make representations to the DECC ERT through COBR if essential services are significantly impacted. This process may take several days to complete and although Directions to include new Protected customers may be given after consideration of the wider consequences/benefits for the public against the availability of supplies, this should not be assumed. Organisations should ensure that they have robust business continuity arrangements in place to maintain adequate electricity supplies and not rely on these arrangements.

Severe shortages of power

4.14 In the event of a catastrophic shortage of electrical power it may not be possible to maintain equal distribution of available power supplies while protecting the industries and services on which the well-being of the nation depends. In this case the DECC ERT will advise the SofS according to the circumstances.

4.15 It is considered impractical to enforce statutory restrictions on domestic customers. Therefore, it will be necessary to use the non-protected customer load blocks set out in the **VRDP** in annex 4 for as long as possible.

4.16 Prior to the onset of an extreme situation all "O" list customers will be directed to reduce load broadly in line with the level of disconnections applying to other non-protected customers. As the situation worsens, "O" list customers will be directed to reduce their consumption to the minimum load necessary for the avoidance of damage to major plant.

4.17 Annex 1 also lists the vital services for which it is necessary to maintain electricity supplies for as long as practical. The needs of these "V" List protected customers may vary daily or even by the hour in an extreme situation. In the event of electricity supplies being insufficient to meet the needs of all the "V" List protected customers within their area then the Network Operator(s) may need to exercise discretion in allocating the available electricity supplies. In such cases priority should be given to the maintenance of life and to minimising the risk of disasters, which would involve loss of life or major damage to plant. It is recognised that the electricity industry's own requirements need to be met, particularly those to maintain generating capacity and nuclear safety.

4.18 In the event of a partial or total system shutdown during an electricity supply emergency, the Network Operator(s) will implement the operating procedures set out in the Grid Code Operating Codes, so that affected demand may be restored in the shortest possible time.

Restoration of supplies

4.19 As supplies of electricity are restored, it may be necessary for the SofS to issue further directions on rota disconnections following advice from the DECC ERT.

5. Industry responsibilities

Rota disconnection procedures

5.1 Each licensed Network Operator is obliged by ESEC to keep up to date procedures for the introduction of rota disconnections. These should be available for activation as soon as possible, and no later than within 48 hours. Except for protected customers (Annex 1), the procedures will apply equally, as far as is practical, to all customers supplied through the networks of licensed Network Operators. This includes non-embedded customers (i.e. customers, other than licensed Network Operators, receiving electricity direct from the transmission company authorised under section 6(1)(b) of the Act).

Protected customers

5.2 The rota disconnection plans prepared by the Network Operators must ensure supply to registered protected customers for as long as is practical. Network Operators will take all reasonable steps to keep up to date records of protected customers:

- (i) "V" - vital services;
- (ii) "F" – major food manufacturers, processors and storers; and
- (iii) "O" – certain continuous process and manufacturing firms.

The "V", "F" and "O" lists shall contain the name and address of each customer and business activity connected to the electrical system.

5.3 Definitions of the protected customers are given at Annex 1.

5.4 Network Operators are required to use their best endeavours to maintain a supply to registered protected customers and will give as much notice as possible in the event that protection from disconnection is at any time at risk.

Information on listing

5.5 Network Operators will, on request, supply DECC with their protected customer lists. This will enable continual reviews on consistency with which the criteria for listing are applied.

5.6 Network Operators should inform protected customers that they have been listed. Unsuccessful applicants for protected customer status, where appropriate, may seek a determination from DECC.

Commercial implications

5.7 If rota disconnections are directed, the Secretary of State will issue authorities under section 4 of the Energy Act 1976 authorising the Network Operator(s) to disregard or fall short of their statutory and contractual obligations to supply to such an extent as is necessary to comply with the directions on rota disconnections.

5.8 Rota disconnections do not constitute "failures of supply" within the terms of regulation 29 of the Electricity Safety, Quality and Continuity Regulations 2002. Distributors should be in a position to give 48 hours' notice of disconnections; there is no requirement under regulation 29 to report the effects of rota disconnections to the Secretary of State.

PROTECTED CUSTOMERS

Vital "V" List

A1.1 A customer shall only be listed in the "V" list if:

- a. they have informed the Network Operator in writing that they consider their activities fall into one of the categories of vital services in outlined as set out below; and
 - b. b) the Network Operator agrees that the activities fall into one of the categories of vital services below; and
 - c. c) the customer does not have standby generation; and
- d) either
- (i) they are connected to a discrete feeder; or
 - (ii) (ii) in the opinion of the Network Operator maintaining supply during rota disconnections would involve retention of not more than a marginal amount of associated load; or
 - (iii) the Network Operator has been required to list them by DECC pursuant to paragraph A1.5 below.

A1.2 If a Network Operator is unsure whether a customer's activities fall within one of the categories of vital services below, they will inform the customer accordingly. The customer may (a) provide further clarification to the network operator as to why they believe their activities fall within one of the categories of vital services or (b) may approach the Government Department responsible for the service or the industry concerned which will advise DECC if the customer's activities fall within one of the categories of vital services and whether the customer's site should be listed. Only upon instruction by DECC will the Network Operator include the customer on the list. Pending resolution of the matter the customer shall not be listed.

A1.3 If in the Network Operator's opinion the customer's activities do not fall within one of the categories of vital services and the customer disputes this, the Network Operator will refer the matter to the Government Department responsible for the service or industry concerned which will ask DECC for determination, unless the customer prefers to refer the matter to DECC themselves. DECC will instruct the Network Operator whether the customer should be listed. Pending resolution of the matter the customer will not be listed. The customer shall be informed, in a timely fashion, of the outcome of any referral.

A1.4 If the Network Operator considers that the customer's activities fall into one of the categories of vital services, and if the customer does not have standby generation nor are they connected to a discrete feeder and if maintaining supply during rota disconnections would, in the opinion of the Network Operator, involve retention of more

than a marginal amount of associated load, the Network Operator shall advise the customer that they should either pay for a new or modified connection by means of a discrete feeder or should install standby generation.

A1.5 If the customer is not prepared to install standby generation and is not prepared to pay for a discrete feeder the Network Operator will refer the matter to DECC with an estimate of the amount of associated load which would need to be kept on supply if the customer was to be protected. DECC will consult with other departments concerned and with the Network Operator and will instruct the latter whether the customer should exceptionally be listed, despite the retention, of the amount of associated load involved. Pending resolution of the matter, the customer shall not be listed.

Food "F" List

A1.6 Offices of DEFRA in England, the Scottish Government or the Welsh Government will consult with each Network Operator about customers who should be listed in the "F" list as major food manufacturers, processors or storers. A customer's site shall only be listed in the "F" list if:

- a) DEFRA, or the Scottish Government or the Welsh Government state that the customer's site to be listed is a major location for essential food manufacture, processing or storing; and
- b) the site does not have standby generation; and
- c) either

(i) the site is connected to a discrete feeder; or

(ii) in the opinion of the Network Operator maintaining supply during rota disconnection's would involve retention of not more than a marginal amount of associated load; or

(iii) the Network Operator has been instructed to list him/her by DECC pursuant to paragraph A1.8 below.

A1.7 If the customer's site is a location for major food manufacture, processing or storing, does not have standby generation and is not already connected to a discrete feeder, and if maintaining supply to that site during rota disconnections would, in the opinion of the Network Operator, involve retention of more than a marginal amount of associated load, the Network Operator will advise the customer that they should either pay for a new or modified connection by means of a discrete feeder or should install standby generation.

A1.8 If the customer is not prepared to install standby generation and is not prepared to pay for a discrete feeder the Network Operator will refer the matter to DECC with an estimate of the amount of associated load which would need to be kept on supply if the customer was to be protected. DECC will consult DEFRA or the Scottish Government or the Welsh Government (as appropriate) and with the Network Operator and will instruct the latter whether the customer's site should exceptionally be listed, despite the retention of the amount of associated load involved. Pending resolution of the matter, the customer's site shall not be listed.

A1.9 The DEFRA offices in England, the Scottish Government and the Welsh Government will review the need for protection annually and notify Network Operators of any changes they wish to make. If an emergency is imminent, and during an emergency, Network Operators may wish to consult with DEFRA offices in England, the Scottish Government or the Welsh Government on whether any further changes need to be made. Any change will only be made by the Network Operator if it conforms to the arrangements outlined in the above "F" list paragraphs.

A1.10 In preparing their plans, the DEFRA Offices in England, the Scottish Government and the Welsh Government should take into account that, depending on the availability of certain foodstuffs, there may be a need for particular food producers to increase output during an emergency.

A1.11 Due to the need to avoid maintaining more than a marginal amount of associated load, it will not normally be possible for Network Operators to provide protection from rota disconnections to abattoirs and to firms dealing with disposal of food waste. But, where notified of these sites by the DEFRA Offices in England, the Scottish Government or the Welsh Government, the Network Operators' plans should take into account the need to give such sites adequate notice where practicable of rota disconnections.

Other "O" List

A1.12 In the event of rota disconnections "O" list customers would be directed to reduce their consumption in broad line with the level of disconnections. They may also be directed to reduce their consumption by a prescribed percentage in the event of Orders being made under the Energy Act 1976 (paragraph 21(b) refers). The procedure for issuing these directions to "O" list customers is the same as that for rota disconnections (see Annex 3).

A1.13 A customer will be listed in the "O" list if;

a) they have informed the Network Operator in writing that

(i) substantial damage would result if they were subject to rota disconnections; or

(ii) their operation involves a continuous manufacturing process; and

(iii) the Network Operator has no reason to doubt the accuracy of the information; and

b) they do not have standby generation; and

c) they are connected to a discrete feeder; and

d) the customer has informed the Network Operator in writing that they recognise that they may be required to restrict their consumption during rota disconnections. In the case of a new customer, if the Network Operator has reason to believe that the customer might qualify for listing, they shall inform them of the above criteria for listing.

A1.14. If a Network Operator doubts the accuracy of information provided under paragraph 13(a) above they should contact the Nominated Co-ordinator (NC) or the Welsh Government's or Scottish Government's equivalent. The NC may be able to provide additional information about the customer to satisfy the Network Operator that the information provided by the customer is accurate. If this is the case, the Network Operator will list the customer in the "O" list provided that sub paragraph's (b), (c) and (d) of paragraph A1.13 are satisfied. If the NC is unable to provide information to the Network Operator, then the NC should refer the matter to the relevant DECC sponsorship Directorate for determination. The Network Operator may decide to refer the matter direct to DECC for determination. In this case, the sponsorship Directorate may seek the assistance of the relevant NC in obtaining information on the customer to assist in the determination. Pending resolution of the matter, the customer will not be listed.

A1.15 In the event of the Network Operator(s) being directed to make rota disconnections, it is expected that customers in the "O" List would be directed to reduce their consumption by a percentage broadly commensurate with rota disconnections. The Network Operator(s) will be directed to provide details of consumption to DECC for this purpose. (A draft of the direction is at Annex 2.) Annex 3 describes the procedure for issue of directions to "O" list customers by DECC.

'V' LIST CUSTOMERS: VITAL SERVICES

- Coal mines

- Major airports and associated control facilities.

- Railway operations.

- Gas reception terminals; gas storage installations including gas boosting and compression equipment; gas compressor stations and principal development and control sites which provide facilities for the control of gas supply systems and emergency procedures.

- Licensed Electricity generators, including nuclear stations so as to ensure the safety requirements of their nuclear licences continue to be met; electricity transmitters and distributors.

- Essential water and sewerage installations.

- Hospitals as agreed in consultation with NHS Foundation Trusts, Primary Care Trusts, Acute Trusts, Local Health Boards (in Wales), Welsh NHS Trusts and NHS Health Scotland.
-
- Ports and Docks.

- Postal, telecommunications and broadcasting services

- Oil refineries and vital oil pipeline pumping stations.

**ENERGY ACT 1976
DRAFT DIRECTION UNDER PARAGRAPH 1 OF SCHEDULE 2**

To: [the X company]

Whereas on [date] the Secretary of State gave [the X company] ("the company") directions under section 96 of the Electricity Act 1989 to comply with Annex 2 of the Electricity Supply Emergency Code ("the Code") issued by the Secretary of State on [date];

Whereas in order to comply with the said paragraphs of the Code the company is required to take all reasonable steps to maintain an up to date O list {"the company's O list"} containing the names of certain customers of electricity and containing, in respect of each such customer, the address of the premises to which electricity is supplied and, in respect of each such premises, the country.

Whereas it appears to the Secretary of State expedient for purposes connected with the operation of the Energy Act 1976 ("the 1976 Act") or the effective performance by him of his functions under it;

Now, therefore, the Secretary of State, in exercise of the powers conferred on him by section 18(1) of, and paragraph 1 of Schedule 2 to, the 1976 Act, and of all other powers enabling him in that behalf, hereby gives the company, being a person carrying on an undertaking, the following direction:-

1. In relation to each customer whose name is contained in the company's O list, the company shall, before [date], furnish the Secretary of State with the information specified in paragraph 2 below.

2. The information required is:-

a. the name of the customer;

b. the address of the premises to which electricity is supplied;

c. the maximum demand for electricity in kilowatts in respect of the premises shown in the last account for use of system charges rendered by the company in respect of those premises before the date of this direction;

d. the total consumption of electricity in kilowatt hours in respect of the premises shown in the last account for use of system charges rendered by the company before the date of this direction divided by the number of days in the period covered by the account.

Dated: 20 □□

An official of the Department of Energy and Climate Change authorised [to act on behalf of] [by] the Secretary of State [of Energy and Climate Change]

ISSUE OF STATUTORY DIRECTIONS TO GROUP "O" LIST CONSUMERS

Annex 1 Paragraph 1.12 of the Code explains that O list consumers would be directed by the UK Government to reduce their consumption in the event of rota disconnections being instituted.

Each direction to a consumer, before issue, will have to be signed individually by an authorised DECC official. Such officials are permanently authorised to sign on behalf of the Secretary of State,

Each direction will be delivered to the individual consumer at the premises to which the direction refers.

**VARIABLE ROTA DISCONNECTION PLAN
ORDER OF DISCONNECTION FOR LOAD GROUPS A TO U**

Annex 4

Day of Week	Period	Time	Increasing percentage levels of disconnection, derived by dividing the maximum amount of load available for disconnection into 18 equivalent amounts. Although each disconnection period is a nominal three hours the amount of switching involved at higher levels of disconnection may delay the restoration of some blocks by up to an hour.																		
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
Monday (Tuesday)	1	0630-1030	A	B	C	H	T	N	L	M	K	G	J	R	D	S	P	E	U	Q	
	2	0930-1330	D	E	G	J	U	R	P	Q	T	A	K	L	B	H	M	C	S	N	
	3	1230-1630	B	C	A	K	S	L	M	N	J	E	T	P	G	U	Q	D	H	R	
	4	1530-1930	E	G	D	H	T	P	Q	R	U	B	S	M	C	J	N	A	K	L	
	5	1830-2230	C	A	B	J	U	M	N	L	S	D	H	Q	E	K	R	G	T	P	
	6	2130-0130	G	D	E	K	S	Q	R	P	H	C	U	N	A	T	L	B	J	M	
	7	0030-0430	B	H	T	L	A	M	K	G	J	R	D	S	P	E	U	Q	C	N	
	8	0330-0730	C	J	U	N	K	S	T	A	L	B	H	M	E	P	G	Q	D	R	
Tuesday (Wednesday)	1	0630-1030	E	G	D	A	M	P	Q	R	C	K	B	U	H	L	S	J	N	T	
	2	0930-1330	H	J	K	B	N	U	S	T	M	E	C	Q	G	A	R	D	L	P	
	3	1230-1630	G	D	E	C	L	Q	R	P	B	J	M	S	K	N	T	H	A	U	
	4	1530-1930	J	K	H	A	M	S	T	U	N	G	L	R	D	B	P	E	C	Q	
	5	1830-2230	D	E	G	B	N	R	P	Q	L	H	A	T	J	C	U	K	M	S	
	6	2130-0130	K	H	J	C	L	T	U	S	A	D	N	P	E	M	Q	G	B	R	
	7	0030-0430	E	A	N	P	D	Q	C	K	B	U	H	L	S	J	T	M	G	R	
	8	0330-0730	G	B	M	R	C	L	E	Q	A	D	P	J	S	K	N	T	H	U	
Wednesday (Thursday)	1	0630-1030	J	K	H	D	Q	S	T	U	G	A	E	L	B	P	M	C	R	N	
	2	0930-1330	B	C	A	E	R	L	M	N	Q	J	G	T	K	D	U	H	P	S	
	3	1230-1630	K	H	J	G	P	T	U	S	E	C	Q	M	A	R	N	B	D	L	
	4	1530-1930	C	A	B	D	Q	M	N	L	R	K	P	U	H	E	S	J	G	T	
	5	1830-2230	H	J	K	E	R	U	S	T	P	B	D	N	C	G	L	A	Q	M	
	6	2130-0130	A	B	C	G	P	N	L	M	D	H	R	S	J	Q	T	K	E	U	
	7	0030-0430	H	D	R	T	J	S	G	A	E	L	B	P	M	C	N	K	U	Q	
	8	0330-0730	K	E	Q	U	G	P	J	T	D	H	S	C	M	A	R	N	B	L	
Thursday (Friday)	1	0630-1030	L	M	N	S	J	C	A	B	U	R	T	G	P	H	D	Q	K	E	
	2	0930-1330	P	Q	R	T	K	H	G	D	E	J	L	U	A	M	S	B	N	H	C
	3	1230-1630	M	N	L	U	J	A	B	C	T	Q	J	D	R	K	E	P	S	G	
	4	1530-1930	Q	R	P	S	K	D	E	G	K	M	H	B	N	T	C	L	U	A	
	5	1830-2230	N	L	M	T	H	B	C	A	H	P	S	E	Q	U	G	R	J	D	
	6	2130-0130	R	P	Q	U	L	E	G	D	S	N	K	C	L	J	A	M	T	B	
	7	0030-0430	M	S	J	A	U	B	U	R	T	G	P	H	D	Q	K	E	N	C	
	8	0330-0730	N	T	K	C		H	J	L	A	M	S	B	Q	D	R	E	P	G	

Day of Week	Period	Time	Increasing percentage levels of disconnection, derived by dividing the maximum amount of load available for disconnection into 18 equivalent amounts. Although each disconnection period is a nominal three hours the amount of switching involved at higher levels of disconnection may delay the restoration of some blocks by up to an hour.																	
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Friday (Saturday)	1	0630-1030	Q	R	P	L	B	D	E	G	N	U	M	K	S	A	H	T	C	J
	2	0930-1330	S	T	U	M	C	K	H	J	B	Q	N	E	R	L	G	P	A	D
	3	1230-1630	R	P	Q	N	A	E	G	D	M	T	B	H	U	C	J	S	L	K
	4	1530-1930	T	U	S	L	B	H	J	K	C	R	A	G	P	M	D	Q	N	E
	5	1830-2230	P	Q	R	M	C	G	D	E	A	S	L	J	T	N	K	U	B	H
	6	2130-0130	U	S	T	N	A	J	K	H	L	P	C	D	Q	B	E	R	M	G
	7	0030-0430	Q	L	C	D	P	E	N	U	M	K	S	A	H	T	J	R	G	B
	8	0330-0730	R	M	B	G	N	A	Q	E	L	P	D	T	H	U	C	J	S	K
Saturday (Sunday)	1	0630-1030	T	U	S	P	E	H	J	K	R	L	Q	A	M	D	B	N	G	C
	2	0930-1330	M	N	L	Q	G	A	B	C	E	T	R	J	U	P	K	S	D	H
	3	1230-1630	U	S	T	R	D	J	K	H	Q	N	E	B	L	G	C	M	P	A
	4	1530-1930	N	L	M	P	E	B	C	A	G	U	D	K	S	Q	H	T	R	J
	5	1830-2230	S	T	U	Q	G	K	H	J	D	M	P	C	N	R	A	L	E	B
	6	2130-0130	L	M	N	R	D	C	A	B	P	S	G	H	T	E	J	U	Q	K
	7	0030-0430	S	P	G	H	T	K	R	L	Q	A	M	D	B	N	C	J	U	E
	8	0330-0730	U	Q	E	J	R	D	T	P	K	S	H	N	B	L	G	C	M	A
Sunday (Monday)	1	0630-1030	A	B	C	L	N	M	E	G	D	Q	R	P	K	H	J	U	S	T
	2	0930-1330	D	E	G	P	Q	R	J	K	H	T	U	S	N	L	M	C	A	B
	3	1230-1630	H	J	K	S	T	U	M	N	L	B	C	A	R	P	Q	G	D	E
	4	1530-1930	L	M	N	A	C	B	Q	R	P	E	G	D	U	S	T	K	H	J
	5	1830-2230	P	Q	R	D	E	G	T	U	S	J	K	H	C	A	B	N	L	M
	6	2130-0130	S	T	U	H	J	K	B	C	A	M	N	L	G	D	E	R	P	Q
	7	0030-0430	P	E	R	C	B	A	L	G	D	Q	N	M	K	H	J	U	S	T
	8	0330-0730	D	G	Q	J	K	S	U	R	T	N	L	M	C	A	B	H	E	P

1 The Energy Emergencies Executive Committee (E3C) has defined terms of reference for an Emergency Response Team (ERT), which will, in the event of an emergency within or affecting the gas and/or electricity networks, provide the interface between industry and government.

ROTA PLAN

Level 2 Disconnection

Each period is of nominal 3 hours duration. Detailed timings of disconnections will be confirmed by an Activation Schedule issued by the NETSO otherwise this is the default rota disconnection plan.

DAY	MONDAY								TUESDAY								WEDNESDAY								THURSDAY								FRIDAY								SATURDAY								SUNDAY																																							
PERIOD	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																																
A	■				■											■					■								■																																																											
B			■																■																																																																					
C			■																■																																																																					
D		■											■																																																																											
E		■																																																																																						
G				■																																																																																				
H							■																																																																																	
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L																																																																																								
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U																																																																																								

ROTA PLAN

Level 3 Disconnection

Each period is of nominal 3 hours duration. Detailed timings of disconnections will be confirmed by an Activation Schedule issued by the NETSO otherwise this is the default rota disconnection plan.

DAY	MONDAY								TUESDAY								WEDNESDAY								THURSDAY								FRIDAY								SATURDAY								SUNDAY																							
PERIOD	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
A	■		■		■											■		■		■		■																																			■															
B																																																																								
C	■		■		■																																																																			
D		■		■		■				■		■		■																																																										
E		■		■		■				■		■		■																																																										
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ROTA PLAN

Level 8 Disconnection

Each period is of nominal 3 hours duration. Detailed timings of disconnections will be confirmed by an Activation Schedule issued by the NETSO otherwise this is the default rota disconnection plan.

DAY	MONDAY								TUESDAY								WEDNESDAY								THURSDAY								FRIDAY								SATURDAY								SUNDAY											
PERIOD	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8				
A	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■									
B	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■							
C	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■							
D	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■							
E	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■							
G	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■						
H	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■						
J	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■						
K	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■					
L	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■				
M	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■				
N	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■				
P	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■			
Q	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■			
R	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		
S	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		
T	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		
U	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

ROTA PLAN

Level 10 Disconnection

Each period is of nominal 3 hours duration. Detailed timings of disconnections will be confirmed by an Activation Schedule issued by the NETSO otherwise this is the default rota disconnection plan.

DAY	MONDAY								TUESDAY								WEDNESDAY								THURSDAY								FRIDAY								SATURDAY								SUNDAY							
PERIOD	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
A	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
B	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	
C	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8		
D	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8			
E	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8				
G	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8					
H	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8						
J	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8							
K	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8								
L	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8									
M	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8										
N	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8											
P	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8												
Q	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8													
R	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8														
S	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8															
T	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
U	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																	

ROTA PLAN

Level 12 Disconnection

Each period is of nominal 3 hours duration. Detailed timings of disconnections will be confirmed by an Activation Schedule issued by the NETSO otherwise this is the default rota disconnection plan.

DAY	MONDAY								TUESDAY								WEDNESDAY								THURSDAY								FRIDAY								SATURDAY								SUNDAY															
PERIOD	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
A	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8								
B	2	3	4	5	6	7	8	1	3	4	5	6	7	8	1	2	4	5	6	7	8	1	2	3	5	6	7	8	1	2	3	4	6	7	8	1	2	3	4	5	7	8	1	2	3	4	5	6	8	1	2	3	4	5	6	7	8							
C	3	4	5	6	7	8	1	2	4	5	6	7	8	1	2	3	5	6	7	8	1	2	3	4	6	7	8	1	2	3	4	5	7	8	1	2	3	4	5	6	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8							
D	4	5	6	7	8	1	2	3	5	6	7	8	1	2	3	4	6	7	8	1	2	3	4	5	7	8	1	2	3	4	5	6	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8							
E	5	6	7	8	1	2	3	4	6	7	8	1	2	3	4	5	7	8	1	2	3	4	5	6	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8							
G	6	7	8	1	2	3	4	5	7	8	1	2	3	4	5	6	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8							
H	7	8	1	2	3	4	5	6	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8							
J	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8							
K	1	2	3	4	5	6	7	8	2	3	4	5	6	7	8	1	3	4	5	6	7	8	1	2	4	5	6	7	8	1	2	3	5	6	7	8	1	2	3	4	6	7	8	1	2	3	4	5	7	8	1	2	3	4	5	6	7	8						
L	2	3	4	5	6	7	8	1	3	4	5	6	7	8	1	2	4	5	6	7	8	1	2	3	5	6	7	8	1	2	3	4	6	7	8	1	2	3	4	5	7	8	1	2	3	4	5	6	8	1	2	3	4	5	6	7	8							
M	3	4	5	6	7	8	1	2	4	5	6	7	8	1	2	3	5	6	7	8	1	2	3	4	6	7	8	1	2	3	4	5	7	8	1	2	3	4	5	6	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8							
N	4	5	6	7	8	1	2	3	5	6	7	8	1	2	3	4	6	7	8	1	2	3	4	5	7	8	1	2	3	4	5	6	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8							
P	5	6	7	8	1	2	3	4	6	7	8	1	2	3	4	5	7	8	1	2	3	4	5	6	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8							
Q	6	7	8	1	2	3	4	5	7	8	1	2	3	4	5	6	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8							
R	7	8	1	2	3	4	5	6	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8							
S	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8							
T	1	2	3	4	5	6	7	8	2	3	4	5	6	7	8	1	3	4	5	6	7	8	1	2	4	5	6	7	8	1	2	3	5	6	7	8	1	2	3	4	6	7	8	1	2	3	4	5	7	8	1	2	3	4	5	6	7	8						
U	2	3	4	5	6	7	8	1	3	4	5	6	7	8	1	2	4	5	6	7	8	1	2	3	5	6	7	8	1	2	3	4	6	7	8	1	2	3	4	5	7	8	1	2	3	4	5	6	8	1	2	3	4	5	6	7	8							

ROTA PLAN

Level 13 Disconnection

Each period is of nominal 3 hours duration. Detailed timings of disconnections will be confirmed by an Activation Schedule issued by the NETSO otherwise this is the default rota disconnection plan.

DAY	MONDAY								TUESDAY								WEDNESDAY								THURSDAY								FRIDAY								SATURDAY								SUNDAY							
PERIOD	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
A	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
B	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
C	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
D	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
E	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
G	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
H	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
J	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
K	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
L	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
M	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
N	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
P	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
Q	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
R	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
S	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
T	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
U	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8

ROTA PLAN

Level 14 Disconnection

Each period is of nominal 3 hours duration. Detailed timings of disconnections will be confirmed by an Activation Schedule issued by the NETSO otherwise this is the default rota disconnection plan.

DAY	MONDAY								TUESDAY								WEDNESDAY								THURSDAY								FRIDAY								SATURDAY								SUNDAY															
PERIOD	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
A	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
B	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
C	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
D	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
E	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
G	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
H	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
J	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
K	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
L	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
M	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
N	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
P	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
Q	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
R	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
S	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
T	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
U	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																

ROTA PLAN

Level 16 Disconnection

Each period is of nominal 3 hours duration. Detailed timings of disconnections will be confirmed by an Activation Schedule issued by the NETSO otherwise this is the default rota disconnection plan.

DAY	MONDAY								TUESDAY								WEDNESDAY								THURSDAY								FRIDAY								SATURDAY								SUNDAY															
PERIOD	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8
A	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
B	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
C	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
D	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
E	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
G	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
H	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
J	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
K	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
L	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
M	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
N	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
P	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
Q	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
R	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
S	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																
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ROTA PLAN

Level 17 Disconnection

Each period is of nominal 3 hours duration. Detailed timings of disconnections will be confirmed by an Activation Schedule issued by the NETSO otherwise this is the default rota disconnection plan.

DAY	MONDAY								TUESDAY								WEDNESDAY								THURSDAY								FRIDAY								SATURDAY								SUNDAY																																																															
PERIOD	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7	8																																																								
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