

**From:** [REDACTED]  
**To:** [North Shropshire Reinforcement](#)  
**Cc:** [REDACTED]  
**Subject:** Written Reps - National Grid Electricity Transmission Plc  
**Date:** 10 July 2019 10:54:30  
**Attachments:** [LON\\_LIB1-#20811551-v4-National\\_Grid\\_-\\_Written\\_Representations\\_July\\_2019\\_....pdf](#)

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Good morning

Please find attached further Written Representations made on behalf of National Grid Electricity Transmission Plc in respect of the application for the Reinforcement to North Shropshire Electricity Distribution Network Order.

Registration identification number 20021572.

I would be grateful if you could confirm receipt.

Yours faithfully

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**APPLICATION FOR THE REINFORCEMENT TO NORTH SHROPSHIRE ELECTRICITY  
DISTRIBUTION NETWORK DEVELOPMENT CONSENT ORDER**

Further Written Representations

**NATIONAL GRID ELECTRICITY TRANSMISSION PLC**

**1. Background**

- 1.1 National Grid Electricity Transmission Plc (“National Grid”) owns and maintains the high-voltage electricity transmission network in England and Wales and is responsible for balancing supply with demand on a minute-by-minute basis across the network. It is responsible for building and maintaining a safe, reliable and efficient electricity transmission network; and the construction of development which interacts with a National Grid’s asset can present both risks to public health and safety and risks of interruption to transmission.
- 1.2 Part of the proposed development in the Reinforcement to the North Shropshire Electricity Distribution Network Order (“the proposed Order”) is proposed to be carried out on land in which National Grid has an interest, being plots 122 and 126 on the Land Plans (“the Order Land”). Part of the National Grid ZZK067 400kv Overhead Line Ironbridge to Shrewsbury (“the Overhead Line”) is included within the Order Land and the authorised development is proposed to cross underneath the Overhead Line.
- 1.3 These representations are submitted as supplemental representations to the initial written representations (RR-005) and are necessitated by the failure of the Applicant to adequately address issues raised in those representations despite National Grid’s efforts to engage on the draft Protective Provisions.

**2. Protective Provisions**

- 2.1 As a responsible statutory undertaker, National Grid’s primary concern is to meet its statutory obligations and ensure that the proposed development does not impact in any adverse way upon those statutory obligations.
- 2.2 As such, National Grid submitted Written Representations which noted its requirement for adequate protection in the draft Order in the form of Protective Provisions.
- 2.3 As a result of its statutory obligations and in performance of its statutory undertaking to operate and maintain the electricity transmission system, and given the number of projects which affect its apparatus, National Grid has developed, and continues to refine, a standard form of Protective Provisions to be included in development consent orders where the proposed development might affect its apparatus or interests.
- 2.4 Without the inclusion of adequate Protective Provisions for the benefit of National Grid the confirmation of the proposed Order allowing the Applicant to acquire rights and occupy land, which could impede or extinguish National Grid’s rights for its operational apparatus, would significantly harm National Grid’s ability to carry out its undertaking and comply with its obligations as the owner of the Overhead Line and wider transmission network.
- 2.5 National Grid has been in discussions with the Applicant as to the exact form of the Protective Provisions and has been willing to make some amendments to its standard form to accommodate the proposed development, as it recognises some flexibility is desired by promoters. The departures to those Protective Provisions, however, suggested by the Applicant to date would significantly harm and prejudice National Grid’s ability to carry out its undertaking. The form of Protective Provisions that National Grid was under the impression the Applicant was prepared to discuss was not the form that was submitted with the Application which are, and remain, wholly inadequate.

### 3. **Relevant provisions of the Planning Act 2008**

3.1 Section 127 of the Planning Act 2008 contains provision which provides protection in the case that compulsory acquisition powers are proposed to be granted over statutory undertakers' land. It requires the Secretary of State to apply a specific test before granting such powers.

3.2 Section 127 applies if:

*(1) This section applies in relation to land ("statutory undertakers' land") if—*

*(a) the land has been acquired by statutory undertakers for the purposes of their undertaking,*

*(b) a representation has been made about an application for an order granting development consent before the completion of the examination of the application, and the representation has not been withdrawn, and*

*(c) as a result of the representation the Secretary of State is satisfied that—*

*(i) the land is used for the purposes of carrying on the statutory undertakers' undertaking, or*

*(ii) an interest in the land is held for those purposes.*

3.3 It is clear that this section is engaged as:

3.3.1 National Grid is a statutory undertaker under the Electricity Act 1989;

3.3.2 National Grid has made a representation in respect of the Applicant's application for the proposed Order;

3.3.3 National Grid has an interest in the land within the proposed Order limits (plots 122 and 126 on the Land Plans) in respect of the Overhead Line, and land includes rights in land pursuant to section 159 of the Planning Act 2008.

### 4. **National Grid's concerns**

4.1 National Grid's rights to retain its apparatus in situ and its rights of access to inspect, maintain, renew and repair such apparatus located within or in close proximity to the Order land must be maintained at all times and access to inspect such apparatus must not be restricted.

4.2 The draft Order allows the Applicant to acquire any rights it sees fit, without any requirement for coexistence with or replacement of permanent easements and rights of access to National Grid's apparatus. National Grid's standard Protective Provisions require that it consent to any exercise of compulsory purchase powers over its interests in order to protect its operational undertaking, however, the draft Order and the proposals of the Applicant to date have these provisions deleted.

4.3 The draft Order also fails to ensure that the Applicant would be required to provide any necessary land and rights for replacement apparatus should the Applicant require the removal of the Overhead Line. National Grid expects promoters of development consent order applications to secure all rights that they would require to carry out their development including rights to accommodate the diversion and re-provision of National Grid's apparatus, if it becomes required.

4.4 In the absence of Protective Provisions, in a form acceptable to National Grid, the taking of unspecified rights would potentially have detrimental impacts on National Grid's statutory undertaking. It is difficult to identify the exact extent of the impact given that the draft Order provides a broad discretion as to the scope of compulsory acquisition, but National Grid is very concerned that in the absence of it having the right to approve the form of

rights to be acquired the impacts of the proposed development (even if unintentional) could be severe.

- 4.5 As costs incurred by National Grid are ultimately passed on to consumers one of National Grid's duties is to ensure that it seeks to operate in efficient and cost effective way.
- 4.6 National Grid is therefore also concerned to ensure that it is suitably protected and indemnified by the Applicant from both the potential physical impacts of the proposed works, and the risk of interruption of transmission, and also the potential financial consequences of the proposed development.
- 4.7 National Grid wishes to express its concern that an early closure of the Examination, as proposed in the Examining Inspector's letter of 12 June 2019, will not enable sufficient time for agreement to be reached with the Applicant on the form of Protective Provisions that National Grid requires to protect its interests.

5. **Conclusion**

- 5.1 National Grid therefore respectfully requests that the Examining Authority recommends that the draft Order should not be made in its current form with the Protective Provisions as proposed by the Applicant.
- 5.2 National Grid seeks the inclusion of Protective Provisions in the form attached within the draft Order (if it is to be made) to ensure that its interests are adequately protected and to ensure compliance with relevant safety standards. A comparison with the current version of the draft Order as submitted by the Applicant at Deadline 5 is also appended.

10 July 2019

## **NATIONAL GRID PROTECTIVE PROVISIONS**

SCHEDULE [ ]  
PROTECTIVE PROVISIONS  
PART [ ]

FOR THE PROTECTION OF NATIONAL GRID AS ELECTRICITY UNDERTAKER

**Application**

1. The following provisions have effect for the protection of National Grid unless otherwise agreed in writing between the undertaker and National Grid.

Interpretation

2. In this Part of this Schedule—

“1991 Act” means the New Roads and Street Works Act 1991;

“acceptable credit provider” means a bank or financial institution with a credit rating that is not lower than: “A-” if the rating is assigned by Standard & Poor’s Ratings Group or Fitch Ratings; and “A3” if the rating is assigned by Moody’s Investors Services Inc.;

“acceptable insurance” means a third party liability insurance effected and maintained by the undertaker with a limit of indemnity of not less than £25,000,000.00 (twenty five million pounds) per occurrence or series of occurrences arising out of one event. Such insurance shall be maintained for the construction period of the authorised development which constitute specified works and arranged with an internationally recognised insurer of repute operating in the London and worldwide insurance market underwriters whose security/credit rating meets the same requirements as an “acceptable credit provider”, such policy shall include (but without limitation):

(a) National Grid Electricity Transmission Plc as a Co-Insured;

(b) a cross liabilities clause; and

(c) contractors’ pollution liability for third party property damage and third party bodily damage arising from a pollution/contamination event with cover of £10,000,000.00 (ten million pounds) per event or £20,000,000.00 (twenty million pounds) in aggregate;

“acceptable security” means either:

(a) a parent company guarantee from a parent company in favour of National Grid Electricity Transmission Plc to cover the undertaker’s liability to National Grid Electricity Transmission Plc to a total liability cap of £25,000,000.00 (twenty five million pounds) (in a form reasonably satisfactory to National Grid and, where required by National Grid, accompanied by a legal opinion confirming the due capacity and authorisation of the parent company to enter into and be bound by the terms of such guarantee); or

(b) a bank bond or letter of credit from an acceptable credit provider in favour of National Grid Electricity Transmission Plc to cover the undertaker’s liability to National Grid Electricity Transmission Plc for an amount of not less than £10,000,000.00 (ten million pounds) per asset per event up to a total liability cap of £25,000,000.00 (twenty five million pounds) (in a form reasonably satisfactory to National Grid);

“alternative apparatus” means appropriate alternative apparatus to enable National Grid to fulfil its statutory functions in a manner no less efficient than previously (to the reasonable satisfaction of National Grid);

“apparatus” means electric lines or electrical plant as defined in the Electricity Act 1989, belonging to or maintained by that National Grid together with any replacement apparatus and such other apparatus constructed pursuant to the Order that becomes operational apparatus of the National Grid for the purposes of transmission, distribution and/or supply and includes any structure in which apparatus is or will be lodged or which gives or will give access to apparatus;

“authorised development” has the same meaning as is given to the term "authorised development" in article 2 of this Order and includes any associated development authorised by the Order and for the purposes of this Part of this Schedule includes the use and maintenance of the authorised development and construction of any works authorised by this Schedule;

“commencement” has the same meaning as in paragraph 1 of Schedule 2 (requirements) to the Order and commence shall be construed to have the same meaning save that for the purposes of this part only the term commence and commencement shall include any below ground surveys, monitoring or operations or receipt and erection of construction plant and equipment within 15 metres of any apparatus;

“deed of consent” means a deed of consent, crossing agreement, deed of variation or new deed of grant agreed between the parties acting reasonably in order to vary and/or replace existing easements, agreements, enactments and other such interests so as to secure land rights and interests as are necessary to carry out, maintain, operate and use the apparatus in a manner consistent with the terms of this Part of this Schedule;

“functions” includes powers and duties;

“ground mitigation scheme” means a scheme approved by National Grid (such approval not to be unreasonably withheld or delayed) setting out the necessary measures (if any) for a ground subsidence event;

“ground monitoring scheme” means a scheme for monitoring ground subsidence which sets out the apparatus which is to be subject to such monitoring, the extent of land to be monitored, the manner in which ground levels are to be monitored, the timescales of any monitoring activities and the extent of ground subsidence which, if exceeded, shall require the undertaker to submit for National Grid’s approval a ground mitigation scheme;

“ground subsidence event” means any ground subsidence identified by the monitoring activities set out in the ground monitoring scheme that has exceeded the level described in the ground monitoring scheme as requiring a ground mitigation scheme;

“in” in a context referring to apparatus or alternative apparatus in land includes a reference to apparatus or alternative apparatus under, over, across, along or upon such land;

“maintain” and “maintenance” includes the ability and right to do any of the following in relation to any apparatus or alternative apparatus of National Grid including construct, use, repair, alter, inspect, renew or remove the apparatus

“parent company” means a parent company of the undertaker acceptable to and which shall have been approved by National Grid acting reasonably

“plan” or “plans” include all designs, drawings, specifications, method statements, soil reports, programmes, calculations, risk assessments and other documents that are reasonably necessary properly and sufficiently to describe and assess the works to be executed;

“National Grid” means National Grid Electricity Transmission PLC (Company No. 2366977) whose registered office is at 1-3 Strand, London, WC2N 5EH or any of its entities or successor entities;

"specified works" means any of the authorised development or activities undertaken in association with the authorised development which:

(a) will or may be situated over, or within 15 metres (measured in any direction) of any apparatus the removal of which has not been required by the undertaker under paragraph 7(2) or otherwise;

(b) may in any way adversely affect any apparatus the removal of which has not been required by the undertaker under paragraph 7(2) or otherwise; and/or

(c) include any of the activities that are referred to in National Grid’s policies for development near overhead lines EN43-8 and HSE’s guidance note 6 “Avoidance of Danger from Overhead Lines”.

### **On Street Apparatus**

3. Except for paragraphs 7 (*retained apparatus: protection*), 8 (*expenses*) and 9 (*indemnity*) of this Schedule which will apply in respect of the exercise of all or any powers under the Order affecting the rights and apparatus of National Grid, the other provisions of this Schedule do not apply to apparatus in respect

of which the relations between the undertaker and National Grid are regulated by the provisions of Part 3 of the 1991 Act.

### **Acquisition of land**

4. (1) *Regardless* of any provision in this Order or anything shown on the land plans or contained in the book of reference to the Order, the undertaker may not appropriate or acquire or take temporary possession of any land interest or appropriate, acquire, extinguish, interfere with or override any easement, other interest or right and/or apparatus of National Grid otherwise than by agreement.

(2) As a condition of agreement between the parties in paragraph (1), prior to the carrying out of any part of the authorised development (or in such other timeframe as may be agreed between National Grid and the undertaker) that are subject to the requirements of this Part of this Schedule that will cause any conflict with or breach the terms of any easement and/or other legal or land interest of National Grid and/or affects the provisions of any enactment or agreement regulating the relations between National Grid and the undertaker in respect of any apparatus laid or erected in land belonging to or secured by the undertaker, the undertaker must as National Grid reasonably requires enter into such deeds of consent upon such terms and conditions as may be agreed between National Grid and the undertaker acting reasonably and which must be no less favourable on the whole to National Grid unless otherwise agreed by National Grid, and it will be the responsibility of the undertaker to procure and/or secure the consent and entering into of such deeds and variations by all other third parties with an interest in the land at that time who are affected by such authorised development.

(3) Where there is any inconsistency or duplication between the provisions set out in this Part of this Schedule relating to the relocation and/or removal of apparatus/including but not limited to the payment of costs and expenses relating to such relocation and/or removal of apparatus) and the provisions of any existing easement, rights, agreements and licences granted, used, enjoyed or exercised by National Grid and/or other enactments relied upon by National Grid as of right or other use in relation to the apparatus, then the provisions in this Schedule shall prevail.

(4) No agreement or consent granted by National Grid under any other paragraph of this Part of this Schedule constitutes agreement under sub-paragraph (1).

### **Removal of apparatus**

5.— (1) If, in the exercise of the agreement reached in accordance with paragraph 4 or in any other authorised manner, the undertaker acquires any interest in any land in which any apparatus is placed, that apparatus must not be removed under this Part of this Schedule and any right of National Grid to maintain that apparatus in that land must not be extinguished until alternative apparatus has been constructed, and is in operation to the reasonable satisfaction of National Grid in accordance with sub-paragraph (2) to (5) inclusive.

(2) If, for the purpose of executing any specified works in, on, under or over any land purchased, held, appropriated or used under this Order, the undertaker requires the removal of any apparatus placed in that land, it must give to National Grid at least 56 days' advance written notice of that requirement, together with a plan of the work proposed, and of the proposed position of the alternative apparatus to be provided or constructed and in that case (or if in consequence of the exercise of any of the powers conferred by this Order National Grid reasonably needs to remove any of its apparatus) the undertaker must, subject to sub-paragraph (3), afford to National Grid to its satisfaction (taking into account paragraph 6(1) below) the necessary facilities and rights

- (a) for the construction of alternative apparatus in other land of or land secured by the undertaker; and
- (b) subsequently for the maintenance of that apparatus.

(3) If alternative apparatus or any part of such apparatus is to be constructed elsewhere than in other land of or land secured by the undertaker, or the undertaker is unable to afford such facilities and rights as are mentioned in sub-paragraph (2), in the land in which the alternative apparatus or part of such apparatus is to be constructed, National Grid must, on receipt of a written notice to that effect from the undertaker, take such steps as are reasonable in the circumstances in an endeavour to obtain the necessary facilities and rights in the



land in which the alternative apparatus is to be constructed save that this obligation does not extend to the requirement for the National Grid to use its compulsory purchase powers to this end unless it elects to so do.

(4) Any alternative apparatus to be constructed in land of or land secured by the undertaker under this Part of this Schedule must be constructed in such manner and in such line or situation as may be agreed between National Grid and the undertaker.

(5) National Grid must, after the alternative apparatus to be provided or constructed has been agreed, and subject to the prior grant to National Grid of any such facilities and rights as are referred to in sub-paragraph (2) or (3), proceed without unnecessary delay to construct and bring into operation the alternative apparatus and subsequently to remove any apparatus required by the undertaker to be removed under the provisions of this Part of this Schedule.

(6) Where there is any inconsistency or duplication between the provisions set out in this Part of this Schedule relating to the relocation and/or removal of apparatus (including but not limited to the payment of costs and expenses relating to such relocation and/or removal of apparatus) and the provisions of any existing easement, rights, agreements and licences granted, used, enjoyed or exercised by National Grid and/or other enactments relied upon by National Grid as of right or other use in relation to the apparatus, then the provisions in this Schedule shall prevail.

### **Facilities and rights for alternative apparatus**

6.—(1) Where, in accordance with the provisions of this Part of this Schedule, the undertaker affords to or secures for National Grid facilities and rights in land for the construction, use, maintenance and protection of alternative apparatus in substitution for apparatus to be removed, those facilities and rights must be granted upon such terms and conditions as may be agreed between the undertaker and National Grid and must be no less favourable on the whole to National Grid than the facilities and rights enjoyed by it in respect of the apparatus to be removed unless otherwise agreed by National Grid.

(2) If the facilities and rights to be afforded by the undertaker and agreed with National Grid under sub-paragraph (1) above in respect of any alternative apparatus, and the terms and conditions subject to which those facilities and rights are to be granted, are less favourable on the whole to National Grid than the facilities and rights enjoyed by it in respect of the apparatus to be removed and the terms and conditions to which those facilities and rights are subject in the matter will be referred to arbitration in accordance with paragraph 13 (*Arbitration*) of this Part of this Schedule and the arbitrator shall make such provision for the payment of compensation by the undertaker to National Grid as appears to the arbitrator to be reasonable having regard to all the circumstances of the particular case.

### **Retained apparatus: Protection of National Grid as Electricity Undertaker**

7.—(1) Not less than 56 days before the commencement of any specified work that is near to or will or may affect any apparatus, the removal of which has not been required by the undertaker under paragraph 5(2) (removal of apparatus), the undertaker must submit to National Grid a plan of the works to be executed and seek from National Grid details of the underground extent of their electricity tower foundations.

(2) In relation to specified works which will or may be situated on, over, under or within (i) 15 metres measured in any direction of any apparatus, or (ii) involve embankment works within 15 metres of any apparatus, the plan to be submitted to National Grid under sub-paragraph (1) must include a method statement and show and describe—

- (a) the exact position of the specified works;
- (b) the level at which the specified works are proposed to be constructed or renewed;
- (c) the manner of their construction or renewal including details of excavation, positioning of plant;
- (d) the position of all apparatus;
- (e) by way of detailed drawings, every alteration proposed to be made to or close to any such apparatus;
- (f) any intended maintenance regimes; and
- (g) an assessment of risks of rise of earth issues; and
- (h) details of any ground monitoring scheme .

(3) In relation to any works which will or may be situated on, over, under or within 10 metres of any part of the foundations of an electricity tower or between any two or more electricity towers, the plan to be submitted under sub-paragraph (1) must, include a method statement which, in addition to the matters set out in sub-paragraph (2), must; -

- (a) describe details of any cable trench design including route, dimensions, clearance to pylon foundations;
- (b) demonstrate that pylon foundations will not be affected prior to, during and post construction;
- (c) describe details of load bearing capacities of trenches;
- (d) describe details of cable installation methodology including access arrangements, jointing bays and backfill methodology;
- (e) provide a written management plan for high voltage hazard during construction and ongoing maintenance of the cable route;
- (f) provide written details of the operations and maintenance regime for the cable, including frequency and method of access;
- (g) provide an assessment of earth rise potential if reasonably required by National Grid's engineers.
- (h) provide evidence that trench bearing capacity is to be designed to 26 tonnes to take the weight of overhead line construction traffic

(4) The undertaker must not commence any works to which sub-paragraphs (2) or (3) apply until National Grid has given written approval of the plan so submitted. National Grid will not unreasonably delay notification of its approval or disapproval.

(5) Any approval of the National Grid required under sub-paragraphs (2) or (3)—

- (a) may be given subject to reasonable conditions for any purpose mentioned in sub-paragraphs (6) or (8); and,
- (b) must not be unreasonably withheld or delayed.

(6) In relation to any work requiring the submission of a plan under sub-paragraph (1), National Grid may require such modifications to be made to the plans as may be reasonably necessary for the purpose of securing its apparatus against interference or risk of damage or for the purpose of providing or securing proper and convenient means of access to any apparatus.

(7) Works requiring the submission of a plan under sub-paragraph (1) must only be executed in accordance with the plan as approved or as amended from time to time by agreement between the undertaker and National Grid and in accordance with such reasonable requirements as may be made in accordance with sub-paragraphs (5), (6),(8) or (9) by National Grid for the alteration or otherwise for the protection of the apparatus, or for securing access to it, and National Grid will be entitled to watch and inspect the execution of those works.

(8) Where National Grid reasonably requires any protective works to be carried out by itself or by the undertaker (whether of a temporary or permanent nature) such protective works, inclusive of any measures or schemes required and approved as part of the plan approved pursuant to this paragraph, must be carried out to National Grid's satisfaction prior to the commencement of any authorised development (or any relevant part thereof) for which protective works are required and National Grid shall give 56 days' notice of such works from the date of submission of a plan pursuant to this paragraph (except in an emergency).

(9) If National Grid in accordance with sub-paragraphs (6) or (8) and in consequence of the works proposed by the undertaker, reasonably requires the removal of any apparatus and gives written notice to the undertaker of that requirement, sub-paragraphs (1) to (3) and (5) to (7) apply as if the removal of the apparatus had been required by the undertaker under paragraph 6(2).

(10) Nothing in this paragraph precludes the undertaker from submitting at any time or from time to time, but in no case less than 56 days before commencing the execution of the authorised development, a new plan, instead of the plan previously submitted, and having done so the provisions of this paragraph shall apply to and in respect of the new plan.

(11) The undertaker will not be required to comply with sub-paragraph (1) where it needs to carry out emergency works as defined in the 1991 Act but in that case it must give to the National Grid notice as soon as is reasonably practicable and a plan of those works and must—

- (a) comply with sub-paragraphs (6), (7) and (8) insofar as is reasonably practicable in the circumstances; and
- (b) comply with sub-paragraph (12) at all times.

(12) At all times when carrying out any works authorised under the Order, the undertaker must comply with National Grid's policies for development near overhead lines EN43-8 and HSE's guidance note 6 "Avoidance of Danger from Overhead Lines".

## Expenses

8.—(1) Subject to the following provisions of this paragraph, the undertaker must pay to National Grid on demand all charges, costs and expenses reasonably anticipated or incurred by National Grid in respect of: —

- (a) any costs reasonably incurred by or compensation properly paid by National Grid in connection with the acquisition of rights or the exercise of statutory powers for such apparatus including without limitation all costs incurred by National Grid as a consequence of National Grid;
  - (i) using its own compulsory purchase powers to acquire any necessary rights under paragraph 5(3); and/or
  - (ii) exercising any compulsory purchase powers in the Order transferred to or benefitting National Grid;
- (b) in connection with the cost of the carrying out of any diversion work or the provision of any alternative apparatus;
- (c) the cutting off of any apparatus from any other apparatus or the making safe of redundant apparatus;
- (d) the approval of plans;
- (e) the carrying out of protective works, plus a capitalised sum to cover the cost of maintaining and renewing permanent protective works;
- (f) the survey of any land, apparatus or works, the inspection and monitoring of works or the installation or removal of any temporary works reasonably necessary in consequence of the execution of any such works referred to in this Part of this Schedule.

(2) There will be deducted from any sum payable under sub-paragraph (1) the value of any apparatus removed under the provisions of this Part of this Schedule and which is not re-used as part of the alternative apparatus, that value being calculated after removal.

(3) If in accordance with the provisions of this Part of this Schedule—

- (a) apparatus of better type, of greater capacity or of greater dimensions is placed in substitution for existing apparatus of worse type, of smaller capacity or of smaller dimensions; or
- (b) apparatus (whether existing apparatus or apparatus substituted for existing apparatus) is placed at a depth greater than the depth at which the existing apparatus was situated,

and the placing of apparatus of that type or capacity or of those dimensions or the placing of apparatus at that depth, as the case may be, is not agreed by the undertaker or, in default of agreement, is not determined by arbitration in accordance with article 38 (*arbitration*) to be necessary, then, if such placing involves cost in the construction of works under this Part of this Schedule exceeding that which would have been involved if the apparatus placed had been of the existing type, capacity or dimensions, or at the existing depth, as the case may be, the amount which apart from this sub-paragraph would be payable to National Grid by virtue of sub-paragraph (1) will be reduced by the amount of that excess save where it is not possible in the circumstances to obtain the existing type of apparatus at the same capacity and dimensions or place at the existing depth in which case full costs will be borne by the undertaker.

(4) For the purposes of sub-paragraph (3)—

- (a) an extension of apparatus to a length greater than the length of existing apparatus will not be treated as a placing of apparatus of greater dimensions than those of the existing apparatus; and
- (b) where the provision of a joint in a pipe or cable is agreed, or is determined to be necessary, the consequential provision of a jointing chamber or of a manhole will be treated as if it also had been agreed or had been so determined.

(5) An amount which apart from this sub-paragraph would be payable to National Grid in respect of works by virtue of sub-paragraph (1) will, if the works include the placing of apparatus provided in substitution for apparatus placed more than 7 years and 6 months earlier so as to confer on National Grid any financial benefit by deferment of the time for renewal of the apparatus in the ordinary course, be reduced by the amount which represents that benefit.

## Indemnity

9.— (1) Subject to sub-paragraphs (2) and (3), if by reason or in consequence of the construction of any such works authorised by this Part of this Schedule or in consequence of the construction, use, maintenance or failure of any of the authorised development by or on behalf of the undertaker or in consequence of any act or default of the undertaker (or any person employed or authorised by him) in the course of carrying out such works, including without limitation works carried out by the undertaker under this Part of this Schedule or any subsidence resulting from any of these works, any damage is caused to any apparatus or alternative apparatus (other than apparatus the repair of which is not reasonably necessary in view of its intended removal for the purposes of the authorised development) or property of National Grid, or there is any interruption in any service provided, or in the supply of any goods, by National Grid, or National Grid becomes liable to pay any amount to any third party, the undertaker will—

- (a) bear and pay on demand the cost reasonably incurred by National Grid in making good such damage or restoring the supply; and
- (b) indemnify National Grid for any other expenses, loss, demands, proceedings, damages, claims, penalty or costs incurred by or recovered from National Grid, by reason or in consequence of any such damage or interruption or National Grid becoming liable to any third party as aforesaid other than arising from any default of National Grid.

(2) The fact that any act or thing may have been done by National Grid on behalf of the undertaker or in accordance with a plan approved by National Grid or in accordance with any requirement of National Grid or under its supervision does not (unless sub-paragraph (3) applies), excuse the undertaker from liability under the provisions of this sub-paragraph (1) unless National Grid fails to carry out and execute the works properly with due care and attention and in a skilful and workman like manner or in a manner that does not accord with the approved plan (or as otherwise agreed between the undertaker and National Grid pursuant to paragraph 8).

(3) Nothing in sub-paragraph (1) imposes any liability on the undertaker in respect of-

- (a) any damage or interruption to the extent that it is attributable to the neglect or default of National Grid, its officers, servants, contractors or agents; and
- (b) any authorised development and/or any other works authorised by this Part of this Schedule carried out by National Grid as an assignee, transferee or lessee of National Grid with the benefit of the Order pursuant to section 156 of the Planning Act 2008 or article 8 (*consent to transfer benefit of order*) subject to the proviso that once such works become apparatus (“new apparatus”), any authorised development yet to be executed and not falling within this sub-section 3(b) will be subject to the full terms of this Part of this Schedule including this paragraph 10.

(4) National Grid must give the undertaker reasonable notice of any such third party claim or demand and no settlement or compromise must, unless payment is required in connection with a statutory compensation scheme, be made without first consulting the undertaker and considering its representations.

(5) Not to commence construction (and not to permit the commencement of such construction) of the authorised development on any land owned by National Grid or in respect of which National Grid has an easement or wayleave for its apparatus or any other interest or to carry out any works within 15 metres of National Grid's apparatus until the following conditions are satisfied:

- (a) unless and until National Grid is satisfied acting reasonably (but subject to all necessary regulatory constraints) that the undertaker has first provided the acceptable security (and provided evidence that it shall maintain such acceptable security for the construction period of the authorised development from the proposed date of commencement of construction of the authorised development) and National Grid has confirmed the same to the undertaker in writing; and
- (b) unless and until National Grid is satisfied acting reasonably (but subject to all necessary regulatory constraints) that the undertaker has procured acceptable insurance (and provided evidence to National Grid that it shall maintain such acceptable insurance for the construction period of the

authorised development from the proposed date of commencement of construction of the authorised development) and National Grid has confirmed the same in writing to the undertaker.

(6) In the event that the undertaker fails to comply with 9(5) of this Part of this Schedule, nothing in this Part of this Schedule shall prevent the undertaker from seeking injunctive relief (or any other equitable remedy) in any court of competent jurisdiction.

### **Enactments and agreements**

**10.** Save to the extent provided for to the contrary elsewhere in this Part of this Schedule or by agreement in writing between National Grid and the undertaker, nothing in this Part of this Schedule shall affect the provisions of any enactment or agreement regulating the relations between the undertaker and National Grid in respect of any apparatus laid or erected in land belonging to the undertaker on the date on which this Order is made.

### **Co-operation**

**11.(1)** Where in consequence of the proposed construction of any of the authorised development, the undertaker or National Grid requires the removal of apparatus under paragraph 6(2) or National Grid makes requirements for the protection or alteration of apparatus under paragraph 8, the undertaker shall use its best endeavours to co-ordinate the execution of the works in the interests of safety and the efficient and economic execution of the authorised development and taking into account the need to ensure the safe and efficient operation of National Grid's undertaking and National Grid shall use its best endeavours to co-operate with the undertaker for that purpose.

(2) For the avoidance of doubt whenever National Grid's consent, agreement or approval to is required in relation to plans, documents or other information submitted by the undertaker or the taking of action by the undertaker, it must not be unreasonably withheld or delayed.

### **Access**

**12.** If in consequence of the agreement reached in accordance with paragraph 5(1) or the powers granted under this Order the access to any apparatus is materially obstructed, the undertaker must provide such alternative means of access to such apparatus as will enable National Grid to maintain or use the apparatus no less effectively than was possible before such obstruction.

### **Arbitration**

**13.** Save for differences or disputes arising under paragraph 5(2), 5(4), 6(1), 7 any difference or dispute arising between the undertaker and National Grid under this Part of this Schedule must, unless otherwise agreed in writing between the undertaker and National Grid, be determined by arbitration in accordance with article 38 (*arbitration*).

### **Notices**

**14.** The plans submitted to National Grid by the undertaker pursuant to paragraph 7(1) must be sent to National Grid Plant Protection at **plantprotection@nationalgrid.com** or such other address as National Grid may from time to time appoint instead for that purpose and notify to the undertaker in writing.

**COMPARISON BETWEEN NATIONAL GRID PROTECTIVE PROVISIONS AND FORM IN  
DRAFT ORDER AS SUBMITTED BY THE APPLICANT AT DEADLINE 5**

## PART 5 [ ]

### FOR THE PROTECTION OF NATIONAL GRID AS ELECTRICITY UNDERTAKER

#### Application

~~15.43.~~ The following provisions have effect for the protection of National Grid unless otherwise agreed in writing between the undertaker and National Grid.

#### Interpretation

~~16.44.~~ In this Part of this Schedule—

“1991 Act” means the New Roads and Street Works Act 1991;

“acceptable credit provider” means a bank or financial institution with a credit rating that is not lower than: “A-” if the rating is assigned by Standard & Poor’s Ratings Group or Fitch Ratings; and “A3” if the rating is assigned by Moody’s Investors Services Inc.;

“acceptable insurance” means a third party liability insurance effected and maintained by the undertaker with a limit of indemnity of not less than £25,000,000.00 (twenty five million pounds) per occurrence or series of occurrences arising out of one event. Such insurance shall be maintained for the construction period of the authorised development which constitute specified works and arranged with an internationally recognised insurer of repute operating in the London and worldwide insurance market underwriters whose security/credit rating meets the same requirements as an “acceptable credit provider”, such policy shall include (but without limitation):

(a) National Grid Electricity Transmission Plc as a Co-Insured;

(b) a cross liabilities clause; and

(c) contractors’ pollution liability for third party property damage and third party bodily damage arising from a pollution/contamination event with cover of £10,000,000.00 (ten million pounds) per event or £20,000,000.00 (twenty million pounds) in aggregate;

“acceptable security” means either:

(a) a parent company guarantee from a parent company in favour of National Grid Electricity Transmission Plc to cover the undertaker’s liability to National Grid Electricity Transmission Plc to a total liability cap of £25,000,000.00 (twenty five million pounds) (in a form reasonably satisfactory to National Grid and, where required by National Grid, accompanied by a legal opinion confirming the due capacity and authorisation of the parent company to enter into and be bound by the terms of such guarantee); or

(b) a bank bond or letter of credit from an acceptable credit provider in favour of National Grid Electricity Transmission Plc to cover the undertaker’s liability to National Grid Electricity Transmission Plc for an amount of not less than £10,000,000.00 (ten million pounds) per asset per event up to a total liability cap of £25,000,000.00 (twenty five million pounds) (in a form reasonably satisfactory to National Grid);

“alternative apparatus” means appropriate alternative apparatus to enable National Grid to fulfil its statutory functions in a manner no less efficient than previously;— (to the reasonable satisfaction of National Grid);

“apparatus” means electric lines or electrical plant as defined in the Electricity Act 1989, belonging to or maintained by that National Grid together with any replacement apparatus and such other apparatus constructed pursuant to ~~this~~ the Order that becomes operational apparatus of the National Grid for the purposes of transmission, distribution and/or supply and includes any structure in which apparatus is or will be lodged or which gives or will give access to apparatus;

“authorised development” has the same meaning as is given to the term “authorised development” in article 2 of this Order and (unless otherwise specified) includes any associated development authorised by the Order and for the purposes of this Part of this Schedule includes the use and maintenance of the authorised development;— and construction of any works authorised by this Schedule;

“commencement” has the same meaning as in paragraph 1 of Schedule 2 (requirements); ~~to the Order and commence shall be construed to have the same meaning save that for the purposes of this part only the term commence and commencement shall include any below ground surveys, monitoring or operations or receipt and erection of construction plant and equipment within 15 metres of any apparatus;~~

~~“deed of consent” means a deed of consent, crossing agreement, deed of variation or new deed of grant agreed between the parties acting reasonably in order to vary and/or replace existing easements, agreements, enactments and other such interests so as to secure land rights and interests as are necessary to carry out, maintain, operate and use the apparatus in a manner consistent with the terms of this Part of this Schedule;~~

“functions” includes powers and duties;

~~“ground mitigation scheme” means a scheme approved by National Grid (such approval not to be unreasonably withheld or delayed) setting out the necessary measures (if any) for a ground subsidence event;~~

~~“ground monitoring scheme” means a scheme for monitoring ground subsidence which sets out the apparatus which is to be subject to such monitoring, the extent of land to be monitored, the manner in which ground levels are to be monitored, the timescales of any monitoring activities and the extent of ground subsidence which, if exceeded, shall require the undertaker to submit for National Grid’s approval a ground mitigation scheme;~~

~~“ground subsidence event” means any ground subsidence identified by the monitoring activities set out in the ground monitoring scheme that has exceeded the level described in the ground monitoring scheme as requiring a ground mitigation scheme;~~

“in” in a context referring to apparatus or alternative apparatus in land, includes a reference to apparatus or alternative apparatus under, over, across, along or upon such land;

“maintain” and “maintenance” includes the ability and right to do any of the following in relation to any apparatus or alternative apparatus of National Grid including construct, use, repair, alter, inspect, renew or remove the apparatus;

~~“parent company” means a parent company of the undertaker acceptable to and which shall have been approved by National Grid acting reasonably~~

“plan” or “plans” include all designs, drawings, specifications, method statements, soil reports, programmes, calculations, risk assessments and other documents that are reasonably necessary properly and sufficiently to describe and assess the works to be executed; ~~and~~

“National Grid” means National Grid Electricity Transmission PLC (Company No. 2366977) whose registered office is at 1-3 Strand, London, WC2N 5EH or any of its entities or successor entities;

“specified works” means ~~so much of~~ any of the authorised development or activities ~~authorised by this Order and~~ undertaken in association with the authorised development which:

(a) will or may be situated over, or within 15 metres (measured in any direction) of any apparatus the removal of which has not been required by the undertaker under paragraph ~~47~~(2) or otherwise; ~~and/or~~

(b) may in any way adversely affect any apparatus the removal of which has not been required by the undertaker under paragraph ~~46~~(2) or otherwise; ~~and/or~~

~~45. This Part of this Schedule does~~(c) include any of the activities that are referred to in National Grid’s polices for development near overhead lines EN43-8 and HSE’s guidance note 6 “Avoidance of Danger from Overhead Lines”.

### On Street Apparatus

17. Except for paragraphs 7 (*retained apparatus: protection*), 8 (*expenses*) and 9 (*indemnity*) of this Schedule which will apply in respect of the exercise of all or any powers under the Order affecting the rights and apparatus of National Grid, the other provisions of this Schedule do not apply to apparatus in respect of which the relations between the undertaker and National Grid are regulated by the provisions of Part 3 of the 1991 Act.



## Acquisition of land

18. (1) Regardless of any provision in this Order or anything shown on the land plans or contained in the book of reference to the Order, the undertaker may not appropriate or acquire or take temporary possession of any land interest or appropriate, acquire, extinguish, interfere with or override any easement, other interest or right and/or apparatus of National Grid otherwise than by agreement.

(2) As a condition of agreement between the parties in paragraph (1), prior to the carrying out of any part of the authorised development (or in such other timeframe as may be agreed between National Grid and the undertaker) that are subject to the requirements of this Part of this Schedule that will cause any conflict with or breach the terms of any easement and/or other legal or land interest of National Grid and/or affects the provisions of any enactment or agreement regulating the relations between National Grid and the undertaker in respect of any apparatus laid or erected in land belonging to or secured by the undertaker, the undertaker must as National Grid reasonably requires enter into such deeds of consent upon such terms and conditions as may be agreed between National Grid and the undertaker acting reasonably and which must be no less favourable on the whole to National Grid unless otherwise agreed by National Grid, and it will be the responsibility of the undertaker to procure and/or secure the consent and entering into of such deeds and variations by all other third parties with an interest in the land at that time who are affected by such authorised development.

(3) Where there is any inconsistency or duplication between the provisions set out in this Part of this Schedule relating to the relocation and/or removal of apparatus/including but not limited to the payment of costs and expenses relating to such relocation and/or removal of apparatus) and the provisions of any existing easement, rights, agreements and licences granted, used, enjoyed or exercised by National Grid and/or other enactments relied upon by National Grid as of right or other use in relation to the apparatus, then the provisions in this Schedule shall prevail.

(4) No agreement or consent granted by National Grid under any other paragraph of this Part of this Schedule constitutes agreement under sub-paragraph (1).

## **Removal of apparatus**

~~18.19.46.—(1) If~~ (1) If, in the exercise of the agreement reached in accordance with paragraph 4 or in any other authorised manner, the undertaker acquires any interest in any land in which any apparatus is placed, that apparatus must not be removed under this Part of this Schedule and any right of National Grid to maintain that apparatus in that land must not be extinguished until alternative apparatus has been constructed, and is in operation to the reasonable satisfaction of National Grid— in accordance with sub-paragraph (2) to (5) inclusive.

(1) ~~(2)~~-If, for the purpose of executing any specified works—~~comprised in the authorised development~~ in, on, under or over any land purchased, held, appropriated or used under this Order, the undertaker requires the removal of any apparatus placed in that land, it must give to National Grid at least 56 days' advance written notice of that requirement, together with a plan of the work proposed, and of the proposed position of the alternative apparatus to be provided or constructed and in that case (or if in consequence of the exercise of any of the powers conferred by this Order National Grid reasonably needs to remove any of its apparatus) the undertaker must, subject to sub-paragraph (3), afford to National Grid to its satisfaction (taking into account paragraph 6(1) below) the necessary facilities and rights

(a) ~~(3)~~-for the construction of alternative apparatus in other land of or land secured by the undertaker; and

(b) subsequently for the maintenance of that apparatus.

If alternative apparatus or any part of such apparatus is to be constructed ~~as a consequence of the removal of apparatus placed on the land referred~~ elsewhere than in other land of or land secured by the undertaker, or the undertaker is unable to afford such facilities and rights as are mentioned in sub-paragraph (2), in the land in which the alternative apparatus or part of such apparatus is to be constructed, National Grid must, on receipt of a written notice to that effect from the undertaker, ~~use its best endeavours~~ take such steps as are reasonable in the circumstances in an endeavour to obtain the necessary facilities and rights in ~~other~~ the land in which the alternative apparatus is to be constructed-

~~(2)~~ ~~(4)~~ save that this obligation does not extend to the requirement for the National Grid to use its compulsory purchase powers to this end unless it elects to so do.

(3) Any alternative apparatus to be constructed in land of or land secured by the undertaker under this Part of this Schedule must be constructed in such manner and in such line or situation as may be agreed between National Grid and the undertaker.

~~(2)~~ ~~(4)~~ National Grid must, after the alternative apparatus to be provided or constructed has been agreed ~~or settled by arbitration in accordance with article 38 (arbitration) and after the~~, and subject to the prior grant to National Grid of any such facilities and rights as are referred to in sub-paragraph ~~(2) or (3)~~, proceed without unnecessary delay to construct and bring into operation the alternative apparatus and subsequently to remove any apparatus required by the undertaker to be removed under the provisions of this ~~part~~ Part of this Schedule.

~~(5) Regardless of anything in sub-paragraph (4), if the undertaker gives notice in writing National Grid that it desires itself to execute any work, or part of any work in connection with the construction or removal of apparatus, that work, instead of being executed by National Grid, must be executed by the undertaker without unnecessary delay under the superintendence, if given, and to the reasonable satisfaction of National Grid.~~

~~(5)~~ ~~(6)~~ Where there is any inconsistency or duplication between the provisions set out in this Part of this Schedule relating to the relocation and/or removal of apparatus/including but not limited to the payment of costs and expenses relating to such relocation and/or removal of apparatus and the provisions of any existing easement, rights, agreements and licences granted, used, enjoyed or exercised by National Grid and/or other enactments relied upon by National Grid as of right or other use in relation to the apparatus, then the provisions in this Schedule shall prevail.

#### Facilities and rights for alternative apparatus

~~19.20.~~ ~~(1) Where, in accordance with the provisions of this Part of this Schedule prevail, the undertaker affords to or secures for National Grid facilities and rights in land for the construction, use, maintenance and protection of alternative apparatus in substitution for apparatus to be removed, those facilities and rights must be granted upon such terms and conditions as may be agreed between the undertaker and National Grid and must be no less favourable on the whole to National Grid than the facilities and rights enjoyed by it in respect of the apparatus to be removed unless otherwise agreed by National Grid.~~

(1) If the facilities and rights to be afforded by the undertaker and agreed with National Grid under sub-paragraph (1) above in respect of any alternative apparatus, and the terms and conditions subject to which those facilities and rights are to be granted, are less favourable on the whole to National Grid than the facilities and rights enjoyed by it in respect of the apparatus to be removed and the terms and conditions to which those facilities and rights are subject in the matter will be referred to arbitration in accordance with paragraph 13 (Arbitration) of this Part of this Schedule and the arbitrator shall make such provision for the payment of compensation by the undertaker to National Grid as appears to the arbitrator to be reasonable having regard to all the circumstances of the particular case.

#### Retained apparatus: ~~protection~~ Protection of National Grid as ~~electricity undertaker~~ Electricity Undertaker

~~20.21.47.~~ ~~(1) Not less than 2856 days before the commencement of any specified work that areis near to, or will or may affect, any apparatus, the removal of which has not been required by the undertaker under paragraph 465(2) (removal of apparatus) or otherwise,~~ the undertaker must submit to National Grid a plan of the works to be executed and seek from National Grid details of the underground extent of their electricity tower foundations.

(1) ~~(2)~~ The In relation to specified works which will or may be situated on, over, under or within (i) 15 metres measured in any direction of any apparatus, or (ii) involve embankment works within 15 metres of any apparatus, the plan to be submitted to National Grid under sub-paragraph (1) must include a method statement and show — and describe —

(a) ~~(a)~~ the exact position of the specified works;

- (b) ~~(b)~~ the level at which the specified works are proposed to be constructed or renewed;
- (c) ~~(c)~~ the manner of their construction or renewal including details of excavation, positioning of plant;
- (d) ~~(d)~~ the position of all apparatus;
- (e) ~~(e)~~ by way of detailed drawings, every alteration proposed to be made to or close to any such apparatus;
- (f) ~~(f)~~ any intended maintenance regimes; and
- (g) ~~(g)~~ an assessment of risks of rise of earth issues; and
- (h) ~~(h)~~ (3) details of any ground monitoring scheme.

(2) In relation to any works which will or may be situated on, over, under or within 10 metres of any part of the foundations of an electricity tower or between any two or more electricity towers, the plan to be submitted under sub-paragraph (1) must include a method statement which in addition to the matters set out in sub-paragraph (2), must—; -

- (a) ~~(a)~~ describe details of any cable trench design including route, dimensions, clearance to pylon foundations;
- (b) ~~(b)~~ demonstrate that pylon foundations will not be affected prior to, during and post construction;
- (c) ~~(c)~~ describe details of load bearing capacities of trenches;
- (d) ~~(d)~~ describe details of cable installation methodology including access arrangements, jointing bays and backfill methodology;
- (e) ~~(e)~~ provide a written management plan for high voltage hazard during construction and ongoing maintenance of the cable route;
- (f) ~~(f)~~ provide written details of the operations and maintenance regime for the cable, including frequency and method of access;
- (g) ~~(g)~~ provide an assessment of earth rise potential if reasonably required by National ~~Grid's~~Grid's engineers; and
- (h) ~~(h)~~ provide evidence that trench bearing capacity is to be designed to 26 tonnes to take the weight of overhead line construction traffic.

(3) ~~(4)~~ The undertaker must not commence any works to which sub-~~paragraph (1) applies~~paragraphs (2) or (3) apply until National Grid has given written approval of the plan so submitted, ~~declaring that if within 35 days after the request for approval has been submitted to, National Grid it has~~will not notified the undertaker~~unreasonably delay notification of its decision (and if it is a~~approval or disapproval ~~the grounds of disapproval) it is deemed to have approved the plan.~~

(4) ~~(5)~~ Any approval of the National Grid required ~~in relation to a plan submitted under sub-paragraph (1) — paragraphs (2) or (3) —~~

- (a) ~~(a)~~ may be given subject to reasonable conditions for any purpose mentioned in sub-paragraphs (6) or (8); and
- (b) ~~(b)~~ must not be unreasonably withheld or delayed.

(5) ~~(6)~~ In relation to a~~any~~ work requiring the submission of a plan under sub-paragraph (1), National Grid may require such modifications to be made to the ~~plan~~plans as may be reasonably necessary for the purpose of securing its apparatus against interference or risk of damage or for the purpose of providing or securing proper and convenient means of access to any apparatus, ~~declaring that any such reasonable requirements must be made within a period of 28 days beginning with the date on which the plan required under sub-paragraph (1) has been submitted to National Grid.~~

(6) ~~(7)~~ Works requiring the submission of a plan under sub-paragraph (1) must only be executed in accordance with the plan, as approved or as amended from time to time by agreement between the undertaker and National Grid, and in accordance with such reasonable requirements as may be made in accordance with sub-paragraphs ~~(5), (6), (8) or (89)~~ (5), (6), (8) or (89) by National Grid for the alteration or otherwise for the protection of the apparatus, or for securing access to it, and National Grid will be entitled to watch and inspect the execution of those works.

(7) ~~(8)~~ Where National Grid reasonably ~~require~~requires any protective works ~~(whether of a temporary or permanent nature)~~ to be carried out ~~either~~ by itself or by the undertaker ~~(declaring that such protective works~~

~~must be on land held or controlled by National Grid and subject to such works being authorised by the Order or being development permitted by an Act of Parliament or general development order made under the 1990 Act whether of a temporary or permanent nature~~) such protective works, inclusive of any measures or schemes required and approved as part of the plan approved pursuant to this paragraph, must be carried out to National Grid's satisfaction prior to the commencement of any authorised development (or any relevant part thereof) for which protective works are required and National Grid ~~must~~shall give ~~28~~56 days' notice of such works from the date of submission of a plan pursuant to this paragraph (except in an emergency).

(8) ~~(9)~~ If National Grid in accordance with sub-paragraphs (6) or (8) and in consequence of the works proposed by the undertaker, reasonably requires the removal of any apparatus and gives written notice to the undertaker of that requirement, ~~paragraph 46 applies~~sub-paragraphs (1) to (3) and (5) to (7) apply as if the removal of the apparatus had been required by the undertaker under paragraph ~~46~~6(2).

(9) ~~(10)~~ Nothing in this paragraph precludes the undertaker from submitting at any time or from time to time, but in no case less than ~~28~~56 days before commencing the execution of the authorised ~~works~~development, a new plan, instead of the plan previously submitted, and having done so the provisions of this paragraph shall apply to and in respect of the new plan.

(10) ~~(11)~~ The undertaker will not be required to comply with sub-paragraph (1) where it needs to carry out emergency works as defined in the 1991 Act but in that case it must give to the National Grid notice as soon as is reasonably practicable and a plan of those works and must—

- (a) ~~(a)~~ comply with sub-paragraphs (6), (7) and (8) insofar as is reasonably practicable in the circumstances; and
- (b) ~~(b)~~ comply with sub-paragraph (12) at all times.

(11) ~~(12)~~ At all times when carrying out any works authorised under the Order, the undertaker must comply with National ~~Grid's~~Grid's policies for development near overhead lines EN43-8 and ~~the Health and Safety Executive's~~HSE's guidance note 6 "Avoidance of Danger from Overhead Lines".

## Expenses

~~21, 22, 48.~~ ~~(1)~~ Subject to the following provisions of this paragraph, the undertaker must pay to National Grid on ~~reasonable~~ demand all charges, costs and expenses reasonably anticipated or incurred by National Grid in respect of:—

- (a) ~~(a)~~ any costs reasonably incurred by or compensation properly paid by National Grid in connection with the acquisition of rights or the exercise of statutory powers for ~~any alternative~~such apparatus including without limitation all costs incurred by National Grid as a consequence of National Grid ~~using its own compulsory purchase powers to acquire any necessary rights under paragraph 46(3);~~
  - (i) ~~(b)~~using its own compulsory purchase powers to acquire any necessary rights under paragraph 5(3); and/or
  - (ii) exercising any compulsory purchase powers in the Order transferred to or benefitting National Grid;
- (b) in connection with the cost of the carrying out of any diversion work or the provision of any alternative apparatus;
- (c) ~~(c)~~ the cutting off of any apparatus from any other apparatus or the making safe of redundant apparatus;
- (d) ~~(d)~~ the approval of plans;
- (e) ~~(e)~~ the carrying out of protective works, plus a capitalised sum to cover the cost of maintaining and renewing permanent protective works;
- (f) ~~(f)~~ the survey of any land, apparatus or works, the inspection and monitoring of works or the installation or removal of any temporary works reasonably necessary in consequence of the execution of any such works referred to in this Part of this Schedule.

~~(2) If National Grid considers that a charge, cost or expense will be payable by the undertaker pursuant to sub-paragraph (1), National Grid will first provide an estimate of that charge, cost or expense and supporting information in relation to the estimate to the undertaker along with a proposed timescale for payment for consideration and the undertaker may, within a period of 21 days—~~

~~(a) provide confirmation to National Grid that the estimate is agreed and pay to National Grid, by the date stipulated, that charge, cost or expense; or~~

~~(b) provide confirmation to National Grid that the estimate is not accepted along with a revised estimate and a proposal as to how or why the undertaker considers that the estimate can be reduced or paid at a later date.~~

~~(3) National Grid must take into account any representations made by the undertaker in accordance with sub-paragraph (2) and must, within 21 days of receipt of the information pursuant to sub-paragraph (2) confirm the amount of the charge, cost or expense to be paid by the undertaker (if any) and the date when it is to be paid.~~

~~(4) National Grid must, when estimating and incurring any charge, cost or expense pursuant to this paragraph 48, do so with a view to being reasonably economic and acting as if National Grid were itself to fund the relevant fee, charge, cost or expense.~~

(2) ~~(5)~~ There will be deducted from any sum payable under sub-paragraph (1) the value of any apparatus removed under the provisions of this Part of this Schedule and which is not re-used as part of the alternative apparatus, that value being calculated after removal.

(3) ~~(6)~~ If in accordance with the provisions of this Part of this Schedule—

(a) ~~(a)~~ apparatus of better type, of greater capacity or of greater dimensions is placed in substitution for existing apparatus of worse type, of smaller capacity or of smaller dimensions; or

(b) ~~(b)~~ apparatus (whether existing apparatus or apparatus substituted for existing apparatus) is placed at a depth greater than the depth at which the existing apparatus was situated,

and the placing of apparatus of that type or capacity or of those dimensions or the placing of apparatus at that depth, as the case may be, is not agreed by the undertaker or, in default of agreement, is not determined by arbitration in accordance with article 38 (*arbitration*) to be necessary, then, if such placing involves cost in the construction of works under this Part of this Schedule exceeding that which would have been involved if the apparatus placed had been of the existing type, capacity or dimensions, or at the existing depth, as the case may be, the amount which apart from this sub-paragraph would be payable to National Grid by virtue of sub-paragraph (1) ~~must will~~ be reduced by the amount of that excess save where it is not possible in the circumstances to obtain the existing type of apparatus at the same capacity and dimensions or place at the existing depth in which case full costs will be borne by the undertaker.

(4) ~~(7)~~ For the purposes of sub-paragraph ~~(6)~~—3—

(a) ~~(a)~~ an extension of apparatus to a length greater than the length of existing apparatus ~~must will~~ not be treated as a placing of apparatus of greater dimensions than those of the existing apparatus; and

(b) ~~(b)~~ where the provision of a joint in a pipe or cable is agreed, or is determined to be necessary, the consequential provision of a jointing chamber or of a manhole ~~must will~~ be treated as if it also had been agreed or had been so determined.

(5) ~~(e)~~ An amount which apart from this sub-paragraph would be payable to National Grid in respect of works by virtue of sub-paragraph (1) ~~must will~~, if the works include the placing of apparatus provided in substitution for apparatus placed more than 7 years and 6 months earlier so as to confer on National Grid any financial benefit by deferment of the time for renewal of the apparatus in the ordinary course, be reduced by the amount which represents that benefit.

## Indemnity

~~22, 23, 49.~~ ~~(—)~~ (1) Subject to sub-paragraphs (2), ~~(3)~~ and ~~(4)~~3, if by reason or in consequence of the construction of any such works authorised by this Part of this Schedule or in consequence of the construction, use, maintenance or failure of any of the authorised development by or on behalf of the undertaker or any negligence in consequence of any act or default of the undertaker (or any person employed or authorised by him) in the course of carrying out such works, including without limitation works carried out by the undertaker under this Part of this Schedule, ~~any material~~ or any subsidence resulting from any of these works, any damage is caused to any apparatus or alternative apparatus (other than apparatus the repair of which is not reasonably necessary in view of its intended removal for the purposes of the ~~these works~~ authorised development) or property of National Grid, ~~the undertaker or there~~ is liable for the cost

~~reasonably incurred~~ any interruption in any service provided, or in the supply of any goods, by National Grid ~~in making good such damage-~~, or National Grid becomes liable to pay any amount to any third party, the undertaker will—

- (a) ~~(2)~~ bear and pay on demand the cost reasonably incurred by National Grid in making good such damage or restoring the supply; and
- (b) indemnify National Grid for any other expenses, loss, demands, proceedings, damages, claims, penalty or costs incurred by or recovered from National Grid, by reason or in consequence of any such damage or interruption or National Grid becoming liable to any third party as aforesaid other than arising from any default of National Grid.

(2) The fact that any act or thing may have been done by National Grid on behalf of the undertaker or in accordance with a plan approved by National Grid or in accordance with any requirement of National Grid or under its supervision does not (unless sub-paragraph (3) applies), excuse the undertaker from liability under the provisions of this sub-paragraph (1) unless National Grid fails to carry out and execute the works properly with due care and attention and in a skilful and workman like manner or in a manner that does not accord with the approved plan (or as otherwise agreed between the undertaker and National Grid pursuant to paragraph 8)

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(3) Nothing in sub-paragraph (1) imposes any liability on the undertaker in respect of—

- (a) any damage or interruption to the extent that it is attributable to the neglect, ~~act~~ or default of National Grid, its officers, servants, contractors or agents-; and
- (b) ~~(3)~~ any authorised development and/or any other works authorised by this Part of this Schedule carried out by National Grid as an assignee, transferee or lessee of National Grid with the benefit of the Order pursuant to section 156 of the Planning Act 2008 or article 8 (*consent to transfer benefit of order*) subject to the proviso that once such works become apparatus (“new apparatus”), any authorised development yet to be executed and not falling within this sub-section 3(b) will be subject to the full terms of this Part of this Schedule including this paragraph 10.

~~(2)~~(4) National Grid must give the undertaker reasonable notice of any such third party claim or demand and no settlement or compromise is to be made, unless payment is required in connection with a statutory compensation scheme, be without first consulting the undertaker and considering ~~their~~ its representations.

~~(4) National Grid must use its reasonable endeavours to mitigate in whole or in part and to minimise any costs, expenses, loss, demands and penalties to which the indemnity under this paragraph 49 applies. If requested to do so by the undertaker, National Grid must provide an explanation of how the claim has been minimised. The undertaker is only liable under this paragraph 49 for claims reasonably incurred by National Grid and National Grid is not entitled to recover any indirect or consequential losses or losses of profits from the undertaker.~~

(5) Not to commence construction (and not to permit the commencement of such construction) of the authorised development on any land owned by National Grid or in respect of which National Grid has an easement or wayleave for its apparatus or any other interest or to carry out any works within 15 metres of National Grid's apparatus until the following conditions are satisfied:

- (a) unless and until National Grid is satisfied acting reasonably (but subject to all necessary regulatory constraints) that the undertaker has first provided the acceptable security (and provided evidence that it shall maintain such acceptable security for the construction period of the authorised development from the proposed date of commencement of construction of the authorised development) and National Grid has confirmed the same to the undertaker in writing; and
- (b) unless and until National Grid is satisfied acting reasonably (but subject to all necessary regulatory constraints) that the undertaker has procured acceptable insurance (and provided evidence to National Grid that it shall maintain such acceptable insurance for the construction period of the authorised development from the proposed date of commencement of construction of the authorised development) and National Grid has confirmed the same in writing to the undertaker.

(6) In the event that the undertaker fails to comply with 9(5) of this Part of this Schedule, nothing in this Part of this Schedule shall prevent the undertaker from seeking injunctive relief (or any other equitable remedy) in any court of competent jurisdiction.

## Enactments and agreements

~~23.24.50.~~ Save to the extent provided for to the contrary elsewhere in this Part of this Schedule or by agreement in writing between National Grid and the undertaker, nothing in this Part of this Schedule ~~affects~~shall affect the provisions of any enactment or agreement regulating the relations between the undertaker and National Grid in respect of any apparatus laid or erected in land belonging to the undertaker on the date on which this Order is made.

## Co-operation

~~24.25.51. National Grid and~~(1) Where in consequence of the proposed construction of any of the authorised development, the undertaker must or National Grid requires the removal of apparatus under paragraph 6(2) or National Grid makes requirements for the protection or alteration of apparatus under paragraph 8, the undertaker shall use their reasonableits best endeavours to co-ordinate with each other on the timing and method of the the execution of anythe works carried out under this Order or this part of this Schedule in the interests of safety and the efficient and economic execution of the authorised development and taking into account the need to ensure the safe and efficient operation of the other party's operations. National Grid's undertaking and National Grid shall use its best endeavours to co-operate with the undertaker for that purpose.

(2) For the avoidance of doubt whenever National Grid's consent, agreement or approval to is required in relation to plans, documents or other information submitted by the undertaker or the taking of action by the undertaker, it must not be unreasonably withheld or delayed.

## Access

~~25.26.52.~~ If in consequence of the agreement reached in accordance with paragraph 5(1) or the powers granted under this Order the access to any apparatus is materially obstructed, the undertaker must provide such alternative means of access to such apparatus as will enable National Grid to maintain or use the apparatus no less effectively than was possible before such obstruction.

## Arbitration

~~26.27.53. Any~~ Save for differences or disputes arising under paragraph 5(2), 5(4), 6(1), 7 any difference or dispute arising between the undertaker and National Grid under this Part of this Schedule must, unless otherwise agreed in writing between the undertaker and National Grid, be determined by arbitration in accordance with article 38 (*arbitration*).

## Notices

~~27.28.54.~~ The plans submitted to National Grid by the undertaker pursuant to paragraph ~~47~~7(1) must be sent to National Grid Plant Protection at plantprotection@nationalgrid.com or such other address as National Grid may from time to time appoint instead for that purpose and notify to the undertaker in writing.