

FAST RESERVE

TENDER RULES AND

STANDARD CONTRACT TERMS

ISSUE #4

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** [changes required to complement the Demand Response Services Code in discharge of obligations under European Regulation (EU) 2016/1388 are effective from 1st January 2019]*

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NATIONAL GRID ELECTRICITY TRANSMISSION plc

FAST RESERVE **TENDER RULES AND** **STANDARD CONTRACT TERMS**

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SECTION 1 OVERVIEW OF FAST RESERVE CONTRACTING PROCESS

1.1 CONTRACT FRAMEWORK

1.1.1 The structure of this **Document** and **Framework Agreement** and the **Firm Fast Reserve Tender** is as follows:

(a) **Overall Structure**

This **Document** together with the **Framework Agreement** has been designed to create a straightforward and transparent contracting process.

(b) **This Document**

This **Document** contains the requirements for interested parties to offer to provide **Fast Reserve** to **National Grid**, and the detailed service terms. It also contains the terms upon which **National Grid** may agree with a **Fast Reserve Provider** for the provision of **Optional Fast Reserve**. It is to be read and construed alongside the applicable **Framework Agreements** and the contents of **Firm Fast Reserve Tenders**.

(c) **Framework Agreements**

The **Framework Agreement** gives contractual effect to the relevant provisions of this **Document** as between **National Grid** and the **Fast Reserve Provider**, and also contains the service data specific to the **Fast Reserve Provider's** plant and equipment that it wishes to tender to provide **Fast Reserve**. It enables a **Fast Reserve Provider** to both submit a **Firm Fast Reserve Tender** and be instructed to provide the **Optional Service**.

(d) **Fast Reserve Contract**

A **Fast Reserve Contract** is not a document, but is the terminology used to describe the legally binding contract between **National Grid** and a **Fast Reserve Provider** created when **National Grid** accepts a **Firm Fast Reserve Tender** or instructs the **Fast Reserve Provider** to provide the **Optional Service**.

1.2 THIS DOCUMENT

1.2.1 This **Document** may be amended or re-issued by **National Grid** from time to time, and any amendment and re-issue of this **Document** shall generally supersede this **Document** and be incorporated in the existing **Fast Reserve Contract(s)** as between **National Grid** and that **Fast Reserve Provider**.

1.3 FRAMEWORK AGREEMENTS

1.3.1 If the prospective **Fast Reserve Provider** wishes to provide **Fast Reserve** to **National Grid** from any **Generating Unit(s)** and/or other **Plant** and **Apparatus**, it may seek to agree the terms of, and enter into, a **Framework Agreement** with **National Grid** in respect of such **Generating Unit(s)** and/or other **Plant** and **Apparatus** in order to accede to the terms of this **Document**.

1.3.2 By entering into the **Framework Agreement** the **Fast Reserve Provider** will, subject always to subparagraphs 1.3.4 and 1.3.5, be permitted to provide the **Optional Service** and to submit **Firm Fast Reserve Tender(s)** with respect to such **Generating Unit(s)** and/or other **Plant** and **Apparatus**.

- 1.3.3 Each **Framework Agreement** shall, as between **National Grid** and the **Fast Reserve Provider**, give contractual effect to this **Document** (as amended from time to time subject to and in accordance with paragraph 5.2) and the provisions of this **Document** shall be deemed to be incorporated therein, save that **National Grid** and the **Fast Reserve Provider** may agree, by way of **Special Condition(s)**, to modify, disapply and/or supplement any provision of this **Document** where necessary to accommodate plant or location specific technical requirements or as otherwise contemplated by this **Document**, and this **Document** shall be read and construed accordingly.
- 1.3.4 Where the provision of **Fast Reserve** from any **Generating Unit** and/or other **Plant** and **Apparatus** is dependent on the carrying out of works to such **Generating Unit** and/or other **Plant** and **Apparatus**, then the **Fast Reserve Provider** may not provide the **Optional Service** or submit a **Firm Fast Reserve Tender** with respect thereto unless and until either the **Fast Reserve Provider** shall have agreed the terms of and entered into with **National Grid** a **Framework Agreement** containing the **Mandatory Works Provisions**, or as the case may be an existing **Framework Agreement** shall have been amended in terms to be agreed so as to include the **Mandatory Works Provisions**.
- 1.3.5 For the avoidance of doubt, nothing in this **Document** or any **Framework Agreement** shall create any rights and/or obligations as between two or more **Fast Reserve Providers**.
- 1.3.6 The terms of the **Framework Agreement** shall remain in force until terminated either:-
- (a) by either or both **Parties** in accordance with this **Document**; or
 - (b) in accordance with the terms of the **Framework Agreement**.

1.4 FAST RESERVE CONTRACTS

- 1.4.1 A **Fast Reserve Contract** shall be formed upon the terms set out in this **Document** and the relevant **Framework Agreement** in respect of both **Firm Fast Reserve** and **Optional Fast Reserve**, and shall constitute a legally binding contract between the **Fast Reserve Provider** and **National Grid** for provision by the **Fast Reserve Provider** of **Fast Reserve**.
- 1.4.2 A **Fast Reserve Contract** in respect of **Firm Fast Reserve** shall be formed upon acceptance by **National Grid** of a **Firm Fast Reserve Tender** in accordance with this **Document**.
- 1.4.3 A **Fast Reserve Contract** in respect of **Optional Fast Reserve** shall be formed upon issue by **National Grid** of either a **Bid-Offer Acceptance** or an **Optional Service Instruction** (as applicable) following confirmation by the **Fast Reserve Provider** of availability of **Optional Fast Reserve**, in each case in accordance with this **Document**.

1.5 FAST RESERVE UNITS

- 1.5.1 Any **Generating Unit(s)** and/or other **Plant** and **Apparatus** which is included in a **Framework Agreement** is referred to in this **Document** as a **Fast Reserve Unit**.
- 1.5.2 A **Fast Reserve Unit** may comprise either a single **Generating Unit** or source of controllable **Demand** or other **Plant** and **Apparatus** (including battery storage), or a collection of such **Plant** and **Apparatus** located at the same or different locations, which together can meet the capability requirements of subparagraph 3.2 via a single point of contact and control.

- 1.5.3 A **Fast Reserve Unit** may also comprise **Plant** and **Apparatus** which is established and registered as a **BM Unit** under and in accordance with the **Balancing and Settlement Code**.
- 1.5.4 Where a **Fast Reserve Unit** is not **BM Participating**, it shall be designated in the **Framework Agreement** as either a **Type 1 Site** or a **Type 2 Site**, indicating (respectively) delivery of **Fast Reserve** from either a fixed or a variable profile of MW.
- 1.5.5 For the purposes of verifying compliance with the capability requirements of sub-paragraph 3.2, and with respect to any **Generating Unit** and/or other **Plant** or **Apparatus**, **National Grid** reserves the right to require any prospective **Fast Reserve Provider** wishing to enter into a **Framework Agreement** to submit to (at its own cost), and pass, a **Fast Reserve Pre-Qualification Assessment**, and in respect thereof the provisions of Section 4 shall apply.
- 1.5.6 For the purposes of verifying continued compliance of a **Fast Reserve Unit** with the capability requirements of sub-paragraph 3.2, **National Grid** reserves the right at any time during the subsistence of a **Framework Agreement** to require the party thereto to submit to (at its own cost) a **Reproving Test**, and failure to submit to, or pass, such **Reproving Test** shall entitle **National Grid** to terminate that **Framework Agreement** in respect of the relevant **Fast Reserve Unit** in accordance with sub-paragraph 5.5.4.
- 1.5.7 A **Fast Reserve Unit** which is the subject of an extant **Fast Reserve Contract** for **Firm Fast Reserve** is referred to in the **Document** as a **Firm Fast Reserve Unit**.

SECTION 2 TENDER RULES

2.1 INTRODUCTION

2.1.1 This Section 2 describes the tendering process by which **National Grid** will procure **Firm Fast Reserve** from **Fast Reserve Providers**. Only if a **Firm Fast Reserve Tender** submitted pursuant to this process is accepted by **National Grid** (or where the context otherwise requires) will the provisions of Section 3 and the remainder of this **Document** apply with respect to the provision of and payment for **Firm Fast Reserve** in relation to the **Fast Reserve Unit** in question.

2.1.2 The tendering process referred to in this Section 2 is more particularly described in the **Firm Fast Reserve Tender Procedure**

2.2 TENDER PARTICIPATION REQUIREMENTS

2.2.1 It shall be a pre-condition to participating in any tender process described in this Section 2 that, at the time of submission of a **Firm Fast Reserve Tender**, there subsists a **Framework Agreement** between **National Grid** and the **Fast Reserve Provider** relating to the relevant **Fast Reserve Unit**.

2.2.2 Unless otherwise stipulated in the **Firm Fast Reserve Tender Procedure**, **National Grid** expects that, to be eligible to participate in any tender process, the **Fast Reserve Unit** will be capable of meeting each of the capability requirements set out in sub-paragraph 3.2.

2.2.3 A **Fast Reserve Provider** may submit a **Firm Fast Reserve Tender** with respect to a **Fast Reserve Unit** which comprises **Plant** and **Apparatus** which is dependent on the carrying out of works for the construction or modification, and commissioning, of such **Plant** and **Apparatus**, but in such case the **Framework Agreement** must contain the **Mandatory Works Provisions** as required by sub-paragraph 1.3.4.

2.3 FIRM FAST RESERVE TENDER TIMETABLE

2.3.1 By the eighteenth **Business Day** of a calendar month, **National Grid** may publish on the **Industry Information Website** its estimated aggregate requirement for **Fast Reserve** (in MW) in **Service Windows** for each **EFA Day** in the next but one following calendar month (“the **Service Requirement Month**”).

2.3.2 Unless otherwise specified in the **Firm Fast Reserve Tender Procedure**, each **Firm Fast Reserve Tender** shall be submitted no later than the first **Business Day** of the calendar month immediately prior to the **Service Requirement Month** (“**Tender Month**”).

2.3.3 Each **Fast Reserve Tender** shall comprise either a **Month Ahead Tender** or a **Long Term Tender**, save that **Long Term Tenders** may only be submitted in the **Tender Months** as outlined in the **First Fast Reserve Tender Procedure**.

2.4 CONTENTS OF FIRM FAST RESERVE TENDERS

2.4.1 Save to the extent otherwise stipulated in the **Firm Fast Reserve Tender Procedure**, each **Firm Fast Reserve Tender** shall specify:-

- (a) the identity of the **Fast Reserve Provider**;

- (b) a unique identifier for the tendered **Fast Reserve Unit** (including the related meter point administration number(s) (if available)) and whether or not **BM Participating**;
- (c) where applicable, the **Lead Aggregation Site**;
- (d) the **Tendered Service Term** which shall meet the requirements of sub-paragraph 2.4.5;
- (e) the tendered **Service Windows** to apply in each **EFA Day** throughout the **Tendered Service Term**;
- (f) the tendered **Contract Prices**, to apply in all tendered **Service Windows**;
- (g) in the case of a **Fast Reserve Unit** which is **BM Participating**, the **MW Delivery** or **MW Delivery Profile** (as the case may be);
- (h) in the case of a **Fast Reserve Unit** which is not **BM Participating**, any enhancements offered to the **Contracted MW** (if a **Type 1 Site**) or revisions to the **Contracted MW Profile** (if a **Type 2 Site**); and
- (i) any **Utilisation Restrictions**,

together the “**Tendered Service Parameters**”.

2.4.2 In addition, for information and/or assessment purposes, save to the extent stipulated in the **Firm Fast Reserve Tender Procedure**, each **Firm Fast Reserve Tender** shall specify, in relation to the **Fast Reserve Unit**:-

- (a) its fuel type;
- (b) its location and postcode, including where applicable that of the **Lead Aggregation Site**;
- (c) its ramp rate (MW/min) and response time (MW/min).

2.4.3 In respect of any **Fast Reserve Unit**, a **Fast Reserve Provider** may not submit multiple **Firm Fast Reserve Tenders** which cover the same, or overlapping, **Tendered Service Terms**.

2.4.4 All **Firm Fast Reserve Tenders** shall:-

- (a) be fully compliant (without any qualification) with the requirements of this **Document**;
- (b) not be accompanied by statements that could be construed by **National Grid** as rendering the **Firm Fast Reserve Tender** equivocal and/or prevent its evaluation on an equal basis with other **Firm Fast Reserve Tenders**; and
- (c) be submitted by the method or methods prescribed in that **Firm Fast Reserve Tender Procedure**.

2.4.5 The **Tendered Service Term** shall comprise either:-

- (a) for **Month Ahead Tenders**, the single calendar month which next follows the **Tender Month** (being the **Service Requirement Month**); or
- (b) for **Long Term Tenders**, unless otherwise specified in the **Firm Fast Reserve Tender Procedure**-

- (i) the consecutive three calendar months which next follow the **Tender Month** (being the **Service Requirement Month** and the following two calendar months); or
- (ii) the consecutive six calendar months in either of the next two following **Fast Reserve Seasons**; or
- (iii) the consecutive eight calendar months in the next following **Fast Reserve Season** plus the two calendar months which immediately precede it (the first of which being the **Service Requirement Month**); or
- (iv) the consecutive twelve calendar months in both of the next following **Fast Reserve Seasons**.

2.4.6 If there are any amendments and/or additions which **Fast Reserve Providers** require to be made to this **Document** as a condition of **National Grid**'s acceptance of a **Firm Fast Reserve Tender**, these shall be indicated either on a separate sheet or by annotation on a copy of this **Document** or as may otherwise be prescribed by the prevailing **Firm Fast Reserve Tender Procedure** and in each case shall accompany the **Firm Fast Reserve Tender**.

2.4.7 If any further information is required to assist with the preparation of a **Firm Fast Reserve Tender**, the **Firm Fast Reserve Provider** should request this information from **National Grid**. **National Grid** may consider it necessary to copy any further information given in response to specific enquiries to all other **Firm Fast Reserve Providers**. No further information will be issued by **National Grid** after the deadline for submission of **Firm Fast Reserve Tenders** referred to in sub-paragraph 2.3.2.

2.4.8 No costs or expenses incurred by **Fast Reserve Providers** in the course of preparing and/or submitting any **Firm Fast Reserve Tender** shall be paid by **National Grid**.

2.4.9 Save to the extent published by **National Grid** pursuant to sub-paragraph 2.9, the contents of each **Firm Fast Reserve Tender** shall be treated as private and confidential. **Fast Reserve Providers** must not divulge or release details of any **Firm Fast Reserve Tender** documentation to any third party, other than on an "in confidence" basis to those parties having a legitimate need to know, or whom they need to consult for the purpose of preparing a tender.

2.5 **NON-COLLUSION**

2.5.1 By submitting a **Firm Fast Reserve Tender**, each **Fast Reserve Provider** hereby warrants and undertakes to **National Grid** that it has neither fixed nor adjusted the tendered **Contract Prices** under or in accordance with any agreement or arrangement with any other person, and that it has neither communicated to a person (other than its professional advisers) the amount or approximate amount of the tendered **Contract Prices** (other than in confidence in order to obtain quotations necessary for insurance purposes) nor entered into any agreement or arrangement with any other person to restrain that other person from tendering or to fix or adjust the tendered **Contract Prices** to be submitted by that other person, and each **Fast Reserve Provider** indemnifies **National Grid** from and against any losses, liabilities, claims, expenses and demands which **National Grid** might suffer as a result of the **Fast Reserve Provider** being in breach of any warranty and/or undertaking set out in this sub-paragraph 2.5.

2.6 WITHDRAWAL AND DISQUALIFICATION OF FIRM FAST RESERVE TENDERS

2.6.1 A **Firm Fast Reserve Provider** may by notice to **National Grid** withdraw a **Firm Fast Reserve Tender** provided that such notice of withdrawal is received by **National Grid** no later than 11:00 hours on the sixth **Business Day** which follows the deadline for submission of **Firm Fast Reserve Tenders** referred to in sub-paragraph 2.3.2.

2.6.2 Such withdrawal shall only be effective where sent by first class prepaid post, e-mail or facsimile to **National Grid** at the address, facsimile number or e-mail address stated in the **Framework Agreement**.

2.6.3 If, in the sole judgment of **National Grid**, a **Fast Reserve Provider** has failed to submit a compliant **Firm Fast Reserve Tender**, **National Grid** reserves the right to:-

- (a) accept that **Firm Fast Reserve Tender**; or
- (b) disqualify that **Firm Fast Reserve Tender**; and/or
- (c) take any other action as it deems appropriate in the circumstances including requesting the **Fast Reserve Provider** to amend any information set out in the **Firm Fast Reserve Tender** (but not the prices) and resubmit a non-compliant **Firm Fast Reserve Tender** so that it is made compliant.

2.6.4 **National Grid**'s decision as to whether or not a **Firm Fast Reserve Tender** is compliant shall be final, and the **Firm Fast Reserve Provider** may be notified of its decision without prior consultation or explanation.

2.7 TENDER ASSESSMENT

2.7.1 As soon as reasonably practicable following receipt of the **Firm Fast Reserve Tender**, **National Grid** may request that the **Fast Reserve Provider** provide clarification with regard to any one or more items of information contained in the **Firm Fast Reserve Tender** for the purpose of enabling **National Grid** to assess that **Firm Fast Reserve Tender**, and the **Fast Reserve Provider** shall provide such clarification in a timely manner.

2.7.2 When assessing **Firm Fast Reserve Tenders**, **National Grid** shall take account (in no particular order) of the **Tender Assessment Principles**.

2.8 ACCEPTANCE AND REJECTION

2.8.1 No later than 11:00 hours on the thirteenth **Business Day** which follows the deadline for submission of **Firm Fast Reserve Tenders** referred to in sub-paragraph 2.3.2, **National Grid** shall notify in writing each **Fast Reserve Provider** whose **Firm Fast Reserve Tender(s)** has been accepted of its final decision, which shall be final and binding.

2.8.2 Such acceptance shall only be effective where sent by first class prepaid post, e-mail or facsimile to the **Fast Reserve Provider** at the postal address, e-mail address or facsimile number stated in the **Framework Agreement** (or otherwise notified by the **Fast Reserve Provider** to **National Grid** for such purpose), and for the avoidance of doubt publication by **National Grid** on its **Industry Information Website** of details of **Firm Fast Reserve Tender** acceptances shall not constitute acceptance for the

purposes of this sub-paragraph 2.8.2. Any **Firm Fast Reserve Tenders** in respect of which the **Fast Reserve Provider** is not so notified of acceptance by such date for acceptance referred to above shall be deemed to have been rejected.

- 2.8.3 Subject to sub-paragraphs 2.8.7 and 2.8.8, acceptance by **National Grid** of each **Firm Fast Reserve Tender** shall constitute formation of a **Fast Reserve Contract**, which shall be personal to the **Fast Reserve Provider** and may not be assigned otherwise than in accordance with paragraph 5.6 without the consent of **National Grid** (not to be unreasonably withheld or delayed).
- 2.8.4 Upon notification by **National Grid** to the **Fast Reserve Provider** of acceptance of the **Firm Fast Reserve Tender**, and for the duration of the **Tendered Service Term**:-
- (a) the provisions of Section 3 relating to the **Firm Service** shall apply in respect of that **Fast Reserve Unit**; and
 - (b) in each of the **Firm Fast Reserve Windows** (excluding any periods of substitution), the **Optional Service** shall be deemed to be unavailable from that **Fast Reserve Unit** (or, where applicable from any **Fast Reserve Unit** nominated as a substitute thereof for the duration of such substitution), and the **Fast Reserve Provider** may not submit another tender for the **Firm Service** pursuant to the foregoing provisions of this Section 2.
- 2.8.5 As a condition of accepting any **Fast Reserve Tender**, **National Grid** reserves the right at its sole discretion to require amendments and/or additions to this **Document** including without limitation where necessary and/or desirable to take account of or otherwise reflect the technical or other conditions or features of the tendered **Fast Reserve Unit**.
- 2.8.6 Amendments and/or additions to this **Document** either indicated by a **Fast Reserve Provider** pursuant to sub-paragraph 2.4.6 or required by **National Grid** pursuant to sub-paragraph 2.8.5, shall be incorporated into the relevant **Fast Reserve Contract(s)** by way of the inclusion of such amendments and/or additions as **Special Conditions** in Appendix 2 of the relevant **Framework Agreement**, and for the avoidance of doubt such amendments and/or additions shall have effect only with respect to the **Firm Fast Reserve Tender** in question, and for the avoidance of doubt shall not thereby be incorporated into the **Fast Reserve Contract** between **National Grid** and any other **Fast Reserve Provider**.
- 2.8.7 Where **National Grid** has accepted a **Firm Fast Reserve Tender** in respect of a **Fast Reserve Unit** which is the subject of **Mandatory Works Provisions**, such acceptance shall be conditional upon such **Plant** and **Apparatus** successfully completing and commissioning in accordance with such **Mandatory Works Provisions**.
- 2.8.8 Where **National Grid** has accepted a **Firm Fast Reserve Tender** in respect of which the **Fast Reserve Provider** has specified an appointed agent pursuant to sub-paragraph 5.10, such acceptance shall be conditional upon terms with respect thereof being agreed between the **Parties** and recorded in the **Framework Agreement**.
- 2.8.9 Where **National Grid** has accepted a **Firm Fast Reserve Tender** in respect of a **Fast Reserve Unit** which is not **BM Participating**, the **Fast Reserve Provider** shall (to the extent not already provided in the **Firm Fast Reserve Tender** or in the **Framework Agreement**) provide to **National Grid** the meter

point administration number(s) in respect of that **Fast Reserve Unit** as soon as reasonably practicable following **National Grid's** acceptance of the relevant **Firm Fast Reserve Tender**.

2.9 MARKET INFORMATION

2.9.1 To assist **Fast Reserve Providers** in the tender process described in this Section 2, **National Grid** shall, but shall be under no obligation to do so, publish on its **Industry Information Website** such information as it reasonably considers to be relevant and helpful in the preparation of **Firm Fast Reserve Tenders**.

Post tender reports

2.9.2 Pursuant to sub-paragraph 2.9.1, **National Grid** shall use reasonable endeavours to publish on its **Industry Information Website** on the same day that it notifies **Fast Reserve Providers** of acceptance of **Firm Fast Reserve Tenders** pursuant to sub-paragraph 2.8.1, a report of **Firm Fast Reserve Tenders** received during the **Tender Round**, containing the following information:-

- (a) number of **Fast Reserve Units** eligible to tender;
- (b) number of **Fast Reserve Units** tendered;
- (c) number of **Fast Reserve Units** that are currently the subject of a **Fast Reserve Contract** as a result of the acceptance by **National Grid** of a **Firm Fast Reserve Tender** pursuant to sub-paragraph 2.8.1 prior to the **Tender Month** in question;
- (d) aggregate MW available in respect of those **Fast Reserve Contracts** referred to in sub-paragraph 2.9.2(c);
- (e) aggregate MW specified in those **Firm Fast Reserve Tenders** received by **National Grid** during the applicable **Tender Month**;
- (f) aggregate MW of those **Firm Fast Reserve Tenders** accepted by **National Grid** pursuant to sub-paragraph 2.8.1;
- (g) an indication of which of the **Fast Reserve Units** that are the subject of a **Firm Fast Reserve Contract** are the subject of **Mandatory Works Provisions**; and
- (h) **Tendered Service Term** (including the commencement thereof) of those **Firm Fast Reserve Tenders** accepted by **National Grid** pursuant to sub-paragraph 2.8.1.

2.9.3 For the purposes of sub-paragraph 5.7, each **Fast Reserve Provider** consents to the disclosure by **National Grid** of information pursuant to this paragraph 2.9 insofar as related to it and/or the contents of any **Firm Fast Reserve Tender** submitted by it and/or any **Fast Reserve Contract** to which it is a party, including without limitation the prevailing **Enhanced Rates Availability Fee** and/or the prevailing **Optional Availability Fee** and/or **Optional Energy Fee** in respect of any **Fast Reserve Unit**, and any revisions thereto.

2.9.4 **National Grid** shall not be bound to comply with the provisions of this paragraph 2.9 with respect to the publication of information if and to the extent that to do so would in **National Grid's** reasonable opinion restrict, distort or prevent competition in the provision of **Fast Reserve** or be likely to do so.

SECTION 3 **FAST RESERVE CONTRACT TERMS**

3.1 INTRODUCTION

3.1.1 The provisions of this Section 3 shall apply with respect to a **Fast Reserve Provider** who has submitted a **Firm Fast Reserve Tender(s)** which has been accepted (in whole or in part) by **National Grid** in respect of the **Fast Reserve Unit** specified in such **Firm Fast Reserve Tender** pursuant to sub-paragraph 2.8.1 so as to form a **Fast Reserve Contract**.

3.1.2 The provisions of this Section 3 shall also apply with respect to the provision by the **Fast Reserve Provider** of the **Optional Service** from **Fast Reserve Units**.

3.2 SERVICE CAPABILITY REQUIREMENTS

3.2.1 **Fast Reserve** delivered as either the **Firm Service** or the **Optional Service** shall require the relevant **Fast Reserve Unit** to meet each of the following mandatory capability requirements with respect to **Fast Reserve**, each to be demonstrable to **National Grid**'s reasonable satisfaction:-

- (a) the capability to provide **Fast Reserve** within 2 minutes of instruction at rates equal to or greater than 25 MW per minute (or as may otherwise be advised by **National Grid** from time to time);
- (b) the capability to sustain continuous provision of **Fast Reserve** for a minimum period of 15 minutes;
- (c) the capability to cease provision of **Fast Reserve** within 2 minutes of instruction at rates equal to or greater than 25 MW per minute;
- (d) the capability to provide either singularly or in aggregate, with respect to any **Generating Unit** and/or other **Plant** or **Apparatus**, a **MW Delivery** or **Contracted MW** (as the case may be) of not less than 25 MW;
- (e) the capability to deliver **Fast Reserve** against a constant **MW Delivery** or **Contracted MW** (as the case may be) or, where applicable, against a known **MW Delivery Profile** or **Contracted MW Profile**;
- (f) where not **BM Participating**, the ability to receive a **Firm Instruction** and make and receive other communications to and from **National Grid** using the **Web Services**; and
- (g) the capability to comply in all respects with the **Demand Response Services Code** (where applicable).

3.3 FIRM SERVICE

Notification of Firm Fast Reserve Windows

3.3.1 No later than 36 hours prior to the commencement of each **EFA Day** during the **Contracted Service Term**, **National Grid** may notify the **Fast Reserve Provider**, by facsimile in the applicable form set out in Section 8 of those **Settlement Periods** comprised within the **Contracted Service Periods** for that **EFA Day** in respect of which **National Grid** requires the **Firm Service** to be provided from one or more of the **Firm Fast Reserve Units** ("the **Firm Fast Reserve Window(s)**"). Such notification shall take account of any relevant **Utilisation Restrictions** in respect of the **Firm Fast Reserve Unit(s)**.

3.3.2 The **Fast Reserve Provider** shall acknowledge receipt of such notification as soon as reasonably practicable by facsimile in the applicable form set out in Section 8. Failure by the **Fast Reserve Provider** to acknowledge receipt in accordance with sub-paragraph 3.3.1 shall not relieve the **Fast Reserve Provider** of its obligations set out in sub-paragraph 3.3.4.

3.3.3 Failing notification by **National Grid** pursuant to sub-paragraph 3.3.1 in respect of any **Firm Fast Reserve Unit**, **National Grid** shall be deemed not to require provision of the **Firm Service** from that **Firm Fast Reserve Unit** during any of the **Contracted Service Periods** for the **EFA Day** in question, but, for the avoidance of doubt, **National Grid**'s obligation contained in sub-paragraph 3.3.13 to pay the **Firm Availability Payment** shall be unaffected.

Service Availability

3.3.4 Where **National Grid** shall have notified the **Fast Reserve Provider** of the **Firm Fast Reserve Window(s)** in respect of any **EFA Day**, and in respect of each **Settlement Period** comprised within such **Firm Fast Reserve Window(s)**, the **Fast Reserve Provider** shall procure:-

(a) where the **Firm Fast Reserve Unit** is **BM Participating**, and to enable either provision of the **MW Delivery** or the following of the **MW Delivery Profile** (as the case may be):-

(i) that the **Physical Notification(s)** and associated **Bid-Offer Data** prevailing at **Gate Closure** shall be consistent with (or, in the case of bid-offer prices, shall not exceed) the respective **Base Service Parameters** and the respective **Capped Bid-Offer Price**; and

(ii) that the **Dynamic Parameters** and **Maximum Export Limit** shall be revised (where necessary) so as to be consistent with the relevant **Base Service Parameters**; and

(b) where the **Firm Fast Reserve Unit** is not **BM Participating**:-

(i) that its operating characteristics conform at all times to the **Tendered Service Parameters**; and

(ii) where it is a **Type 2 Site**, that a **Firm Service Declaration** is submitted pursuant to sub-paragraph 3.3.5.

3.3.5 For a **Firm Fast Reserve Unit** which is not **BM Participating** and is a **Type 2 Site**:-

(a) the **Fast Reserve Provider** shall, in respect of each **Firm Fast Reserve Window** notified by **National Grid** pursuant to sub-paragraph 3.3.1, submit to **National Grid** by facsimile a notice in the applicable form set out in Section 8 (a "**Firm Service Declaration**") in which the **Fast Reserve Provider** shall (or, subject to sub-paragraph 5.10, shall procure that the **Fast Reserve Provider**'s **Agent** shall), by reference to the latest forecast **Demand** or **Generation** profile of the **Firm Fast Reserve Unit**, either confirm the accuracy of or notify revisions (if any) to the **Contracted MW Profile** of such **Firm Fast Reserve Unit**, in either case so that the **Contracted MW Profile** reflects such forecast **Demand** or **Generation** profile to within +/- 10%;

- (b) any **Firm Service Declaration** made by the **Fast Reserve Provider** in accordance with sub-paragraph 3.3.4(a) shall be submitted to **National Grid** no later than **Gate Closure** in respect of the first **Settlement Period** which falls within the **Firm Fast Reserve Window**;
- (c) failure to submit a **Firm Service Declaration** in accordance with sub-paragraph 3.3.4(a) (including where the **Fast Reserve Provider** is unable to confirm or revise the **Contracted MW Profile** as required by sub-paragraph 3.3.4(a)) shall be deemed to constitute unavailability of **Firm Fast Reserve** from the **Firm Fast Reserve Unit** in respect of the relevant **Firm Fast Reserve Window**;
- (d) as soon as reasonably practicable after receipt of a **Firm Service Declaration**, **National Grid** shall acknowledge receipt by facsimile in the applicable form set out in Section 8;
- (e) where the **Fast Reserve Provider** becomes aware that either:-
 - (i) actual **Demand** or **Generation** levels in a **Firm Fast Reserve Window** are shortfalling from the **Contracted MW Profile** by more than 10%; or
 - (ii) a technical problem exists which in the reasonable opinion of the **Fast Reserve Provider** will limit the ability of the **Fast Reserve Provider** to provide **Firm Fast Reserve** from that **Firm Fast Reserve Unit**,

the **Fast Reserve Provider** shall forthwith (or, subject to sub-paragraph 5.10, shall procure that the **Fast Reserve Provider**'s **Agent** shall forthwith):-

 - (iii) serve notice to **National Grid** in the applicable form set out in Section 8 (a "**Shortfall Notification**") stating that the **Contracted MW Profile** has been curtailed for the remainder of the **Firm Fast Reserve Window**; and
 - (iv) re-issue the **Firm Service Declaration** to **National Grid** revising the **Contracted MW Profile** to reflect the curtailed **Contracted MW Profile**,

and provided always that the resulting **MW Net Export Range** is not less than 25MW, such revision shall take effect forthwith; and
- (f) as soon as reasonably practicable after receipt of a **Shortfall Notification**, **National Grid** shall acknowledge receipt by facsimile in the applicable form set out Section 8 and, at its sole discretion, reduce the **Availability Payments** accordingly.

Unavailability

- 3.3.6 In respect of any **Firm Fast Reserve Unit** which is **BM Participating**, the **Fast Reserve Provider** shall notify **National Grid** by facsimile in the form set out in Section 8 forthwith upon becoming aware of the inability (howsoever caused) of that **Firm Fast Reserve Unit** to provide the **Firm Service** during any or all of the **Settlement Periods** within any of the **Contracted Service Period(s)** in respect of any **EFA Day**, and with effect from the start of such inability until otherwise notified by the **Fast Reserve Provider** by facsimile in the form set out in Section 8 that the ability of the **Firm Fast Reserve Unit** to provide the **Firm Service** is restored, the **Firm Service** shall be deemed to be unavailable from such **Firm Fast Reserve Unit** for the purposes of sub-paragraph 3.3.15(d).

3.3.7 In respect of a **Firm Fast Reserve Unit** which is not **BM Participating**, and whether a **Type 1 Site** or **Type 2 Site**, if, prior to **Gate Closure** or during the **Gate Closure Period**, in respect of the first **Settlement Period** which falls within a **Firm Fast Reserve Window** or during the **Firm Fast Reserve Window** itself, the **Fast Reserve Provider** becomes aware of changes in the technical capabilities of that **Firm Fast Reserve Unit** which:-

- (a) reduces the **MW Net Export Range** of such **Fast Reserve Unit** to less than 25MW; or
- (b) otherwise limits its ability to provide any form of **Firm Fast Reserve** from such **Fast Reserve Unit**;

it shall withdraw the **Firm Service Declaration** forthwith by serving notice on **National Grid** in the applicable form set out in Section 8 (“a **Service Withdrawal Notification**”) indicating that, for reasons related to the technical capability of the **Fast Reserve Unit**, **Firm Fast Reserve** will not be available during that **Firm Fast Reserve Window** and the **Fast Reserve Provider** shall, for the purposes of sub-paragraphs 3.3.13 to 3.3.15, be deemed not to have made **Firm Fast Reserve** available in such **Firm Fast Reserve Window** and no **Firm Availability Payment** or **Positional Payment** shall be made in respect of that **Firm Fast Reserve Window**.

3.3.8 As soon as reasonably practicable after receipt of a **Service Withdrawal Notification**, **National Grid** shall acknowledge receipt by facsimile in the applicable form set out in Section 8.

Service Instruction

3.3.9 Where the **Firm Fast Reserve Unit** is **BM Participating**:-

- (a) subject to sub-paragraph 3.3.11, **National Grid** may instruct the **Fast Reserve Provider** to provide **Firm Fast Reserve** from that **Firm Fast Reserve Unit** at any time during a **Firm Fast Reserve Window** by issuing a **Bid-Offer Acceptance** (or in the case of an **Aggregated BM Unit**, by a single **Bid-Offer Acceptance** for each component **BM Unit**) in respect of that **Firm Fast Reserve Unit** in accordance with the **Grid Code**; and
- (b) **National Grid** may subsequently instruct the **Fast Reserve Provider** to cease provision of **Firm Fast Reserve** from that **Firm Fast Reserve Unit** at any time by issuing **Bid-Offer Acceptance(s)** in respect of the relevant **Bid-Offer Pair**.

3.3.10 Where the **Firm Fast Reserve Unit** is not **BM Participating**:-

- (a) subject to sub-paragraph 3.3.11, **National Grid** may instruct the **Fast Reserve Provider** to provide **Firm Fast Reserve** from that **Firm Fast Reserve Unit** at any time during a **Firm Fast Reserve Window** (a “**Firm Instruction**”);
- (b) within 5 minutes of receipt of any **Firm Instruction**, the **Fast Reserve Provider** shall confirm receipt by facsimile to **National Grid** in the applicable form set out in Section 8;
- (c) the **Fast Reserve Provider** may only reject a **Firm Instruction** if it is necessary on safety grounds, and where a **Firm Instruction** is so rejected, no **Firm Availability Payment** or **Positional Payment** shall be made by **National Grid** to the **Fast Reserve Provider** in

accordance with sub-paragraphs 3.3.13 and 3.3.13(b) in respect of the relevant **Firm Fast Reserve Window**;

- (d) **National Grid** may instruct the **Fast Reserve Provider** to cease provision of **Firm Fast Reserve** from a **Fast Reserve Unit** at any time; and
- (e) within 5 minutes of receipt of any instruction given by **National Grid** pursuant to sub-paragraph 3.3.10(a), the **Fast Reserve Provider** shall confirm receipt by facsimile in the applicable form set out in Section 8.

3.3.11 **National Grid** may not (without the prior written consent of the **Fast Reserve Provider**) instruct the **Fast Reserve Provider** to provide **Firm Fast Reserve** from a **Firm Fast Reserve Unit** where any one or more **Utilisation Restrictions** apply in respect of that **Firm Fast Reserve Unit**.

Service Delivery

3.3.12 Upon receipt of an instruction to provide **Firm Fast Reserve** in accordance with sub-paragraph 3.3.9 or sub-paragraph 3.3.10 the **Fast Reserve Provider** shall, commencing on or before expiry of the **Response Time**, provide **Firm Fast Reserve** continuously until the earlier of:-

- (a) expiry of the **Firm Fast Reserve Window**; and
- (b) the time specified by **National Grid** in an instruction issued pursuant to sub-paragraph 3.3.9 or sub-paragraph 3.3.10(d), as the case may be,

subject always to any **Utilisation Restrictions** which may apply in respect of that **Firm Fast Reserve Unit**.

Payment for the Firm Service

3.3.13 In respect of each relevant **Firm Fast Reserve Unit**, and subject always to sub-paragraphs 3.3.17 to 3.3.23, **National Grid** shall in accordance with sub-paragraph 5.3 pay to the **Fast Reserve Provider**:-

- (a) an amount (“the **Firm Availability Payment**”) calculated by reference to:
 - (i) the **Firm Availability Fee**; and
 - (ii) the aggregate number of hours comprised within **Contracted Service Periods** in each **EFA Day** during the **Contracted Service Term** (which, in respect of a **Firm Fast Reserve Unit** which is **BM Participating** shall be limited to the aggregate number of hours in respect of which the **Output Usable** notified by the **Fast Reserve Provider** to **National Grid** in accordance with **Grid Code OC2.4.1.2.4(b)** is always greater than zero); and
- (b) an amount (“the **Positional Payment**”) calculated by reference to the **Positional Fee** and the aggregate number of hours comprised within **Firm Fast Reserve Windows** in each **EFA Day** during the **Contracted Service Term**.

3.3.14 No energy payments shall be made by **National Grid** to the **Fast Reserve Provider** under this paragraph 3.3 in respect of the provision of **Firm Fast Reserve** from a **Firm Fast Reserve Unit** which is **BM Participating** during **Firm Fast Reserve Windows**.

3.3.15 In respect of each relevant **Fast Reserve Unit** which is not **BM Participating**, **National Grid** shall in accordance with paragraph 5.3 pay to the **Fast Reserve Provider** an amount (“the **Firm Energy Payment**”) calculated in accordance with the formula set out in Part A of Section 7.

Monthly Delivery Reconciliation Payment

3.3.16 At the end of each calendar month, where in respect of any **Fast Reserve Unit** **National Grid** determines that the aggregate volume in MWh of **Fast Reserve** provided by the **Fast Reserve Provider** from that **Fast Reserve Unit** (shown as R_{sj} in the formula set out in Part C of Section 7) in respect of all utilisations during that calendar month is less than 95% of the aggregate volume in MWh of **Fast Reserve** instructed to be delivered, in each case ascertained in accordance with Part C of Section 7, then the **Fast Reserve Provider** shall pay to **National Grid** in accordance with paragraph 5.3 an amount (if any) (“the **Monthly Delivery Reconciliation Payment**”) calculated in accordance with the formula set out in Part C of Section 7.

Failure to provide the Firm Service

3.3.17 In respect of a **Firm Fast Reserve Unit** which is **BM Participating**, each of the following events shall constitute an event of default for the purposes of sub-paragraphs 3.3.19 and 3.3.20:

(a) If, in respect of any **Settlement Period** comprised within any **Firm Fast Reserve Window**, and in respect of any **Firm Fast Reserve Unit**:-

(i) the **Physical Notification(s)** and associated **Bid-Offer Data** in respect of that **Firm Fast Reserve Unit** prevailing at **Gate Closure** is not in any respect consistent with (or, in the case of **Bid-Offer Prices**, exceeds) the respective **Base Service Parameters** and the respective **Capped Bid-Offer Price**; and/or

(ii) the **Dynamic Parameters** and **Maximum Export Limit** in respect of that **Firm Fast Reserve Unit** are not in any respect consistent with the respective **Base Service Parameters**,

in each case so as to permit either the provision of the **MW Delivery** or the following of the **MW Delivery Profile** (as the case may be);

(b) if, in respect of any **Settlement Period** comprised within any **Firm Fast Reserve Window**, and in respect of any **Firm Fast Reserve Unit**:-

(i) the **Fast Reserve Provider** submits a revision to the **Maximum Export Limit** or **Stable Export Limit**; and/or

(ii) that **Firm Fast Reserve Unit** desynchronises other than pursuant to an instruction issued by **National Grid**,

in each case such that that **Firm Fast Reserve Unit** is unable either to provide the **MW Delivery** or to follow the **MW Delivery Profile** (as the case may be);

(c) if, during a **Firm Fast Reserve Window**, **National Grid** determines in accordance with the applicable procedure set out in paragraph 3.10 that a **Firm Fast Reserve Unit** has in any

Settlement Period failed to comply with a **Bid-Offer Acceptance** issued in accordance with the **Grid Code**; and

- (d) if, in respect of any **Settlement Period** comprised within any **Firm Fast Reserve Window**, and in respect of any **Firm Fast Reserve Unit** the **Fast Reserve Provider** submits a notification pursuant to sub-paragraph 3.3.6 such that the **Firm Fast Reserve Unit** is unable either to provide the **MW Delivery** or to follow the **MW Delivery Profile** (as the case may be).

3.3.18 In respect of a **Fast Reserve Unit** which is not **BM Participating**, each of the following events shall constitute an event of default for the purposes of sub-paragraphs 3.3.19 and 3.3.20:

- (a) if, in respect of any **Settlement Period** comprised within any **Firm Fast Reserve Window** the **Tendered Service Parameters** do not represent the true operating characteristics of the **Firm Fast Reserve Unit**;
- (b) if, in respect of any **Settlement Period** comprised within any **Firm Fast Reserve Window**, and in respect of any **Firm Fast Reserve Unit**:-
 - (i) the **Fast Reserve Provider** fails to acknowledge receipt of any **Firm Instruction** within 5 minutes in accordance with sub-paragraph 3.3.10(b); and/or
 - (ii) the **Fast Reserve Provider** rejects a **Firm Instruction** where it is not necessary on safety grounds; and/or
 - (iii) following issue of a **Firm Instruction**, **National Grid** determines in accordance with the applicable procedure set out in paragraph 3.10 that a **Firm Contracted Fast Reserve Unit** has in any **Settlement Period** failed to comply in any respect with that **Firm Instruction**; and/or
 - (iv) the **Fast Reserve Provider** fails to acknowledge receipt of an instruction issued by **National Grid** in accordance with sub-paragraph 3.3.10(d) within 5 minutes of the issue of such instruction; and
- (c) if the **Fast Reserve Provider** fails in respect of any **EFA Day**, and in respect of any **Firm Fast Reserve Unit**, to comply with its obligations to provide metering data pursuant to paragraph 3.10 within two weeks of such **EFA Day**.

3.3.19 **National Grid** shall have the right to withhold payment of any **Firm Availability Payment** and **Positional Payment** in respect of the relevant **Firm Fast Reserve Unit** and each relevant **Settlement Period**, and in respect of each the following events of default:-

3.3.17(a)(i), 3.3.17(a)(ii), 3.3.17(b)(i), 3.3.17(b)(ii), 3.3.17(c), 3.3.17(d), 3.3.18(a), 3.3.18(b)(i) to (iv) and 3.3.18(c).

3.3.20 Without prejudice to any right to withhold payment under sub-paragraph 3.3.19, **National Grid** shall have the right to terminate delivery of the **Firm Service** pursuant to the provisions of this paragraph 3.3 in respect of any **Fast Reserve Unit**, for the remainder of a the **Contracted Service Term**, forthwith by notice in writing to the **Fast Reserve Provider** if (subject to sub-paragraph 3.3.22) the number of events

of default referred to in sub-paragraphs 3.3.17 or 3.3.18 (as applicable) which shall have occurred in respect of that **Fast Reserve Unit** exceeds either:-

- (a) two such events of default during any calendar month; or
- (b) two such events of default during any thirty day period comprised in that **Contracted Service Term**; or
- (c) three such events of default during that **Contracted Service Term**.

3.3.21 For the avoidance of doubt, following termination of delivery of the **Firm Service** in accordance with sub-paragraph 3.3.20 in respect of any **Fast Reserve Unit**, no further payments shall accrue in respect of that **Firm Fast Reserve Unit** pursuant to this paragraph 3 in respect of the remainder of the **Contracted Service Term**.

3.3.22 For the purposes of sub-paragraph 3.3.20 it is acknowledged that:

- (a) in respect of any **Firm Fast Reserve Unit** which is **BM Participating**, the occurrence of both of the events of default described in sub-paragraphs 3.3.17(a)(i) and (ii); or
- (b) in respect of any **Firm Fast Reserve Unit** which is not **BM Participating**, the occurrence of the events of default described in sub-paragraphs 3.3.18(a) and (b),

in respect of the same **Settlement Period** shall constitute a single event of default.

3.3.23 No payments shall be made by **National Grid** to the **Fast Reserve Provider** for the **Firm Service** pursuant to sub-paragraph 3.3.13 in respect of any period or periods during which, in accordance with any provision of this **Document**~~Error! Reference source not found.~~ and in relation to any **Firm Fast Reserve Unit**, **Fast Reserve** is deemed to be unavailable provided always that **National Grid** may at its sole discretion ignore a period of unavailability for the purposes of this paragraph 3.3 where the period of unavailability is short in duration and the **Fast Reserve Provider** has used all reasonable endeavours to restore availability as soon as practicable.

Substitution

3.3.24 In respect of any **Firm Fast Reserve Unit** which is **BM Participating** (“the **Retired Fast Reserve Unit**”), the **Fast Reserve Provider** may notify **National Grid** by facsimile in the applicable form set out in Section 8 of its nomination of a substitute **Fast Reserve Unit** which is also **BM Participating** provided that:-

- (a) such notice indicates the identity of the nominated **Fast Reserve Unit** and the **Retired Fast Reserve Unit** and the **Firm Fast Reserve Windows** concerned; and
- (b) such notice is received by **National Grid** at least 2 hours prior to **Gate Closure** in respect of the first **Settlement Period** in any such **Firm Fast Reserve Window**; and
- (c) the **Base Service Parameters** in respect of the nominated **Fast Reserve Unit** are identical to the **Base Service Parameters** of the **Retired Fast Reserve Unit**; and
- (d) the **MW Delivery** or **MW Delivery Profile** (as the case may be) and **Capped Bid-Offer Price** in respect of the nominated **Fast Reserve Units** shall be deemed to be the **MW Delivery** or

MW Delivery Profile (as the case may be) and **Capped Bid-Offer Price** tendered in respect of the **Retired Fast Reserve Unit**; and

- (e) **National Grid** does not subsequently notify the **Fast Reserve Provider** by facsimile in the applicable form set out in Section 8 by 1 hour prior to **Gate Closure** in respect of the first **Settlement Period** in any such **Firm Fast Reserve Window** that it does not approve such nomination (such refusal not to be unreasonably given),

whereupon such substitution shall take effect so that, in respect of such **Firm Fast Reserve Window**, references in this paragraph 3.3 to the **Firm Fast Reserve Unit** shall, in respect of the **Retired Fast Reserve Unit**, be read and construed as references to the **Fast Reserve Unit** so nominated.

Interpretation

- 3.3.25 In this paragraph 3, each reference to “**Physical Notification**”, “**Maximum Export Limit**” and “**Stable Export Limit**” shall, in respect of any **Firm Fast Reserve Units** which are **BM Participating** comprising an **Aggregated BM Unit**, be read and construed as the **Physical Notification, Maximum Export Limit** and **Stable Export Limit** of each constituent **BM Unit** or any of them (as the context admits).

3.4 OPTIONAL SERVICE

Service Availability

- 3.4.1 The following provisions shall apply in respect of **Fast Reserve Units** which are **BM Participating**:-
 - (a) save in respect of any **Settlement Periods** where the **Optional Service** is deemed unavailable from a **Fast Reserve Unit** in accordance with sub-paragraph 2.8.4(b), for the purposes of **Grid Code BC2.5.3.1** and **BC1.A.1.5 National Grid** may request the **Fast Reserve Provider** to make available in one or more **Settlement Periods** enhanced run up and run down rates from that **Fast Reserve Unit** which are consistent with those contained in the **Base Service Parameters** (“the **Enhanced Rates**”);
 - (b) within two minutes of receipt of a request pursuant to sub-paragraph 3.4.1(a), the **Fast Reserve Provider** shall notify **National Grid** by telephone whether or not it is able to make available the **Enhanced Rates** in accordance with that request, and the **Fast Reserve Provider** shall within five minutes of such notification confirm the same by facsimile by way of an **Optional Service Declaration** in the applicable form set out in Section 8;
 - (c) failure to notify **National Grid** by telephone of availability of the **Enhanced Rates** in accordance with sub-paragraph 3.4.1(b) shall be deemed to constitute unavailability of the **Optional Service** from the **Fast Reserve Unit** in question in respect of all relevant **Settlement Periods**;
 - (d) where the **Fast Reserve Provider** has confirmed that it shall make available the **Enhanced Rates** in accordance with a request from **National Grid** pursuant to sub-paragraph 3.4.1(a):-
 - (i) the **Fast Reserve Provider** shall as soon as reasonably practicable (and preferably before expiry of the **Response Time**) and in respect of all **Settlement Periods**

submit to **National Grid** in accordance with the **Grid Code** in respect of each relevant **Fast Reserve Unit Dynamic Parameters** which include run up and run down rates consistent with the **Enhanced Rates**; and

(ii) save where sub-paragraph 3.3.1(e) applies, **National Grid** shall subsequently notify the **Fast Reserve Provider** of the time from which it no longer requires the **Fast Reserve Provider** to make available the **Enhanced Rates** from a **Fast Reserve Unit**; and

(e) where the **Fast Reserve Provider** has submitted **Dynamic Parameters** to **National Grid** in respect of a **Fast Reserve Unit** in accordance with sub-paragraph 3.4.1(d)(i), in the event that such **Fast Reserve Unit** subsequently desynchronises other than pursuant to an instruction issued by **National Grid**, then **National Grid** shall be deemed with effect from the time of such **Desynchronisation** to have notified the **Fast Reserve Provider** in accordance with sub-paragraph 3.4.1(d)(ii) that it no longer requires the **Fast Reserve Provider** to make available the **Enhanced Rates** from such **Fast Reserve Unit**.

3.4.2 The following provisions shall apply in respect of **Fast Reserve Units** which are not **BM Participating**:-

(a) **National Grid** may request the **Fast Reserve Provider** to make the **Optional Service** available in any one or more **Settlement Periods** but for not less than the **Minimum Availability Period**;

(b) within two minutes of receipt of a request pursuant to sub-paragraph 3.4.2(a), the **Fast Reserve Provider** shall notify **National Grid** via the **Web Services** whether or not it is able to make available the **Optional Service** in accordance with that request;

(c) failure to notify **National Grid** via the **Web Services** of availability of the **Optional Service** in accordance with sub-paragraph 3.4.2(b) shall be deemed to constitute unavailability of the **Optional Service** from the **Fast Reserve Unit** in question in respect of all relevant **Settlement Periods**;

(d) where the **Fast Reserve Provider** has confirmed that it shall make available the **Optional Service** from the **Fast Reserve Unit** in accordance with a request from **National Grid** pursuant to sub-paragraph 3.4.2(a):-

(i) the **Fast Reserve Provider** shall make the **Optional Service** available from the **Fast Reserve Unit** from the time specified by **National Grid** in the request pursuant to sub-paragraph 3.4.2(a); and

(ii) save where sub-paragraph 3.4.2(e) applies, **National Grid** shall subsequently notify the **Fast Reserve Provider** of the time from which it no longer requires the **Fast Reserve Provider** to make the **Optional Service** available from the **Fast Reserve Unit**; and

(e) if at any time before, or during a **Settlement Period** in respect of which the **Optional Service** is declared available from a **Fast Reserve Unit** in accordance with sub-paragraph 3.4.2(b), the **Fast Reserve Provider** becomes aware that it will be unable to provide the **Optional Service**

from a **Fast Reserve Unit** during any such **Settlement Period**, it shall notify **National Grid** forthwith.

Service Instruction

- 3.4.3 **National Grid** may instruct the **Fast Reserve Provider** to provide **Optional Fast Reserve** from a **Fast Reserve Unit** at any time during **Settlement Periods** when the **Optional Service** is available in the same manner as it instructs the **Firm Service** (set out in sub-paragraphs 3.3.9 to 3.3.11 inclusive).
- 3.4.4 In respect of **Fast Reserve Units** which are not **BM Participating**, any such instruction is referred to in this sub-paragraph 3.4 as an “**Optional Service Instruction**”, and except with the prior consent of the **Fast Reserve Provider** may not be issued in a **Recovery Period**.

Service Delivery

- 3.4.5 On receipt of an **Optional Service Instruction**, the **Fast Reserve Provider** shall, commencing on or before expiry of the **Response Time**, provide **Optional Fast Reserve** continuously until the earlier of:-
- (a) subject always to sub-paragraph 3.4.6, the expiry of the **Maximum Utilisation Period**;
 - (b) the commencement of a **Settlement Period** in respect of which the **Fast Reserve Provider** (or, subject to paragraph 5.10, the **Fast Reserve Provider’s Agent**) has notified **National Grid** in accordance with sub-paragraph 3.4.2(e) that **Optional Fast Reserve** is unavailable from a **Fast Reserve Unit**; and
 - (c) the time specified by **National Grid** in an instruction issued pursuant to sub-paragraph 3.3.10(d).
- 3.4.6 Where **National Grid** issues an **Optional Service Instruction** in respect of a **Fast Reserve Unit** which is comprised of an aggregation of **Contracted Load Groups**, then, where sub-paragraph 3.4.5 applies, the **Fast Reserve Provider** shall continue to provide **Optional Fast Reserve** from each instructed **Contracted Load Group** until the expiry of the relevant **Maximum Utilisation Period** specified in respect of that **Contracted Load Group** in the **Framework Agreement**.

Payment for the Optional Service

- 3.4.7 In respect of **Fast Reserve Units** which are **BM Participating**, **National Grid** shall, in accordance with paragraph 5.3 but subject to sub-paragraph 3.4.8, pay to the **Fast Reserve Provider** an amount (“the **Enhanced Rates Availability Payment**”), in respect of each **Fast Reserve Unit**, calculated by reference to the **Enhanced Rates Availability Fee** set out in the **Framework Agreement** as revised from time to time pursuant to sub-paragraph 3.4.9 and either:
- (a) where the **Fast Reserve Provider** submits revised **Dynamic Parameters** to **National Grid** pursuant to sub-paragraph 3.4.1(d)(i) upon or before expiry of the **Response Time**) the period from **National Grid’s** request pursuant to sub-paragraph 3.4.1(d)(i) until such time as **National Grid** notifies (or is deemed to have notified) the **Fast Reserve Provider** pursuant to sub-paragraph 3.4.1(d)(ii) that the **Enhanced Rates** are no longer required; or

- (b) where the **Fast Reserve Provider** submits revised **Dynamic Parameters** to **National Grid** pursuant to sub-paragraph 3.4.2(d)(i) after expiry of the **Response Time**) the period from the time at which the **Enhanced Rates** are made available from a **Fast Reserve Unit** pursuant to sub-paragraph 3.4.2(d)(i) until such time as **National Grid** notifies (or is deemed to have notified) the **Fast Reserve Provider** pursuant to sub-paragraph 3.4.2(d)(ii) that such **Enhanced Rates** are no longer required,

provided that no energy payments shall be made by **National Grid** to the **Fast Reserve Provider** under this paragraph 3.4.7 in respect of the provision of **Optional Fast Reserve** from a **Fast Reserve Unit** during **Settlement Periods** when the **Optional Service** is provided.

3.4.8 In respect of **Fast Reserve Units** which are not **BM Participating**, **National Grid** shall, in accordance with paragraph 5.3, pay to the **Fast Reserve Provider** the following amounts:

- (a) an amount (“the **Optional Availability Payment**”), in respect of each **Fast Reserve Unit**, calculated by reference to the **Optional Availability Fee** set out in the **Framework Agreement** as revised from time to time pursuant to sub-paragraph 3.4.9 and the period from the time at which the **Optional Service** is made available from the **Fast Reserve Unit** pursuant to sub-paragraph 3.4.2(d)(i) until the earlier of:-
- (i) such time as **National Grid** notifies the **Fast Reserve Provider** pursuant to sub-paragraph 3.4.2(d)(ii) that the **Optional Service** is no longer required (or, if later, expiry of the **Minimum Availability Period**); or
 - (ii) notification by the **Fast Reserve Provider** to **National Grid** pursuant to sub-paragraph 3.4.2(e) that it is unable to provide the **Optional Service** from the **Fast Reserve Unit**.
- (b) an amount (“the **Optional Energy Payment**”) calculated in accordance with the formula set out in Part B of Section 7 in respect of each **Fast Reserve Unit**.

3.4.9 The **Enhanced Rates Availability Fee**, **Optional Availability Fee** and/or **Optional Energy Fee** in respect of any one or more of the **Fast Reserve Units** may be revised by the **Fast Reserve Provider** from time to time by not less than one week’s prior notice in writing to **National Grid** using the **Web Services** (and in the prescribed format if any).

Failure to provide Optional Fast Reserve

3.4.10 Where the **Fast Reserve Unit** is **BM Participating** and, having instructed the **Fast Reserve Provider** to provide **Optional Fast Reserve** from a **Fast Reserve Unit** by way of the issue of a **Bid-Offer Acceptance(s)** in accordance with sub-paragraph 3.4.3, **National Grid** determines in accordance with the applicable procedure set out in paragraph 3.10 that the **Fast Reserve Unit** has in any **Settlement Period** failed to comply in any respect with that **Bid-Offer Acceptance**, then **National Grid** shall have the right to withhold payment of the **Enhanced Rates Availability Payment** in relation to that **Fast Reserve Unit** in respect of each such **Settlement Period**.

3.4.11 Where the **Fast Reserve Unit** is not **BM Participating** and, having issued an **Optional Service Instruction** in accordance with sub-paragraph 3.4.3, **National Grid** determines in accordance with the applicable procedure set out in paragraph 3.10 that the **Fast Reserve Unit** has in any **Settlement Period** failed to comply in any respect with that **Instruction**, then **National Grid** shall have the right to withhold payment of the **Optional Energy Payment** in relation to that **Fast Reserve Unit** in respect of each such **Settlement Period**.

3.4.12 Where the **Fast Reserve Unit** is not **BM Participating**, **National Grid** shall have the right to terminate the **Framework Agreement** in respect of any **Fast Reserve Unit** forthwith by notice in writing to the **Fast Reserve Provider** if the **Fast Reserve Provider** fails on more than 3 occasions, in respect of that **Fast Reserve Unit** and any **EFA Day**, to comply with its obligation to provide metering data pursuant to paragraph 3.10 within two weeks of such **EFA Day**, provided always that where a **Contracted Service Term** has already been accepted by **National Grid** in respect of any **Fast Reserve Unit** in accordance with sub-paragraph 2.8.1, **National Grid** shall not give notice to terminate the **Fast Reserve Contract** in respect of that **Fast Reserve Unit** earlier than the day after expiry of such **Contracted Service Term**.

3.5 GRID CODE AND DISTRIBUTION CODE

3.5.1 The provision by the **Fast Reserve Provider** of **Fast Reserve** shall not relieve it of any of its obligations or affect such obligations (where applicable) set out in the **Grid Code** (including without limitation its obligations (if any) to provide **Demand** control when instructed by **National Grid** pursuant to **Grid Code** OC 6) or in the **Distribution Code** of its host **Public Distribution System Operator**.

3.5.2 Without limiting sub-paragraph 3.5.1, each **Fast Reserve Provider** which is or becomes a **DRSC Liable User** shall for the duration of each applicable **Fast Reserve Contract** comply in all respects with the **Demand Response Services Code** as it relates to **Demand Response Active Power Control**.

3.6 MAINTENANCE OF FAST RESERVE UNITS

The **Fast Reserve Provider** shall maintain the **Fast Reserve Unit(s)** (including any **Plant** and/or **Apparatus** comprising it) to such a standard that the **Fast Reserve Provider** can meet its obligations to provide **Fast Reserve** in accordance with the terms of this **Document** and any **Fast Reserve Contract(s)**.

3.7 THIRD PARTY CLAIMS

3.7.1 The **Fast Reserve Provider** hereby undertakes to **National Grid** that the entering into of a **Fast Reserve Contract** from any **Fast Reserve Unit** and the provision by it of **Fast Reserve** does not and will not cause the **Fast Reserve Provider**:

- (a) to be in breach of its duties (if any) under Section 9 of the **Act**;
- (b) to be in breach of the Electricity Safety, Quality and Continuity Regulations 2002 (as amended from time to time) or of any regulations made under Section 29 of the **Act** or of any other enactment relating to safety or standards applicable in respect of the business of the **Fast Reserve Provider**;

- (c) to be in breach of any provisions of the **Grid Code** or (where applicable) the **Distribution Code** of its host **Public Distribution System Operator** or make its compliance with any provision of either of these Codes impossible;
- (d) to be in breach of or to otherwise be non-compliant with any **Connection Agreement** and/or any agreement for the supply of electricity to the **Plant** or for the acceptance of electricity into, and its delivery from, a **User System** or any other **System**;
- (e) to be in breach of any provision of its **Licence** (if any);
- (f) to be in breach of any restrictions and conditions attaching to relevant authorisations of the Environment Agency;
- (g) to be in breach of or to otherwise be non-compliant with any **Connection Agreement** and/or agreement for the supply of electricity or related services to or from that **Fast Reserve Unit** or any **Plant** and **Apparatus** associated with it.

3.7.2 Notwithstanding sub-paragraph 3.7.1, in the event that a **Fast Reserve Provider** makes available and/or provides **Fast Reserve** to **National Grid**, in consequence of which **National Grid** suffers or incurs any loss in respect of a claim brought by any third party related to any actual or alleged breach or non-compliance by the **Fast Reserve Provider** as described in sub-paragraph 3.7.1, the **Fast Reserve Provider** shall indemnify **National Grid** against all and any losses, liabilities, claims, expenses and demands suffered or incurred by **National Grid** in connection therewith. Such indemnity shall include any legal costs and expenses reasonably incurred in the contesting of such claims including court costs and reasonable attorney's fees and other professional advisors' fees. The **Parties** agree and accept that, for the purposes of sub-paragraph 5.3.1, all such legal costs and expenses expressed to be the subject of such indemnity shall be treated as direct losses.

3.7.3 In the event of any such claim referred to in sub-paragraph 3.7.2 being made against **National Grid**, **National Grid** shall as soon as reasonably practicable give notice of the claim together with all relevant supporting documentation to the **Fast Reserve Provider**. The **Fast Reserve Provider** shall be entitled, upon written notice to **National Grid** and subject to **National Grid** receiving from the **Fast Reserve Provider** such reasonable undertakings as **National Grid** shall reasonably require to protect **National Grid** against damage to its name, to assume, at its own expense, sole conduct of all proceedings relating to such claim including the right to contest such claim in the name of **National Grid**. **National Grid** shall supply the **Fast Reserve Provider** with all information, assistance and particulars reasonably required by the **Fast Reserve Provider** in connection therewith. **National Grid** shall not accept, settle, pay or compromise any such claim without the prior written approval of the **Fast Reserve Provider** (such approval not to be unreasonably withheld or delayed). The **Fast Reserve Provider** shall reimburse **National Grid**'s reasonable expenses incurred in connection with the provision of any such information, assistance or particulars in the contesting of any such claim.

3.8 PROVISION OF OTHER SERVICES

3.8.1 The **Fast Reserve Provider** hereby undertakes to **National Grid** that the availability and delivery or **Fast Reserve** from any **Fast Reserve Unit** shall not at any time during the **Contracted Service Term**

be impaired or otherwise prejudiced by the **Fast Reserve Provider**'s performance of any agreement with a third party relating to the **Fast Reserve Unit** or any associated **Plant** and **Apparatus**, including without limitation the making available and/or delivery of services to that third party by the **Fast Reserve Provider** (whether by way of increases or reductions in **Generation** or **Demand** or stipulated running profiles or otherwise, and whether to assist in the management, operation or protection of a **User System** or pursuant to the **Capacity Market Rules**).

3.8.2 Notwithstanding sub-paragraph 3.8.1, in the event that the **Fast Reserve Provider** is unable to provide **Fast Reserve** (to any extent and including in all or any part of any **Firm Fast Reserve Window**) for any reason described in sub-paragraph 3.8.1, then the **FFR Provider** shall give a full explanation to **National Grid** in its notification of inability to provide **Fast Reserve** from the **Fast Reserve Unit** pursuant to sub-paragraphs 3.3.6 or 3.3.7, and **National Grid** may in its absolute discretion terminate the **Fast Reserve Contract** in question pursuant to paragraph 5.4.

3.8.3 Subject always to sub-paragraph 3.8.4, and irrespective of whether or not **National Grid** elects to terminate the **Fast Reserve Contract**, the **Fast Reserve Provider** hereby agrees to reimburse to **National Grid** all and any additional costs and expenses incurred by it as a result of such inability including **National Grid**'s additional costs of alternative or replacement service provision.

3.8.4 The amount or amounts for which the **Fast Reserve Provider** may be liable to **National Grid** in respect of any **Fast Reserve Contract** pursuant to sub-paragraph 3.8.1 shall not exceed in aggregate the greater of: (1) £250,000 and (2) an amount equal to the aggregate **Firm Availability Payments** calculated by reference to the **Contracted Service Periods** the subject of that **Fast Reserve Contract**.

3.8.5 Where, during any one or more **Settlement Periods** in a **Contracted Service Period**, a **Fast Reserve Provider** is required under the terms of any agreement with **National Grid** to provide from a **Firm Fast Reserve Unit** any other **Balancing Service** or similar service (except with respect to **Reactive Power**) the **Parties** agree and acknowledge that **Fast Reserve** cannot be provided simultaneously with such other **Balancing Service** and to the extent that such service provision either overlaps to any extent with a **Service Window** and/or is otherwise inconsistent or in conflict with the delivery of **Fast Reserve**, then the **Firm Fast Reserve Unit** shall be deemed unavailable for the purposes of sub-paragraph 3.3.23.

3.9 COMMUNICATIONS

3.9.1 Any communications required by this Section 3 to be given in writing shall be made and deemed to have been received in accordance with paragraph 5.9 save as may be otherwise agreed by the **Parties**.

3.9.2 Each of the **Parties** (including, subject to paragraph 5.10, the **Fast Reserve Provider**'s **Agent**) hereby agrees and acknowledges that any reference to a communication by telephone or facsimile given by **National Grid** to the **Fast Reserve Provider** or vice versa in this Section 3 shall, where appropriate, be deemed to include a communication given by means of **EDL** or (subject to sub-paragraph 3.9.3 below) the **Web Services**.

3.9.3 Where at any time the **Reserve Provider** is unable to access or use the **Web Services**, then it shall procure that suitably trained personnel are available to make and receive communication to and from **National Grid** by telephone or facsimile.

3.9.4 Instructions and confirmations stored on **EDL** or the **Web Services** shall be conclusive evidence of the giving and/or receipt of any communication required to be given pursuant to the terms of this Section 3.

3.9.5 The **Parties** (including, subject to paragraph 5.10, the **Fast Reserve Provider's Agent**) consent to the recording of all telephone conversations between them relating in whole or in part to this **Document**, and each **Party** agrees to notify its employees of that consent and obtain their consent to that recording if required by law.

3.10 MONITORING AND METERING

BM Participating

3.10.1 In respect of **Fast Reserve Units** which are **BM Participating**:-

- (a) the volume of **Fast Reserve** delivered and the time of delivery of **Fast Reserve** pursuant to **Bid-Offer Acceptance(s)** shall be monitored by **National Grid** from time to time;
- (b) the relationship between the **Parties** with respect to **Energy Metering Equipment** shall be regulated by Section L of the **Balancing and Settlement Code**;
- (c) the relationship between the **Parties** with respect to **Operational Metering Equipment** shall be regulated by sub-paragraph 6.7.3 of the **Connection and Use of System Code**;
- (d) the availability and delivery of **Fast Reserve** from a **Fast Reserve Unit** shall be verified by **National Grid** by (inter alia) monitoring certain **BM Unit Data** and the carrying out of those checks described in sub-paragraph 3.10.1(e);
- (e) when **National Grid** assesses compliance by a **Fast Reserve Unit** with a **Bid Offer Acceptance** issued in accordance with sub-paragraphs 3.3.17(c) and 3.4.10:-
 - (i) it will compare the **Bid-Offer Acceptance** MW profile derived from the **EDL** with data obtained from **Operational Metering Equipment**, in order to determine, for that **Fast Reserve Unit**, and on a minute by minute basis, delivery against the **Bid-Offer Acceptance** MW profile in accordance with the run up and run down rates set out in the **Framework Agreement** (as the same may be revised from time to time in respect of the **Firm Service** in accordance with this **Document**);
 - (ii) subject to sub-paragraph (iii) below, the **Fast Reserve Provider** shall, in respect of that **Fast Reserve Unit**, be deemed not to have complied with a **Bid-Offer Acceptance** if the measured MW of delivered **Fast Reserve** is less than 90% of the **Bid-Offer Acceptance** MW profile in any minute; and
 - (iii) the **Fast Reserve Provider** shall be deemed to have complied with a **Bid-Offer Acceptance** in respect of that **Fast Reserve Unit** in any minute when such **Fast Reserve Unit** provided **Fast Reserve** pursuant to an instruction issued by **National Grid**.

Non BM Participating

- 3.10.2 In respect of **Fast Reserve Units** which are not **BM Participating**, sub-paragraphs 3.10.3 to 3.10.5 inclusive shall apply.
- 3.10.3 Subject to sub-paragraph 3.10.4, the **Fast Reserve Provider** shall, for the purposes of sub-paragraphs 3.10.5, provide to **National Grid** a copy of metering data with at least one MW spot value per minute to enable **National Grid** to monitor:
- (a) the **Fast Reserve Provider's** provision of **Firm Fast Reserve** or **Optional Fast Reserve** (as the case may be) from the relevant **Firm Fast Reserve Unit** or **Fast Reserve Unit**; and
 - (b) the amount of **Firm Fast Reserve** or **Optional Fast Reserve** provided by the relevant **Firm Fast Reserve Unit** or **Fast Reserve Unit** during such **EFA Day** for the purposes of this Section 4.
- 3.10.4 The metering data referred to in sub-paragraph 3.10.3 shall be provided:
- (a) in respect of each **EFA Day** in which **National Grid** has issued either (1) **Firm Instruction(s)** in respect of a **Firm Fast Reserve Unit** or (2) **Optional Service Instruction(s)** in respect of a **Fast Reserve Unit**; and
 - (b) within a week of such **EFA Day**.
- 3.10.5 When **National Grid** assesses compliance by a **Fast Reserve Unit** with a **Firm Instruction** or **Optional Service Instruction** issued in accordance with sub-paragraph 3.3.18(b)(iii) or 3.4.11:-
- (a) **National Grid** shall determine, utilising the data supplied by the **Fast Reserve Provider** in accordance with sub-paragraph 3.10.3 and metering equipment owned or operated by **National Grid** determine, for that **Fast Reserve Unit** concerned, and on a minute by minute basis, delivery against the **Firm Instruction** or **Optional Service Instruction** (as the case may be) in accordance with the run up and run down rates specified in the **Framework Agreement**; and
 - (b) the **Fast Reserve Provider** shall, in respect of that **Fast Reserve Unit**, be deemed not to have complied with the **Firm Instruction** or **Optional Service Instruction** (as the case may be) if the MW of **Fast Reserve** delivered in any minute is less than 90% of:-
 - (i) in the case of **Optional Fast Reserve**, the level or profile of MW (within the **MW Import Reduction Range**) notified by **National Grid** in its Instruction issued in accordance with sub-paragraph 3.4.3; and
 - (ii) in the case of **Firm Fast Reserve**, the level of MW (being not greater than the **Contracted MW**) or the profile (comprising all or part of the **Contracted MW Profile**) (as the case may be) notified by **National Grid** in its **Firm Instruction** issued in accordance with sub-paragraph 3.3.9(a).

SECTION 4

FAST RESERVE PRE-QUALIFICATION ASSESSMENT - PROCEDURE

4.1 PURPOSE

4.1.1 The purpose of the **Fast Reserve Pre-Qualification Assessment** is to ensure the **Generating Unit** and/or other **Plant** or **Apparatus** complies with the mandatory capability requirements with respect to **Fast Reserve** as specified in sub-paragraph 4.2.2.

4.2 SPECIFICATION

4.2.1 A full range of **Plant** performance tests will be carried out by the prospective **Fast Reserve Provider** to prove that the **Generating Unit** and/or other **Plant** or **Apparatus** performs correctly and (where applicable) without detriment to other **Generating Units** at the **Power Station**. The **Fast Reserve Pre-Qualification Assessment** may form part of these tests however it will be considered to be independent from them.

4.2.2 The **Fast Reserve Pre-Qualification Assessment** shall be deemed to be passed when the **Generating Unit** and/or other **Plant** or **Apparatus** has demonstrated that it has performed adequately in all the tests set out below such that all **Parties** can have confidence that **Fast Reserve** can be provided from the **Generating Unit** and/or other **Plant** or **Apparatus** in accordance with the mandatory requirements specified in this sub-paragraph 4.2.2 when instructed by **National Grid**. The prospective **Fast Reserve Provider** will be expected to demonstrate:

- (a) that the relevant **Generating Unit** and/or other **Plant** or **Apparatus** meets each of the mandatory capability requirements with respect to **Fast Reserve** specified in paragraph 3.2;
- (b) the run up rate that the **Generating Unit** and/or other **Plant** or **Apparatus** can achieve in MW/min from standstill and the timing of any notice period;
- (c) the run down rate that the **Generating Unit** and/or other **Plant** or **Apparatus** can achieve in MW/min and the timing of any notice period;
- (d) that the **Generating Unit** and/or other **Plant** or **Apparatus** can start to change its output in accordance with these run up/run down rates within 2 minutes of an instruction from **National Grid**;
- (e) when the **Generating Unit** and/or other **Plant** or **Apparatus** is changing its output to deliver **Fast Reserve**, how quickly the delivery can be halted and how quickly the delivery can start to be reversed;
- (f) the maximum amount of **Fast Reserve** that the **Generating Unit** and/or other **Plant** or **Apparatus** can deliver in accordance with the run up rates given in MW and how much can be delivered from a single instruction (if different);
- (g) the ability to repeat delivery from the **Generating Unit** and/or other **Plant** or **Apparatus** and the minimum recovery period required between periods of **Fast Reserve** delivery;
- (h) there are no limitations that would affect flexibility of utilisation of **Fast Reserve** applying to the **Generating Unit** and/or other **Plant** or **Apparatus**, e.g. for non-grid code providers;

- (i) operation of the **Generating Unit** and/or other **Plant** or **Apparatus** within the **Frequency** range of 47Hz to 52Hz;
- (j) capability of the **Generating Unit** and/or other **Plant** or **Apparatus** to withstand distortions in the voltage waveform;
- (k) suitable **Operational Metering Equipment** is installed to monitor and meter the provision of **Fast Reserve** from the **Generating Unit** and/or other **Plant** or **Apparatus**; and
- (l) the provision of **Fast Reserve** from the **Generating Unit** and/or other **Plant** or **Apparatus** may be instructed by **EDL** or the **Web Services**.

SECTION 5 GENERAL PROVISIONS

5.1 INTRODUCTION

5.1.1 This General Provisions Section contains those provisions which are generic, but which do not relate directly to the specific areas dealt with in other Sections.

5.2 CHANGES TO THE DOCUMENT

Outline Change Proposal

5.2.1 This **Document** shall be reviewed by **National Grid** from time to time, and (without prejudice to subparagraph 5.2.22) where at any time **National Grid** wishes to propose one or more amendments to this **Document** then it may at its sole discretion do so by formulating an **Outline Change Proposal**. Each **Outline Change Proposal** shall describe in reasonable but not excessive detail all such amendments and shall specify a single **Proposed Implementation Date**, save that insofar as any such amendments are required as a result of a **Proposed Legal Requirement** or a **Change in Law** then each of such amendments shall be the subject of a separate **Outline Change Proposal**.

5.2.2 The contents of an **Outline Change Proposal** shall include without limitation:-

- (a) the rationale for the amendment(s), including whether or not required as a result of a **Proposed Legal Requirement** or a **Change in Law**;
- (b) if applicable, details of the **Proposed Legal Requirement** or **Change in Law**; and
- (c) the **Proposed Implementation Date**.

5.2.3 Each **Outline Change Proposal** shall be notified by **National Grid** to all **Fast Reserve Providers** in writing.

Comments from Fast Reserve Providers

5.2.4 **National Grid** shall give all **Fast Reserve Providers** a reasonable opportunity and, in any event, not less than 20 **Business Days**, to review and provide **National Grid** with written comments on each **Outline Change Proposal**. **National Grid** shall consider in good faith any written comments submitted by the **Fast Reserve Provider** pursuant to this sub-paragraph 5.2.4 and shall, insofar as is reasonably practicable, address such comments in any subsequent **Detailed Change Proposal**.

Withdrawal, Modification and Implementation of Outline Change Proposals

5.2.5 Not earlier than the date for receipt of comments from **Fast Reserve Providers** specified in subparagraph 5.2.4, **National Grid** may at its sole discretion and having regard to written comments submitted by **Fast Reserve Providers** decide either to:-

- (a) withdraw the **Outline Change Proposal**, which shall be effective upon written notice of the same to all **Fast Reserve Providers**; or
- (b) modify the **Outline Change Proposal**, whereupon subparagraphs 5.2.2 to 5.2.4 inclusive, and this sub-paragraph 5.2.5, shall apply mutatis mutandis to such modified **Outline Change Proposal**; or

(c) implement the **Outline Change Proposal** (including any modification thereto pursuant to sub-paragraph 5.2.5(b) above), whereupon the provisions of sub-paragraph 5.2.6 shall apply, provided always that where **National Grid** fails to take any of the steps outlined above by the date which is 40 **Business Days** after the date of notification of the **Outline Change Proposal** then the same shall be deemed to have been withdrawn with immediate effect.

Detailed Change Proposals

5.2.6 If **National Grid** decides to implement an **Outline Change Proposal** (including any modification thereto pursuant to sub-paragraph 5.2.5(b)), then it shall formulate a **Detailed Change Proposal**. Each **Detailed Change Proposal** shall specify a **Final Implementation Date** and shall be accompanied by a copy of this **Document** with the amendments specified in the **Detailed Change Proposal** incorporated.

5.2.7 Each **Detailed Change Proposal** shall be notified by **National Grid** to all **Fast Reserve Providers** in writing as soon as reasonably practicable and in any event within 20 **Business Days** of notification by **National Grid** pursuant to sub-paragraph 5.2.5(c) or shall occur as soon as reasonably practicable and in any event within 20 **Business Days** after the notification pursuant to sub-paragraph 5.2.5(c). Except in the case of a **Detailed Change Proposal** required as a result of a **Proposed Legal Requirement** or a **Change in Law**, the **Detailed Change Proposal** will ordinarily be notified no later than the date of issue of the **Firm Fast Reserve Tender Procedure** which immediately precedes the **Final Implementation Date**.

5.2.8 Amendments to this **Document** set out in a **Detailed Change Proposal** notified by **National Grid** to **Fast Reserve Providers** pursuant to sub-paragraph 5.2.7 shall become effective from the **Final Implementation Date**, whereupon this **Document** as so amended shall automatically be incorporated into each **Framework Agreement** in accordance with (and subject to) sub-paragraph 1.2 so as to apply (as may be amended in the future pursuant to this paragraph 5.2) to all subsequent **Firm Fast Reserve Tenders** and to all **Fast Reserve Contracts** then subsisting, subject always to:-

(a) all and any accrued rights and liabilities of **National Grid** and **Fast Reserve Providers** hereunder and all and any rights and remedies they may have, in each case with respect to periods prior to the **Final Implementation Date**; and

(b) sub-paragraphs 5.2.13, 5.2.15 and 5.2.21.

5.2.9 On each occasion that this **Document** is amended in accordance with the foregoing provisions, **National Grid** shall on or before the **Final Implementation Date** publish this **Document** as so amended on the **Industry Information Website** and shall identify the same by issue number and date of publication.

Affected Fast Reserve Providers

5.2.10 With respect to a **Detailed Change Proposal**, each and any **Affected Fast Reserve Provider** may, no later than 15 **Business Days** after notification by **National Grid** of that **Detailed Change Proposal**, elect by notice in writing to **National Grid**, and subject always to sub-paragraph 5.2.11, to either:-

(a) where it is of the reasonable opinion that such amendments materially prejudice its ability to provide **Fast Reserve** and/or comply with such **Affected Fast Reserve Contract(s)**, reject the

application of such amendments to each of such **Affected Fast Reserve Contracts** provided that such rejection is accompanied by a statement of the reason why, in the reasonable opinion of the **Affected Fast Reserve Provider**, such rejection is being made; or

- (b) where it is of the reasonable opinion that it is in a less favourable position providing **Fast Reserve** and/or complying with such **Affected Fast Reserve Contract(s)** than would be the case if such amendments had not occurred, seek an increase to any or all of the **Contract Prices** in respect of each of such **Affected Fast Reserve Contracts**.

5.2.11 With respect to any **Detailed Change Proposal** required as a result of a **Proposed Legal Requirement** or a **Change in Law**, the **Affected Fast Reserve Provider** may not make an election pursuant to sub-paragraph 5.2.10(a), and furthermore may only make an election pursuant to sub-paragraph 5.2.10(b) if the amendments are required as a result of a **Qualifying Change in Law**, provided always that where the **Affected Fast Reserve Provider** disputes that such amendments are required as a result of a **Proposed Legal Requirement** or a **Change in Law** (including a **Qualifying Change in Law**) then it may, within the period of 15 **Business Days** specified in sub-paragraph 5.2.10, refer the matter to **Expert Determination**.

5.2.12 Each notice of election by an **Affected Fast Reserve Provider** pursuant to sub-paragraph 5.2.10(a) or (b) shall be accompanied by a full and detailed justification.

Rejection of Certain Detailed Change Proposals to Subsisting Fast Reserve Contracts

5.2.13 Within 20 **Business Days** of receipt by **National Grid** of the **Affected Fast Reserve Provider's** notice pursuant to sub-paragraph 5.2.10(a) of its election to reject the application of amendments to this **Document** to the **Affected Fast Reserve Contract(s)**, **National Grid** and the **Affected Fast Reserve Provider** shall negotiate in good faith amendments to the **Framework Agreement** by way of **Special Condition(s)** in order to negate the impact of the amendments set out in the **Detailed Change Proposal** with respect to each **Affected Fast Reserve Contract**, such that the **Affected Fast Reserve Provider** is in no better and no worse position after the coming into effect of the **Detailed Change Proposal** than it would have been in had such **Detailed Change Proposal** not come into effect.

5.2.14 If by the expiry of such period of 20 **Business Days** **National Grid** and the **Affected Fast Reserve Provider** have been unable to reach agreement as to the amendments to the **Framework Agreement** contemplated in sub-paragraph 5.2.13, then either of them may, with the written consent of the other, refer the matter or matters in dispute to **Expert Determination**.

5.2.15 Until such time as such amendments to the **Framework Agreement** are agreed or determined (as the case may be), and notwithstanding sub-paragraph 5.2.8, unless otherwise agreed between **National Grid** and the **Affected Fast Reserve Provider**, this **Document** (as may subsequently be amended from time to time) shall be deemed incorporated into the **Affected Fast Reserve Provider's Framework Agreement** but on the basis that the amendments set out in the relevant **Detailed Change Proposal** shall not apply to the **Affected Fast Reserve Contract(s)**.

Increase in Contract Prices

- 5.2.16 Within 20 **Business Days** of receipt by **National Grid** of the **Affected Fast Reserve Provider's** notice pursuant to sub-paragraph 5.2.10(b) of its intention to seek an increase to **Contract Prices**, **National Grid** and the **Affected Fast Reserve Provider** shall negotiate in good faith an increase to the **Contract Prices** (or any of them) in respect of each **Affected Fast Reserve Contract** so as to reflect any increase in net cost demonstrated by the **Fast Reserve Provider** to **National Grid's** reasonable satisfaction and taking into account sub-paragraphs 5.2.17 and 5.2.18 (and for such purpose the **Fast Reserve Provider** shall provide to **National Grid** all such evidence as it may reasonably require).
- 5.2.17 The **Affected Fast Reserve Provider** shall take all reasonable steps to minimise any such increase in net costs arising from such **Detailed Change Proposal**.
- 5.2.18 The **Contract Prices** or any of them as agreed or determined to be increased pursuant to sub-paragraphs 5.2.16 and 5.2.19 (as the case may be) shall only be effective from the **Final Implementation Date** of the **Detailed Change Proposal**.
- 5.2.19 If by the expiry of the period of **20 Business Days** referred to in sub-paragraph 5.2.16 **National Grid** and the **Affected Fast Reserve Provider** have been unable to agree an increase to the **Contract Prices** contemplated by sub-paragraph 5.2.16, then the **Fast Reserve Provider** may either:-
- (a) following not less than 5 **Business Days'** notice in writing to **National Grid**, refer the matter or matters in dispute to **Expert Determination**; or
 - (b) where such **Detailed Change Proposal** is not required as a result of a **Qualifying Change in Law**, reject the application of such amendments to this **Document** to the **Affected Fast Reserve Contract(s)** by written notice to **National Grid** whereupon the provisions of sub-paragraphs 5.2.13, 5.2.14 and 5.2.15 shall apply mutatis mutandis.
- 5.2.20 **National Grid** may at its sole discretion modify a **Detailed Change Proposal** that is required as a result of a **Proposed Legal Requirement** at any time prior to the coming into effect of the **Change in Law**, provided that:-
- (a) such **Detailed Change Proposal** shall only be amended to the extent that and insofar as is necessary to give effect to any change to the **Proposed Legal Requirement** which comes to **National Grid's** attention; and
 - (b) insofar as the **Fast Reserve Provider** notified **National Grid** pursuant to sub-paragraph 5.2.10(b) of its election to seek an increase to the **Contract Prices**, the **Fast Reserve Provider** shall have a further opportunity to do so to take account of any further increase in its net costs referred to therein resulting from the modification to the **Detailed Change Proposal**, provided always that such notice is received by **National Grid** no later than 5 **Business Days** after notification by **National Grid** of the modified **Detailed Change Proposal**.
- 5.2.21 Without prejudice to any provision of this paragraph 5.2, **National Grid** may, at its sole discretion and at any time prior to the later of (i) the relevant **Final Implementation Date** or, (ii) where sub-paragraphs 5.2.11, 5.2.14 or 5.2.19 apply, the date being 5 **Business Days** after the date of the **Expert's** written decision, withdraw a **Detailed Change Proposal** by notice in writing to the **Fast Reserve Provider**, whereupon the same shall be of no effect and:-

- (a) the **Framework Agreement** of each **Affected Fast Reserve Provider** shall be amended so as to remove any **Special Condition(s)** agreed between the **Parties** pursuant to sub-paragraph 5.2.13 in respect of such **Detailed Change Proposal**; or
- (b) any increase in **Contract Prices** agreed or determined pursuant to sub-paragraphs 5.2.16 and 5.2.19 (as the case may be) shall be of no effect and the **Contract Prices** stated in the **Affected Fast Reserve Contracts** shall continue to apply.

5.2.22 Nothing in this paragraph 5.2 shall preclude **National Grid** and all other **Parties** at the relevant time from agreeing changes to this **Document** otherwise than in accordance with this paragraph 5.2.

5.3 PAYMENTS

5.3.1 On the eighteenth **Business Day** of each calendar month **National Grid** shall send to the **Fast Reserve Provider** (or, subject to sub-paragraph 5.10, to the **Fast Reserve Provider's Agent**) a statement ("the **Monthly Statement**") setting out details of the following (to the extent applicable) in respect of the preceding calendar month:-

- (a) the **Firm Fast Reserve Windows** or **Settlement Periods** (as the case may be);
- (b) the hours of provision of **Fast Reserve** for each **Fast Reserve Unit**;
- (c) the **Firm Availability Payments, Positional Payments, Enhanced Rates Availability Payments** and **Optional Availability Payments**;
- (d) the **Monthly Delivery Reconciliation Payment** (if any) payable by the **Fast Reserve Provider**; and
- (e) each occurrence of an event of default specified in Section 3.

5.3.2 If the **Fast Reserve Provider** disagrees with any dates, times, facts or calculations set out in the **Monthly Statement**, subject to sub-paragraph 5.3.17, it shall produce (or, subject to paragraph 5.10, procure that the **Fast Reserve Provider's Agent** produces) to **National Grid** the evidence upon which it relies in support of such disagreement. The **Fast Reserve Provider** (or, subject to paragraph 5.10, the **Fast Reserve Provider's Agent**, to the exclusion of the **Fast Reserve Provider**) and **National Grid** shall discuss and endeavour to resolve the matter and any revisions to the **Monthly Statement** agreed as a result thereof shall appear in the **Monthly Statement** next following the date of resolution of the dispute. The dates, times, facts and calculations set out in the **Monthly Statement** shall be binding upon the **Parties** until such time as they are reversed or revised by agreement between the **Parties** (including, subject to paragraph 5.10, the **Fast Reserve Provider's Agent**) or by an arbitrator appointed pursuant to sub-paragraph 5.11.

5.3.3 Where:-

- (a) **National Grid** discovers that any previous **Monthly Statement** contains an arithmetic error or omission; or
- (b) **National Grid** becomes aware of any facts (other than facts falling within sub-paragraph 5.3.3(a)) which show that the **Fast Reserve Provider** (or, subject to paragraph 5.10, the **Fast**

Reserve Provider's Agent) was not entitled to receive a payment already made (including, for the avoidance of doubt, where sub-paragraph 5.5.4 applies),

subject to sub-paragraph 5.3.17, **National Grid** shall adjust the account between itself and the **Fast Reserve Provider** (or, subject to paragraph 5.10, the **Fast Reserve Provider's Agent**) accordingly in the next **Monthly Statement** which it issues, setting out the reason why the adjustment has been made, and the provisions of sub-paragraph 5.3.2 shall apply mutatis mutandis to such adjustments.

- 5.3.4 The due date of payment for the purposes of sub-paragraph 5.3.6 in respect of any disputed amount subsequently determined or agreed to be payable to the **Fast Reserve Provider** (or, subject to paragraph 5.10, the **Fast Reserve Provider's Agent**) shall be the date for payment of the relevant **Monthly Statement** from which the dispute arises.
- 5.3.5 **National Grid** shall pay to the **Fast Reserve Provider** (or, subject to paragraph 5.10, the **Fast Reserve Provider's Agent**) the amount shown as due from **National Grid** in a **Monthly Statement** within three **Business Days** of the date on which the **Monthly Statement** is or should be received. The **Fast Reserve Provider** shall pay to **National Grid** the amount shown as due from the **Fast Reserve Provider** in a **Monthly Statement** within three **Business Days** of the date on which the **Monthly Statement** is issued.
- 5.3.6 If either **Party** ("the **Defaulting Party**") in good faith and/or with reasonable cause fails to pay under sub-paragraph 5.3.5 any amount properly due under this **Document**, such **Defaulting Party** shall pay to the other **Party** interest on such overdue amount from and including the due date of such payment to (but excluding) the date of actual payment (as well after as before judgement) at the **Base Rate** provided that should the **Defaulting Party** otherwise fail to pay any amount properly due under this **Document** on the due date then the **Defaulting Party** shall pay to the other **Party** interest on such overdue amount at the **Enhanced Rate** from the due date on which such payment was properly due to (but excluding) the date of actual payment. Interest shall accrue from day to day.
- 5.3.7 If, following a dispute or by virtue of sub-paragraphs 5.3.2 or 5.3.3, it is determined or agreed that the **Fast Reserve Provider** was entitled to a further payment from **National Grid**, the **Fast Reserve Provider** shall be entitled to interest at the **Base Rate** on the amount of such further payment from the due date calculated in accordance with sub-paragraph 5.3.4 until the date of actual payment.
- 5.3.8 If following a dispute or by virtue of the provisions of sub-paragraphs 5.3.2 or 5.3.3 it is determined or agreed that the **Fast Reserve Provider** was not entitled to any payment it has received, **National Grid** shall be entitled to interest at the **Base Rate** on the amount so paid from the date of payment until the date of repayment or the date when **National Grid** makes a payment to the **Fast Reserve Provider** (or, subject to paragraph 5.10, the **Fast Reserve Provider's Agent**) which takes such payment into account.
- 5.3.9 Notwithstanding any other provision of this **Document**, the **Parties** shall not be limited in any way as to the evidence upon which they may rely in any proceedings arising out of or in connection with payment for making available or providing **Fast Reserve** under this **Document**, the **Framework Agreement** and/or the **Fast Reserve Contract** and the **Parties** agree that, in the event and to the extent that either **Party** succeeds in proving in any such proceedings that **Fast Reserve** was or was not made available or provided, the successful **Party** shall be entitled to repayment of the sums already paid or payment of

sums not paid as the case may be in respect of **Fast Reserve** or its availability. Where the **Fast Reserve Provider** is entitled to a repayment under this sub-paragraph 5.3.9 and where the **Fast Reserve Provider** has appointed an **Agent** under paragraph 5.10 such repayment shall be made by **National Grid** to the **Fast Reserve Provider's Agent**.

- 5.3.10 Save as otherwise expressly provided in this **Document** or the **Framework Agreement**, sums payable by one **Party** to the other (including, subject to paragraph 5.10, to the **Fast Reserve Provider's Agent**) pursuant to this **Document** or the **Framework Agreement** whether by way of charges, interest or otherwise, shall (except to the extent otherwise required by law) be paid in full, free and clear of and without deduction, set-off or deferment in respect of any disputes or claims whatsoever provided that either **Party** shall be entitled to set off any payment due and payable by the other **Party** under this **Document** or the **Framework Agreement** against any payment it makes to that **Party** other (including, subject to paragraph 5.10, to the **Fast Reserve Provider's Agent**).
- 5.3.11 **National Grid** represents and warrants to the **Fast Reserve Provider** that it enters into the **Framework Agreement** and each **Fast Reserve Contract** as principal and not as agent for any other person.
- 5.3.12 All amounts specified in the **Fast Reserve Contract** shall be exclusive of any **Value Added Tax** or other similar tax and **National Grid** shall pay to the **Fast Reserve Provider** other (or, subject to paragraph 5.10, to the **Fast Reserve Provider's Agent**) **Value Added Tax** at the rate for the time being and from time to time properly chargeable in respect of the making available and/or provision of **Fast Reserve** under this **Document**, the **Framework Agreement** and all **Fast Reserve Contracts**.
- 5.3.13 The **Fast Reserve Provider** hereby warrants and represents to **National Grid** that it consents to the operation of a self-billing system by **National Grid** with regard to the payment for **Fast Reserve** to be provided and made available pursuant to this **Document**, the **Framework Agreement** and all **Fast Reserve Contracts** and will at all times throughout the terms of each **Fast Reserve Contract** maintain such consent. The **Fast Reserve Provider** hereby undertakes to do (at **National Grid**'s cost) all acts and things reasonably necessary to enable **National Grid** to comply with the regulations of HM Customs and Excise as regards such self billing.
- 5.3.14 The submission of all **Monthly Statements** and facts and other evidence in support thereof and any questions in connection therewith from **National Grid** to the **Fast Reserve Provider** (or, subject to paragraph 5.10, to the **Fast Reserve Provider's Agent**) and vice versa in accordance with this paragraph 5.3 must be made, in the absence of agreement to the contrary between the **Parties**, by 19.00 hours on the **Business Day** concerned.
- 5.3.15 All payments to be made by **National Grid** to the **Fast Reserve Provider** under this **Document** will be made by payment to the **Fast Reserve Provider's** (or, subject to paragraph 5.10, to the **Fast Reserve Provider's Agent's**) bank account details of which are notified by the **Fast Reserve Provider** from time to time in accordance with paragraph 5.9.
- 5.3.16 Where the **Fast Reserve Provider** has appointed an **Agent** in accordance with paragraph 5.10, the **Fast Reserve Provider** hereby agrees that:-

- (a) the receipt by the **Fast Reserve Provider's Agent** of any payments to be made by **National Grid** under this **Document** shall be effective as though made to the **Fast Reserve Provider**, and that any entitlement by **National Grid** to withhold payments from the **Fast Reserve Provider's Agent** under this **Document** shall not result in any entitlement on the part of the **Reserve Provider** to receive such withheld payment; and
- (b) all payments to be made to the **Fast Reserve Provider's Agent** by **National Grid** pursuant to the obligations contained in this paragraph 5.3 shall be made to the **Fast Reserve Provider's Agent** as agent for an on behalf of the **Fast Reserve Provider**. If the **Fast Reserve Provider** wishes to appoint an alternative agent to act on its behalf or cease use of the **Fast Reserve Provider's Agent** then it shall be entitled to do by the service of not less than 28 days' notice in writing to **National Grid**. With effect from the expiry of such notice the **Fast Reserve Provider's Agent's** details in the **Fast Reserve Contract** shall be deemed to have been amended or deleted (as the case may be).

5.3.17 In the absence of fraud, neither the **Fast Reserve Provider** nor **National Grid** may invoke the provisions of (respectively) paragraphs 5.3.2 or 5.3.3 with respect to the contents of any **Monthly Statement** after the period of 12 months commencing at the start of the calendar month to which such **Monthly Statement** relates, after which date such **Monthly Statement** shall be final and conclusive as to the amounts payable with respect thereto. For the avoidance of doubt, where a **Monthly Statement** reflects adjustments to a previous **Monthly Statement** in accordance with the foregoing provisions of this paragraph 5.3 then for the purposes of this sub-paragraph 5.3.17 the period of 12 months shall commence at the start of the calendar month to which the original **Monthly Statement** relates.

5.3.18 The provisions of this sub-paragraph 5.3 shall survive the termination of any **Fast Reserve Contract** and/or **Framework Agreement**.

5.4 LIMITATION OF LIABILITY

5.4.1 Subject to sub-paragraph 5.4.2, and save where any provision of this **Document**, the **Framework Agreement** or any **Fast Reserve Contract** provides for an indemnity or the payment of liquidated damages, the **Parties** agree and acknowledge that neither **Party** (the "**Party Liable**") nor any of its officers, employees or agents shall be liable to the other **Party** for loss arising from any breach of this **Document**, the **Framework Agreement** or the **Fast Reserve Contract** other than for loss directly resulting from such breach and which at the date of the **Framework Agreement** or the **Fast Reserve Contract** concerned was reasonably foreseeable as not unlikely to occur in the ordinary course of events from such breach in respect of:-

- (a) physical damage to the property of the other **Party**, its officers, employees or agents; and/or
- (b) the liability of such other **Party** to any other person for loss in respect of physical damage to the property of any person subject, for the avoidance of doubt, to the requirement that the amount of such liability claimed by such other **Party** should be mitigated in accordance with general law,

provided further that the liability of any **Party** in respect of all claims for such loss shall not exceed five million pounds sterling (£5,000,000) per incident or series of related incidents.

- 5.4.2 Nothing in this **Document** or in the **Framework Agreement** or any **Fast Reserve Contract** shall exclude or limit the liability of the **Party Liable** for death or personal injury resulting from the negligence of the **Party Liable** or any of its officers, employees or agents and the **Party Liable** shall indemnify and keep indemnified the other **Party**, its officers, employees or agents, from and against all such and any loss or liability which such other **Party** may suffer or incur by reason of any claim on account of death or personal injury resulting from the negligence of the **Party Liable** or any of its officers, employees or agents.
- 5.4.3 Subject to sub-paragraph 5.4.2, and save where any provision of this **Document**, the **Framework Agreement** or any **Fast Reserve Contract** provides for an indemnity or the payment of liquidated damages, neither the **Party Liable** nor any of its officers, employees or agents shall in any circumstances whatsoever be liable to the other **Party** for:-
- (a) any loss of profit, loss of revenue, loss of use, loss of contract or loss of goodwill; or
 - (b) any indirect or consequential loss; or
 - (c) loss resulting from the liability of the other **Party** to any other person howsoever and whensoever arising save as provided in sub-paragraph 5.4.1(a) and sub-paragraph 5.4.2.
- 5.4.4 Each **Party** acknowledges and agrees that the other **Party** holds the benefit of sub-paragraphs 5.4.1 and 5.4.2 and 5.4.3 for itself and as trustee and agent for its officers, employees and agents.
- 5.4.5 The rights and remedies provided by this **Document**, the **Framework Agreement** and any **Fast Reserve Contract** to the **Parties** are exclusive and not cumulative and exclude and are in place of all substantive (but not procedural) rights or remedies express or implied and provided by common law or statute in respect of the subject matter of this **Document**, the **Framework Agreement** and any **Fast Reserve Contract**, including (without limitation) any rights either **Party** may possess in tort which shall include actions brought in negligence and/or nuisance. Accordingly, each of the **Parties** hereby waives to the fullest extent possible such rights and remedies provided by common law or statute and releases the other **Party**, its officers, employees and agents to the same extent from all duties, liabilities, responsibilities or obligations provided by common law or statute in respect of the matters dealt with in this **Document**, the **Framework Agreement** and any **Fast Reserve Contract** and undertakes not to enforce any of the same except as expressly provided herein.
- 5.4.6 For the avoidance of doubt, the **Parties** acknowledge and agree that nothing in this **Document** or in the **Framework Agreement** or any **Fast Reserve Contract** shall exclude or restrict or otherwise prejudice or affect any of the rights, powers, privileges, remedies, duties and obligations of the **Secretary of State** or the **Authority** under the **Act**, any **Licence** or otherwise howsoever.
- 5.4.7 Each of sub-paragraphs 5.4.1, 5.4.2, 5.4.3 and 5.4.4 shall:-
- (a) be construed as a separate and severable contract term, and if one or more of such sub-paragraphs is held to be invalid, unlawful or otherwise unenforceable the other or others of

such sub-paragraphs shall remain in full force and effect and shall continue to bind the Parties;
and

(b) survive termination of the **Framework Agreement** or the **Fast Reserve Contract** concerned.

5.4.8 For the avoidance of doubt, nothing in this paragraph 5.4 shall prevent or restrict any **Party** enforcing any obligation (including suing for a debt) owed to it under or pursuant to this **Document**, the **Framework Agreement** or any **Fast Reserve Contract**.

5.4.9 Each **Party** acknowledges and agrees that the provisions of this paragraph 5.4 have been the subject of discussion and negotiation and are fair and reasonable having regard to the circumstances as at the date of submission of the relevant **Firm Fast Reserve Tender**.

5.5 TERMINATION

*Termination by the **Fast Reserve Provider***

5.5.1 In the event that:-

(a) **National Grid** shall fail to pay (other than by inadvertent error in funds transmission which is discovered by the **Fast Reserve Provider**, notified to **National Grid** and corrected within five **Business Days** following such notification) any amount properly due or owing from it pursuant to this **Document**, the **Framework Agreement** or any **Fast Reserve Contract** according to its terms, and such non-payment continues unremedied and not disputed in good faith and upon reasonable grounds at the expiry of seven **Business Days** immediately following receipt by **National Grid** of written notice from the **Fast Reserve Provider** of such non-payment; or

(b) in respect of **National Grid**:-

(i) an order of the High Court is made or an effective resolution passed for its insolvent winding-up or dissolution; or

(ii) a receiver (which expression shall include (where relevant) an administrative receiver within the meaning of Section 29 of the Insolvency Act 1986) of the whole or any material part of its assets or undertaking is appointed; or

(iii) an administration order under Section 8 of the Insolvency Act 1986 is made or any other steps are taken to appoint an administrator or a voluntary arrangement is proposed under Section 1 of that Act; or

(iv) it enters into any scheme of arrangement (other than for the purpose of reconstruction or amalgamation upon terms and within such period as may previously have been approved in writing by the **Authority**); or

(v) it is unable to pay its debts within the meaning of Section 123 (1) or (2) of the Insolvency Act 1986 save that such section shall have effect as if for £750.00 there was inserted £250,000 (and **National Grid** shall not be deemed to be unable to pay

its debts if any demand for payment is being contested in good faith by it with recourse to all appropriate measures and procedures),

and in any of the cases specified in this sub-paragraph 5.5.1(b), within 28 days of appointment of the liquidator, receiver, administrative receiver, administrator, nominee or other similar officer, such person has not provided to the **Fast Reserve Provider** a guarantee of future performance by **National Grid** of the **Framework Agreement** and all **Fast Reserve Contracts** in such form and amount as the **Fast Reserve Provider** may reasonably require,

the **Fast Reserve Provider** may declare by notice in writing to **National Grid** that such event or events has become a termination event. Once the **Fast Reserve Provider** has given notice of a termination event, the **Fast Reserve Contract(s)** shall terminate.

Termination by National Grid

5.5.2 In the event that the **Fast Reserve Provider** at any time ceases to be a party to an agreement for connection to and (where required) use of a **System** in respect of any **Fast Reserve Unit**, **National Grid** may in its absolute discretion terminate the **Fast Reserve Contract** related to such **Fast Reserve Unit** by notice in writing to the **Fast Reserve Provider** provided always that such right of termination shall not arise where the **Fast Reserve Provider** shall have assigned or transferred the benefit or burden of the **Fast Reserve Contract** concerned in accordance with sub-paragraph 5.5.1.

5.5.3 In the event that:-

- (a) **the Fast Reserve Provider** shall fail to pay (other than by inadvertent error in funds transmission which is discovered by **National Grid**, notified to the **Fast Reserve Provider** and corrected within five **Business Days** thereafter) any amount properly due or owing from the **Fast Reserve Provider** to **National Grid** pursuant to this **Document**, the **Framework Agreement** or any **Fast Reserve Contract** according to its terms, and such non-payment continues unremedied and not disputed in good faith and upon reasonable grounds at the expiry of seven **Business Days** immediately following receipt by the **Fast Reserve Provider** of written notice from **National Grid** of such non-payment; or
- (b) in respect of the **Fast Reserve Provider**:-
 - (i) an order of the High Court is made or an effective resolution passed for its insolvent winding up or dissolution; or
 - (ii) a receiver (which expression shall include (where relevant) an administrative receiver within the meaning of Section 29 Insolvency Act 1986) of the whole or any material part of its assets or undertaking is appointed; or
 - (iii) an administration order under Section 8 of the Insolvency Act 1986 is made or any other steps are taken to appoint an administrator or a voluntary arrangement is proposed under Section 1 of that Act; or

- (iv) it enters into any scheme of arrangement (other than for the purpose of a reconstruction or amalgamation upon terms and within such period as may previously have been approved in writing by the **Authority**); or
- (v) it is unable to pay its debts (within the meaning of Section 123(1) or (2) of the Insolvency Act 1986 save that such sections shall have effect as if for £750.00 there was inserted £250,000 and the **Fast Reserve Provider** shall not be deemed to be unable to pay its debts if any demand for payment is being contested in good faith by the **Fast Reserve Provider** with recourse to all appropriate measures and procedures),

and, in any of the cases specified in this sub-paragraph 5.5.3(b), within 28 days of appointment of the liquidator, receiver, administrative receiver, administrator, nominee or other similar officer, such person has not provided to **National Grid** a guarantee of future performance by the **Fast Reserve Provider** of the **Framework Agreement** and all **Fast Reserve Contracts** in such form and amount as **National Grid** may reasonably require,

National Grid may declare by notice in writing to the **Fast Reserve Provider** that such event or events has become a termination event in respect of the **Fast Reserve Contract(s)** and (in **National Grid**'s discretion) the **Framework Agreement**. Once **National Grid** has given notice of a termination event the **Fast Reserve Contract(s)** and (where applicable) the **Framework Agreement** shall terminate.

- 5.5.4 Where the **Fast Reserve Provider** has, in respect of a **Generating Unit** and/or other **Plant** and **Apparatus** or which is the subject of a **Framework Agreement**, failed two or more consecutive **Reproving Tests** conducted in accordance with sub-paragraph 1.5.6, **National Grid** shall (without prejudice to any other provision of this paragraph 5.5) be entitled (at its sole discretion but subject always to sub-paragraph 5.5.5) to terminate the **Framework Agreement** in respect of the **Generating Unit** in question by notice in writing to the **Fast Reserve Provider**.
- 5.5.5 Before deciding (in its sole discretion) whether to exercise its right to terminate pursuant to sub-paragraph 5.5.4 above, **National Grid** shall use reasonable endeavours to discuss with the **Reserve Provider** the circumstances giving rise to the failed **Reproving Tests** (any such discussion to be confirmed in writing by **National Grid**).
- 5.5.6 Without prejudice to sub-paragraphs 5.5.1 to 5.5.3 inclusive:-
 - (a) a **Fast Reserve Contract** shall also terminate in the circumstances specified in Section 3 of this **Document**;
 - (b) a **Fast Reserve Contract** shall also terminate in the circumstances specified in the **Framework Agreement**; and
 - (c) a **Framework Agreement** and all and any subsisting **Fast Reserve Contracts** shall also terminate in the circumstances specified in sub-paragraphs 5.14.6 and 5.18.2.
- 5.5.7 Termination of the **Framework Agreement** and any **Fast Reserve Contract** shall be without prejudice to the rights and remedies to which a **Party** may be entitled thereunder and shall not affect any accrued rights or liabilities of either **Party** nor the coming into or continuance in force of any provision thereof which is expressly or by implication intended to come into force on or after such termination.

5.6 ASSIGNMENT

5.6.1 The **Fast Reserve Provider** shall not assign or transfer nor purport to assign or transfer the benefit or burden of the **Framework Agreement** and/or any **Fast Reserve Contract** save in the following circumstances:-

- (a) the **Fast Reserve Provider** may assign or charge its benefit under the **Framework Agreement** and/or a **Fast Reserve Contract** in whole or in part by way of security;
- (b) upon the disposal of the whole or any part of the **Fast Reserve Provider's** business or undertaking of which the **Fast Reserve Unit** forms part, the **Fast Reserve Provider** may transfer all or some of its rights and obligations under the **Framework Agreement** to the purchaser thereof with the prior written consent of **National Grid** (which shall not be unreasonably withheld or delayed), and all extant **Fast Reserve Contracts** with respect to that **Fast Reserve Unit** forms part, shall thereupon be deemed to be transferred to such purchaser.

5.6.2 **National Grid** shall not assign or transfer nor purport to assign or transfer the benefit or burden of the **Framework Agreement** and any **Fast Reserve Contract** save that each **Fast Reserve Provider** consents to the assignment or transfer by **National Grid** of its rights and obligations under all **Fast Reserve Contracts** and **Framework Agreements** to a person required by a licence granted under Section 6(1)(b) of the **Act** to contract for **Balancing Services**.

5.7 CONFIDENTIALITY AND ANNOUNCEMENTS

General Restrictions

5.7.1 Subject to the exceptions provided in sub-paragraph 5.7.2 and 5.7.4, and to the extent otherwise expressly permitted by this **Document**, the **Framework Agreement** and/or any **Fast Reserve Contract**, neither **Party** shall, at any time, whether before or after the expiry or sooner termination of the **Framework Agreement** and/or any **Fast Reserve Contract**, without the prior consent of the other **Party** in writing, divulge or suffer or permit its officers, employees, agents or contractors to divulge to any person or permit use by any person (other than disclosure to or use by any of its or their respective officers or employees to the extent that such disclosure and use is required to enable such persons properly to carry out their duties in connection with the **Framework Agreement** and/or any **Fast Reserve Contract**) of:-

- (a) any of the contents of the **Framework Agreement** or any **Firm Fast Reserve Tender** (or any acceptance or rejection thereof);
- (b) any commercially confidential information relating to the negotiations concerning the entering into of the **Framework Agreement**;
- (c) any commercially confidential information which may come to a **Party's** knowledge in the course of such negotiations; or
- (d) any commercially confidential information concerning the operations, contracts, commercial or financial arrangements or affairs of the other **Party**.

5.7.2 Each **Party** undertakes to use information referred to in sub-paragraph 5.7.1 and disclosed to it by the other **Party** solely for the purposes of the **Framework Agreement** and/or any **Fast Reserve Contract** and shall not use it for any other purpose or for the purposes of any third party.

Exceptions

5.7.3 The restrictions imposed by sub-paragraph 5.7.1 shall not apply to the disclosure of any information:-

- (a) which now or hereafter comes into the public domain otherwise than as a result of a breach of a confidentiality obligation or which either **Party** can show was in its written records prior to the date of disclosure of the same by the other **Party** or which it received from a third party independently entitled to disclose it;
- (b) which is required by law or pursuant to the rules of the **Electricity Supply Industry Arbitration Association in Great Britain** or pursuant to the rules or regulations of the Financial Services Authority to be disclosed to any person who is authorised by law or pursuant to the rules of the **Electricity Supply Industry Arbitration Association in Great Britain** or pursuant to the rules or regulations of the Financial Services Authority to receive the same;
- (c) which is required to be disclosed by the regulations of any recognised exchange upon which the share capital of the **Party** making the disclosure (or its parent undertaking) is or is proposed to be from time to time listed or dealt in, or is required to be disclosed by the Panel on Takeovers and Mergers;
- (d) to a court, arbitrator or administrative tribunal in the course of proceedings before it to which the disclosing **Party** is a party;
- (e) in accordance with the provisions of the **Balancing and Settlement Code** or pursuant to any **Licence** of the **Party** concerned;
- (f) to any parent, subsidiary or fellow subsidiary undertaking on a "need to know" basis only;
- (g) to any authorised consultants, banks, financiers, insurers or professional advisers to the disclosing **Party**;
- (h) required or expressly permitted to be disclosed under the terms of any agreement or arrangement (including this **Document**, the **Grid Code**, the **Connection and Use of System Code**, the **Distribution Code** and the **Fuel Security Code** (if any)) to which the **Parties** have agreed to be bound.

5.7.4 The restrictions imposed by sub-paragraph 5.7.1 shall, subject to sub-paragraph 5.7.6, also not apply to the disclosure by **National Grid** or the **Fast Reserve Provider** (or, subject to paragraph 5.10, by the **Reserve Provider's Agent**) of the following information (or as may be otherwise agreed between **National Grid** and the **Fast Reserve Provider** in a **Framework Agreement**) to the **Fast Reserve Provider's** host **Public Distribution System Operator**:-

- (a) the meter point administration number associated with the relevant **Fast Reserve Unit**; and

- (b) all operational data (including, without limitation, service type, volume and call-off instructions).

5.7.5 In this paragraph 5.7, the words "parent", "subsidiary" and "undertaking" shall have the meanings as provided in Sections 1161 and 1162 of the Companies Act 2006.

Third parties

5.7.6 Before:-

- (a) either **Party** discloses any information in any of the circumstances described in sub-paragraph 5.7.3(f) and (g) (and, in the case of the **Fast Reserve Provider** and subject to paragraph 5.10, the **Fast Reserve Provider's Agent**);
- (b) **National Grid** discloses any of the information described in sub-paragraph 5.7.4 (other than to its authorised professional advisers),

the relevant **Party** shall notify the other **Party** of its intention to make such disclosure and procure the execution and delivery to that **Party** of an undertaking executed by the person to whom the disclosure is proposed to be made being in the same terms mutatis mutandis as the undertakings contained in this paragraph 5.7.

Public announcements

5.7.7 Subject to sub-paragraph 5.7.8, no public announcement or statement regarding the signature, performance or termination of the **Framework Agreement** and/or any **Fast Reserve Contract** shall be issued or made unless before it is issued or made both the **Parties** have been furnished with a copy of it and have approved it (such approval not to be unreasonably withheld or delayed).

5.7.8 Neither **Party** shall be prohibited from issuing or making any such public announcement or statement to the extent expressly permitted or otherwise contemplated by this **Document**, the **Framework Agreement** and/or any **Fast Reserve Contract** or if it is necessary to do so in order to comply with any applicable law or the regulations of any recognised stock exchange upon which the share capital of such **Party** is from time to time listed or dealt in.

Procedures

5.7.9 With respect to the information referred to in sub-paragraph 5.7.1, both **Parties** shall ensure that:-

- (a) such information is disseminated within their respective organisations on a "need to know" basis only;
- (b) employees, directors, agents, consultants and professional advisers who are in receipt of such information are made fully aware of the Party's obligations of confidence in relation thereto; and
- (c) any copies of such information, whether in hard copy or computerised form, will clearly identify the information as confidential.

Termination

5.7.10 Notwithstanding any other provision of this **Document**, the **Framework Agreement** and/or any **Fast Reserve Contract**, the provisions of this paragraph 5.7 shall continue to bind a person after termination of the **Framework Agreement** and/or any **Fast Reserve Contract**, in whole or in part, for whatever reason.

5.8 **WAIVER**

No delay by or omission of any **Party** in exercising any right, power, privilege or remedy under this **Document**, the **Framework Agreement** or any **Fast Reserve Contract** shall operate to impair such right, power, privilege or remedy or be construed as a waiver thereof. Any single or partial exercise of any such right, power, privilege or remedy shall not preclude any other or further exercise thereof or the exercise of any other right, power, privilege or remedy. Payment of any sum or the submission of any **Monthly Statement** by **National Grid** to the **Fast Reserve Provider** under this **Document**, the **Framework Agreement** or any **Fast Reserve Contract** shall not operate to impair or be construed as a waiver of any right, power, privilege or remedy **National Grid** may have against the **Fast Reserve Provider** under this **Document**, the **Framework Agreement** and/or any **Fast Reserve Contract** or otherwise whatsoever and howsoever arising or arisen.

5.9 **NOTICES**

5.9.1 Any notice or other communication to be given by one **Party** to the other under, or in connection with the matters contemplated by this **Document**, the **Framework Agreement** or any **Fast Reserve Contract**, shall unless otherwise expressly agreed herein be addressed to the recipient and sent to the address or facsimile number of such other **Party** set out in the **Framework Agreement** for the purpose and marked for the attention of the person so given or to such other address or facsimile number and/or marked for such other attention as such other **Party** may from time to time specify by notice given in accordance with this paragraph 5.9 to the **Party** giving the relevant notice or other communication to it.

5.9.2 Any notice or other communication to be given by one **Party** to the other **Party** under, or in connection with the matters contemplated by, this **Document**, the **Framework Agreement** or any **Fast Reserve Contract** shall unless otherwise expressly agreed herein be in writing and shall be given by letter delivered by hand or sent by first class prepaid post (airmail if overseas) or facsimile, and shall be deemed to have been received:-

5.9.2.1 in the case of delivery by hand, when delivered; or

5.9.2.2 in the case of first class prepaid post, on the second day following the day of posting or (if sent airmail from overseas) on the fifth day following the day of posting; or

5.9.2.3 in the case of facsimile, on acknowledgement by the addressee's facsimile receiving equipment (where such acknowledgement occurs before 17:00 hours on the day of acknowledgement) and in any other case on the day following the day of acknowledgement.

5.9.3 Any notice or other communication required to be given by **National Grid** in writing to all **Fast Reserve Providers** under or in connection with matters contemplated by this **Document** may be sent to each recipient by email to any email address supplied by that recipient for such purposes from time to time.

5.9.4 Where the **Fast Reserve Provider** has appointed an **Agent** in accordance with paragraph 5.10, **National Grid** agrees that in the event of its serving any notice or other communication on the **Fast Reserve Provider** under or in connection with the matters contemplated by this **Fast Reserve Provider**, the **Framework Agreement** or any **Fast Reserve Contract**, it will contemporaneously with service of such notice or other communication on the **Fast Reserve Provider**, serve a copy for information purposes on the **Fast Reserve Provider's Agent**. Service of any such copy of a notice or other communication on the **Fast Reserve Provider's Agent** shall not under any circumstances be deemed to constitute or satisfy any requirement for service of any notices or other communications on the **Fast Reserve Provider** nor shall the non-service of any such copy of a notice or other communication on the **Fast Reserve Provider Agent** invalidate or otherwise affect any notice or other communication properly served on the **Fast Reserve Provider**. Similarly, non-service of any copy of a notice or other communication by the **Fast Reserve Provider** on the Contracts and Trading Manager of **Fast Reserve Provider** shall not invalidate or otherwise affect any notice or other communication properly served on **Fast Reserve Provider** and marked for the attention of the Company Secretary.

5.10 FAST REVERSE PROVIDER'S AGENT

5.10.1 The **Fast Reserve Provider** may nominate an agent (or subcontractor) to discharge the performance of some or all of its obligations under this **Document** with respect to the provision of **Fast Reserve** insofar as relating to:-

- (a) the submission of **Firm Fast Reserve Tenders**;
- (b) the submission of **Firm Service Declarations**;
- (c) the submission of **Shortfall Notifications**;
- (d) the submission of **Service Withdrawal Notifications**;
- (e) the receipt of **Firm Instructions** and **Optional Service Instructions**, and cease instructions, and confirmation or rejection of the same;
- (f) the receipt and processing of **Monthly Statements**; and
- (g) the receipt of payments.

5.10.2 Any such nomination shall be made in the **Fast Reserve Tender** (if not already reflected in the **Framework Agreement**), and any **Fast Reserve Contract** formed in relation thereto shall be subject to and condition upon the inclusion in that **Framework Agreement** of such terms as **National Grid** may reasonably require with respect thereto.

5.10.3 The nomination of an agent (or subcontractor) pursuant to this sub-paragraph 5.10 shall not relieve the **Fast Reserve Provider** of its obligations under this **Document** and the **Fast Reserve Provider** accepts liability for the acts and omissions of such agent (or subcontractor) as if they were the acts and omissions of the **Fast Reserve Provider**.

5.11 DISPUTE RESOLUTION

5.11.1 Save where expressly stated in this **Document** or in the **Framework Agreement** or any **Fast Reserve Contract** to the contrary and subject to any contrary provision of the **Act** or any **Licence**, and subject always to sub-paragraph 5.11.3, any dispute or difference of whatever nature howsoever arising under, out of or in connection with this **Document**, the **Framework Agreement** or any **Fast Reserve Contract** between the **Parties** shall be and is hereby referred to arbitration pursuant to the arbitration rules of the **Electricity Supply Industry Arbitration Association** in force from time to time.

5.11.2 Whatever the nationality, residence or domicile of either **Party** and wherever the dispute or difference or any part thereof arose, the laws of England and Wales shall be the proper law of any reference to arbitration hereunder and in particular (but not so as to derogate from the generality of the foregoing) the provisions of the Arbitration Act 1996 (notwithstanding anything in Section 108 thereof) shall apply to any such arbitration wherever the same or any part of it shall be conducted.

5.11.3 Where a provision of this **Document** expressly provides for the referral by **National Grid** or a **Fast Reserve Provider** of any matter or matters in dispute to **Expert Determination**, the following provisions shall apply:-

- (a) the **Expert** shall act as an expert and not as an arbitrator and shall decide those matters referred to him using his skill, experience and knowledge, and with regard to all such other matters as he in his sole discretion considers appropriate;
- (b) if **National Grid** and the **Fast Reserve Provider** cannot agree upon the selection of an **Expert**, the **Expert** shall be determined by the President for the time being of the Law Society of England and Wales;
- (c) all references to the **Expert** shall be made in writing by either **National Grid** or the **Fast Reserve Provider** with notice to the other being given contemporaneously, and **National Grid** and the **Fast Reserve Provider** shall promptly supply the **Expert** with such documents and information as he may request when considering any referral;
- (d) the **Expert** shall be requested to use his best endeavours to give his decision upon the question before him as soon as possible in writing following its referral to him, and his decision shall, in the absence of fraud or manifest error, be final and binding upon **National Grid** and the **Fast Reserve Provider**;
- (e) if the **Expert** wishes to obtain independent professional and/or technical advice in connection with the question before him:-
 - (i) he shall first provide **National Grid** and the **Fast Reserve Provider** with details of the name, organisation and estimated fees of the professional or technical adviser; and
 - (ii) he may engage such advisor with the consent of **National Grid** and the **Fast Reserve Provider** (which consent shall not be unreasonably withheld or delayed)

for the purposes of obtaining such professional and/or technical advice as he may reasonably require;

- (f) the **Expert** shall not be held liable for any act or omission, and his written decision will be given without any liability on the **Expert's** part to either **National Grid** or the **Fast Reserve Provider**, unless it shall be shown that he acted fraudulently or in bad faith;
- (g) save to the extent otherwise expressly provided herein pending the determination by the **Expert**, any subsisting **Fast Reserve Contract(s)** shall continue to the extent possible for **National Grid** and the **Fast Reserve Provider** to perform their obligations under such **Fast Reserve Contract(s)**; and
- (h) the **Expert** shall at his discretion be entitled to order that the costs of the reference of a dispute to him shall be paid by **National Grid** and/or the **Fast Reserve Provider** in whatever proportions he thinks fit.

5.12 JURISDICTION

- 5.12.1 Subject to paragraph 5.11 and to sub-paragraph 5.12.4, both **Parties** irrevocably agree that the courts of England and Wales and the courts of Scotland are to have jurisdiction to settle any disputes which may arise out of or in connection with this **Document**, the **Framework Agreement** and/or any **Fast Reserve Contract** and that accordingly any suit, action or proceeding (together in this paragraph 5.12 referred to as "**Proceedings**") arising out of or in connection with this **Document**, the **Framework Agreement** and/or any **Fast Reserve Contract** may be brought to such courts.
- 5.12.2 Each **Party** irrevocably waives any objection which it may have now or hereafter to the laying of the venue of any **Proceedings** in any such court as is referred to in this paragraph 5.12 and any claim that any such **Proceedings** have been brought in an inconvenient forum and further irrevocably agrees that judgment in any proceedings brought in the courts of England and Wales or the courts of Scotland shall be conclusive and binding upon such **Party** and may be enforced in the courts of any other jurisdiction.
- 5.12.3 Each **Party** which is not incorporated in any part of Great Britain agrees that if it does not have, or shall cease to have, a place of business in Great Britain it will promptly appoint, and shall at all times maintain, a person in Great Britain to accept service of process on its behalf in any **Proceedings** in Great Britain.
- 5.12.4 For the avoidance of doubt nothing contained in the foregoing provisions of this paragraph 5.12 shall be taken as permitting a party to commence **Proceedings** in the courts where this **Document**, the **Framework Agreement** or any **Fast Reserve Contract** otherwise provides for **Proceedings** to be referred to arbitration.

5.13 GOVERNING LAW

This **Document**, the **Framework Agreement** and each **Fast Reserve Contract** shall be governed by and construed in all respects in accordance with English law.

5.14 FORCE MAJEURE

- 5.14.1 In so far as either **Party** is prevented from performing any of its obligations under this **Document**, the **Framework Agreement** and/or any **Fast Reserve Contract** due to an event

or circumstance of **Force Majeure**, then neither the **Fast Reserve Provider** nor **National Grid** (as the case may be) shall be deemed to be in breach of such obligations for so long as the circumstance of **Force Majeure** continues to prevent such performance.

- 5.14.2 If **National Grid** is unable to accept the provision of **Fast Reserve** and/or issue a **Bid-Offer Acceptance** or an **Firm Service Instruction** or **Optional Service Instruction** (as the case may be) due to an event or circumstance of **Force Majeure**, it shall not be obliged to pay the **Firm Service Fees** or an **Enhanced Rates Availability Payment** (as the case may be) to the **Fast Reserve Provider** pursuant to sub-paragraphs 3.3.13 or 3.4.7 (as the case may be) in respect of the period during which the event or circumstance of **Force Majeure** continues to prevent such acceptance and/or ability to issue a **Bid-Offer Acceptance** or **Instruction**.
- 5.14.3 The **Party** affected by the **Force Majeure** shall give to the other **Party** immediately upon becoming aware of an event or circumstance of **Force Majeure**, a written communication describing the **Force Majeure** (including, without limitation, the nature of the occurrence and its expected duration) and the obligations which it is prevented from performing and shall continue to furnish regular reports with respect thereto to the other **Party** during the period of **Force Majeure**.
- 5.14.4 As soon as is reasonably practicable, following an event or circumstance of **Force Majeure**, the **Parties** shall meet to discuss how best to continue their respective obligations as set out in this **Document**, the **Framework Agreement** and the relevant **Fast Reserve Contract**.
- 5.14.5 For the avoidance of doubt the non-performance of either **Party's** obligations pursuant to this **Document**, the **Framework Agreement** and any **Fast Reserve Contract** arising prior to the event or circumstance of **Force Majeure**, shall not be excused as a result of the event or circumstance of **Force Majeure**.
- 5.14.6 Either **Party** shall have a right to terminate the provisions of the **Framework Agreement** and/or the relevant **Fast Reserve Contract** if a **Party** has been prevented from performing its obligations under this **Document**, the **Framework Agreement** and such **Fast Reserve Contract** due to an event or circumstance of **Force Majeure** for a continuous period of two calendar months.

5.15 SEVERANCE OF TERMS

If any provision of this **Document**, the **Framework Agreement** or any **Fast Reserve Contract** is or becomes or is declared invalid, unenforceable or illegal by the courts of any jurisdiction to which it is subject or by order of the Commission of the European Communities or by order of the **Secretary of State**, such invalidity, unenforceability or illegality shall not prejudice or affect the remaining provisions of this **Document**, the **Framework Agreement** and such **Fast Reserve Contract** which shall continue in full force and effect notwithstanding such invalidity, unenforceability or illegality.

5.16 ENTIRE AGREEMENT

This **Document**, the **Framework Agreement** and the relevant **Fast Reserve Contract** contain or expressly refer to the entire agreement between the **Parties** with respect to the subject matter of such

agreements, and expressly excludes any warranty, condition or other undertaking implied at law or by custom, and supersedes all previous agreements and understandings between the **Parties** with respect thereto and each of the **Parties** acknowledges and confirms that it is not aware of any representation, warranty or other undertaking not fully reflected in the terms of this **Document**, the **Framework Agreement** and the relevant **Fast Reserve Contract** upon which it has relied in entering into this **Document**, the **Framework Agreement** and the relevant **Fast Reserve Contract**. To the extent that any such representation, warranty or other undertaking exists, each **Party** irrevocably and unconditionally waives any right it may have to claim damages for breach of warranty and/or to rescind the **Framework Agreement** and/or any **Fast Reserve Contract** unless such warranty or misrepresentation was made or given fraudulently.

5.17 **THIRD PARTY RIGHTS**

The **Parties** acknowledge and agree for the purposes of the Contracts (Rights of Third Parties) Act 1999 that no rights, powers or benefits are or shall be conferred on any person pursuant to this **Document**, the **Framework Agreement** or any **Fast Reserve Contract** save as expressly provided in this **Document**, the **Framework Agreement** or such **Fast Reserve Contract**.

5.18 **ANTI-BRIBERY**

5.18.1 Each **Party** shall:

- (a) comply with all **Relevant Requirements**;
- (b) not engage in any activity, practice or conduct which would constitute an offence under sections 1, 2 or 6 of the **Bribery Act** if such activity, practice or conduct had been carried out in the United Kingdom;
- (c) have and shall maintain in place, throughout the term of a **Framework Agreement**, its own policies and procedures, including **Adequate Procedures**, to ensure compliance with the **Relevant Requirements** and this paragraph 5.18, and will enforce them where appropriate; and
- (d) procure and ensure that all of its **Associated Persons** and/or other persons who are performing the services in connection with a **Framework Agreement** comply with this paragraph 5.18.

5.18.2 If either **Party** breaches this paragraph 5.18 then, without prejudice to any other rights or remedies, the other **Party** may immediately terminate the **Framework Agreement** and all and any subsisting **Fast Reserve Contract** on written notice to the **Party** in breach.

5.19 **EMR**

Notwithstanding any confidentiality obligations and any restriction on the use or disclosure of information set out in this **Document**, the **Fast Reserve Provider** consents to **National Grid** and each of its subsidiaries using all and any information or data supplied to or acquired by it in any year under or in connection with this **Document** for the purpose of carrying out its **EMR Functions**.

The provisions relating to the resolution of disputes set out in this **Document** (if any) are subject to any contrary provision of an **EMR Document**.

SECTION 6

INTERPRETATION AND DEFINITIONS

6.1 INTRODUCTION

This Section 6 sets out general rules to be applied in interpreting this **Document**, the **Framework Agreements** and **Fast Reserve Contracts**. A **Framework Agreement** and/or **Fast Reserve Contract** may, in accordance with sub-paragraph 6.2.2, have its own further interpretation rules and defined terms which apply only to that **Framework Agreement** and/or **Fast Reserve Contract**.

6.2 INTERPRETATION AND CONSTRUCTION

6.2.1 In this **Document** and in the **Framework Agreement** and each **Fast Reserve Contract**:-

- (a) the interpretation rules in this paragraph 6.2; and
- (b) the words and expressions defined in paragraph 6.3,

shall, unless the subject matter or context otherwise requires or is inconsistent therewith, apply.

6.2.2 Save as otherwise expressly provided in this **Document**, in the event of any inconsistency between the provisions of the **Framework Agreement** or any **Fast Reserve Contract** (as the case may be) and this **Document**, the provisions of the **Framework Agreement** or **Fast Reserve Contract** (as the case may be) shall prevail in relation to the subject matter thereof.

6.2.3 In this **Document** and in the **Framework Agreement** and each **Fast Reserve Contract**:

- (a) unless the context otherwise requires, all references to a particular paragraph, Section or Schedule shall be a reference to that paragraph, Section, or Schedule in or to this **Document**, and all references to a particular paragraph or Appendix shall be a reference to that paragraph or Appendix in or to a **Fast Reserve Contract**;
- (b) a table of contents and headings are inserted for convenience only and shall be ignored in construing this **Document**, the **Framework Agreement** and each **Fast Reserve Contract**;
- (c) references to the words “include” or “including” are to be construed without limitation to the generality of the preceding words;
- (d) unless the context otherwise requires any reference to an Act of Parliament or any part or section or other provision of or schedule to an Act of Parliament shall be construed, at the particular time, as including a reference to any modification, extension or re-enactment thereof then in force and to all instruments, order or regulations then in force and made under or deriving validity from the relevant Act of Parliament; and
- (e) references to the masculine shall include the feminine and references in the singular shall include the plural and vice versa and words denoting persons shall include any individual, partnership, firm, company, corporation, joint venture, trust, association, organisation or other entity, in each case whether or not having separate legal personality.

6.3 DEFINITIONS

The following terms shall have the following meanings:-

"the Act"	means the Electricity Act 1989;
"ABSVD Methodology Statement"	means the document entitled "Applicable Balancing Services Volume Data Methodology Statement" as published by National Grid as the same may be amended from time to time;
"Active Power"	means the product of voltage and the in-phase component of alternating current measured in units of Watts and standard multiples thereof i.e. 1000 Watts = 1kW 1000 kW = 1MW 1000 MW = 1GW 1000 GW = 1TW;
"Adequate Procedures"	shall be determined in accordance with Section 7(2) of the Bribery Act (and any guidance issued under Section 8 of that Act);
"Affected Fast Reserve Provider"	means, with respect to any Detailed Change Proposal , a Fast Reserve Provider which is a party to one or more Affected Fast Reserve Contracts , and which is of the reasonable opinion that:- (1) its ability to provide Fast Reserve and/or comply with such Affected Fast Reserve Contract(s) will be materially prejudiced by the amendments to this Document described in such Detailed Change Proposal ; and/or (2) the net cost to it of providing Fast Reserve and/or complying with such Affected Fast Reserve Contract(s) is materially increased as a result of such amendments;
"Affected Fast Reserve Contract"	means a subsisting Fast Reserve Contract in force at the date that National Grid submits a Detailed Change Proposal and whose term continues beyond the Final Implementation Date specified therein;

“AF Rules”	has the meaning given to “allocation framework” in Section 13(2) of the Energy Act 2013;
“Aggregated BM Unit”	means those BM Units which together comprise an Aggregated BM Unit as specified in the Framework Agreement having a MW Delivery of not less than 25 MW, and “ Aggregated BM Units ” shall be construed accordingly;
"Ancillary Services"	means System Ancillary Services and/or Commercial Ancillary Services , as the case may be;
“Apparatus”	means all equipment in which electrical conductors are used, supported or of which they may form a part;
“Applicable Balancing Service”	has the meaning attributed to it in the Balancing and Settlement Code ;
“Associated Person”	has the meaning ascribed to it in Section 8 of the Bribery Act and shall include but is not limited to any employees, agents and/or subcontractors of the Fast Reserve Provider or National Grid as applicable in relation to the provision of Fast Reserve ;
“Authorised Electricity Operator”	means any person (other than National Grid in its capacity as operator of the National Electricity Transmission System) who is authorised under the Act to generate, transmit, distribute or supply electricity;
“Authority”	means the Gas and Electricity Markets Authority established by Section 1 of the Utilities Act 2000;
“Balancing and Settlement Code (BSC)”	the meaning attributed to it in the Transmission Licence ;
“Balancing Mechanism”	the meaning attributed to it in the Transmission Licence ;
“Balancing Service”	has the meaning given in the Transmission Licence
“Base Rate”	in respect of any day, means the rate per annum which is equal to the base lending rate from time to time of

Barclays Bank plc as at the close of business on the immediately preceding **Business Day**;

“ Base Service Parameters ”	means, for each Fast Reserve Unit which is BM Participating , the values specified in the Framework Agreement for that Fast Reserve Unit in respect of Physical Notifications and Dynamic Parameters , and for each Fast Reserve Unit which is not BM Participating , the operating characteristics specified in the Framework Agreement for that Fast Reserve Unit ;
“ Bid-Offer Acceptance ”	the meaning attributed to it in the Grid Code ;
“ Bid-Offer Data ”	the meaning attributed to it in the BSC ;
“ Bid-Offer Pair ”	the meaning attributed to it in the BSC ;
“ BM Participating ”	means, in respect of a Fast Reserve Unit , that in respect of each Tendered Service Term the subject of a Fast Reserve Contract , it is or will be registered as a BM Unit ;
“ BM Unit ”	the meaning attributed to it in the BSC , except for the purposes of this Document the reference to “a Party” in the BSC shall be a reference to the Fast Reserve Provider ;
“ BM Unit Data ”	the meaning attributed to it in the Grid Code ;
“ Bribery Act ”	means the Bribery Act 2010;
“ Business Day ”	means a week-day other than a Saturday on which banks are open for domestic business in the City of London;
“ Capacity Market Rules ”	means the rules made under Section 34 of the Energy Act 2013 as modified from time to time in accordance with that section and The Electricity Capacity Regulations 2014;
“ Capped Bid-Offer Price ”	means, in respect of a Bid-Offer Pair , the maximum value of an equal Bid Price and Offer Price for each Fast Reserve Unit which is BM Participating (or, in the case of an Aggregated BM Unit , for each

component **BM Unit**) applicable in respect of the **MW Delivery** or **MW Delivery Profile** (as the case may be), which is tendered by the **Fast Reserve Provider** in respect of the **Firm Service** as one of the **Contract Prices**;

“Change in Law”

means the coming into effect of :-

- (1) a **Legal Requirement**; or
- (2) any applicable judgement of a relevant court of law which materially changes a binding precedent;

“Commencement Date”

means (where the context permits) the date specified either in a **Firm Fast Reserve Tender** or in National Grid’s acceptance of that **Firm Fast Reserve Tender** from which a **Fast Reserve Contract** for the **Firm Service** shall come into effect;

“Commercial Ancillary Services”

means **Ancillary Services** other than **System Ancillary Services**;

“Competent Authority”

means the Gas and Electricity Markets Authority or any local, national or supra-national agency, authority, department, inspectorate, minister, official, court, tribunal or public or statutory person (whether autonomous or not) of the United Kingdom (or the government thereof) or the member states of the European Union which have jurisdiction over **National Grid** or the subject matter of this **Document**;

“Connection Agreement”

means any agreement in respect of the connection (including the maintenance and modification of that connection) of **Plant** and **Apparatus** to a **Distribution System**;

“Connection and Use of System Code (CUSC)”

means the Connection and Use of System Code designated by the **Secretary of State** as from time to time modified;

“Consumption BM Unit”

the meaning attributed to it in the **BSC**;

“Contract Prices”

means (as the case may be):-

- (1) any or all of the **Firm Availability Fee** and the **Positional Fee**;
- (2) in respect of a **Fast Reserve Unit** which is **BM Participating**, the **Capped Bid-Offer Price**;
- (3) in respect of a **Fast Reserve Unit** which is not **BM Participating**, the **Firm Energy Fee**;

“Contracted Load Groups”

means those load groups which together comprise a **Fast Reserve Unit** which is not **BM Participating** being a number of distinct groups of **Demand** under the individual control of the **Fast Reserve Provider**;

“Contracted MW”

in respect of a **Type 1 Site** only, means the maximum respective change in the level of energy production or consumption in MW for such **Type 1 Site** which the **Fast Reserve Provider** may be instructed by **National Grid** to provide from the **Type 1 Site** when delivering **Fast Reserve** more particularly specified in the **Framework Agreement** (as the same may be revised from time to time in respect of the **Firm Service** in accordance with sub-paragraph 2.4.1(h));

“Contracted MW Profile”

in respect of a **Type 2 Site** only, means a profile of energy production or consumption in MW for such **Type 2 Site** against which **Fast Reserve** will be delivered which is described by reference to **Contracted Settlement Periods**, a maximum and minimum MW level and a profile shape, as more particularly specified in the **Framework Agreement** (as the same may be revised from time to time in respect of the **Firm Service** in accordance with sub-paragraph 2.4.1(h));

“Contracted Service Periods”

means, in respect of a **Firm Fast Reserve Contract**, the aggregate duration of all **Settlement Periods** in each tendered **Service Window** in each **EFA Day** throughout the **Tendered Service Term**;

“Contracted Service Term”

means the duration of a **Fast Reserve Contract** being the applicable **Tendered Service Term**;

“Contracted Settlement Periods”	means those consecutive Settlement Periods occurring over the duration of a Contracted MW Profile as more particularly specified in the Framework Agreement ;
“CUSC Framework Agreement”	the meaning attributed to it in the Transmission Licence ;
“Customer”	means a person to whom electrical power is provided (whether or not he is the same person as the person who provides the electrical power);
“Day”	means a calendar day;
“Defaulting Party”	the meaning attributed to it in sub-paragraph 5.3.6;
"Demand"	the demand of MW and Mvar of Electricity ;
“Demand Response Active Power Control”	the meaning attributed to it in the Grid Code ;
“Demand Response Services Code”	the meaning attributed to it in the Grid Code ;
“Detailed Change Proposal”	means a proposal prepared by National Grid for the purposes of sub-paragraph 5.2.6;
“Directive”	means any present or future directive, request, requirement, instruction, code of practice, direction or rule of any Competent Authority and any modification, extension or replacement thereof;
"Distribution Code(s)"	means the Distribution Code(s) drawn up by Public Distribution System Operators pursuant to the terms of their respective Licence(s) as from time to time revised in accordance with those Licences ;
“Distribution System”	means the system consisting (wholly or mainly) of electric lines owned or operated by any Authorised Electricity Operator and used for the distribution of electricity from Grid Supply Points or generation sets or other entry points to the point of delivery to Customers or Authorised Electricity Operators , and includes any Remote Transmission Assets operated by such Authorised Electricity Operator and any

electrical plant and meters owned or operated by the **Authorised Electricity Operator** in connection with the distribution of electricity, but shall not include any part of the **National Electricity Transmission System**;

“Document” means this issue of the **Fast Reserve Tender Rules** and **Standard Contract Terms** as varied and/or reissued from time to time in accordance with paragraph 5.2;

“DRSC Liable User” means any **Fast Reserve Provider** party to a **Fast Reserve Contract** which pursuant to the **Grid Code** renders it a **Demand Response Provider** by virtue of the relevant **Fast Reserve Unit** comprising a source of controllable **Demand**;

“Dynamic Parameters” the meaning attributed to it in the **Grid Code**;

“EDL” means the electronic despatch logging mechanism by which **National Grid** communicates with the **Fast Reserve Provider** and the **Fast Reserve Provider** communicates with **National Grid** in respect of the **Fast Reserve Units** which are **BM Participating** for the purposes of operation of the **Balancing Mechanism** and the utilisation of **Balancing Services**;

“EFA Day” means the period commencing 23.00 hours on any **Day** and ending 23.00 hours on the next following **Day**, so that the start of one **EFA Day** coincides with the end of the previous **EFA Day** (and for the purposes of this **Document** a **Day** shall be deemed to precede an **EFA Day** when it is the **Day** on which the **EFA Day** starts, and shall be deemed to correspond to the **EFA Day** when it is the **Day** on which the **EFA Day** ends);

“Electricity Supply Industry Arbitration Association” the meaning attributed to it in the **Grid Code**;

“Embedded” the meaning attributed to it in the **Grid Code**;

“EMR Document” means The Energy Act 2013, The Electricity Capacity Regulations 2014, the Capacity Market Rules, The Contracts for Difference (Allocation) Regulations 2014, The Contracts for Difference (Definition of

Eligible Generator) Regulations 2014, The Contracts for Difference (Electricity Supplier Obligations) Regulations 2014, The Electricity Market Reform (General) Regulations 2014, the AF Rules and any other regulations or instruments made under Chapter 2 (contracts for difference), Chapter 3 (capacity market) or Chapter 4 (investment contracts) of Part 2 of the Energy Act 2013 which are in force from time to time;

“EMR Functions”	has the meaning given to “EMR functions” in Chapter 5 of Part 2 of the Energy Act 2013;
“Energy Metering Equipment”	the meaning attributed to the phrase “Metering Equipment” in the Balancing and Settlement Code ;
“Enhanced Rate”	in respect of any day, means the rate per annum which is 4% above the base lending rate from time to time of Barclays Bank plc as at the close of business on the immediately preceding Business Day ;
“Enhanced Rates”	has the meaning given in sub-paragraph 3.4.1(a);
“Enhanced Rates Availability Fee”	means the fee in respect of each Fast Reserve Unit which is BM Participating specified in a Framework Agreement as revised from time to time pursuant to sub-paragraph 3.4.9;
“Expert”	means an independent expert appointed for the purposes of Expert Determination ;
“Expert Determination”	means the process specified in sub-paragraph 5.11.3;
“Expiry Date”	means the date from which the Fast Reserve Contract shall cease to have effect;
“Fast Reserve”	means a rapid and flexible energy service capable of being delivered and reversed, to start within 2 minutes of an instruction to do so, at rates in excess of 25 MW per minute, which may be provided to National Grid as either Firm Fast Reserve or Optional Fast Reserve ;
“Fast Reserve Contract”	each contract made between National Grid and the Fast Reserve Provider for the provision of Fast

Reserve upon and subject to the terms of this **Document** and the **Framework Agreement**;

“Fast Reserve Pre-Qualification Assessment”	means the test or sequence of tests referred to in Section 4 for the purposes of ensuring the Generating Unit and/or Plant or Apparatus complies with the mandatory requirements in respect of Fast Reserve as specified in sub-paragraph 3.2;
“Fast Reserve Provider”	means each person (other than National Grid) for the time being and from time to time a party to a Framework Agreement and any successor(s) in title to, or permitted assign(s) of, such person;
“Fast Reserve Provider’s Agent”	means the person (if any) specified as such in the Framework Agreement ;
“Fast Reserve Seasons”	means the two six-monthly periods April to September inclusive and October to March inclusive or as may otherwise be specified by National Grid in the Firm Fast Reserve Tender Procedure ;
“Fast Reserve Unit”	means a Generating Unit or other Plant and/or Apparatus that is, at the relevant time, subject to a subsisting Framework Agreement ;
“Final Implementation Date”	means the Proposed Implementation Date or, in the case of a Detailed Change Proposal required as a result of a Proposed Legal Requirement , the date that the relevant Change in Law is currently expected by National Grid to come into effect;
“Firm Availability Fee”	means the fee described as such forming one of the Contract Prices ;
“Firm Availability Payment”	has the meaning given in sub-paragraph 3.3.13(a);
“Firm Energy Payment”	has the meaning given in sub-paragraph 3.3.15;
“Firm Fast Reserve”	means:- (a) in the case of a Fast Reserve Unit which is BM Participating , the delivery from that Fast Reserve Unit during the Firm Fast Reserve

Windows of a specified amount of MW (being not greater than the **MW Delivery**) or the following of a profile (comprising all or part of the **MW Delivery Profile**); and

(b) in the case of a **Fast Reserve Unit** which is not **BM Participating**, the reduction in **Demand** and/or the increase in **Generation** from the **Contracted Fast Reserve Unit** while operating in accordance with the **Tendered Service Parameters** resulting in a reduction in the net import of **Active Power** to the **Premises** from the **National Electricity Transmission System** or an increase in the net export of **Active Power** from the **Premises** to the **National Electricity Transmission System** either:-

(i) (in respect of a **Type 1 Site**) of a specified amount of MW (being not greater than the **Contracted MW**); or

(ii) (in respect of a **Type 2 Site**) in accordance with a profile (comprising all or part of the **Contracted MW Profile**),

as notified by **National Grid** in a **Firm Instruction** issued in accordance with sub-paragraph 3.3.9, which amount of MW is provided or profile is followed (as the case may be) during the **Firm Fast Reserve Windows** in the manner more particularly described in paragraph 3.3;

“Firm Energy Fee”

means the fee described as such forming one of the **Contract Prices**;

“Firm Fast Reserve Tender”

means a tender submitted by the **Fast Reserve Provider** to **National Grid** for the provision of **Firm Fast Reserve** in the form set out in the **Firm Fast Reserve Tender Procedure**, being either a **Month Ahead Tender** or a **Long Term Tender**;

“Firm Fast Reserve Windows”

has the meaning given in sub-paragraph 3.3.1;

“ Firm Fast Reserve Tender Procedure ”	means the procedure established from time to time by National Grid and published on its Industry Information Website for the procurement of Fast Reserve Contracts ;
“ Firm Fast Reserve Unit ”	means a Fast Reserve Unit the subject of an accepted Firm Fast Reserve Tender ;
“ Firm Instruction ”	has the meaning given in sub-paragraph 3.3.10(a);
“ Firm Service ”	means Fast Reserve delivered as Firm Fast Reserve so as to contribute towards National Grid ’s requirement for Fast Reserve , involving (1) in the case of Fast Reserve Units which are BM Participating , the provision of, and payment for, specified Physical Notifications and Bid-Offer Pairs with capped Bid-Offer Prices , together with enhanced Dynamic Parameters , or (2) in the case of Fast Reserve Units which are not BM Participating , the provision or following of, and payment for, a specified amount or profile (as the case may be) of energy in conjunction with specified operating characteristics, and a predetermined fee for energy production or consumption;
“ Firm Service Declaration ”	has the meaning given in sub-paragraph 3.3.5(a);
“ Firm Service Fee ”	means, for any EFA Day , the fees payable by National Grid to the Fast Reserve Provider in respect of the Firm Service , comprising the Firm Availability Fee and the Positional Fee ;
“ Force Majeure ”	means, in relation to either Party , any event or circumstance which is beyond the reasonable control of such Party (not being, without limitation an event or circumstance caused by the negligence or lack of care and attention of that Party or its officers or employees) but subject thereto including act of God, strike lockout or other industrial disturbance, act of the public enemy, war declared or undeclared, threat of war, terrorist act, blockade, revolution, riot, insurrection, civil commotion, public demonstration, sabotage, act of

vandalism, lightning, fire, storm, flood, earthquake, accumulation of snow or ice, lack of water arising from weather or environmental problems, explosion, governmental restraint, Act of Parliament, other legislation, bye law and Directive (not being any order, regulation or direction under Section 32, 33, 34 and 35 of the Act);

“Framework Agreement”

means the agreement to which **National Grid** and the **Fast Reserve Provider** are each a party as further described in paragraph 1.3;

“Frequency”

means the number of alternating current cycles per second (expressed in Hertz) at which a **System** is running;

“Fuel Security Code”

means the document of that title designated as such by the **Secretary of State** as from time to time amended;

“Gate Closure”

means, in relation to a **Settlement Period**, the spot time one hour before the spot time at the start of that **Settlement Period**, or otherwise as may be defined from time to time in the **BSC**;

“Gate Closure Period”

means the period between **Gate Closure** and the spot time at the start of the associated **Settlement Period**;

“Generating Unit”

unless otherwise provided in any **Fast Reserve Contract**, means any **Apparatus** which produces electricity including for the avoidance of doubt a **CCGT Unit**;

“Generation”

means the electrical output (in MW) of a **Generating Unit**;

“Great Britain”

the meaning attributed to it in Schedule 1 of the **Transmission Licence**;

“Grid Code”

means the **Grid Code** drawn up pursuant to the **Transmission Licence** as from time to time revised in accordance with the **Transmission Licence** (and references in this **Document**, the **Framework Agreement** or any **Fast Reserve Contract** to any

specific provision or part of the **Grid Code** shall be construed as references to such provision or part as from time to time amended);

“Grid Code BC”	means the Balancing Codes of the Grid Code ;
“Grid Code CC”	means the Connection Conditions of the Grid Code ;
“Grid Code OC”	means the Operating Codes of the Grid Code ;
“Grid Supply Point”	means a point of supply from the National Electricity Transmission System to a Distribution System or a Non-Embedded Customer ;
“Industry Information Website”	means the site established by National Grid on the World-Wide Web for the publication of information for the use of Fast Reserve Providers and other interested persons in accordance with such restrictions on access as may be determined from time to time by National Grid ;
“ITT Pack”	means the pack of documents entitled “ Fast Reserve - Invitation to Tender ” issued from time to time by National Grid ;
“Lead Aggregation Site”	means, where a Fast Reserve Unit which is not BM Participating is comprised of a collection of Plant and Apparatus at different locations, one of such locations specified by the Fast Reserve Provider pursuant to sub-paragraph 2.4.1;
“Lead Party”	the meaning attributed to it in the BSC ;
“Legal Requirement”	means any Act of Parliament, regulation, licence or Directive of a Competent Authority ;
“Licence”	means any one or more as appropriate of the Licences granted pursuant to Section 6 of the Act ;
“Long Term Tender”	means a Firm Fast Reserve Tender which is not a Month Ahead Tender ;
“Mandatory Works Provisions”	means, with respect to all and any works required to be carried out to a Generating Unit and/or any other item

of **Plant** and **Apparatus** to enable the same to provide **Fast Reserve**, any or all of the following provisions relating to such works as may be required by **National Grid** (at its sole discretion) to be included in a **Framework Agreement**:

- (1) a complete description of the programme of such works;
- (2) a suitable milestone schedule for the carrying out, completion and commissioning of such works, to commence upon formation of any **Fast Reserve Contract** and to complete no later than the **Commencement Date**; and
- (3) provisions for the conduct of testing (or sequence of testing) and independent witness testing thereof to validate such commissioning, including a technical specification for such testing (or sequence of testing) to enable validation of the **Technical Parameters**;

“Maximum Utilisation Period”

means, in relation to any **Instruction**, the period set out in the **Framework Agreement**, beginning on commencement of provision of **Optional Fast Reserve**;

“Minimum Availability Period”

means the period (if any) specified as such in the **Framework Agreement**;

“Minimum Run-Down Rate”

in respect of a **Fast Reserve Unit** which is not **BM Participating**, the minimum rate of increase in the import of **Active Power** to the **Premises** from the **National Electricity Transmission System** or the decrease in the export of **Active Power** from the **Premises** to the **National Electricity Transmission System** (as the case may be) expressed in MW/minute and set out in the **Framework Agreement**;

“Month Ahead Tender”

means a **Firm Fast Reserve Tender** which specifies a **Tendered Service Term** comprising the next following calendar month (being the **Service Requirement Month**);

“Monthly Delivery Reconciliation Payment”	has the meaning attributed to it in sub-paragraph 3.3.16;
“Minimum Run-Up Rate”	in respect of a Fast Reserve Unit which is not BM Participating , the minimum rate of decrease in the import of Active Power to the Premises from the National Electricity Transmission System or the increase in the export of Active Power from the Premises to the National Electricity Transmission System (as the case may be) expressed in MW/minute and set out in the Framework Agreement ;
“Monthly Statement”	the meaning attributed to it in sub-paragraph 5.3.1;
“MW Delivery”	means the maximum amount of MW deliverable as Firm Fast Reserve for a Fast Reserve Units which are BM Participating described as such forming part of the Tendered Service Parameters ;
“MW Delivery Profile”	means a profile of energy production and/or consumption in MW for a Fast Reserve Units which are BM Participating against which Fast Reserve will be delivered which is described by reference to a start time and end time, a maximum and minimum Physical Notification and a profile shape and forming part of the Tendered Service Parameters ;
“MW Net Export Range”	means the range of MW from which National Grid may instruct either the required amount of MW by which or the required profile of MW in accordance with which (as the case may be) the Fast Reserve Provider shall increase (by means of a reduction in Demand and/or an increase in Generation) the net export of Active Power from the Premises to the National Electricity Transmission System pursuant to an Optional Service Instruction issued in accordance with sub-paragraph 3.4.3;
“National Electricity Transmission System”	has the meaning attributed to it in the CUSC;

“ National Grid ”	means National Grid Electricity Transmission plc, a company registered with number 2366977 and whose registered office is situated at 1-3 Strand, London, WC2N 5EH, which expression shall include its permitted successors and/or assigns;
“ Non-Embedded Customer ”	means a Customer , except for a Public Distribution System Operator , receiving electricity directly from the National Electricity Transmission System irrespective of from whom it is supplied;
“ Operational Metering Equipment ”	means meters, instrument transformers (both voltage and current), transducers metering protection equipment including alarms circuitry and their associated outstations as may be necessary for the purposes of the Grid Code CC6.5.6 and the corresponding provision of the relevant Distribution Code ;
“ Optional Availability Fee ”	means the payment rate described as such set out in the Framework Agreement as revised from time to time pursuant to sub-paragraph 3.4.9;
“ Optional Availability Payment ”	has the meaning given in sub-paragraph 3.4.8(a);
“ Optional Energy Fee ”	means the payment rate described as such set out in the Framework Agreement as revised from time to time pursuant to sub-paragraph 3.4.9;
“ Optional Energy Payment ”	has the meaning given in sub-paragraph 3.4.8(b);
“ Optional Fast Reserve ”	means Fast Reserve delivered during periods of availability of the Optional Service as more particularly described in paragraph 3.4, which in the case of a Fast Reserve Unit which is not BM Participating shall mean a reduction in Demand and/or increase in Generation from the Fast Reserve Unit while operating in accordance with the Base Service Parameters resulting in an increase in the net export of Active Power from the Premises to the National Electricity Transmission System of the amount or in accordance with the profile (as the case

may be) of MW notified by **National Grid** in an **Instruction** issued in accordance with sub-paragraph 3.4.3 being within the **MW Net Export Range** provided during periods of availability of the **Optional Service** in the manner more particularly described in paragraph 3.4;

“Optional Service”

means **Fast Reserve** delivered as **Optional Fast Reserve** so as to contribute towards **National Grid**'s requirement for **Fast Reserve**, involving the provision of, and payment for, enhanced **Dynamic Parameters** or specified operating characteristics;

“Optional Service Declaration”

means the **Fast Reserve Provider**'s response to a request from **National Grid** to make available the **Optional Service**, issuing an indication either:

- (a) where the **Fast Reserve Unit** is **BM Participating**, whether or not the **Fast Reserve Provider** is able to make available the **Enhanced Rates** in accordance with a request pursuant to sub-paragraph 3.4.1(a); or
- (b) where the **Fast Reserve Unit** is not **BM Participating**, whether or not the **Fast Reserve Provider** is able to make available the **Optional Service** in accordance with a request pursuant to sub-paragraph 3.4.2(a);

“Optional Service Instruction”

has the meaning given in sub-paragraph 3.4.3;

“Output Usable”

the meaning attributed to it in the **Grid Code**;

“Part 1 System Ancillary Services”

the meaning attributed to it in the **Grid Code**;

“Part 2 System Ancillary Services”

the meaning attributed to it in the **Grid Code**;

"Party"

means each person for the time being and from time to time a party to the **Framework Agreement**, and any successor(s) in title to, or permitted assign(s) of, such person;

“Party Liable”

the meaning attributed to it in sub-paragraph 5.4;

“Physical Notification”	the meaning attributed to it in the Grid Code ;
"Plant"	means fixed and movable items used in the generation and/or supply and/or transmission and/or distribution of electricity other than Apparatus ;
“Positional Fee”	means the fee described as such forming one of the Contract Prices ;
“Positional Payment”	has the meaning given in sub-paragraph 3.3.13(b);
“Premises”	the physical location of a Fast Reserve Unit which is not BM Participating , which may include (inter alia) a single site, a group of sites or a geographical area defined by reference to Contracted Load Groups , details of which are given in the Framework Agreement ;
“Production BM Unit”	the meaning attributed to it in the BSC ;
“Proceedings”	the meaning attributed to it in sub-paragraph 5.12.1;
“Proposed Implementation Date”	<p>means the date from which National Grid proposes that amendments to this Document described in an Outline Change Proposal are to become effective, being either:-</p> <ol style="list-style-type: none"> (1) the date specified in such Outline Change Proposal being a date that is not less than 6 calendar months (or such other period as may be agreed between National Grid and the Fast Reserve Providers) after the date that such Outline Change Proposal is submitted by National Grid; or (2) in the case of an Outline Change Proposal required as a result of a Proposed Legal Requirement or a Change in Law, the date that the relevant Change in Law is currently expected by National Grid to come into effect;
“Proposed Legal Requirement”	means a Legal Requirement that has been proposed by a Competent Authority , including without limitation by means of a consultation, white paper,

green paper or parliamentary bill, but which has not yet come into effect as a **Change in Law**;

“Public Distribution System Operator”

the meaning attributed to it in the **CUSC**;

“Qualifying Change in Law”

means a **Change in Law** which principally affects or principally relates to **National Grid** in its capacity as operator of the **National Electricity Transmission System** and/or the procurement of **Fast Reserve** or **Balancing Services** generally;

“Recovery Period”

means, in respect of a **Fast Reserve Unit**, the period set out in the **Framework Agreement**, beginning at the time when the **Fast Reserve Unit** ceases provision of **Optional Fast Reserve**;

“Relevant Requirements”

means all applicable laws, statutes, regulations, and codes relating to anti-bribery and anti-corruption including but not limited to the **Bribery Act**;

“Remote Transmission Assets”

means any **Plant** and **Apparatus** or meters owned by **National Grid** which (a) are embedded in a **Distribution System** or a **User System** and which are not directly connected by **Plant** and/or **Apparatus** owned by **National Grid** to a sub-station owned by **National Grid** and (b) are by agreement between **National Grid** and such **Public Distribution System Operator** or **User** under the direction and control of such **Public Distribution System Operator** or **User**;

“Reproving Test”

means any or all of the tests comprised within a **Fast Reserve Pre-Qualification Assessment** as may be specified by **National Grid**;

“Response Time”

means either (1) for a **Fast Reserve Unit** which is **BM Participating**, the period of time required to submit the necessary **Dynamic Parameters** in accordance with sub-paragraphs 3.3.4(a) and 3.4.1(d)(i) specified in the **Framework Agreement**, commencing on the time of issue by **National Grid** of a request pursuant to sub-paragraph 3.3.9, or (2) for a **Fast Reserve Unit** which is not **BM Participating**, in relation to any **Instruction**

	or Firm Instruction , the period set out in the Framework Agreement , commencing on the time of issue of that Instruction or Firm Instruction ;
“Retired Fast Reserve Unit”	has the meaning given in sub-paragraph 3.3.24;
“Secretary of State”	the meaning attributed to it in the Act ;
“Service Requirement Month”	has the meaning given in sub-paragraph 2.3.1;
“Service Window”	means a period during each EFA Day described as such and specified in the relevant Firm Fast Reserve Tender Procedure ;
“Service Withdrawal Notification”	has the meaning given in sub-paragraph 3.3.7;
“Settlement Period”	means a period of 30 minutes ending on the hour or half hour in each hour during an EFA Day ;
“Shortfall Notification”	has the meaning given in sub-paragraph 3.3.5(e);
“Special Conditions”	means such special conditions as may from time to time be described as such and specified in a Framework Agreement for the purposes of sub-paragraphs 1.3, 2.8.6, 5.2.13 and 5.2.21;
“Standard Contract Terms”	means the document entitled “ Fast Reserve Standard Contract Terms ” published by National Grid and as revised from time to time in accordance with its terms;
“System”	means any User System or the National Electricity Transmission System as the case may be;
“System Ancillary Services”	means Part 1 System Ancillary Services and Part 2 System Ancillary Services ;
“Tender Assessment Principles”	means the principles from time to time published by National Grid for the purposes of this Document ;
“Tender Month”	means the calendar month in which a Firm Fast Reserve Tender may be submitted as defined in sub-paragraph 2.3.2;

“Tender Round”	means a procurement event for Firm Fast Reserve Contracts in accordance with the Firm Fast Reserve Tender Procedure ;
“Tendered Service Term”	means any of the periods of successive calendar months (including a single calendar month) specified or referred to in sub-paragraph 2.4.5;
“Tendered Service Parameters”	means the data tendered by the Fast Reserve Provider as specified in sub-paragraph 2.4.1;
“Transmission Licence”	means the licence granted to National Grid under Section 6(1)(b) of the Act ;
“Type 1 Site”	means a Fast Reserve Unit which is not BM Participating which (where denoted as a “Type 1 Contracted Site” in the Framework Agreement) is obliged to provide a specified amount of MW (of an amount not greater than the Contracted MW) when instructed by National Grid to provide Fast Reserve ;
“Type 2 Site”	means a Fast Reserve Unit which is not BM Participating which (where denoted as a “Type 2 Contracted Site” in the Framework Agreement) is obliged to follow a specified profile of MW (of all or part of the Contracted MW Profile) when instructed by National Grid to provide Fast Reserve ;
"Undertaking"	means the Undertaking of Bona Fide Tender and Non-Canvassing contained in the Framework Agreement ;
“User”	means a person who is party to the CUSC Framework Agreement other than National Grid ;
“User System”	means any System owned or operated by a User comprising:- <ul style="list-style-type: none"> (a) Generating Units; and/or (b) Distribution Systems (and/or other systems consisting (wholly or mainly) of electric lines which are owned or operated by a person other than a Public Distribution System Operator);

and **Plant** and/or **Apparatus** connecting:

- (c) **Generating Units** and/or **Distribution Systems** (and/or other systems consisting (wholly or mainly) of electric lines which are owned or operated by a person other than a **Public Distribution System Operator**); or
- (d) **Non-Embedded Customers**;

to the **National Electricity Transmission System** or to the relevant other **User System**, as the case may be, including any **Remote Transmission Assets** operated by such **User** or other person and any **Plant** and/or **Apparatus** and meters owned or operated by the **User** or other person in connection with the distribution of electricity but does not include any part of the **National Electricity Transmission System**;

“Utilisation Restrictions”

means the restrictions described as such forming part of the **Tendered Service Parameters** referred to in sub-paragraph 2.4.1 **Error! Reference source not found.**(i);

“Value Added Tax”

means Value Added Tax as defined by the Value Added Tax Act 1994 and any modification or re-enactment thereof and any new tax of a similar nature;

“Web Services”

means the web-based platform hosted by **National Grid** from time to time by which **National Grid** communicates with the **Fast Reserve Provider** and the **Fast Reserve Provider** communicates with **National Grid** in respect of **Fast Reserve Units** which are not **BM Participating** for the purposes of utilisation of **Balancing Services**.

SECTION 7

FORMULAE

Part A

Firm Energy Payment Formula

Where the **Firm Fast Reserve Unit** which is not **BM Participating** comprises a **Type 1 Site** the **Firm Energy Payment** (FUP_M) shall be determined as follows:-

$$FUP_M = \sum_{n \in M} (FR_m \times V_n)$$

Where:

$\sum_{n \in M}$ = the summation of all utilisations, n, in calendar month M

FR_m = the **FirmEnergy Fee** in respect of calendar month, m

V_n = the total volume in MWh for utilisation, n, from all **Contracted Load Groups** determined as follows

$$V_n = \min \left[\left(\left(\frac{Z}{60} \right) * [(Y - X - R) - 0.5 * (a + b)] \right), QM_n \right]$$

Where:

X = time the **Firm Instruction** is issued in accordance with sub-paragraph 3.3.10(a)

Y = the earlier of the following relevant times: (i) the time specified in an instruction to cease provision issued in accordance with sub-paragraph 3.3.10(a); and (ii) expiry of the **Firm Fast Reserve Window**

Z = **Contracted MW** for the **Firm Service**

a = Z/i

b = Z/j

i = **Minimum Run-Up Rate** (MW/min)

j = **Minimum Run-Down Rate** (MW/min)

R = **Response Time**

QM_n = metered delivery in MWh for utilisation, n

(ii) Where the **Firm Fast Reserve Unit** which is not **BM Participating** comprises a **Type 2 Site** the **FirmEnergy Payment** (FUP_M) shall be determined as follows:-

$$FUP_M = \sum_{n \in M} (FR_m \times V_n)$$

Where:

$\sum_{n \in M}$ = the summation of all utilisations, n, in calendar month M

FR_m = the **Firm Energy Fee** in respect of calendar month, m

V_n = the total volume in MWh for utilisation, n, from all **Contracted Load Groups** determined as follows:-

$$V_n = \sum_g \min(MWh_{gn}, QM_n)$$

Where:

\sum_g = the summation of all **Contracted Load Groups**, g

g = the **Contracted Load Group**

QM_n = metered delivery in MWh for utilisation, n

MWh_{gn} = the total volume in MWh from **Contracted Load Group** g for utilisation, n, determined as follows:-

$$MWh_{gn} = \sum_{k \in n} MW_{gk} \times [\min(end_{gi}, end_{gk}) - \max(start_{gi}, start_{gk})]$$

Where:

$start_{gk}$ = the date and time from which MW level, k, is declared available from **Contracted Load Group**, g

end_{gk} = the date and time at which MW level, k, ceases to be available from **Contracted Load Group**, g

MW_{gk} = the MW level, k, declared available from **Contracted Load Group**, g, bounded by $start_{gk}$ and end_{gk}

$start_{gi}$ = the date and start time of a **Firm Instruction** to provide **Firm Fast Reserve** from **Contracted Load Group, g**

end_{gi} = the date and end time of a **Firm Instruction** to provide **Firm Fast Reserve** from **Contracted Load Group, g**, being the earlier of:-

- (i) the end of the relevant **Firm Fast Reserve Window**; and
- (ii) the time specified by **National Grid** in an instruction issued pursuant to subparagraph 3.3.10(a).

$\sum_{k \in n}$ = the summation of all MW levels, k, declared available for utilisation, n, in calendar month M

Part B

Optional Energy Payment Formula

Where the **Fast Reserve Unit** which is not **BM Participating** comprises a **Type 1 Site** the **Optional Energy Payment** (OUP_M) shall be determined as follows:-

$$OUP_M = \sum_{n \in M} (OR \times V_n)$$

Where:

$\sum_{n \in M}$ = the summation of all utilisations, n, in calendar month M

OR = **Optional Energy Fee**

V_n = the total volume in MWh for utilisation, n, from all **Contracted Load Groups** determined as follows:-

$$V_n = \min \left[\left(\left(\frac{Z}{60} \right) * [(Y - X - R) - 0.5 * (a + b)] \right), QM_n \right]$$

Where:

X = time the **Instruction** is issued in accordance with sub-paragraph 3.4.3

Y = the earlier of the following relevant times: (i) the time specified in an instruction to cease provision issued in accordance with sub-paragraph 3.4.3; (ii) the commencement of a **Settlement Period** in respect of which the **Fast Reserve Provider** has notified **National Grid** in accordance with sub-paragraph that **Optional Fast Reserve** is unavailable from the **Contracted Fast Reserve Unit** which is not **BM Participating**; and (iii) expiry of the **Maximum Utilisation Period**

Z = the level of MW notified by **National Grid** in the **Instruction**

a = Z/i

b = Z/j

i = **Minimum Run-Up Rate** (MW/min)

j = **Minimum Run-Down Rate** (MW/min)

R = **Response Time**

QM_n = metered delivery in MWh for utilisation, n

Where the **Fast Reserve Unit** which is not **BM Participating** comprises a **Type 2 Site** the **Optional Energy Payment** (OUP_M) shall be determined as follows:-

$$OUP_M = \sum_{n \in M} (OR \times V_n)$$

Where:

$\sum_{n \in M}$ = the summation of all utilisations, n, in calendar month M

OR = the **Optional Energy Fee**

V_n = the total volume in MWh for utilisation, n, from all **Contracted Load Groups** determined as follows:-

$$V_n = \sum_g \min(MWh_{gn}, QM_n)$$

Where:

\sum_g = the summation of all **Contracted Load Groups**, g

g = the **Contracted Load Group**

QM_n = metered delivery in MWh for utilisation, n

MWh_{gn} = the total volume in MWh from **Contracted Load Group** g for utilisation, n, determined as follows:-

$$MWh_{gn} = \sum_{k \in n} MW_{gk} \times [\min(end_{gi}, end_{gk}) - \max(start_{gi}, start_{gk})]$$

Where:

$start_{gk}$ = the date and time from which MW level, k, is declared available from **Contracted Load Group**, g

end_{gk} = the date and time at which MW level, k, ceases to be available from **Contracted Load Group**, g

MW_{gk} = the MW level, k, declared available from **Contracted Load Group**, g, bounded by $start_{gk}$ and end_{gk}

$start_{gi}$ = the date and start time of an **Instruction** to provide **Optional Fast Reserve** from **Contracted Load Group**

end_{gi} = the date and end time of an **Instruction** to provide **Optional Fast Reserve** from **Contracted Load Group**
the earlier of:-

- (i) the expiry of the **Maximum Utilisation Period**;
- (ii) the commencement of a **Settlement Period** in respect of which the **Fast Reserve Provider** is not the **National Grid** in accordance with sub-paragraph 3.4.2 that **Optional Fast Reserve** is unavailable from the **Fast Reserve Unit** which is not **BM Participating**; and
- (iii) the time specified by **National Grid** in an instruction issued pursuant to sub-paragraph 3.4.2(

$\sum_{k \in n}$ = the summation of all MW levels, k, declared available for utilisation, n

Part C

Monthly Delivery Reconciliation Payment

The payment to be made by the **Fast Reserve Provider** to **National Grid** referred to in sub-paragraph 3.3.16 in respect of calendar month m for **Fast Reserve Unit** s (MDR_{sm}) shall be calculated in accordance with the following formula:-

$$MDR_{sm} = M \times (1 - ADMW_{sm}) \times \sum_{j \in C_m} (AF_{sj} \times 0.5 \times CM_{sj} \times FF_{sj} \times FM_{sj})$$

Where:

$$M = 0, \text{ if } ADMW_{sm} \geq 0.95$$

$$M = 1, \text{ if } ADMW_{sm} < 0.95$$

And where:

$$ADMW_{sm} = \frac{\sum_{j \in C_m} R_{sj}}{CM_{sj} \times \sum_{j \in C_m} T_{sj}}$$

AF_{sj} is the **Firm Availability Fee** in respect of **Fast Reserve Unit** s , applicable in each **Settlement Period** j

CM_{sj} is the **Contracted MW** in respect of **Fast Reserve Unit** s , applicable in each **Settlement Period** j

FF_{sj} is 0 in respect of each **Settlement Period** j , contained in a **Service Window** where **Firm Fast Reserve** is declared or redeclared unavailable or deemed unavailable from **Fast Reserve Unit** s or where Section 3 otherwise provides that, in respect of **Settlement Period** j and **Fast Reserve Unit** s the **Fast Reserve Provider** will not be entitled to receive a **Firm Availability Payment**, otherwise 1

FM_{sj} is 0 in respect of each **Settlement Period** j , contained in a **Service Window** where sub-paragraph 5.14 (**Force Majeure**) applies in respect of **Fast Reserve Unit** s , otherwise 1

R_{sj} is either:-

- (1) during periods where the **Fast Reserve Unit** is ramping (as defined by the **Contracted MW** and the ramping rates specified in paragraph 3.2) the volume of **Fast Reserve energy** (MWh) delivered (being a volume not greater than the **Contracted MW** multiplied by the number of hours comprised in this **Firm Instruction** segment), by either the increase in **Generation** or reduction in **Demand** by **Fast Reserve Unit** s in the **Settlement Period** / part **Settlement Period**

j, in accordance with a **Firm Instruction**, as determined by metering pursuant to paragraph 3.10;
or

- (2) otherwise, the volume of **Fast Reserve** energy (MWh) delivered (being a volume not greater than the **Contracted MW** multiplied by the number of hours comprised in this **Firm Instruction** segment), by either the increase in **Generation** or reduction in **Demand** by **Fast Reserve Unit s** in the **Settlement Period** / part **Settlement Period j**, in accordance with a **Firm Instruction** as determined by metering pursuant to paragraph 3.10.

For the avoidance of doubt the **Firm Instruction** will be segmented and **Fast Reserve** delivery MWh capped at the volume instructed for:-

- (i) each **Settlement Period**; and
- (ii) each sub-**Settlement Period** where the **Fast Reserve Unit** transitions from a contracted ramping to a non ramping period or vice versa, and from delivery of **Firm Fast Reserve** to **Optional Reserve** and vice versa.

$\sum_{j \in C_m}$

is the summation over all **Settlement Periods j**, in the set C_m of **Settlement Periods** in **Service Windows** in **Month m**

T_{sj}

is the period in hours of provision of **Fast Reserve** energy for **Fast Reserve Unit s** following the issue of a **Firm Instruction** during **Settlement Period j** commencing at the time of expiry of the **Response Time** and ending on the earlier of:

- (a) expiry of the **Firm Fast Reserve Window**; and
- (b) the time specified by **National Grid** in an instruction issued pursuant to sub-paragraph 3.3.9 or sub-paragraph 3.3.10(d), as the case may be,

subject always to any **Utilisation Restrictions** which may apply in respect of that **Firm Fast Reserve Unit**

Fast Reserve

Unit s

or s is the relevant **Fast Reserve Unit** (or, as applicable, any substitute **Fast Reserve Unit** pursuant to sub-paragraph 3.3.24).

SECTION 8 FORMS

Part A – BM Participating

Part I
Declaration of Availability of Enhanced Rates

From: *Fast Reserve Provider details*

Fax:

To: **National Grid Control Centre, Wokingham**

Fax:

Date:

EFA Day in question: DD/MM/YY

Start Date: [dd/mm/yyyy] Time: [hh:mm]

End Date: [dd/mm/yyyy] Time: [hh:mm]

We confirm that Enhanced Rates will be [available][unavailable]* in the following Settlement Periods (**delete as appropriate*):

	Settlement Period																			
Contracted Site / Contracted Load Group																				

From: **National Grid Control Centre, Wokingham**

Fax:

.....

To: *Fast Reserve Provider details*

Fax:

Date:

.....

We confirm receipt of your Optional Service Declaration as set out above.

.....

Signed (signature)

by: Name:

For and on behalf of National Grid Electricity Transmission plc

Part B - Non BM Participating

Part I
Declaration of Availability of Optional Fast Reserve

From: *Fast Reserve Provider details*

Fax:

To: National Grid Control Centre, Wokingham

Fax:

Date:

EFA Day in question: DD/MM/YY

Start Date: [dd/mm/yyyy] Time: [hh:mm]

End Date: [dd/mm/yyyy] Time: [hh:mm]

We confirm that Optional Fast Reserve will be [available][unavailable]* in the following Settlement Periods (*delete as appropriate):

	Settlement Period																			
Contracted Site / Contracted Load Group																				

From: National Grid Control Centre, Wokingham

Fax:

To:
Fast Reserve Provider details

Fax:

Date:

We confirm receipt of your Optional Service Declaration as set out above.

Signed (signature)

by: Name:

For and on behalf of National Grid Electricity Transmission plc

Part II
Facsimile Form - Confirmation of Receipt of Instruction to Provide Optional Fast Reserve or
a Firm Instruction to Provide Firm Fast
Reserve

From: *Fast Reserve Provider details* **Fax:**

To: **National Grid Control Centre, Wokingham** **Fax:**

Date:

EFA Day in question: DD/MM/YY

*We confirm receipt of your Instruction to provide Optional Fast Reserve which was received at [] hours.

or

*We confirm receipt of your Firm Instruction to provide Firm Fast Reserve which was received at [] hours.

(* Delete as appropriate)

Signed by: (signature)

Name:

For and on behalf of []

Part III
Facsimile Form - Confirmation of Receipt of Instruction to Cease Provision of Optional or Firm Fast Reserve

From: *Fast Reserve Provider details* **Fax:**

To: **National Grid Control Centre, Wokingham** **Fax:**

Date:

EFA Day in question: DD/MM/YY

*We confirm receipt of your instruction to cease provision of Optional Fast Reserve, which was received at [I hours.

or

*We confirm receipt of your instruction to cease provision of Firm Fast Reserve received at [I hours.

(* Delete as appropriate)

Signed by: (signature)

Name:

For and on behalf of [I

Part IV
Facsimile Form - Notification of Firm Fast Reserve Windows

From: National Grid Control Centre, Wokingham
To: *Fast Reserve Provider details*

Fax:
Fax:

Date:

EFA Day in question: DD/MM/YY

Firm Fast Reserve Windows							
(1) From:	(1) To	(2) From:	(2) To	(3) From:	(3) To	(4) From:	(4) To

Signed by: (signature)

Name:

For and on behalf of [I

.....

To: *Fast Reserve Provider details*
To: National Grid Control Centre, Wokingham

From:
Fax:
Fax:

Date:

We confirm receipt of your notification of Firm Fast Reserve Windows as set out above.

Signed by: (signature)

Name:

For and on behalf of [I

Part V
Declaration of Availability of Firm Fast Reserve

From: *Fast Reserve Provider details*

Fax:

To: National Grid Control Centre, Wokingham

Fax:

.....

Date:

EFA Day in question: DD/MM/YY

Start Date: [dd/mm/yyyy] Time: [hh:mm]

End Date: [dd/mm/yyyy] Time: [hh:mm]

Firm Fast Reserve will be available in the following Settlement Periods in the stated amounts below:

	Settlement Period													
Contracted Site / Contracted Load Group														

.....

From: National Grid Control Centre, Wokingham
To: *Fast Reserve Provider details*

Fax:
Fax:

Date:

We confirm receipt of your Firm Service Declaration as set out above.

Signed by: (signature)

Name:

For and on behalf of National Grid Electricity Transmission plc

.....
.....

Part VI
Shortfall Notification

From: *Fast Reserve Provider details* **Fax:**

To: **National Grid Control Centre, Wokingham** **Fax:**

Date:

EFA Day in question: DD/MM/YY

Time [hh:mm]

Firm Fast Reserve will be curtailed as follows:-

Insert details:-

Eg. The following Contracted Load Group(s) will not be available:- [][]* []* []* []* (* delete as appropriate)*

From: **National**
Grid Control Centre, Wokingham **Fax:**

To: *Fast Reserve Provider details* **Fax:**

Date:

We confirm receipt of your Shortfall Notification as set out above.

Signed by: (signature)
Name:

For and on behalf of National Grid Electricity Transmission plc

Part VII
Withdrawal of Service Availability

From: *Fast Reserve Provider details* **Fax:**
To: **National Grid Control Centre, Wokingham** **Fax:**
.....

Date:

EFA Day in question: DD/MM/YY

Time [hh:mm]

Firm Fast Reserve will not be available for the Firm Fast Reserve Window

From: **National Grid Control Centre, Wokingham** **Fax:**
To: *Fast*
Reserve Provider details **Fax:**
.....
Date:

We confirm receipt of your Service Withdrawal Notification as set out above.

Signed by: (signature)
Name:
For and on behalf of National Grid Electricity Transmission plc