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|  |      |                                                                                                                                                                                                                                          |  | سازمان تامین و توزیع برق                                                                                                                                                                          |    |  |
|  | 15.  | Connection Point: point of connection of a Generating Station or a Consumer to the Distribution Network of a Service Provider.                                                                                                           |  | نقطه اتصال: نقطه اتصال یک ایستگاه تولید یا یک مصرف کننده به شبکه توزیع یک ارائه دهنده خدمات<br>تأمین و توزیع برق                                                                                  | 15 |  |
|  | 16.  | Connection Solution: each of the connection schemes (technical configuration and associated costs) proposed by the Service Provider to serve a new Customer as answer to an application. The Connection Solution shall include at least: |  | راه حل اتصال: هر یک از طرح های اتصال (تکنیکال و هزینه های مرتبط) پیشنهادی ارائه دهنده خدمات<br>تأمین و توزیع برق برای پاسخ به درخواست یک مشتری جدید. راه حل اتصال باید حداقل شامل موارد زیر باشد: | 16 |  |
|  | 16.1 | The proposed geographical and electrical location (single line diagram) of the assets required for the connection;                                                                                                                       |  | 16.1<br>موقعیت جغرافیایی و الکتریکی (نمودار تک خطی) از دارایی های مورد نیاز برای اتصال؛                                                                                                           |    |  |
|  | 16.2 | The technical specifications of the required new assets or the overhauling of the existing assets required for the connection;                                                                                                           |  | 16.2<br>مشخصات فنی از دارایی های جدید مورد نیاز یا تعمیرات دارایی های موجود مورد نیاز برای اتصال؛                                                                                                 |    |  |
|  | 16.3 | A clear differentiation between the Works under the applicant's responsibility and the Works under the Service Provider's responsibility as per this Service Providers Code; and                                                         |  | 16.3<br>تفکیک واضح بین کارهای تحت مسئولیت متقاضی و کارهای تحت مسئولیت ارائه دهنده خدمات<br>تأمین و توزیع برق بر اساس این کد ارائه دهنده خدمات                                                     |    |  |
|  | 16.4 | A clear differentiation between the costs to be covered by the applicant and the costs to be covered by the Service Provider as per this Service Providers Code.                                                                         |  | 16.4<br>تفکیک واضح بین هزینه های قابل پوشش توسط متقاضی و هزینه های قابل پوشش توسط ارائه دهنده خدمات<br>تأمین و توزیع برق بر اساس این کد ارائه دهنده خدمات                                         |    |  |





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|  | 24. | Generating Station: power generator or group of power generators located in a same site and their associated equipment and facilities that are connected to the Distribution Network.                                                                                                                 | <p>رسته‌سازي: گروه از ژنراتورهاي توان يا گروه از ژنراتورهاي توان و وسايل و تجهيزات مرتبط با آنها كه در يك محل قرار دارند و به شبكه توزيع متصل هستند.</p>                                                                                      | 24 |  |
|  | 25. | Generator: agent connected to the Distribution Network of a Service Provider that owns a Generating Station.                                                                                                                                                                                          | <p>ژنراتور: عامل متصل به شبكه توزيع شبكه توزيع ارائه دهنده خدمات كه مالك رسته‌سازي است.</p>                                                                                                                                                   | 25 |  |
|  | 26. | Health & Safety Performance Indicator: index calculated through a pre-defined methodology to capture in a quantitative manner an aspect of the Service Provider's performance in Health & Safety management.                                                                                          | <p>شاخص سلامت و ايمنی: شاخصي كه از طريق روش پيش‌تعريف شده محاسبه مي‌شود تا جنبه‌اي از عملکرد ارائه دهنده خدمات در مديريت سلامت و ايمنی را به صورت كمّي پيمايش كند.</p>                                                                        | 26 |  |
|  | 27. | Health & Safety Policy: document or set of documents that establish the commitments, rules and responsibilities that govern the Service Provider's strategy to manage Health & Safety risks.                                                                                                          | <p>سياسه سلامت و ايمنی: سند يا مجموعه اسنادي كه تعهدات، قوانين و مسؤوليت‌ها را كه بر استراتژي مديريت ريسك سلامت و ايمنی ارائه دهنده خدمات حاكم مي‌شود، تعريف مي‌كند.</p>                                                                      | 27 |  |
|  | 28. | Health & Safety Principles: set of basis established and objectives pursued by the Service Provider with its Health & Safety internal regulation and management to guide its Health & Safety Policy.                                                                                                  | <p>اساسه سلامت و ايمنی: مجموعه مباني و اهدافي كه توسط ارائه دهنده خدمات بر اساس تنظيمات و مديريت سلامت و ايمنی دروني، جهت راهنمايي سياسه سلامت و ايمنی، تعريف شده است.</p>                                                                    | 28 |  |
|  | 29. | Large Consumer: Consumer with Contracted Capacity higher than 500 kW or connected to the MV Distribution Network.                                                                                                                                                                                     | <p>مشرك بزرگ: مشركي كه ظرفيت قراردادي او بزرگتر از 500 كيلووات است يا به شبكه توزيع متوسط (MV) متصل است.</p>                                                                                                                                  | 29 |  |
|  | 30. | Least Cost Technically Acceptable: applied to a Connection Solution, is the Connection Solution that minimizes the overall total cost, regardless of the bearer of the cost, which at the same time is feasible and fully complies with the technical requirements set in the Service Providers Code. | <p>كم‌هزينه‌ترين راه‌حل فني قابل قبول: در مورد راه‌حل اتصال، راه‌حلي است كه كم‌هزينه‌ترين هزينه كلي را داشته باشد، چه بار هزينه‌دهنده باشد و چه نه، كه همزمان قابل اجرا و كاملاً مطابق با الزامات فني مندرج در كد ارائه دهنده خدمات باشد.</p> | 30 |  |

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|  | 31. | License Activities: activities included in a Service Provider License and thus which the Service Provider is authorized to develop by the MEA.                                                                                                                                                                                                                              | ލިޝެންސް ކުރުމަށް ހިއްސާކުރަވާ ފަރާތްތަކުން ދިވެހިރާއްޖޭގެ މީހުންނަށް ބޭނުންކޮށްދޭ ސާވިސް ލައިސަންސްގައި ހިމެނޭ އެއްވެސް ސާވިސްއެއްގެ މައްޗަށް ފޯމު އުފައްދައި، އުފައްދަމުން ދިއުމުގެ ފުރުޞަތު ދޭނެ ވަރަށް ބަލާއިރު | 31 |  |
|  | 32. | License Application Fees: fee paid by the applicant to a Service Provider License required to initiate the application process.                                                                                                                                                                                                                                             | ލިޝެންސް ކުރުމަށް ހިއްސާކުރަވާ ފަރާތްތަކުން ދިވެހިރާއްޖޭގެ މީހުންނަށް ބޭނުންކޮށްދޭ ސާވިސް ލައިސަންސްގައި ހިމެނޭ އެއްވެސް ސާވިސްއެއްގެ މައްޗަށް ފޯމު އުފައްދައި، އުފައްދަމުން ދިއުމުގެ ފުރުޞަތު ދޭނެ ވަރަށް ބަލާއިރު | 32 |  |
|  | 33. | Low Voltage or LV: any voltage lower than 1 kV that is normalized and approved by the MEA for its use in power distribution in the Republic of Maldives.                                                                                                                                                                                                                    | 01 ވ៉ޓް ވަނީ ދިވެހިރާއްޖޭގެ މީހުންނަށް ބޭނުންކޮށްދޭ ސާވިސް ލައިސަންސްގައި ހިމެނޭ އެއްވެސް ސާވިސްއެއްގެ މައްޗަށް ފޯމު އުފައްދައި، އުފައްދަމުން ދިއުމުގެ ފުރުޞަތު ދޭނެ ވަރަށް ބަލާއިރު                                | 33 |  |
|  | 34. | MEA: Maldives Energy Authority. Regulator of the energy sector in the Republic of Maldives.                                                                                                                                                                                                                                                                                 | ދިވެހިރާއްޖޭގެ މީހުންނަށް ބޭނުންކޮށްދޭ ސާވިސް ލައިސަންސްގައި ހިމެނޭ އެއްވެސް ސާވިސްއެއްގެ މައްޗަށް ފޯމު އުފައްދައި، އުފައްދަމުން ދިއުމުގެ ފުރުޞަތު ދޭނެ ވަރަށް ބަލާއިރު                                             | 34 |  |
|  | 35. | MEC: Maximum Export Capacity. Total electric power measured in kW, or multiples thereof, for which a connection is designed to supply power from the Customer's premises to the Distribution Network.                                                                                                                                                                       | ދިވެހިރާއްޖޭގެ މީހުންނަށް ބޭނުންކޮށްދޭ ސާވިސް ލައިސަންސްގައި ހިމެނޭ އެއްވެސް ސާވިސްއެއްގެ މައްޗަށް ފޯމު އުފައްދައި، އުފައްދަމުން ދިއުމުގެ ފުރުޞަތު ދޭނެ ވަރަށް ބަލާއިރު                                             | 35 |  |
|  | 36. | Medium Voltage or MV: any voltage from 1 kV up to 35 kV that is normalized and approved by the MEA for its use in power distribution in the Republic of Maldives.                                                                                                                                                                                                           | 01 ވަން 35 ވަން ދިވެހިރާއްޖޭގެ މީހުންނަށް ބޭނުންކޮށްދޭ ސާވިސް ލައިސަންސްގައި ހިމެނޭ އެއްވެސް ސާވިސްއެއްގެ މައްޗަށް ފޯމު އުފައްދައި، އުފައްދަމުން ދިއުމުގެ ފުރުޞަތު ދޭނެ ވަރަށް ބަލާއިރު                             | 36 |  |
|  | 37. | MIC: Maximum Import Capacity. Total electric loading measured in kW, or multiples thereof, for which a connection is designed to supply power from the Distribution Network to the Customer's premises.                                                                                                                                                                     | ދިވެހިރާއްޖޭގެ މީހުންނަށް ބޭނުންކޮށްދޭ ސާވިސް ލައިސަންސްގައި ހިމެނޭ އެއްވެސް ސާވިސްއެއްގެ މައްޗަށް ފޯމު އުފައްދައި، އުފައްދަމުން ދިއުމުގެ ފުރުޞަތު ދޭނެ ވަރަށް ބަލާއިރު                                             | 37 |  |
|  | 38. | Multiple Consumer: group of consumers that appear as a single applicant to the Operator of the Distribution Network in the process of application for new connection to the Distribution Network but that are in fact several individual consumers that shall appear as different Consumers to the Operator of the Distribution Company after completion of the connection. | ދިވެހިރާއްޖޭގެ މީހުންނަށް ބޭނުންކޮށްދޭ ސާވިސް ލައިސަންސްގައި ހިމެނޭ އެއްވެސް ސާވިސްއެއްގެ މައްޗަށް ފޯމު އުފައްދައި، އުފައްދަމުން ދިއުމުގެ ފުރުޞަތު ދޭނެ ވަރަށް ބަލާއިރު                                             | 38 |  |

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|                                                   | 53.                                                                                       | Works: activities required for the design and implementation of the Connection Solution necessary to connect the Applicant's premises to the Distribution Network. It covers both works to extend the network and works to reinforce the existent network. | <p>دستور کار: فعالیت‌های مورد نیاز برای طراحی و اجرای راه‌حل اتصال لازم برای اتصال تأسیسات متقاضی به شبکه توزیع. این مورد شامل کارهای توسعه شبکه و کارهای تقویت شبکه موجود می‌باشد.</p> | 53 |  |
|                                                   | 54.                                                                                       | Year Y: the current year.                                                                                                                                                                                                                                  | سال جاری                                                                                                                                                                                | 54 |  |
|                                                   | 55.                                                                                       | Year Y+1: the following year.                                                                                                                                                                                                                              | سال بعد از سال جاری                                                                                                                                                                     | 55 |  |
|                                                   | 56.                                                                                       | Year Y+2: the second year after the reference year Y.                                                                                                                                                                                                      | سال دوم بعد از سال مرجع Y                                                                                                                                                               | 56 |  |
|                                                   | 57.                                                                                       | Year Y+3: the third year after the reference year Y.                                                                                                                                                                                                       | سال سوم بعد از سال مرجع Y                                                                                                                                                               | 57 |  |
|                                                   | 58.                                                                                       | Year Y+4: the fourth year after the reference year Y.                                                                                                                                                                                                      | سال چهارم بعد از سال مرجع Y                                                                                                                                                             | 58 |  |
|                                                   | 59.                                                                                       | Year Y+5: the fifth year after the reference year Y.                                                                                                                                                                                                       | سال پنجم بعد از سال مرجع Y                                                                                                                                                              | 59 |  |
| Section 3. International Standards reference list |                                                                                           |                                                                                                                                                                                                                                                            | <p>فهرست استانداردهای بین‌المللی مورد استناد</p>                                                                                                                                        |    |  |
| Article 7. International Standards Reference List |                                                                                           |                                                                                                                                                                                                                                                            | <p>ماده ۷. فهرست استانداردهای بین‌المللی مورد استناد</p>                                                                                                                                |    |  |
|                                                   | The following International Standards are to be referenced when reading this stipulation: |                                                                                                                                                                                                                                                            | <p>در هنگام مطالعه این شرط، استانداردهای بین‌المللی زیر باید مورد استناد قرار گیرد.</p>                                                                                                 |    |  |
|                                                   | 1.                                                                                        | IEC 60255: Electrical Relays.                                                                                                                                                                                                                              | رله‌های الکتریکی                                                                                                                                                                        | 1  |  |
|                                                   | 2.                                                                                        | IEEE 1547-2003: Standard for Interconnecting Distributed Resources with Electric Power Systems.                                                                                                                                                            | استاندارد برای اتصال منابع پخش شده به سیستم‌های انرژی الکتریکی                                                                                                                          | 2  |  |



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| <h1>Chapter II. Requirements for Service Provider License Issuance</h1> |                                                                                                                                             |                           |                                                                                                                                       | <h2>باب 2: راجعہ کنندہ کے لئے ضروریات اور شرائط</h2>                                                                             |                                                                                                                           |  |  |
| <h3>Section 1. Rights and Responsibilities</h3>                         |                                                                                                                                             |                           |                                                                                                                                       | <h3>1. حقوق و ذمہ داریاں</h3>                                                                                                    |                                                                                                                           |  |  |
| <h4>Article 8. Definition of the Service Provider activity</h4>         |                                                                                                                                             |                           |                                                                                                                                       | <h4>مقالہ 8: راجعہ کنندہ کی تعریف</h4>                                                                                           |                                                                                                                           |  |  |
|                                                                         | <p>The role of the Service Provider includes carrying out the License Activities in accordance with any regulation approved by the MEA:</p> |                           |                                                                                                                                       | <p>راجعہ کنندہ کی ذمہ داریاں شامل ہیں کہ وہ لائسنس سرگرمیاں ایسے ہی طریقے سے انجام دے کہ ان کی تصدیق میا کے ذریعہ کی گئی ہو۔</p> |                                                                                                                           |  |  |
|                                                                         | 1                                                                                                                                           | Electricity generation    |                                                                                                                                       | 1                                                                                                                                | <p>1. بجلی کی پیداوار:</p>                                                                                                |  |  |
| :                                                                       |                                                                                                                                             | 1.1                       | Installing or expanding the capacity of Generating Stations for the purposes of generation of electricity in such Generating Station. | 1.1                                                                                                                              | <p>1.1. ایسی بجلی کی پیداوار یا بجلی کی پیداوار کی صلاحیت میں اضافہ کرنا جس کے مقاصد ایسی بجلی کی پیداوار کے لئے ہوں۔</p> |  |  |
|                                                                         |                                                                                                                                             | 1.2                       | Operating and maintaining Generating Stations to inject power into a Distribution Network.                                            | 1.2                                                                                                                              | <p>1.2. ایسی بجلی کی پیداوار یا بجلی کی پیداوار کی صلاحیت میں اضافہ کرنا جس کے مقاصد ایسی بجلی کی پیداوار کے لئے ہوں۔</p> |  |  |
|                                                                         | 2                                                                                                                                           | Electricity distribution: |                                                                                                                                       | 2                                                                                                                                | <p>2. بجلی کی تقسیم:</p>                                                                                                  |  |  |
|                                                                         |                                                                                                                                             | 2.1                       | Developing and maintaining any part of a Distribution Network for the purposes of wheeling electric energy.                           | 2.1                                                                                                                              | <p>2.1. ایسی بجلی کی پیداوار یا بجلی کی پیداوار کی صلاحیت میں اضافہ کرنا جس کے مقاصد ایسی بجلی کی پیداوار کے لئے ہوں۔</p> |  |  |
|                                                                         |                                                                                                                                             | 2.2                       | Distributing electricity over a Distribution Network for the purpose of enabling the supply of electricity to any Customer.           | 2.2                                                                                                                              | <p>2.2. ایسی بجلی کی پیداوار یا بجلی کی پیداوار کی صلاحیت میں اضافہ کرنا جس کے مقاصد ایسی بجلی کی پیداوار کے لئے ہوں۔</p> |  |  |







|  |     |                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                      |    |  |
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|  |     | until the written approval by the MEA is granted.                                                                                                                                       | <p>رِسْرِدْ دِي رِسْرِدْ. دِ قِسْر دِي رِسْرِدْ</p> <p>قِسْر دِي رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ</p> <p>رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ</p>                                                                                                                                    |    |  |
|  | 11. | Terms and conditions on which the MEA may amend, suspend, cancel or revoke the Service Provider License.                                                                                | <p>رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ</p> <p>رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ</p> <p>رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ</p> <p>رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ</p>                                                          | 11 |  |
|  | 12. | Terms and conditions on which the Service Provider may request amendments to its Service Provider License.                                                                              | <p>رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ</p> <p>رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ</p> <p>رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ</p> <p>رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ</p>                                                          | 12 |  |
|  | 13. | Terms and conditions on which the Service Provider may terminate its Service Provider License prior to the time scope foreseen in it. This action will require the approval of the MEA. | <p>رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ</p> <p>رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ</p> <p>رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ</p> <p>رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ</p> <p>shouldn't this be ) (request to terminate license</p> | 13 |  |
|  | 14. | Description of the system to remunerate the Service Provider for carrying out its License Activities.                                                                                   | <p>رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ</p> <p>رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ</p> <p>رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ</p> <p>رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ دِي رِسْرِدْ</p>                                                          | 14 |  |

## Section 2. Administrative Process

## Article 11. Application procedure

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|                                                                        |                                                                                                                                        |                                                                                                                                                                                                                                       |                                                                                                     |  |
|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--|
|                                                                        | 3.                                                                                                                                     | The applicant shall pay the License Application Fees set by the MEA as requirement for the initiation of the application processing.                                                                                                  | <p>         3<br/>         ١٠٠.٠٠٠.٠٠٠<br/>         ١٠٠.٠٠٠.٠٠٠<br/>         ١٠٠.٠٠٠.٠٠٠       </p> |  |
|                                                                        | 4.                                                                                                                                     | The MEA shall acknowledge receipt of the application in writing within fifteen (15) Business Days of receipt of the mentioned application.                                                                                            | <p>         4<br/>         ١٥<br/>         ١٥<br/>         ١٥       </p>                            |  |
|                                                                        | 5.                                                                                                                                     | The MEA shall request any further information or clarification required to correctly evaluate the application no later than fifteen (15) Business Days after receipt of the application.                                              | <p>         5<br/>         ١٥<br/>         ١٥<br/>         ١٥       </p>                            |  |
|                                                                        | 6.                                                                                                                                     | The MEA may make public the application so that interested parties can give their view on it.                                                                                                                                         | <p>         6<br/>         ١٥<br/>         ١٥<br/>         ١٥       </p>                            |  |
|                                                                        | 7.                                                                                                                                     | The MEA shall pronounce its final decision on the approval or refusal of the application within thirty (30) Business Days after receipt of the application duly completed and fulfilling all requirements of the application process. | <p>         7<br/>         ٣٠<br/>         ٣٠<br/>         ٣٠       </p>                            |  |
| <b>Article 12. Warranties for obtaining a Service Provider License</b> |                                                                                                                                        |                                                                                                                                                                                                                                       | <p>         12: ١٠٠.٠٠٠.٠٠٠<br/>         ١٠٠.٠٠٠.٠٠٠       </p>                                     |  |
|                                                                        | As part of the process to apply for a Service Provider License, the applicant shall present the MEA at least the following warranties: |                                                                                                                                                                                                                                       | <p>         ١٠٠.٠٠٠.٠٠٠<br/>         ١٠٠.٠٠٠.٠٠٠<br/>         ١٠٠.٠٠٠.٠٠٠       </p>                |  |
|                                                                        | 1.                                                                                                                                     | Evidence, as specified by the MEA, that the applicant has sufficient financial capability to carry out the License Activities that it requests to be granted through the Service Provider License.                                    | <p>         1<br/>         ١٠٠.٠٠٠.٠٠٠<br/>         ١٠٠.٠٠٠.٠٠٠<br/>         ١٠٠.٠٠٠.٠٠٠       </p> |  |
|                                                                        | 2.                                                                                                                                     | Evidence, as specified by the MEA, that the applicant has or has access to minimum technical capability and experience to carry out the License Activities that it requests to be granted through the Service Provider License.       | <p>         2<br/>         ١٠٠.٠٠٠.٠٠٠<br/>         ١٠٠.٠٠٠.٠٠٠<br/>         ١٠٠.٠٠٠.٠٠٠       </p> |  |





|    |       |                                                                                                                                                                   |                                                                       |       |  |  |
|----|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-------|--|--|
|    | 4.    | Initial Set of Data                                                                                                                                               | رېسپونډونکي ته ورکړل شوي معلومات:                                     | 4     |  |  |
| 1. |       |                                                                                                                                                                   |                                                                       |       |  |  |
|    | 4.1   | Applicant data:                                                                                                                                                   | ارځيزو مالومات د پلورونکي په اړه:                                     | 4.1   |  |  |
|    | 4.1.1 | Full Name of the applicant, or company's name;                                                                                                                    | ارځيزو مالومات د پلورونکي يا کمپنۍ نوم او نومبر، پته او پلازمېنه:     | 4.1.1 |  |  |
|    | 4.1.2 | Applicant ID / company registration;                                                                                                                              | ارځيزو مالومات د پلورونکي يا کمپنۍ د رجسټرېشن نومبر، پته او پلازمېنه: | 4.1.2 |  |  |
|    | 4.1.3 | Address of the applicant;                                                                                                                                         | ارځيزو مالومات د پلورونکي يا کمپنۍ د پته او پلازمېنه:                 | 4.1.3 |  |  |
|    | 4.1.4 | Contact phone number;                                                                                                                                             | ارځيزو مالومات د پلورونکي يا کمپنۍ د تړلو شمېره:                      | 4.1.4 |  |  |
|    | 4.1.5 | Contact fax number; and                                                                                                                                           | ارځيزو مالومات د پلورونکي يا کمپنۍ د فېکس شمېره، اړوند:               | 4.1.5 |  |  |
|    | 4.1.6 | Contact e-mail address.                                                                                                                                           | ارځيزو مالومات د پلورونکي يا کمپنۍ د تړلو ايميل پته:                  | 4.1.6 |  |  |
|    | 4.2   | Location data:                                                                                                                                                    | مکانيزو مالومات د پلورونکي يا کمپنۍ په اړه:                           | 4.2   |  |  |
|    | 4.2.1 | Address of the premises to be connected to the network;                                                                                                           | پلورونکي يا کمپنۍ د تړلو ايميل پته او پلازمېنه:                       | 4.2.1 |  |  |
|    | 4.2.2 | Connection Point and Voltage level (kV) where the new connection is requested. The proposed Connection Point must be indicated by the GPS Coordinates and either: | ارځيزو مالومات د پلورونکي يا کمپنۍ د تړلو ايميل پته او پلازمېنه:      | 4.2.2 |  |  |
|    | a     | the address and electrical location;                                                                                                                              | ارځيزو مالومات د پلورونکي يا کمپنۍ د تړلو ايميل پته او پلازمېنه:      |       |  |  |
|    | b     | Map of the service area and location of power generating station. ..                                                                                              | رېډيوسون او پلورونکي يا کمپنۍ د تړلو ايميل پته او پلازمېنه:           |       |  |  |









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|  |  |       |                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       |  |  |
|--|--|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--|--|
|  |  | b     | The Generating Station shall install a Breaker Failure System to be capable of disconnecting from the Distribution Network in case the Main Circuit Breaker operation fails. This breaker failure system shall: | <p>ژانرېټېډر سټېشن کې د بېکېر فېلچر سسټم نصب کول چې د ډسټرېبوشن نيټ ورک له تړلېدو سره مخ کېږي.</p> <p>د بېکېر فېلچر سسټم باید د بېکېر فېلچر په صورت کې د ډسټرېبوشن نيټ ورک له تړلېدو سره مخ کېږي.</p> <p>د بېکېر فېلچر سسټم باید د بېکېر فېلچر په صورت کې د ډسټرېبوشن نيټ ورک له تړلېدو سره مخ کېږي.</p> <p>د بېکېر فېلچر سسټم باید د بېکېر فېلچر په صورت کې د ډسټرېبوشن نيټ ورک له تړلېدو سره مخ کېږي.</p> <p>د بېکېر فېلچر سسټم باید د بېکېر فېلچر په صورت کې د ډسټرېبوشن نيټ ورک له تړلېدو سره مخ کېږي.</p> |       |  |  |
|  |  | i     | Trip the protections in the next zone within the Generating Station's premises; and                                                                                                                             | <p>د بېکېر فېلچر سسټم باید د بېکېر فېلچر په صورت کې د ډسټرېبوشن نيټ ورک له تړلېدو سره مخ کېږي.</p> <p>د بېکېر فېلچر سسټم باید د بېکېر فېلچر په صورت کې د ډسټرېبوشن نيټ ورک له تړلېدو سره مخ کېږي.</p> <p>د بېکېر فېلچر سسټم باید د بېکېر فېلچر په صورت کې د ډسټرېبوشن نيټ ورک له تړلېدو سره مخ کېږي.</p>                                                                                                                                                                                                       | i     |  |  |
|  |  | ii    | Shut down the excitation or prime mover of the generating units.                                                                                                                                                | <p>د بېکېر فېلچر سسټم باید د بېکېر فېلچر په صورت کې د ډسټرېبوشن نيټ ورک له تړلېدو سره مخ کېږي.</p> <p>د بېکېر فېلچر سسټم باید د بېکېر فېلچر په صورت کې د ډسټرېبوشن نيټ ورک له تړلېدو سره مخ کېږي.</p> <p>د بېکېر فېلچر سسټم باید د بېکېر فېلچر په صورت کې د ډسټرېبوشن نيټ ورک له تړلېدو سره مخ کېږي.</p>                                                                                                                                                                                                       | ii    |  |  |
|  |  | c     | The disconnecter isolating the Generating Station's premises shall be motorized and operated by a relay other than the one operating the Main Circuit Breaker.                                                  | <p>د بېکېر فېلچر سسټم باید د بېکېر فېلچر په صورت کې د ډسټرېبوشن نيټ ورک له تړلېدو سره مخ کېږي.</p> <p>د بېکېر فېلچر سسټم باید د بېکېر فېلچر په صورت کې د ډسټرېبوشن نيټ ورک له تړلېدو سره مخ کېږي.</p> <p>د بېکېر فېلچر سسټم باید د بېکېر فېلچر په صورت کې د ډسټرېبوشن نيټ ورک له تړلېدو سره مخ کېږي.</p>                                                                                                                                                                                                       |       |  |  |
|  |  | 2.1.4 | Interface Protection                                                                                                                                                                                            | د بېکېر فېلچر سسټم باید د بېکېر فېلچر په صورت کې د ډسټرېبوشن نيټ ورک له تړلېدو سره مخ کېږي.                                                                                                                                                                                                                                                                                                                                                                                                                    | 2.1.4 |  |  |
|  |  | a     | Each generator unit in the premises of the Generating Station shall have interface protection, which shall at least include the following:                                                                      | <p>د بېکېر فېلچر سسټم باید د بېکېر فېلچر په صورت کې د ډسټرېبوشن نيټ ورک له تړلېدو سره مخ کېږي.</p> <p>د بېکېر فېلچر سسټم باید د بېکېر فېلچر په صورت کې د ډسټرېبوشن نيټ ورک له تړلېدو سره مخ کېږي.</p> <p>د بېکېر فېلچر سسټم باید د بېکېر فېلچر په صورت کې د ډسټرېبوشن نيټ ورک له تړلېدو سره مخ کېږي.</p>                                                                                                                                                                                                       |       |  |  |
|  |  | i     | Over-frequency relay                                                                                                                                                                                            | د بېکېر فېلچر سسټم باید د بېکېر فېلچر په صورت کې د ډسټرېبوشن نيټ ورک له تړلېدو سره مخ کېږي.                                                                                                                                                                                                                                                                                                                                                                                                                    | i     |  |  |
|  |  | ii    | Under-frequency relay                                                                                                                                                                                           | د بېکېر فېلچر سسټم باید د بېکېر فېلچر په صورت کې د ډسټرېبوشن نيټ ورک له تړلېدو سره مخ کېږي.                                                                                                                                                                                                                                                                                                                                                                                                                    | ii    |  |  |
|  |  | iii   | Over-voltage relay                                                                                                                                                                                              | د بېکېر فېلچر سسټم باید د بېکېر فېلچر په صورت کې د ډسټرېبوشن نيټ ورک له تړلېدو سره مخ کېږي.                                                                                                                                                                                                                                                                                                                                                                                                                    | iii   |  |  |
|  |  | iv    | Under-voltage relay                                                                                                                                                                                             | د بېکېر فېلچر سسټم باید د بېکېر فېلچر په صورت کې د ډسټرېبوشن نيټ ورک له تړلېدو سره مخ کېږي.                                                                                                                                                                                                                                                                                                                                                                                                                    | iv    |  |  |
|  |  | v     | Loss-of-Mains detection                                                                                                                                                                                         | د بېکېر فېلچر سسټم باید د بېکېر فېلچر په صورت کې د ډسټرېبوشن نيټ ورک له تړلېدو سره مخ کېږي.                                                                                                                                                                                                                                                                                                                                                                                                                    | v     |  |  |
|  |  | vi    | Directional over-current relay                                                                                                                                                                                  | د بېکېر فېلچر سسټم باید د بېکېر فېلچر په صورت کې د ډسټرېبوشن نيټ ورک له تړلېدو سره مخ کېږي.                                                                                                                                                                                                                                                                                                                                                                                                                    | vi    |  |  |

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|  |  |       |                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                          |       |  |  |
|--|--|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--|--|
|  |  | 2.1.6 | Interlocking                                                                                                                                                                                                                                                                                             | Interlocking shall prevent closure of interconnecting switchgear when both the generator unit and the Distribution Network sources of supply are dead. It shall only be possible to close onto a dead bus bar when either the Distribution Network or Generating Station's source of supply is isolated. | 2.1.6 |  |  |
|  |  | a     | Manual closing of either the circuit breaker of each generator unit or the main incoming circuit breakers shall be disabled when either the Distribution Network or the generator source is live.                                                                                                        | Manual closing of either the circuit breaker of each generator unit or the main incoming circuit breakers shall be disabled when either the Distribution Network or the generator source is live.                                                                                                        | ✓     |  |  |
|  |  | b     | In the exceptional circumstances of loss of the supply source or the generator LV control system, manual closing may be re-enabled, paying special attention to unsynchronized paralleling.                                                                                                              | In the exceptional circumstances of loss of the supply source or the generator LV control system, manual closing may be re-enabled, paying special attention to unsynchronized paralleling.                                                                                                              | ✓     |  |  |
|  |  | c     | Interlocking shall prevent closure of interconnecting switchgear when both the generator unit and the Distribution Network sources of supply are dead. It shall only be possible to close onto a dead bus bar when either the Distribution Network or Generating Station's source of supply is isolated. | Interlocking shall prevent closure of interconnecting switchgear when both the generator unit and the Distribution Network sources of supply are dead. It shall only be possible to close onto a dead bus bar when either the Distribution Network or Generating Station's source of supply is isolated. | ✓     |  |  |
|  |  | d     | It shall not be possible for the generator unit circuit breaker or the main incoming circuit breaker to close or remain closed unless all three phases of the mains supply are normal.                                                                                                                   | It shall not be possible for the generator unit circuit breaker or the main incoming circuit breaker to close or remain closed unless all three phases of the mains supply are normal.                                                                                                                   | ✓     |  |  |
|  |  | 2.1.7 | Loss of Main protection                                                                                                                                                                                                                                                                                  | Loss of Main protection                                                                                                                                                                                                                                                                                  | 2.1.7 |  |  |
|  |  | a     | In case of loss of supply from the Distribution Network, the Loss of Mains protection shall ensure that the Generating Station ceases to energize the Service Provider's network until all Service Provider's protection operation have been finished and the normal operation                           | In case of loss of supply from the Distribution Network, the Loss of Mains protection shall ensure that the Generating Station ceases to energize the Service Provider's network until all Service Provider's protection operation have been finished and the normal operation                           | ✓     |  |  |





|  |  |        |                                                                                                                                                                                                               |                                                                                                                                                                                                                             |        |  |  |
|--|--|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--|--|
|  |  | b      | The under-voltage protection shall monitor the 3 phases of the supply network at the interconnection interface and shall monitor the nominal voltage at the Connection Point.                                 | <p>رستخیزه سووژوئو ټول ټولګه فازونه 3 په ترمینځ کې</p> <p>رستخیزه سووژوئو ټول ټولګه فازونه 3 په ترمینځ کې</p> <p>رستخیزه سووژوئو ټول ټولګه فازونه 3 په ترمینځ کې</p> <p>رستخیزه سووژوئو ټول ټولګه فازونه 3 په ترمینځ کې</p> | سر     |  |  |
|  |  | 2.1.10 | Over-frequency and Under-frequency protection                                                                                                                                                                 | <p>رستخیزه سووژوئو ټول ټولګه فازونه 3 په ترمینځ کې</p> <p>رستخیزه سووژوئو ټول ټولګه فازونه 3 په ترمینځ کې</p>                                                                                                               | 2.1.10 |  |  |
|  |  | a      | The over-frequency protection shall monitor 1 phase of the supply network at the interconnection interface and shall monitor nominal frequency at the Connection Point.                                       | <p>رستخیزه سووژوئو ټول ټولګه فازونه 3 په ترمینځ کې</p> <p>رستخیزه سووژوئو ټول ټولګه فازونه 3 په ترمینځ کې</p> <p>رستخیزه سووژوئو ټول ټولګه فازونه 3 په ترمینځ کې</p> <p>رستخیزه سووژوئو ټول ټولګه فازونه 3 په ترمینځ کې</p> | سر     |  |  |
|  |  | b      | The under-frequency protection shall monitor 1 phase of the supply network at the interconnection interface and shall monitor nominal frequency at the Connection Point.                                      | <p>رستخیزه سووژوئو ټول ټولګه فازونه 3 په ترمینځ کې</p> <p>رستخیزه سووژوئو ټول ټولګه فازونه 3 په ترمینځ کې</p> <p>رستخیزه سووژوئو ټول ټولګه فازونه 3 په ترمینځ کې</p> <p>رستخیزه سووژوئو ټول ټولګه فازونه 3 په ترمینځ کې</p> | سر     |  |  |
|  |  | 2.1.11 | Synchronizing equipment                                                                                                                                                                                       | <p>رستخیزه سووژوئو ټول ټولګه فازونه 3 په ترمینځ کې</p> <p>رستخیزه سووژوئو ټول ټولګه فازونه 3 په ترمینځ کې</p>                                                                                                               | 2.1.11 |  |  |
|  |  | a      | Synchronizing equipment shall be provided on either the generator unit circuit breaker or the main incomer circuit breakers.                                                                                  | <p>رستخیزه سووژوئو ټول ټولګه فازونه 3 په ترمینځ کې</p> <p>رستخیزه سووژوئو ټول ټولګه فازونه 3 په ترمینځ کې</p> <p>رستخیزه سووژوئو ټول ټولګه فازونه 3 په ترمینځ کې</p> <p>رستخیزه سووژوئو ټول ټولګه فازونه 3 په ترمینځ کې</p> | سر     |  |  |
|  |  | b      | Synchronization shall be fully automatic and the equipment used for synchronizing must be approved by the Service Provider.                                                                                   | <p>رستخیزه سووژوئو ټول ټولګه فازونه 3 په ترمینځ کې</p> <p>رستخیزه سووژوئو ټول ټولګه فازونه 3 په ترمینځ کې</p> <p>رستخیزه سووژوئو ټول ټولګه فازونه 3 په ترمینځ کې</p> <p>رستخیزه سووژوئو ټول ټولګه فازونه 3 په ترمینځ کې</p> | سر     |  |  |
|  |  | c      | The closing operation of switchgear that may parallel unsynchronized generation to the Distribution Network shall be prevented by checking the synchronizing equipment or by means of an interlocking system. | <p>رستخیزه سووژوئو ټول ټولګه فازونه 3 په ترمینځ کې</p> <p>رستخیزه سووژوئو ټول ټولګه فازونه 3 په ترمینځ کې</p> <p>رستخیزه سووژوئو ټول ټولګه فازونه 3 په ترمینځ کې</p> <p>رستخیزه سووژوئو ټول ټولګه فازونه 3 په ترمینځ کې</p> | سر     |  |  |

|  |  |       |                                                                                                                                                                                                                           |                                                                                                                                                                                                                                    |       |  |  |
|--|--|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--|--|
|  |  | 2.2   | Generating Stations with Contracted Capacity not higher than 500 kW                                                                                                                                                       | <p>ناتوانی تولیدی کمتر از ۵۰۰ کیلووات</p> <p>۵۰۰ کیلووات</p> <p>ناتوانی تولیدی کمتر از ۵۰۰ کیلووات</p>                                                                                                                             | 2.2   |  |  |
|  |  | 2.2.1 | Generating Stations with Contracted Capacity not higher than 500 kW shall be subject to the same provisions detailed in Point 2.1 of this Article with the following exceptions:                                          | <p>ناتوانی تولیدی کمتر از ۵۰۰ کیلووات</p> <p>۵۰۰ کیلووات</p> <p>ناتوانی تولیدی کمتر از ۵۰۰ کیلووات</p> <p>همچنین در موارد زیر:</p> <p>۲.۱ از این ماده</p> <p>استثنای خواهد بود.</p>                                                | 2.2.1 |  |  |
|  |  | a     | They shall not be obliged to install Directional over-current relays;                                                                                                                                                     | <p>در این مورد، لازم نیست که رله‌های جهت‌دار جریان اضافه‌بار نصب شود.</p>                                                                                                                                                          | ✓     |  |  |
|  |  | b     | They shall not be subject to the RTU and SCADA requirements set in Point 2.1 of this Article.                                                                                                                             | <p>۲.۱ از این ماده</p> <p>نیاز به الزامات RTU و SCADA</p> <p>ناتوانی تولیدی کمتر از ۵۰۰ کیلووات</p>                                                                                                                                | ✗     |  |  |
|  |  | c     | They shall not be required to install a Breaker Failure System;                                                                                                                                                           | <p>ناتوانی تولیدی کمتر از ۵۰۰ کیلووات</p> <p>نیاز به سیستم شکست قطب نیست.</p>                                                                                                                                                      | ✗     |  |  |
|  |  | d     | They shall not require to install the disconnector that isolates the Generating Station's premises from the Distribution Network to be operated by a relay different than the one operating the Main Circuit Breaker; and | <p>ناتوانی تولیدی کمتر از ۵۰۰ کیلووات</p> <p>نیاز به نصب قطع‌کننده‌ای که محل تولید را از شبکه توزیع جدا کند، نیست؛ و</p> <p>نیاز به عملیات قطع‌کننده توسط رله‌ای غیر از رله‌ای که عملیات قطع‌کننده اصلی را انجام می‌دهد، نیست.</p> | ✗     |  |  |
|  |  | e     | In single phase connections, the Over-voltage and Under-voltage protection shall only monitor the voltage at the phase where the Generating Station is connected.                                                         | <p>در اتصال تک‌فاز، حفاظت اضافه‌ولتاژ و کم‌ولتاژ فقط باید ولتاژ فاز متصل به ایستگاه تولید را نظارت کند.</p>                                                                                                                        | ✓     |  |  |
|  |  | 2.2.2 | Generating Stations with Contracted Capacity not higher than 500 kW shall have the option to voluntarily fulfil any of the exceptions listed in Point 2.2.1 of this Article.                                              | <p>ناتوانی تولیدی کمتر از ۵۰۰ کیلووات</p> <p>۵۰۰ کیلووات</p> <p>ناتوانی تولیدی کمتر از ۵۰۰ کیلووات</p> <p>۲.۲.۱ از این ماده</p> <p>ناتوانی تولیدی کمتر از ۵۰۰ کیلووات</p> <p>ناتوانی تولیدی کمتر از ۵۰۰ کیلووات</p>                | 2.2.2 |  |  |

| Article 16. Process for obtaining approval to connect a Generating Station |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | مادة 16 : عملية الحصول على موافقة لربط محطة توليد الكهرباء بشبكة التوزيع                                                                                                                                                                                                                                                                                                |   |
|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|                                                                            | The process for obtaining approval to connect a Generating Station to the Distribution Network of a Service Provider shall abide with the following:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | العملية للحصول على موافقة لربط محطة توليد الكهرباء بشبكة التوزيع من قبل مزود الخدمة يجب أن تخضع للآتي.                                                                                                                                                                                                                                                                  |   |
|                                                                            | 1. The applicant shall follow the steps set in Article 54 on the general process to obtain approval to connect and sign the Connection Agreement with the Service Provider prior to the actual connection to the Distribution Network.                                                                                                                                                                                                                                                                                                                                                                                                                             | 1. يجب على المتقدم اتباع الخطوات المحددة في المادة 54 من العملية العامة للحصول على موافقة للربط وتوقيع اتفاقية الاتصال مع مزود الخدمة قبل الربط الفعلي بشبكة التوزيع.                                                                                                                                                                                                   | 1 |
|                                                                            | 2. After completion of all the Works required for connection, the equipment at the Connection Point and the Works developed (both by the applicant and by the Service Provider) shall undergo testing.                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2. بعد اكتمال جميع الأعمال المطلوبة للربط، يجب اختبار المعدات في نقطة الاتصال والأعمال المتطورة (من قبل المتقدم ومزود الخدمة).                                                                                                                                                                                                                                          | 2 |
|                                                                            | 3. Where the Generating Station requires connection to the Distribution Network in advance of the commissioning date, for the purposes of testing, the Generating Station shall provide the Service Provider with a commissioning programme in which the tests that are sought to be carried out are described and scheduled in time. The commissioning programme shall be approved by the Operator of the Distribution Network before being executed as per Article 69. The Operator of the Distribution Network shall communicate its approval or refusal of the commissioning programme within ten (10) Business Days after receipt of the mentioned programme. | 3. في حالة الحاجة إلى ربط محطة توليد الكهرباء بشبكة التوزيع مسبقاً من أجل الاختبار، يجب على المحطة توفير برنامج تشغيل يحتوي على وصف للتحسينات المطلوبة وجدولتها زمنياً. يجب موافقة مشغل شبكة التوزيع على البرنامج قبل تنفيذه وفقاً للمادة 69. يجب على مشغل شبكة التوزيع إبلاغ المتقدم بموافقته أو رفضه للبرنامج خلال عشرة (10) أيام عمل من تاريخ تلقي البرنامج المذكور. | 3 |
|                                                                            | 4. The Service Provider shall have the right to be present in any of the testing activities included in the commissioning programme. In such case, the Service Provider shall inform of the tests for which it wants to be present alongside with the approval of the commissioning programme.                                                                                                                                                                                                                                                                                                                                                                     | 4. يجب أن يحضر مزود الخدمة أي أنشطة اختبارية مدرجة في برنامج التشغيل. في هذه الحالة، يجب إعلام مزود الخدمة بالاختبارات التي يرغب في حضورها مع موافقة برنامج التشغيل.                                                                                                                                                                                                    | 4 |



|  |    |                               |                                                                                                                                                                                                                                                                                                                                                      |                                                                |       |  |  |
|--|----|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|-------|--|--|
|  |    | 1.1.2                         | Coordination with auto recloser requirements (if any); and                                                                                                                                                                                                                                                                                           | بەرزەندە ئۆزگەرتىش<br>(ئۆزگەرتىش ئۆزگەرتىش): ئەگەر             | 1.1.2 |  |  |
|  |    | 1.1.3                         | Protections settings of the controlling circuit breaker at the Connection Point                                                                                                                                                                                                                                                                      | بەرزەندە ئۆزگەرتىش<br>بەرزەندە ئۆزگەرتىش<br>بەرزەندە ئۆزگەرتىش | 1.1.3 |  |  |
|  |    | 1.2                           | Protection settings shall not be changed without agreement from the Operator of the Distribution Network.                                                                                                                                                                                                                                            | بەرزەندە ئۆزگەرتىش<br>بەرزەندە ئۆزگەرتىش<br>بەرزەندە ئۆزگەرتىش | 1.2   |  |  |
|  | 2. | Response to abnormal voltages |                                                                                                                                                                                                                                                                                                                                                      | بەرزەندە ئۆزگەرتىش                                             | 2     |  |  |
|  |    | 2.1                           | Generating Stations shall be capable of supplying their nominal Active Power and Reactive Power outputs, declared in the Connection Agreement, during normal operating conditions.                                                                                                                                                                   | بەرزەندە ئۆزگەرتىش<br>بەرزەندە ئۆزگەرتىش<br>بەرزەندە ئۆزگەرتىش | 2.1   |  |  |
|  |    | 2.2                           | When the voltage at the Connection Point deviates from its standard value (nominal voltage level at the Connection Point as defined in Article 20) due to faults and other disturbances, the Generating Station shall make its best endeavours to recover normal operation and go back to voltage levels as close as possible to the standard value. | بەرزەندە ئۆزگەرتىش<br>بەرزەندە ئۆزگەرتىش<br>بەرزەندە ئۆزگەرتىش | 2.2   |  |  |
|  |    | 2.3                           | Generating Stations shall collaborate with the Operator of the Distribution Network and make their best endeavours to keep voltage levels in the Distribution Network as close as possible to nominal voltages and within tolerance ranges.                                                                                                          | بەرزەندە ئۆزگەرتىش<br>بەرزەندە ئۆزگەرتىش<br>بەرزەندە ئۆزگەرتىش | 2.3   |  |  |
|  | 3. | Fault Ride-Through capability |                                                                                                                                                                                                                                                                                                                                                      | بەرزەندە ئۆزگەرتىش                                             | 3     |  |  |
|  |    | 3.1                           | In case of a voltage dip due to faults or other disturbances in the Distribution Network, the                                                                                                                                                                                                                                                        | بەرزەندە ئۆزگەرتىش<br>بەرزەندە ئۆزگەرتىش<br>بەرزەندە ئۆزگەرتىش | 3.1   |  |  |





**Table 1 – Maximum allowed flicker levels by voltage level for Generating Stations**

|          |                   |     |
|----------|-------------------|-----|
|          | Flicker           |     |
|          | Operation/running |     |
| Limit LV | Pst               | Plt |
|          | 1.00              | 0.8 |
| Limit MV | 0.9               | 0.7 |

|  |     |                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                    |     |  |
|--|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--|
|  | 6.  | Harmonic Voltage Distortion                                                                                                                                                                                                                                                                            | رَځسړو وولټيج ډسټورشن                                                                                                                                                                                                                                                                                                                                              |     |  |
|  | 6.1 | Generating Stations shall make their best endeavours to minimize the voltage harmonics injected into the Distribution Network, keeping the Total Harmonic Voltage Distortion (THVD) as low as possible and below the limits, compliant with IEC 61000-3-2 and IEC 61000-3-6, given in the table below: | <p>لارښوونې کوي چې د توليد کوونکو سټېسيونونه باید تر ټولو لږ هارمونیک ولاتول او د توزیع شبکې ته یوازې کم هارمونیک ولټیج ورکړي، ترڅو د مجموعي هارمونیک ولټیج ډسټورشن (THVD) تر حد نه کم وي او د IEC 61000-3-2 او IEC 61000-3-6 په محدودیتونو کې وي.</p> <p>د THVD د محاسبې لپاره د IEC 61000-3-2 او IEC 61000-3-6 په جدولونو کې ذکر شوي محدودیتونه باید پلي شي.</p> | 6.1 |  |

**Table 2 – Maximum allowed THVD by voltage level for Generating Stations**

| Voltage Level | THVD (%) |
|---------------|----------|
| LV            | 5        |
| MV            | 4        |

|  |  |     |                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|--|--|-----|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  | 6.2 | A schedule of limits to individual harmonic distortion limits may be set by each Service Provider subject to approval by the MEA. | ٦.٢. ٤. ٥. ٦. ٧. ٨. ٩. ١٠. ١١. ١٢. ١٣. ١٤. ١٥. ١٦. ١٧. ١٨. ١٩. ٢٠. ٢١. ٢٢. ٢٣. ٢٤. ٢٥. ٢٦. ٢٧. ٢٨. ٢٩. ٣٠. ٣١. ٣٢. ٣٣. ٣٤. ٣٥. ٣٦. ٣٧. ٣٨. ٣٩. ٤٠. ٤١. ٤٢. ٤٣. ٤٤. ٤٥. ٤٦. ٤٧. ٤٨. ٤٩. ٥٠. ٥١. ٥٢. ٥٣. ٥٤. ٥٥. ٥٦. ٥٧. ٥٨. ٥٩. ٦٠. ٦١. ٦٢. ٦٣. ٦٤. ٦٥. ٦٦. ٦٧. ٦٨. ٦٩. ٧٠. ٧١. ٧٢. ٧٣. ٧٤. ٧٥. ٧٦. ٧٧. ٧٨. ٧٩. ٨٠. ٨١. ٨٢. ٨٣. ٨٤. ٨٥. ٨٦. ٨٧. ٨٨. ٨٩. ٩٠. ٩١. ٩٢. ٩٣. ٩٤. ٩٥. ٩٦. ٩٧. ٩٨. ٩٩. ١٠٠. ١٠١. ١٠٢. ١٠٣. ١٠٤. ١٠٥. ١٠٦. ١٠٧. ١٠٨. ١٠٩. ١١٠. ١١١. ١١٢. ١١٣. ١١٤. ١١٥. ١١٦. ١١٧. ١١٨. ١١٩. ١٢٠. ١٢١. ١٢٢. ١٢٣. ١٢٤. ١٢٥. ١٢٦. ١٢٧. ١٢٨. ١٢٩. ١٣٠. ١٣١. ١٣٢. ١٣٣. ١٣٤. ١٣٥. ١٣٦. ١٣٧. ١٣٨. ١٣٩. ١٤٠. ١٤١. ١٤٢. ١٤٣. ١٤٤. ١٤٥. ١٤٦. ١٤٧. ١٤٨. ١٤٩. ١٥٠. ١٥١. ١٥٢. ١٥٣. ١٥٤. ١٥٥. ١٥٦. ١٥٧. ١٥٨. ١٥٩. ١٦٠. ١٦١. ١٦٢. ١٦٣. ١٦٤. ١٦٥. ١٦٦. ١٦٧. ١٦٨. ١٦٩. ١٧٠. ١٧١. ١٧٢. ١٧٣. ١٧٤. ١٧٥. ١٧٦. ١٧٧. ١٧٨. ١٧٩. ١٨٠. ١٨١. ١٨٢. ١٨٣. ١٨٤. ١٨٥. ١٨٦. ١٨٧. ١٨٨. ١٨٩. ١٩٠. ١٩١. ١٩٢. ١٩٣. ١٩٤. ١٩٥. ١٩٦. ١٩٧. ١٩٨. ١٩٩. ٢٠٠. ٢٠١. ٢٠٢. ٢٠٣. ٢٠٤. ٢٠٥. ٢٠٦. ٢٠٧. ٢٠٨. ٢٠٩. ٢١٠. ٢١١. ٢١٢. ٢١٣. ٢١٤. ٢١٥. ٢١٦. ٢١٧. ٢١٨. ٢١٩. ٢٢٠. ٢٢١. ٢٢٢. ٢٢٣. ٢٢٤. ٢٢٥. ٢٢٦. ٢٢٧. ٢٢٨. ٢٢٩. ٢٣٠. ٢٣١. ٢٣٢. ٢٣٣. ٢٣٤. ٢٣٥. ٢٣٦. ٢٣٧. ٢٣٨. ٢٣٩. ٢٤٠. ٢٤١. ٢٤٢. ٢٤٣. ٢٤٤. ٢٤٥. ٢٤٦. ٢٤٧. ٢٤٨. ٢٤٩. ٢٥٠. ٢٥١. ٢٥٢. ٢٥٣. ٢٥٤. ٢٥٥. ٢٥٦. ٢٥٧. ٢٥٨. ٢٥٩. ٢٦٠. ٢٦١. ٢٦٢. ٢٦٣. ٢٦٤. ٢٦٥. ٢٦٦. ٢٦٧. ٢٦٨. ٢٦٩. ٢٧٠. ٢٧١. ٢٧٢. ٢٧٣. ٢٧٤. ٢٧٥. ٢٧٦. ٢٧٧. ٢٧٨. ٢٧٩. ٢٨٠. ٢٨١. ٢٨٢. ٢٨٣. ٢٨٤. ٢٨٥. ٢٨٦. ٢٨٧. ٢٨٨. ٢٨٩. ٢٩٠. ٢٩١. ٢٩٢. ٢٩٣. ٢٩٤. ٢٩٥. ٢٩٦. ٢٩٧. ٢٩٨. ٢٩٩. ٣٠٠. ٣٠١. ٣٠٢. ٣٠٣. ٣٠٤. ٣٠٥. ٣٠٦. ٣٠٧. ٣٠٨. ٣٠٩. ٣١٠. ٣١١. ٣١٢. ٣١٣. ٣١٤. ٣١٥. ٣١٦. ٣١٧. ٣١٨. ٣١٩. ٣٢٠. ٣٢١. ٣٢٢. ٣٢٣. ٣٢٤. ٣٢٥. ٣٢٦. ٣٢٧. ٣٢٨. ٣٢٩. ٣٣٠. ٣٣١. ٣٣٢. ٣٣٣. ٣٣٤. ٣٣٥. ٣٣٦. ٣٣٧. ٣٣٨. ٣٣٩. ٣٤٠. ٣٤١. ٣٤٢. ٣٤٣. ٣٤٤. ٣٤٥. ٣٤٦. ٣٤٧. ٣٤٨. ٣٤٩. ٣٥٠. ٣٥١. ٣٥٢. ٣٥٣. ٣٥٤. ٣٥٥. ٣٥٦. ٣٥٧. ٣٥٨. ٣٥٩. ٣٦٠. ٣٦١. ٣٦٢. ٣٦٣. ٣٦٤. ٣٦٥. ٣٦٦. ٣٦٧. ٣٦٨. ٣٦٩. ٣٧٠. ٣٧١. ٣٧٢. ٣٧٣. ٣٧٤. ٣٧٥. ٣٧٦. ٣٧٧. ٣٧٨. ٣٧٩. ٣٨٠. ٣٨١. ٣٨٢. ٣٨٣. ٣٨٤. ٣٨٥. ٣٨٦. ٣٨٧. ٣٨٨. ٣٨٩. ٣٩٠. ٣٩١. ٣٩٢. ٣٩٣. ٣٩٤. ٣٩٥. ٣٩٦. ٣٩٧. ٣٩٨. ٣٩٩. ٤٠٠. ٤٠١. ٤٠٢. ٤٠٣. ٤٠٤. ٤٠٥. ٤٠٦. ٤٠٧. ٤٠٨. ٤٠٩. ٤١٠. ٤١١. ٤١٢. ٤١٣. ٤١٤. ٤١٥. ٤١٦. ٤١٧. ٤١٨. ٤١٩. ٤٢٠. ٤٢١. ٤٢٢. ٤٢٣. ٤٢٤. ٤٢٥. ٤٢٦. ٤٢٧. ٤٢٨. ٤٢٩. ٤٣٠. ٤٣١. ٤٣٢. ٤٣٣. ٤٣٤. ٤٣٥. ٤٣٦. ٤٣٧. ٤٣٨. ٤٣٩. ٤٤٠. ٤٤١. ٤٤٢. ٤٤٣. ٤٤٤. ٤٤٥. ٤٤٦. ٤٤٧. ٤٤٨. ٤٤٩. ٤٥٠. ٤٥١. ٤٥٢. ٤٥٣. ٤٥٤. ٤٥٥. ٤٥٦. ٤٥٧. ٤٥٨. ٤٥٩. ٤٦٠. ٤٦١. ٤٦٢. ٤٦٣. ٤٦٤. ٤٦٥. ٤٦٦. ٤٦٧. ٤٦٨. ٤٦٩. ٤٧٠. ٤٧١. ٤٧٢. ٤٧٣. ٤٧٤. ٤٧٥. ٤٧٦. ٤٧٧. ٤٧٨. ٤٧٩. ٤٨٠. ٤٨١. ٤٨٢. ٤٨٣. ٤٨٤. ٤٨٥. ٤٨٦. ٤٨٧. ٤٨٨. ٤٨٩. ٤٩٠. ٤٩١. ٤٩٢. ٤٩٣. ٤٩٤. ٤٩٥. ٤٩٦. ٤٩٧. ٤٩٨. ٤٩٩. ٥٠٠. ٥٠١. ٥٠٢. ٥٠٣. ٥٠٤. ٥٠٥. ٥٠٦. ٥٠٧. ٥٠٨. ٥٠٩. ٥١٠. ٥١١. ٥١٢. ٥١٣. ٥١٤. ٥١٥. ٥١٦. ٥١٧. ٥١٨. ٥١٩. ٥٢٠. ٥٢١. ٥٢٢. ٥٢٣. ٥٢٤. ٥٢٥. ٥٢٦. ٥٢٧. ٥٢٨. ٥٢٩. ٥٣٠. ٥٣١. ٥٣٢. ٥٣ |
|--|--|-----|-----------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|









|  |    |           |                                                                                                                                        |                                                                                                                                                                                                                                               |     |  |
|--|----|-----------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--|
|  |    |           |                                                                                                                                        |                                                                                                                                                                                                                                               |     |  |
|  |    | 1.2       | During faults and extraordinary network conditions the above listed voltage threshold can be temporarily trespassed.                   | چونكه د ژوندۍ د وړاندوړو سټوونو<br>د تېرېدو د وختو د پېچېدو<br>د تېرېدو د وختو د پېچېدو، د وړاندوړو<br>د تېرېدو د وختو د پېچېدو د وختو د پېچېدو<br>د تېرېدو د وختو د پېچېدو د وختو د پېچېدو.                                                  | 2.1 |  |
|  | 2. | Frequency |                                                                                                                                        | د وړاندوړو د وختو د پېچېدو                                                                                                                                                                                                                    | 2   |  |
|  |    | 2.1       | During normal operating conditions the frequency in the Distribution Network shall be within the range 49.5 Hz – 50.5 Hz.              | د وړاندوړو د وختو د پېچېدو<br>د وړاندوړو د وختو د پېچېدو، د وړاندوړو<br>د وړاندوړو د وختو د پېچېدو د وختو د پېچېدو<br>49.5 Hz – 50.5 Hz د وختو د پېچېدو<br>د وړاندوړو د وختو د پېچېدو.                                                        | 2.1 |  |
|  |    | 2.2       | During faults and extraordinary network conditions the range mentioned above can be temporarily trespassed.                            | چونكه د ژوندۍ د وړاندوړو سټوونو<br>د تېرېدو د وختو د پېچېدو<br>د تېرېدو د وختو د پېچېدو، د وړاندوړو<br>د تېرېدو د وختو د پېچېدو د وختو د پېچېدو<br>د تېرېدو د وختو د پېچېدو د وختو د پېچېدو<br>د تېرېدو د وختو د پېچېدو د وختو د پېچېدو.      | 2.2 |  |
|  | 3. | Harmonics |                                                                                                                                        | د وړاندوړو د وختو د پېچېدو                                                                                                                                                                                                                    | 3   |  |
|  |    | 3.1       | The level of harmonics in the Distribution Network at any Connection Point shall not exceed the thresholds set in the following table: | د وړاندوړو د وختو د پېچېدو<br>د وړاندوړو د وختو د پېچېدو<br>د وړاندوړو د وختو د پېچېدو<br>د وړاندوړو د وختو د پېچېدو<br>د وړاندوړو د وختو د پېچېدو<br>د وړاندوړو د وختو د پېچېدو<br>د وړاندوړو د وختو د پېچېدو<br>د وړاندوړو د وختو د پېچېدو. | 3.1 |  |

**Table 4 – Maximum THVD allowed by voltage level in any Connection Point in the Distribution Network**

| Voltage Level | THVD (%) |
|---------------|----------|
| LV            | 5        |
| MV            | 4        |

|  |    |                  |                                                                                                                     |                                                                                                                                                                                                                                        |     |  |
|--|----|------------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--|
|  |    | 3.2              | During faults and extraordinary network conditions the limits set in the table above can be temporarily trespassed. | <p>چونکہ در صورت وقوع<br/>افراطی حالت شبکه و<br/>در شرایط فوق العاده،<br/>حدود مذکور در جدول<br/>موقتاً تجاوز پذیرد.<br/>فقط در صورت وقوع افراطی حالت شبکه.</p>                                                                        | 3-2 |  |
|  | 4. | Voltage Flickers |                                                                                                                     | تغیرات ناگهانی ولتاژ                                                                                                                                                                                                                   | 4   |  |
|  |    | 4.1              | The flicker levels at any Connection Point in the Distribution Network shall not exceed the following thresholds:   | <p>سطح تابش نور در هر نقطه اتصال در شبکه توزیع نباید از حد مشخص شده<br/>بیشتر شود.<br/>محدوده مجاز تابش نور در هر نقطه اتصال در شبکه توزیع<br/>بیشتر نشود.<br/>محدوده مجاز تابش نور در هر نقطه اتصال در شبکه توزیع<br/>بیشتر نشود.</p> | 4-1 |  |

**Table 5 – Maximum flicker levels allowed by voltage level in any Connection Point in the Distribution Network**

**مەزمۇن - 5 - ئىسپاتقا كەلتۈرگۈچى دەلىللەر**

|          |      |     |
|----------|------|-----|
|          | Pst  | Plt |
| Limit LV | 1.00 | 0.8 |
| Limit MV | 0.9  | 0.7 |











$$THVD (\%) = \sqrt{\frac{\sum_i V_i^2}{V_1^2}} * 100\%$$

Where:

|  |       |                                                                                                                                                                                                                    |                                           |       |  |  |
|--|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-------|--|--|
|  | 4.2.1 | THVD: Total Harmonic Distortion of the voltage wave;                                                                                                                                                               | ٤.٢.١ (٤.٢.١) ٤.٢.١ (٤.٢.١) ٤.٢.١ (٤.٢.١) | 4.2.1 |  |  |
|  | 4.2.2 | Vi: voltage component of harmonic order i;                                                                                                                                                                         | ٤.٢.٢ (٤.٢.٢) ٤.٢.٢ (٤.٢.٢) ٤.٢.٢ (٤.٢.٢) | 4.2.2 |  |  |
|  | 4.2.3 | V1: voltage component of the fundamental frequency 50 Hz; and                                                                                                                                                      | ٤.٢.٣ (٤.٢.٣) ٤.٢.٣ (٤.٢.٣) ٤.٢.٣ (٤.٢.٣) | 4.2.3 |  |  |
|  | 4.2.4 | i: order of the harmonic.                                                                                                                                                                                          | ٤.٢.٤ (٤.٢.٤) ٤.٢.٤ (٤.٢.٤) ٤.٢.٤ (٤.٢.٤) | 4.2.4 |  |  |
|  | 5.    | Flicker                                                                                                                                                                                                            | ٥ (٥) ٥ (٥) ٥ (٥)                         | 5     |  |  |
|  | 5.1   | Flicker parameters Short Term Flicker Severity (Pst) and Long Term Flicker Severity (Plt) shall be monitored through measurement campaigns as specified by and covering the Connection Points selected by the MEA. | ٥.١ (٥.١) ٥.١ (٥.١) ٥.١ (٥.١)             | 5.1   |  |  |
|  | 5.2   | The assessment of the flicker disturbance shall be made in accordance with the methodologies of IEC 61000-4-7.                                                                                                     | ٥.٢ (٥.٢) ٥.٢ (٥.٢) ٥.٢ (٥.٢)             | 5.2   |  |  |
|  | 6.    | Total Energy Losses                                                                                                                                                                                                | ٦ (٦) ٦ (٦) ٦ (٦)                         | 6     |  |  |

|                                                                                                                                                            |   |       |                                                                                                                                  |                                                                                                                                  |       |   |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|---|-------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------|---|--|
|                                                                                                                                                            |   | 6.1   | Total Energy Losses in the Distribution Network shall be calculated as follows:                                                  | <p>ناتوانی مجموعی در شبکه توزیع</p> <p>را با استفاده از فرمول زیر محاسبه می‌گردد:</p> <p>فرمول فوق الذکر:</p>                    | 6.1   |   |  |
| <p style="text-align: center;"> <math display="block">TEL (\%) = \frac{\sum_{CP=1}^N (EI_{CP} - ES_{CP})}{\sum_{CP=1}^N EI_{CP}}</math> </p> <p>Where:</p> |   |       |                                                                                                                                  |                                                                                                                                  |       |   |  |
|                                                                                                                                                            |   | 6.1.1 | TEL: Total Energy Losses, expressed in %;                                                                                        | <p>توانایی تلفات انرژی (در درصد)</p> <p>را با استفاده از فرمول زیر محاسبه می‌گردد:</p>                                           | 6.1.1 |   |  |
|                                                                                                                                                            |   | 6.1.2 | CP: index for every Connection Point (where either a Generating Station or a Consumer is connected to the Distribution Network); | <p>نقطه اتصال (که در آن یک ایستگاه تولید یا یک مصرف کننده به شبکه توزیع متصل است)</p>                                            | 6.1.2 |   |  |
|                                                                                                                                                            |   | 6.1.3 | N: total number of Connections Points;                                                                                           | <p>تعداد کل نقاط اتصال</p>                                                                                                       | 6.1.3 |   |  |
|                                                                                                                                                            |   | 6.1.4 | EI: energy injected at point CP, measured in kWh;                                                                                | <p>انرژی تزریق شده در نقطه اتصال (به کیلووات ساعت)</p>                                                                           | 6.1.4 |   |  |
|                                                                                                                                                            |   | 6.1.5 | ES: energy supplied (as billed) to Customers at point CP, measured in kWh.                                                       | <p>انرژی تأمین شده (به صورت صورتحساب) به مشتریان در نقطه اتصال (به کیلووات ساعت)</p>                                             | 6.1.5 |   |  |
|                                                                                                                                                            |   | 6.2   | Total Energy Losses shall be expressed in percentage of the energy injected (as specified in the formula above) and in kWh.      | <p>توانایی تلفات انرژی باید به درصد انرژی تزریق شده (همانطور که در فرمول فوق الذکر مشخص شده است) و به کیلووات ساعت بیان شود.</p> | 6.2   |   |  |
|                                                                                                                                                            | 7 |       | Interruptions                                                                                                                    | توقف (توقف موقت)                                                                                                                 |       | 7 |  |

|                                                                                       |  |       |                                                                                                                                                                                                 |                                                                                                                                                                                                    |       |  |  |
|---------------------------------------------------------------------------------------|--|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--|--|
|                                                                                       |  | 7.1   | The number of failures in the Distribution Network leading to interruptions of the service provided to Generating Stations or to Consumers connected to it shall be registered for MV networks. | <p>ناتوانی‌ها و قطعی‌ها در شبکه توزیع که منجر به قطع خدمات برای ایستگاه‌های تولید یا مصرف‌کنندگان متصل به آن می‌شود، باید ثبت شود.</p> <p>این ثبت برای شبکه‌های فشار متوسط (MV) انجام می‌گیرد.</p> | 7.1   |  |  |
|                                                                                       |  | 7.2   | Performance in interruptions shall be monitored by means of the Interruption Index (monthly, quarterly and annually), calculated as:                                                            | <p>عملکرد در مورد قطعی‌ها باید با استفاده از شاخص قطعی (ماهانه، فصلی و سالانه) پایش شود. محاسبه به صورت زیر است:</p>                                                                               | 7.2   |  |  |
|                                                                                       |  | 7.2.1 | Monthly Interruption Index                                                                                                                                                                      | <p>شاخص قطعی ماهانه</p>                                                                                                                                                                            | 7.2.1 |  |  |
| $MII = \frac{1}{100} \cdot \frac{\sum_{f=1}^F NF_f}{\sum_{f=1}^F LN_f}$ <p>Where:</p> |  |       |                                                                                                                                                                                                 |                                                                                                                                                                                                    |       |  |  |
|                                                                                       |  | a.    | MII: Monthly Interruption Index, expressed in number of interruptions per 100 metres of feeder;                                                                                                 | <p>شاخص قطعی ماهانه (MII): عدد قطعی‌ها در هر 100 متر از شبکه توزیع.</p>                                                                                                                            | ر.    |  |  |
|                                                                                       |  | b.    | F: total number of feeders at MV level;                                                                                                                                                         | <p>تعداد کل شبکه‌های توزیع در سطح فشار متوسط (F).</p>                                                                                                                                              | ر.    |  |  |
|                                                                                       |  | c.    | f: index going from 1 up to the total number of feeders F.                                                                                                                                      | <p>شاخص f: از 1 تا تعداد کل شبکه‌های توزیع (F).</p>                                                                                                                                                | ر.    |  |  |

|  |  |       |                                                                                         |                                                                                          |       |  |  |
|--|--|-------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-------|--|--|
|  |  | d.    | NFf: Number of failures leading to service interruption during the month in feeder “f”; | <p> <math display="block">\text{نمبر خرابی‌ها در طول ماه در تغذیه "f" (NFf)}</math> </p> | نمبر  |  |  |
|  |  | e.    | LNf: Length of feeder “f” in metres.                                                    | <p> <math display="block">\text{طول تغذیه "f" در متر (LNf)}</math> </p>                  | متر   |  |  |
|  |  | 7.2.2 | Quarterly Interruption Index                                                            | <p> <math display="block">\text{شاخص قطع خدمات فصلی}</math> </p>                         | 7.2.2 |  |  |

$$QII = \frac{1}{100} \cdot \frac{\sum_{j=1}^3 (\sum_{f=1}^F NF_{fj})}{\frac{1}{3} \cdot \sum_{j=1}^3 (\sum_{f=1}^F LN_{fj})}$$

Where:

|  |  |       |                                                                                 |                                                                                                                  |       |  |  |
|--|--|-------|---------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------|--|--|
|  |  | a.    | QII: Quarterly Interruption Index;                                              | <p> <math display="block">\text{شاخص قطع خدمات فصلی (QII)}</math> </p>                                           | نمبر  |  |  |
|  |  | b.    | j: parameter going from 1 up to the desired number of months (3 for a quarter). | <p> <math display="block">\text{پارامتر j که از 1 تا تعداد مورد نیاز ماه‌ها (3 برای یک ربع) می‌رود.}</math> </p> | نمبر  |  |  |
|  |  | 7.2.3 | Annual Interruption Index                                                       | <p> <math display="block">\text{شاخص قطع خدمات سالانه}</math> </p>                                               | 7.2.3 |  |  |

$$AII = \frac{1}{100} \cdot \frac{\sum_{j=1}^{12} (\sum_{f=1}^F NF_{fj})}{\frac{1}{12} \cdot \sum_{j=1}^{12} (\sum_{f=1}^F LN_{fj})}$$

Where:

|  |  |   |                                 |                                                                          |      |  |  |
|--|--|---|---------------------------------|--------------------------------------------------------------------------|------|--|--|
|  |  | a | All: Annual Interruption Index; | <p> <math display="block">\text{شاخص قطع خدمات سالانه (All)}</math> </p> | نمبر |  |  |
|--|--|---|---------------------------------|--------------------------------------------------------------------------|------|--|--|



|  |     |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                      |     |  |
|--|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--|
|  |     |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                      |     |  |
|  | 1   | The Operator of the Distribution Network shall be responsible for obtaining the base data required for the calculation of each of the quality of service performance indicators defined in Article 21.                                    | <p>1. دښتير 21 د ډاټا ټولگه اړخيزه ډاټا ټولگه څرګندوي.</p> <p>دښتير 21 د ډاټا ټولگه اړخيزه ډاټا ټولگه څرګندوي.</p> <p>دښتير 21 د ډاټا ټولگه اړخيزه ډاټا ټولگه څرګندوي.</p> <p>دښتير 21 د ډاټا ټولگه اړخيزه ډاټا ټولگه څرګندوي.</p>   | 1   |  |
|  | 2   | The Operator of the Distribution Network shall be responsible for calculating the quality of service performance indicators as defined in Article 21.                                                                                     | <p>2. دښتير 21 د ډاټا ټولگه اړخيزه ډاټا ټولگه څرګندوي.</p> <p>دښتير 21 د ډاټا ټولگه اړخيزه ډاټا ټولگه څرګندوي.</p> <p>دښتير 21 د ډاټا ټولگه اړخيزه ډاټا ټولگه څرګندوي.</p> <p>دښتير 21 د ډاټا ټولگه اړخيزه ډاټا ټولگه څرګندوي.</p>   | 2   |  |
|  | 3   | The Operator of the Distribution Network shall keep a database with all the registers of performance indicators and the primary data used for their calculation for at least the last two (2) calendar years.                             | <p>3. دښتير 21 د ډاټا ټولگه اړخيزه ډاټا ټولگه څرګندوي.</p> <p>دښتير 21 د ډاټا ټولگه اړخيزه ډاټا ټولگه څرګندوي.</p> <p>دښتير 21 د ډاټا ټولگه اړخيزه ډاټا ټولگه څرګندوي.</p> <p>دښتير 21 د ډاټا ټولگه اړخيزه ډاټا ټولگه څرګندوي.</p>   | 3   |  |
|  | 4   | The Operator of the Distribution Network shall submit a monthly report, a quarterly report and a yearly report to the MEA showing the outputs of its monitoring activities, including at least:                                           | <p>4. دښتير 21 د ډاټا ټولگه اړخيزه ډاټا ټولگه څرګندوي.</p> <p>دښتير 21 د ډاټا ټولگه اړخيزه ډاټا ټولگه څرګندوي.</p> <p>دښتير 21 د ډاټا ټولگه اړخيزه ډاټا ټولگه څرګندوي.</p> <p>دښتير 21 د ډاټا ټولگه اړخيزه ډاټا ټولگه څرګندوي.</p>   | 4   |  |
|  | 4.1 | The values of the indicators for the period of time covered by the report (the last month in the case of monthly reports; the last quarter in the case of quarterly reports and the last calendar year in the case of the yearly report); | <p>4.1. دښتير 21 د ډاټا ټولگه اړخيزه ډاټا ټولگه څرګندوي.</p> <p>دښتير 21 د ډاټا ټولگه اړخيزه ډاټا ټولگه څرګندوي.</p> <p>دښتير 21 د ډاټا ټولگه اړخيزه ډاټا ټولگه څرګندوي.</p> <p>دښتير 21 د ډاټا ټولگه اړخيزه ډاټا ټولگه څرګندوي.</p> | 4.1 |  |

|  |   |                                                        |                                                                                                                                                                              |                                                                                                                                       |     |  |
|--|---|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-----|--|
|  |   | 4.2                                                    | The list of cases where any of the indicators was out of the acceptable range defined in Article 22;                                                                         | 22 مەھسۇلات سۈپەت ئىندېكسلىرىنىڭ قوبۇل قىلىنغان دائىرىسىدىن تاشقىرىدا بولغان ھەممەتلىرىنىڭ ئىسمىنى كۆرسىتىش                           | 4.2 |  |
|  |   | 4.3                                                    | A description of the causes leading to transgress the tolerance range for the indicators out of range and a description of the actions taken to mitigate or solve the issue. | ئۆلچەملىك دائىرىدىن تاشقىرىدا بولغان ئىندېكسنىڭ سەۋىيەسىنى ئۆزگەرتىشكە ئىشلىتىلگەن سەۋەب ۋە ئۆزگەرتىش ئۆلچىمىنىڭ تەپسىلاتىنى كۆرسىتىش | 4.3 |  |
|  | 5 | The Operator of the Distribution Network shall submit: |                                                                                                                                                                              | تەقسىمات تور ئىشلىتىش ئۆزگەرتىش ئۆلچىمىنىڭ تەپسىلاتىنى كۆرسىتىش                                                                       | 5   |  |
|  |   | 5.1                                                    | the monthly reports no later than ten (10) Business Days after the end of the referred month;                                                                                | ئۆزگەرتىش ئۆلچىمىنىڭ تەپسىلاتىنى كۆرسىتىش ۋە ئۆزگەرتىش ئۆلچىمىنىڭ تەپسىلاتىنى كۆرسىتىش (10) كۈن ئىچىدە                                | 5.1 |  |
|  |   | 5.2                                                    | the quarterly reports no later than ten (10) Business Days after the end of the referred quarter; and                                                                        | ئۆزگەرتىش ئۆلچىمىنىڭ تەپسىلاتىنى كۆرسىتىش ۋە ئۆزگەرتىش ئۆلچىمىنىڭ تەپسىلاتىنى كۆرسىتىش (10) كۈن ئىچىدە                                | 5.2 |  |
|  |   | 5.3                                                    | the yearly reports no later than thirty (30) Business Days after the end of the referred year.                                                                               | ئۆزگەرتىش ئۆلچىمىنىڭ تەپسىلاتىنى كۆرسىتىش ۋە ئۆزگەرتىش ئۆلچىمىنىڭ تەپسىلاتىنى كۆرسىتىش (30) كۈن ئىچىدە                                | 5.3 |  |



|                                        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                                                      |   |
|----------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
|                                        | 6 | The MEA shall have the right to request additional information as necessary to perform its monitoring and control role, and the Operator of the Distribution Network shall allow the access to the primary documentation and/or send the necessary data regarding performance indicators as requested by the MEA. The deadline to submit this additional information shall be not more than seven (7) Business Days from the date of receipt of the request by the Operator of the Distribution Network. | <p>         6. MEA له حق طلب معلومات إضافية كما يلزم لأداء دوره في المراقبة والتحكم، ويجب على مشغل شبكة التوزيع السماح بالوصول إلى الوثائق الأساسية وإرسال البيانات اللازمة المتعلقة بمؤشرات الأداء كما يطلبها MEA. المهلة لتقديم هذه المعلومات الإضافية يجب أن لا تتجاوز سبعة (7) أيام عمل من تاريخ تلقي الطلب من قبل مشغل شبكة التوزيع.       </p> |   |
| Section 3. Health and Safety           |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <p>         3. صحة وسلامة. سياسات وممارسات مشغل شبكة التوزيع       </p>                                                                                                                                                                                                                                                                              |   |
| Article 24. Health & Safety Procedures |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <p>         24. إجراءات 24. صحة وسلامة. سياسات وممارسات مشغل شبكة التوزيع       </p>                                                                                                                                                                                                                                                                 |   |
|                                        | 1 | Every Service Provider shall design and adopt a series of Health and Safety Principles and design and implement an internal Health and Safety Policy that shall be approved by the MEA.                                                                                                                                                                                                                                                                                                                  | <p>         1. يجب على كل مزود خدمة تصميم واعتماد سلسلة من مبادئ صحة وسلامة، وتصميم وتنفيذ سياسة صحية وسلامة داخلية يجب أن تكون معتمدة من قبل MEA.       </p>                                                                                                                                                                                        | 1 |
|                                        | 2 | The Health and Safety Principles shall be defined to publicly show the main guidelines and targets in terms of ensuring safety at work and protecting the health of both employees and external agents.                                                                                                                                                                                                                                                                                                  | <p>         2. يجب تعريف مبادئ صحة وسلامة بحيث تظهر علنًا التوجيهات والأهداف الرئيسية فيما يتعلق بضمان السلامة في العمل وحماية صحة الموظفين والوكلاء الخارجيين.       </p>                                                                                                                                                                           | 2 |
|                                        | 3 | The Health and Safety Policy shall include at least:                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <p>         3. يجب أن تتضمن سياسة صحة وسلامة على الأقل:       </p>                                                                                                                                                                                                                                                                                   | 3 |

|                                                             |   |                                                                                                                   |                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                    |     |  |  |
|-------------------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--|--|
|                                                             |   | 3.1                                                                                                               | A description of the agents involved and their responsibilities in terms of managing, implementing and monitoring health and safety measures and performance in the Service Provider; | <p>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>بىر تەرەپتىكى نەزەرگە ئېلىنىدىغان<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى</p> | 3.1 |  |  |
|                                                             |   | 3.2                                                                                                               | A definition of the main threats to health and safety of employees and of external agents derived from the activities developed by the Service Provider;                              | <p>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى</p> | 3.2 |  |  |
|                                                             |   | 3.3                                                                                                               | A set of rules, guidelines and recommendations on the equipment and procedures that Service Provider's workers shall comply with depending on the tasks they are assigned.            | <p>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى</p> | 3.3 |  |  |
|                                                             |   | 3.4                                                                                                               | A set of Health and Safety Performance Indicators and the targets set by the Service Provider for each of them.                                                                       | <p>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى</p> | 3.4 |  |  |
| <b>Article 25. Health and Safety Performance Indicators</b> |   |                                                                                                                   |                                                                                                                                                                                       | <b>مەزمۇرى 25. سەھىيە ۋە خەتەرلىك ئەھۋالغا قارشى كۆرسەتكۈچلەر</b>                                                                                                                                                                                                                                                  |     |  |  |
|                                                             | 1 | Every Service Provider shall select a set of quantitative Health and Safety Indicators that shall be utilised to: |                                                                                                                                                                                       | <p>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى</p> | 1   |  |  |
|                                                             |   | 1.1                                                                                                               | Monitor the evolution of the Service Provider's performance in Health & Safety management; and                                                                                        | <p>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى<br/>نەزەرگە ئېلىنىدىغان بىر تەرەپتىكى</p> | 1.1 |  |  |



$$DAFWII (\#) = \sum_{m=1}^n N_m \cdot \frac{EHW_m}{TEHW_m}$$

Where,

|  |  |       |                                                                                                                                                                                                      |                                                                                                                                                                                                                                                            |       |  |  |
|--|--|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--|--|
|  |  | i     | N = Number of incidents (injuries or illness) that imply the employee is away from job for at least a day.                                                                                           | <p> <math>N = \text{Number of incidents (injuries or illness) that imply the employee is away from job for at least a day.}</math> </p>                                                                                                                    |       |  |  |
|  |  | ii    | m = month.                                                                                                                                                                                           | <p> <math>m = \text{month.}</math> </p>                                                                                                                                                                                                                    |       |  |  |
|  |  | iii   | n = 1 to 12, where '12' represents the final indicator value and the rest represent intermediate values.                                                                                             | <p> <math>n = 1 \text{ to } 12, \text{ where '12' represents the final indicator value and the rest represent intermediate values.}</math> </p>                                                                                                            |       |  |  |
|  |  | iv    | EHW = Number of hours the employee should have worked during the period in a 100 employee basis. As a general rule it shall take the value of: 100 employees * 8 hours/day * 20 days/month = 16,000. | <p> <math>EHW = \text{Number of hours the employee should have worked during the period in a 100 employee basis. As a general rule it shall take the value of: } 100 \text{ employees} * 8 \text{ hours/day} * 20 \text{ days/month} = 16,000.</math> </p> |       |  |  |
|  |  | v     | TEHW = Total number of hours worked by the total staff of the Service Provider during the period (the month).                                                                                        | <p> <math>TEHW = \text{Total number of hours worked by the total staff of the Service Provider during the period (the month).}</math> </p>                                                                                                                 |       |  |  |
|  |  | 3.2   | Fatal Accident at Work incidence rate (FAAW)                                                                                                                                                         | <p> <math>\text{FAAW} = \frac{\text{Number of Fatal Accidents at Work}}{\text{Total Number of Hours Worked}} \times 100</math> </p>                                                                                                                        | 3.2   |  |  |
|  |  | 3.1.1 | Definition                                                                                                                                                                                           | <p> <math>\text{Definition}</math> </p>                                                                                                                                                                                                                    | 3.1.1 |  |  |







[illegible]





|  |     |                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                |  |
|--|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--|
|  | 2   | Maintenance programs shall indicate for each asset object of maintenance activity:                                                                                                                                                                                                                                                                                                                                                   | <p>         2<br/>         2<br/>         2<br/>         2<br/>         2       </p>           |  |
|  | 2.1 | Identification of the equipment involved and its capacity in MW;                                                                                                                                                                                                                                                                                                                                                                     | <p>         2.1<br/>         2.1<br/>         2.1<br/>         2.1<br/>         2.1       </p> |  |
|  | 2.2 | Reasons for the maintenance;                                                                                                                                                                                                                                                                                                                                                                                                         | <p>         2.2<br/>         2.2<br/>         2.2<br/>         2.2<br/>         2.2       </p> |  |
|  | 2.3 | Type and brief description of the maintenance works;                                                                                                                                                                                                                                                                                                                                                                                 | <p>         2.3<br/>         2.3<br/>         2.3<br/>         2.3<br/>         2.3       </p> |  |
|  | 2.4 | Expected duration of the maintenance work;                                                                                                                                                                                                                                                                                                                                                                                           | <p>         2.4<br/>         2.4<br/>         2.4<br/>         2.4<br/>         2.4       </p> |  |
|  | 2.5 | Planned start date for the maintenance work and date by which the maintenance work is expected to be finished; and                                                                                                                                                                                                                                                                                                                   | <p>         2.5<br/>         2.5<br/>         2.5<br/>         2.5<br/>         2.5       </p> |  |
|  | 2.6 | Disconnections necessary for carrying out the maintenance work and the Customers that will potentially be affected by interruptions in their supply (if any).                                                                                                                                                                                                                                                                        | <p>         2.6<br/>         2.6<br/>         2.6<br/>         2.6<br/>         2.6       </p> |  |
|  | 3   | The monthly maintenance program developed by the Operator of the Distribution Network shall include details on the impact the maintenance works will have on the operation of the Distribution Network; including but not limited to the list of assets that will be out of service, the disconnections required and the reconfiguration of the network that is proposed to minimise the negative impacts that Customers may suffer. | <p>         3<br/>         3<br/>         3<br/>         3<br/>         3       </p>           |  |











|  |  |     |                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |     |  |  |
|--|--|-----|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--|--|
|  |  | 4.1 | Customer interrupted, specifying the type of customer and the Customer's Contracted Capacity;                                               | <p>         دُخْرَئَا سَرَّ دُئِ رَسْمَقِئِ<br/>         سَاوَعِئِ دُئِ دُؤِؤِؤِؤِ (دُؤِؤِؤِؤِ)<br/>         دُؤِؤِؤِؤِؤِ سَاوَعِئِ دُؤِؤِؤِؤِ<br/>         دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ<br/>         سَاوَعِئِ دُؤِؤِؤِؤِ       </p>                                                                                                                                                                                                                                                   | 4.1 |  |  |
|  |  | 4.2 | Planned start date and time and actual start date and time for the interruption;                                                            | <p>         دُخْرَئَا سَرَّ دُؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ<br/>         دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ<br/>         دُخْرَئَا سَرَّ دُؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ<br/>         دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ       </p>                                                                                                                                                                                                                                             | 4.2 |  |  |
|  |  | 4.3 | Planned duration and actual duration of the interruption;                                                                                   | <p>         دُخْرَئَا سَرَّ دُؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ<br/>         دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ<br/>         دُخْرَئَا سَرَّ دُؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ<br/>         دُؤِؤِؤِؤِؤِ       </p>                                                                                                                                                                                                                                                                       | 4.3 |  |  |
|  |  | 4.4 | Planned extent and actual extent of the interruption;                                                                                       | <p>         دُخْرَئَا سَرَّ دُؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ<br/>         دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ<br/>         دُخْرَئَا سَرَّ دُؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ       </p>                                                                                                                                                                                                                                                                                                 | 4.4 |  |  |
|  |  | 4.5 | Reason for the interruption; and                                                                                                            | <p>         دُخْرَئَا سَرَّ دُؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ       </p>                                                                                                                                                                                                                                                                                                                                                                                                                       | 4.5 |  |  |
|  |  | 4.6 | Explanation of the spreads between the planned start, duration and extent and the actual ones (if any).                                     | <p>         دُخْرَئَا سَرَّ دُؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ<br/>         دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ<br/>         دُخْرَئَا سَرَّ دُؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ<br/>         دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ<br/>         دُخْرَئَا سَرَّ دُؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ<br/>         دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ<br/>         دُخْرَئَا سَرَّ دُؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ<br/>         دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ<br/>         دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ       </p> | 4.6 |  |  |
|  |  | 4.7 | Include indication of those interruptions that were objected by the Customer, those that were re-scheduled and those that were not executed | <p>         سَاوَعِئِ دُؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ<br/>         دُخْرَئَا سَرَّ دُؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ<br/>         دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ<br/>         دُخْرَئَا سَرَّ دُؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ<br/>         دُؤِؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ<br/>         دُخْرَئَا سَرَّ دُؤِؤِؤِؤِ دُؤِؤِؤِؤِؤِ<br/>         دُؤِؤِؤِؤِؤِ       </p>                                                                                                                                                                   | 4.7 |  |  |







[illegible]













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|                                                                  |   |                                                                                                                                            |                                                                                                                |                                                               |     |  |
|------------------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----|--|
|                                                                  |   |                                                                                                                                            |                                                                                                                | <p>         ١٠٠٪ ٢٤ ساعه<br/>         ٢٤ ساعه ١٠٠٪       </p> |     |  |
|                                                                  |   | 4.1                                                                                                                                        | Cause that led to the declaration of the State of Emergency;                                                   | <p>         ١٠٠٪ ٢٤ ساعه<br/>         ٢٤ ساعه ١٠٠٪       </p> | 4.1 |  |
|                                                                  |   | 4.2                                                                                                                                        | The timing of the incidences that occurred in the Service Provider's assets related to the State of Emergency; | <p>         ١٠٠٪ ٢٤ ساعه<br/>         ٢٤ ساعه ١٠٠٪       </p> | 4.2 |  |
|                                                                  |   | 4.3                                                                                                                                        | The actions and procedures (palliative and corrective measures) taken to solve the situation;                  | <p>         ١٠٠٪ ٢٤ ساعه<br/>         ٢٤ ساعه ١٠٠٪       </p> | 4.3 |  |
|                                                                  |   | 4.4                                                                                                                                        | The number of customers impacted by the incidence; and                                                         | <p>         ١٠٠٪ ٢٤ ساعه<br/>         ٢٤ ساعه ١٠٠٪       </p> | 4.4 |  |
|                                                                  |   | 4.5                                                                                                                                        | The estimated time to recover supply.                                                                          | <p>         ١٠٠٪ ٢٤ ساعه<br/>         ٢٤ ساعه ١٠٠٪       </p> | 4.5 |  |
| <b>Article 38. Performance levels allowed during emergencies</b> |   |                                                                                                                                            |                                                                                                                | <b>٣٨. ١٠٠٪ ٢٤ ساعه</b>                                       |     |  |
|                                                                  | 1 | During a State of Emergency all provisions in this Service Provider Code related to minimum performance levels may be temporarily overrun. |                                                                                                                | <p>         ١٠٠٪ ٢٤ ساعه<br/>         ٢٤ ساعه ١٠٠٪       </p> | 1   |  |





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| Section 1.Planning Procedures                                                 |                                                                                                                                                                                 | <p>دې ډول: د وړاندې ټولګډون د پلان د تيارولو لارښوونې</p>                                                                                                                                                             |   |  |
| Article 46. Criteria for planning and development of the Distribution Network |                                                                                                                                                                                 | <p>د ټولګډون د پلان د تيارولو او د وړاندې ټولګډون د پلان د پرمختګ د کړنو کriteriya</p>                                                                                                                                |   |  |
|                                                                               | The Operator of the Distribution Network shall plan the development of the Distribution Network in order to:                                                                    | <p>د وړاندې ټولګډون د پلان د تيارولو لارښوونې</p> <p>د وړاندې ټولګډون د پلان د پرمختګ د کړنو کriteriya</p> <p>د وړاندې ټولګډون د پلان د تيارولو لارښوونې</p> <p>د وړاندې ټولګډون د پلان د پرمختګ د کړنو کriteriya</p> |   |  |
|                                                                               | 1 Enable the supply of the forecast demand scenarios;                                                                                                                           | <p>د وړاندې ټولګډون د پلان د تيارولو لارښوونې</p> <p>د وړاندې ټولګډون د پلان د پرمختګ د کړنو کriteriya</p> <p>د وړاندې ټولګډون د پلان د تيارولو لارښوونې</p> <p>د وړاندې ټولګډون د پلان د پرمختګ د کړنو کriteriya</p> | 1 |  |
|                                                                               | 2 Enable the connection of forecast new Customers;                                                                                                                              | <p>د وړاندې ټولګډون د پلان د تيارولو لارښوونې</p> <p>د وړاندې ټولګډون د پلان د پرمختګ د کړنو کriteriya</p> <p>د وړاندې ټولګډون د پلان د تيارولو لارښوونې</p> <p>د وړاندې ټولګډون د پلان د پرمختګ د کړنو کriteriya</p> | 2 |  |
|                                                                               | 3 Ensure adequate safety and reliability levels in the Distribution Network;                                                                                                    | <p>د وړاندې ټولګډون د پلان د تيارولو لارښوونې</p> <p>د وړاندې ټولګډون د پلان د پرمختګ د کړنو کriteriya</p> <p>د وړاندې ټولګډون د پلان د تيارولو لارښوونې</p> <p>د وړاندې ټولګډون د پلان د پرمختګ د کړنو کriteriya</p> | 3 |  |
|                                                                               | 4 Ensure power quality to Customers connected to the Distribution                                                                                                               | <p>د وړاندې ټولګډون د پلان د تيارولو لارښوونې</p> <p>د وړاندې ټولګډون د پلان د پرمختګ د کړنو کriteriya</p> <p>د وړاندې ټولګډون د پلان د تيارولو لارښوونې</p> <p>د وړاندې ټولګډون د پلان د پرمختګ د کړنو کriteriya</p> | 4 |  |
|                                                                               | 5 Network is within the tolerances stipulated in this Service Providers Code; and                                                                                               | <p>د وړاندې ټولګډون د پلان د تيارولو لارښوونې</p> <p>د وړاندې ټولګډون د پلان د پرمختګ د کړنو کriteriya</p> <p>د وړاندې ټولګډون د پلان د تيارولو لارښوونې</p> <p>د وړاندې ټولګډون د پلان د پرمختګ د کړنو کriteriya</p> | 5 |  |
|                                                                               | 6 Reach the objectives of development of the Distribution Network minimizing the global costs of such development                                                               | <p>د وړاندې ټولګډون د پلان د تيارولو لارښوونې</p> <p>د وړاندې ټولګډون د پلان د پرمختګ د کړنو کriteriya</p> <p>د وړاندې ټولګډون د پلان د تيارولو لارښوونې</p> <p>د وړاندې ټولګډون د پلان د پرمختګ د کړنو کriteriya</p> | 6 |  |
| Article 47. Preparation of the Distribution Network Development Plan          |                                                                                                                                                                                 | <p>د ټولګډون د پلان د تيارولو او د وړاندې ټولګډون د پلان د پرمختګ د کړنو کriteriya</p>                                                                                                                                |   |  |
|                                                                               | The Operator of the Distribution Network shall prepare the Distribution Network Development Plan (DNDP)of the Distribution Network in compliance with the following provisions: | <p>د وړاندې ټولګډون د پلان د تيارولو لارښوونې</p> <p>د وړاندې ټولګډون د پلان د پرمختګ د کړنو کriteriya</p> <p>د وړاندې ټولګډون د پلان د تيارولو لارښوونې</p> <p>د وړاندې ټولګډون د پلان د پرمختګ د کړنو کriteriya</p> |   |  |

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|                                                                           |                                                                                                    | 9.4                                                                                                                                                                                                                                       | Reliability studies. To evaluate the probability of outages in Distribution Network's assets and thus evaluate the frequency and duration of interruptions suffered by Customers. The parameters for reliability studies shall take into account historic outage statistics from the Distribution Network. | 9.4                                                                                                                                                                                              | مطالعات قابلیت اطمینان. برای ارزیابی احتمال قطعی شدن دارایی‌های شبکه توزیع و در نتیجه ارزیابی فرکانس و مدت زمان قطعی شدن را برای مشتریان. پارامترهای مطالعات قابلیت اطمینان باید با در نظر گرفتن آمارهای تاریخی قطعی شدن در شبکه توزیع، در نظر گرفته شود. |
|                                                                           | 10                                                                                                 | The developments planned in the DNDP shall be valued at market prices or at standard prices approved by the MEA, including the cost of engineering, the costs of procurement of the equipment and the costs of construction/installation. | 10                                                                                                                                                                                                                                                                                                         | توسعه‌های برنامه‌ریزی شده در DNDP باید با قیمت‌های بازار یا قیمت‌های استاندارد تصویب شده توسط سازمان تنظیم مقررات انرژی، شامل هزینه مهندسی، هزینه خرید تجهیزات و هزینه ساخت/نصب، ارزش‌گذاری شود. |                                                                                                                                                                                                                                                           |
| Article 48. Minimum contents of the Distribution Network Development Plan |                                                                                                    |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                            | ماده 48. حداقل محتوای برنامه توسعه شبکه توزیع                                                                                                                                                    |                                                                                                                                                                                                                                                           |
|                                                                           | The Distribution Network Development Plan (DNDP) shall include at least the following information: |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                  | مطالعات قابلیت اطمینان. برای ارزیابی احتمال قطعی شدن دارایی‌های شبکه توزیع و در نتیجه ارزیابی فرکانس و مدت زمان قطعی شدن را برای مشتریان. پارامترهای مطالعات قابلیت اطمینان باید با در نظر گرفتن آمارهای تاریخی قطعی شدن در شبکه توزیع، در نظر گرفته شود. |
|                                                                           | 1                                                                                                  | Demand forecasts for the Short Term, Medium Term, Long Term and Very Long Term used in the preparation of the DNDP;                                                                                                                       | 1                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                  | پیش‌بینی‌های تقاضا برای کوتاه مدت، میان مدت، بلند مدت و خیلی بلند مدت که در تهیه برنامه توسعه شبکه توزیع استفاده می‌شود؛                                                                                                                                  |
|                                                                           | 2                                                                                                  | Expansion, reinforcement or modification projects, individually described and detailed (scope, detailed technical characteristics, equipment involved and time required), for each month of the following one (1) calendar years;         | 2                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                  | پروژه‌های توسعه، تقویت یا تغییرات، به تفصیل و به تفکیک (دامنه، مشخصات فنی دقیق، تجهیزات درگیر و زمان مورد نیاز)، برای هر ماه از یک (1) سال تقویمی آینده؛                                                                                                  |



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## Section 2. Demand Forecast

## 2. وَسْرَ حَبْرَ: بِدَارِئِ حَقَرِئِ حَقَرِئِ حَقَرِئِ

## Article 50. Methodology for Demand Forecast

**دورگر 50** د دورگر خړامندوی یو سړی غرضه په دې بهیر کې

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## Chapter VI. Connection to the Distribution network

6 وَسِرَّهٖ. نَسْرُوعُ تَحْمُودِيَّةٌ وَدَى رَّبِّ تَحْمُودِيَّةٌ

## Section 1.Application for Connection

1 **فَاسِرٌ** : رَقْدٌ مُدَوِّنٌ

## Article 52. Types of Customers for connection application purposes

۵۲۔ اَللّٰهُمَّ صَلِّ وَسَلِّمْ عَلٰى سَيِّدِنَا مُحَمَّدٍ وَعَلٰى اٰلِهِٖ وَسَلَّمَ

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|                                                                              |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                |   |  |
|------------------------------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|--|
|                                                                              | 4 | Connection of a Consumer to the LV network.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <p>         ١. ٢. ٣. ٤. ٥. ٦. ٧. ٨. ٩. ١٠. ١١. ١٢. ١٣. ١٤. ١٥. ١٦. ١٧. ١٨. ١٩. ٢٠. ٢١. ٢٢. ٢٣. ٢٤. ٢٥. ٢٦. ٢٧. ٢٨. ٢٩. ٣٠. ٣١. ٣٢. ٣٣. ٣٤. ٣٥. ٣٦. ٣٧. ٣٨. ٣٩. ٤٠. ٤١. ٤٢. ٤٣. ٤٤. ٤٥. ٤٦. ٤٧. ٤٨. ٤٩. ٥٠. ٥١. ٥٢. ٥٣. ٥٤. ٥٥. ٥٦. ٥٧. ٥٨. ٥٩. ٦٠. ٦١. ٦٢. ٦٣. ٦٤. ٦٥. ٦٦. ٦٧. ٦٨. ٦٩. ٧٠. ٧١. ٧٢. ٧٣. ٧٤. ٧٥. ٧٦. ٧٧. ٧٨. ٧٩. ٨٠. ٨١. ٨٢. ٨٣. ٨٤. ٨٥. ٨٦. ٨٧. ٨٨. ٨٩. ٩٠. ٩١. ٩٢. ٩٣. ٩٤. ٩٥. ٩٦. ٩٧. ٩٨. ٩٩. ١٠٠.       </p> | 4 |  |
| <b>Article 53. Information requirements for connection of a new Customer</b> |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <p>         ١. ٢. ٣. ٤. ٥. ٦. ٧. ٨. ٩. ١٠. ١١. ١٢. ١٣. ١٤. ١٥. ١٦. ١٧. ١٨. ١٩. ٢٠. ٢١. ٢٢. ٢٣. ٢٤. ٢٥. ٢٦. ٢٧. ٢٨. ٢٩. ٣٠. ٣١. ٣٢. ٣٣. ٣٤. ٣٥. ٣٦. ٣٧. ٣٨. ٣٩. ٤٠. ٤١. ٤٢. ٤٣. ٤٤. ٤٥. ٤٦. ٤٧. ٤٨. ٤٩. ٥٠. ٥١. ٥٢. ٥٣. ٥٤. ٥٥. ٥٦. ٥٧. ٥٨. ٥٩. ٦٠. ٦١. ٦٢. ٦٣. ٦٤. ٦٥. ٦٦. ٦٧. ٦٨. ٦٩. ٧٠. ٧١. ٧٢. ٧٣. ٧٤. ٧٥. ٧٦. ٧٧. ٧٨. ٧٩. ٨٠. ٨١. ٨٢. ٨٣. ٨٤. ٨٥. ٨٦. ٨٧. ٨٨. ٨٩. ٩٠. ٩١. ٩٢. ٩٣. ٩٤. ٩٥. ٩٦. ٩٧. ٩٨. ٩٩. ١٠٠.       </p> |   |  |
|                                                                              | 1 | Any application for connection of a Generating Station shall be subject to the provisions set in Chapter III.                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <p>         ١. ٢. ٣. ٤. ٥. ٦. ٧. ٨. ٩. ١٠. ١١. ١٢. ١٣. ١٤. ١٥. ١٦. ١٧. ١٨. ١٩. ٢٠. ٢١. ٢٢. ٢٣. ٢٤. ٢٥. ٢٦. ٢٧. ٢٨. ٢٩. ٣٠. ٣١. ٣٢. ٣٣. ٣٤. ٣٥. ٣٦. ٣٧. ٣٨. ٣٩. ٤٠. ٤١. ٤٢. ٤٣. ٤٤. ٤٥. ٤٦. ٤٧. ٤٨. ٤٩. ٥٠. ٥١. ٥٢. ٥٣. ٥٤. ٥٥. ٥٦. ٥٧. ٥٨. ٥٩. ٦٠. ٦١. ٦٢. ٦٣. ٦٤. ٦٥. ٦٦. ٦٧. ٦٨. ٦٩. ٧٠. ٧١. ٧٢. ٧٣. ٧٤. ٧٥. ٧٦. ٧٧. ٧٨. ٧٩. ٨٠. ٨١. ٨٢. ٨٣. ٨٤. ٨٥. ٨٦. ٨٧. ٨٨. ٨٩. ٩٠. ٩١. ٩٢. ٩٣. ٩٤. ٩٥. ٩٦. ٩٧. ٩٨. ٩٩. ١٠٠.       </p> | 1 |  |
|                                                                              | 2 | Any application for connection of a Consumer to the Distribution Network shall include the information by type of application set in this Article. The information required for each application shall be obtained through two sets of information: the Initial Set of Data and the Complete Set of Data. Information collection shall be achieved by means of the Consumer, or its representative, filling in the Basic Form to start the application process and filling in the relevant Standard Form and attaching the required documents once the Connection Point has been Accepted. | <p>         ١. ٢. ٣. ٤. ٥. ٦. ٧. ٨. ٩. ١٠. ١١. ١٢. ١٣. ١٤. ١٥. ١٦. ١٧. ١٨. ١٩. ٢٠. ٢١. ٢٢. ٢٣. ٢٤. ٢٥. ٢٦. ٢٧. ٢٨. ٢٩. ٣٠. ٣١. ٣٢. ٣٣. ٣٤. ٣٥. ٣٦. ٣٧. ٣٨. ٣٩. ٤٠. ٤١. ٤٢. ٤٣. ٤٤. ٤٥. ٤٦. ٤٧. ٤٨. ٤٩. ٥٠. ٥١. ٥٢. ٥٣. ٥٤. ٥٥. ٥٦. ٥٧. ٥٨. ٥٩. ٦٠. ٦١. ٦٢. ٦٣. ٦٤. ٦٥. ٦٦. ٦٧. ٦٨. ٦٩. ٧٠. ٧١. ٧٢. ٧٣. ٧٤. ٧٥. ٧٦. ٧٧. ٧٨. ٧٩. ٨٠. ٨١. ٨٢. ٨٣. ٨٤. ٨٥. ٨٦. ٨٧. ٨٨. ٨٩. ٩٠. ٩١. ٩٢. ٩٣. ٩٤. ٩٥. ٩٦. ٩٧. ٩٨. ٩٩. ١٠٠.       </p> | 2 |  |



[illegible]







[illegible]























|  |   |     |                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                       |     |   |  |
|--|---|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|--|
|  | 2 |     | The evaluation of the Connection Point shall be based on the Initial Set of Data for Applications each type of application.                                                                                                                                                                                                                      | دېسټرېکټوډيټيښت د پيل د معلوماتو لړۍ ته بنديز لري چې د هر نوعه درخواست په اړه يې راځي.<br>خو د پيل د معلوماتو لړۍ نه وي.                                                                                                                                                              |     | 2 |  |
|  | 3 |     | The evaluation of the Connection Point shall involve at least the following analysis:                                                                                                                                                                                                                                                            | دېسټرېکټوډيټيښت د پيل د معلوماتو لړۍ ته بنديز لري چې د هر نوعه درخواست په اړه يې راځي.<br>خو د پيل د معلوماتو لړۍ نه وي.                                                                                                                                                              |     | 3 |  |
|  |   | 3.1 | Voltage levels (voltage drops and rises should be monitored by means of load flows in an electrical model of the Distribution Network to verify the voltage at the Connection Point is within tolerances set in the Service Providers Code);                                                                                                     | فولټيج کچه او بدلونونه د بار د جریان په مرسته د الېکترېکال ماډل په کارولو سره وپېژندل کېږي ترڅو د تړن د نقطې په ولټاژ کې د حد په اندولته والی وپېژندل شي.<br>دېسټرېکټوډيټيښت د پيل د معلوماتو لړۍ ته بنديز لري چې د هر نوعه درخواست په اړه يې راځي.<br>خو د پيل د معلوماتو لړۍ نه وي. | 3-1 |   |  |
|  |   | 3.2 | Line/cable and station loading under normal feeding and stand-by feeding conditions; and                                                                                                                                                                                                                                                         | موريس / کابو او ايستونيز د نورمال تغذيه او سټانډبي تغذيه حالاتو کې د بار د حملې حالت؛ او                                                                                                                                                                                              | 3-2 |   |  |
|  |   | 3.3 | Impact of short-circuit current injected to the Distribution Network;                                                                                                                                                                                                                                                                            | ناهنرمېکټوډيټيښت د تړن د نقطې ته بنديز لري چې د هر نوعه درخواست په اړه يې راځي.<br>خو د پيل د معلوماتو لړۍ نه وي.                                                                                                                                                                     | 3-3 |   |  |
|  | 4 |     | Two network scenarios must be considered to evaluate the adequacy of the Connection Point                                                                                                                                                                                                                                                        | دېسټرېکټوډيټيښت د پيل د معلوماتو لړۍ ته بنديز لري چې د هر نوعه درخواست په اړه يې راځي.<br>خو د پيل د معلوماتو لړۍ نه وي.                                                                                                                                                              |     | 4 |  |
|  |   | 4.1 | The network as it is installed and in service at the date the evaluation will be performed and the network extensions or modifications presented and approved in the most recent network development plan whose commissioning date shall not be after the commissioning date of the premises to be connected, or any of its construction phases; | د تړن د نقطې په اړه د پيل د معلوماتو لړۍ ته بنديز لري چې د هر نوعه درخواست په اړه يې راځي.<br>خو د پيل د معلوماتو لړۍ نه وي.                                                                                                                                                          | 4-1 |   |  |



|                                                                       |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                  |                                                                            |     |  |
|-----------------------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|-----|--|
|                                                                       |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                  | provisions of Section V.2 of Chapter V. The load scenario to be utilized is the most stressing for the network, that is the maximum or peak load scenario for that network; and                                                                                                                                                                  | 5.2 دایره جی.م. کانتینرهای                                                 |     |  |
|                                                                       |   | 5.2                                                                                                                                                                                                                                                                                                                                                                                                                                              | The MIC and MEC (if any) requested by the applicant for the new connection under analysis.                                                                                                                                                                                                                                                       | دایره جی.م. کانتینرهای<br>کانتینرهای دایره جی.م.<br>دایره جی.م. کانتینرهای | 5.2 |  |
|                                                                       | 6 | In case both the MIC or MEC requested by the Applicant are not higher than 50% of the nominal capacity at the Connection Point at the date of evaluation of the application, the capacity requirement shall be considered satisfied. The connection should be evaluated positively unless otherwise demonstrated by the Operator of the Distribution Network attending to security or quality of service reasons to the satisfaction of the MEA. | دایره جی.م. کانتینرهای<br>کانتینرهای دایره جی.م. کانتینرهای<br>کانتینرهای دایره جی.م. کانتینرهای<br>50% کانتینرهای<br>کانتینرهای دایره جی.م. کانتینرهای<br>کانتینرهای دایره جی.م. کانتینرهای<br>کانتینرهای دایره جی.م. کانتینرهای<br>کانتینرهای دایره جی.م. کانتینرهای<br>کانتینرهای دایره جی.م. کانتینرهای<br>کانتینرهای دایره جی.م. کانتینرهای | 6                                                                          |     |  |
| <b>Article 59. Provision of Alternatives for the Connection Point</b> |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                  | <b>ماده 59. درج کردن جایگزینی برای نقطه اتصال</b>                          |     |  |
|                                                                       | 1 | In case the evaluation of the Connection Point results in rejection of the Connection Point proposed by the applicant, the Operator of the Distribution Network shall provide the applicant at least one alternative Connection Point based on the criterion of the Least Cost Technically Acceptable solution (understood as the best solution resulting from the analysis).                                                                    |                                                                                                                                                                                                                                                                                                                                                  |                                                                            | 1   |  |
|                                                                       | 2 | The Least Cost Technically Acceptable solution is the connection solution that minimizes the overall total cost, regardless of the bearer of the cost, which at the same time fully complies with the technical requirements set in this Service Providers Code.                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                  |                                                                            | 2   |  |
|                                                                       | 3 | The analysis of candidate alternative Connection Points shall include the following criteria:                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                  |                                                                            | 3   |  |

|                                         |   |                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                        |  |  |   |  |
|-----------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|---|--|
|                                         |   | 3.1                                                                                                                                                                                                                                             | Each alternative Connection Point shall be evaluated following the provisions set in Article 58;                                                                                                                                                                                                                       |  |  |   |  |
|                                         |   | 3.2                                                                                                                                                                                                                                             | The candidate alternative Connection Points analyzed shall be prioritized by its proximity to the Connection Point proposed by the applicant and its proximity to the premises to be connected;                                                                                                                        |  |  |   |  |
|                                         |   | 3.3                                                                                                                                                                                                                                             | The analysis of the candidate alternative Connection Point shall include possible expansion or overhauling of the network assets existent or planned for the date the connection is expected to take place; and                                                                                                        |  |  |   |  |
|                                         |   | 3.4                                                                                                                                                                                                                                             | Each candidate alternative Connection Point shall be analyzed together with its associated total implementation cost, regardless of the bearer of the cost. The analysis shall be based on a list of unit costs, fees and charges to be published by the Operator of the Distribution Network and approved by the MEA. |  |  |   |  |
|                                         | 4 | In case the Connection Point proposed by the applicant is rejected and the applicant does not agree to connect to the alternative Connection Point, the Applicant shall start a new application process proposing a different Connection Point. |                                                                                                                                                                                                                                                                                                                        |  |  | 4 |  |
| <b>Article 60. Ownership boundaries</b> |   |                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                        |  |  |   |  |
|                                         | 1 | The ownership boundary is set at the point at which supply is given or taken between the Operator of the Distribution Network and the Customer's premises. Such point shall be:                                                                 |                                                                                                                                                                                                                                                                                                                        |  |  | 1 |  |

|                                                   |   |                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                           |  |     |   |  |
|---------------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|---|--|
|                                                   |   | 1.1                                                                                                                                                                                                                                                                                                                                    | In connection at MV: immediately upstream the Customer's main circuit breaker or as otherwise agreed between the Operator of the Distribution Network and the Customer;                                                                   |  | 1.1 |   |  |
|                                                   |   | 1.2                                                                                                                                                                                                                                                                                                                                    | In connection at LV: immediately downstream the metering equipment that control the import and export of electricity to the Customer's premises or as otherwise agreed between the Operator of the Distribution Network and the Customer. |  | 1.2 |   |  |
|                                                   | 2 | The ownership of the equipment installed at the Connection Point as well as the ownership of the premises shall be clearly defined in the Connection Agreement.                                                                                                                                                                        |                                                                                                                                                                                                                                           |  |     | 2 |  |
|                                                   | 3 | In the absence of a separate agreement between the parties to the contrary, construction, control, operation and maintenance responsibilities follow ownership. Nevertheless the Operator of the Distribution Network may offer subcontracting or renting services for the mentioned responsibilities in exchange for fees or charges. |                                                                                                                                                                                                                                           |  |     | 3 |  |
| <b>Article 61. Access to the Connection Point</b> |   |                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                           |  |     |   |  |
|                                                   | 1 | The owner of equipment installed at the Connection Point as per the Connection Agreement shall grant the Operator of the Distribution Network access to the mentioned equipment for control and, if so agreed, for operation and maintenance.                                                                                          |                                                                                                                                                                                                                                           |  |     | 1 |  |



|                                                                          |   |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                      |  |       |  |
|--------------------------------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------|--|
|                                                                          | 2 | The owner of the premises where the Connection Point is located shall grant access to the agent in charge of the control, operation and maintenance of the equipment installed at the Connection Point as per the Connection Agreement. |                                                                                                                                                                                                                                                                                                                      |  | 2     |  |
| <b>Section 3. Economic Aspects</b>                                       |   |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                      |  |       |  |
| <b>Article 62. Responsibilities for execution of Works and ownership</b> |   |                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                      |  |       |  |
|                                                                          | 1 | Two scenarios shall be considered with regard to the responsibility for execution of Works required for the connection of a new Customer depending on the type of applicant:                                                            |                                                                                                                                                                                                                                                                                                                      |  | 1     |  |
|                                                                          |   | 1.1                                                                                                                                                                                                                                     | Connection for Single Consumers                                                                                                                                                                                                                                                                                      |  | 1.1   |  |
|                                                                          |   | 1.1.1                                                                                                                                                                                                                                   | The Operator of the Distribution Network shall be responsible for the Works required at the voltage level of the connection down to the Connection Point and for the Works required at higher voltage levels (if any). The Operator of the Distribution Network shall keep the ownership of the assets it has built; |  | 1.1.1 |  |
|                                                                          |   | 1.1.2                                                                                                                                                                                                                                   | The applicant shall be responsible for the Works required downstream the Connection Point (including the voltage level at which the Connection Point is located and lower voltage levels). The Customer shall keep the ownership of the asset it has built;                                                          |  | 1.1.2 |  |
|                                                                          |   | 1.2                                                                                                                                                                                                                                     | Connection for Multiple Consumers to be supplied from a common Connection Point                                                                                                                                                                                                                                      |  | 1.2   |  |

|                                                   |   |                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |       |   |  |
|---------------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------|---|--|
|                                                   |   | 1.2.1                                                                                                                                                                      | The Operator of the Distribution Network shall be responsible for the Works required at the voltage level of the connection down to the Connection Point and the Works required at higher voltage levels (if any). The Operator of the Distribution Network shall keep the ownership of the assets it has built;                                                                                                                                                                                                                                                                                                                  |  | 1.2.1 |   |  |
|                                                   |   | 1.2.2                                                                                                                                                                      | The applicant shall be responsible for the Works required downstream the Connection Point (including the voltage level at which the Connection Point is located and lower voltage levels). The Customer shall transfer the ownership of the assets resulting from the Works at the same voltage level of the Connection Point, including the step-down transformer lowering the voltage level from the voltage level of the Connection Point down to the voltage level at which the Multiple Consumers are supplied. The assets resulting from the Works downstream the mentioned transformer shall remain owned by the Customer. |  | 1.2.2 |   |  |
|                                                   | 2 | The owner of the assets shall be responsible for its maintenance (maintenance works and costs), unless otherwise agreed between the parties.                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |       | 2 |  |
| Article 63. Responsibilities for payment of Works |   |                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |       |   |  |
|                                                   | 1 | Two scenarios shall be considered with regard to the responsibility for payment of Works required for the connection of a new Customer depending on the type of applicant: |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |       | 1 |  |
|                                                   |   | 1.1                                                                                                                                                                        | Connection for Single Consumers                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  | 1.1   |   |  |

|  |  |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |       |  |  |
|--|--|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------|--|--|
|  |  | 1.1.1 | The costs of the Works executed by the Operator of the Distribution Network at the voltage level of the Connection Point shall be covered by the applicant. The applicant shall pay for the total cost of the Works if the assets are exclusively dedicated to the applicant's connection or shared proportionally to the kW of Contracted Capacity of each Customer as a cost per kW of Contracted Capacity in case the assets will be shared between two (2) or more Customers. The rest of the costs of the Works executed by the Operator of the Distribution Network, other than those covered by the applicant, shall be assumed by the Operator of the Distribution Network in its regulatory costs. |  | 1.1.1 |  |  |
|  |  | 1.1.2 | The costs of the Works executed by the applicant shall be covered by the applicant.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | 1.1.2 |  |  |
|  |  | 1.2   | Connection for Multiple Consumers to be supplied from a common Connection Point<br>.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  | 1.2   |  |  |
|  |  | 1.2.1 | The costs of the Works executed by the Operator of the Distribution Network at the voltage level of the Connection Point shall be covered by the applicant. The Applicant shall pay for the total cost of the Works if the assets are exclusively dedicated to the applicant's connection or shared proportionally to the kW of Contracted Capacity of each Customer in case the assets will be shared between two (2) or more Customers. The rest of the costs of the Works executed by the Operator of                                                                                                                                                                                                    |  | 1.2.1 |  |  |

|  |   |       |                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |     |   |  |
|--|---|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|---|--|
|  |   |       | the Distribution Network, other than those covered by the applicant, shall be assumed by the Operator of the Distribution Network in its regulatory costs                                                                                                                                                                                                                                                                       |  |     |   |  |
|  |   | 1.2.2 | The costs of the Works executed by the applicant shall be covered by the applicant;                                                                                                                                                                                                                                                                                                                                             |  |     |   |  |
|  |   | 1.3   | In case the assets whose Works were executed and paid by the applicant are transferred to the Operator of the Distribution Network by the applicant's decision, they shall be transferred at no cost and the cost-bearer shall receive a cost-bearer compensation as per Point2;                                                                                                                                                |  | 1.3 |   |  |
|  | 2 |       | Cost-bearer compensation                                                                                                                                                                                                                                                                                                                                                                                                        |  |     | 2 |  |
|  |   | 2.1   | The Operator of the Distribution Network can only connect customers to Connection Points located in network assets owned by the Operator of the Distribution Network.                                                                                                                                                                                                                                                           |  | 2.1 |   |  |
|  |   | 2.2   | In case that for connecting new customers the Operator of the Distribution Network's evaluation of the connection point shows that the optimum Connection Point shall be placed in network assets owned by another Customer, the Operator of the Distribution Network shall have the right to negotiate with the owner of the assets the transfer of the ownership of those assets to the Operator of the Distribution Network. |  | 2.2 |   |  |

|                                                |  |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |       |  |  |
|------------------------------------------------|--|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------|--|--|
|                                                |  | 2.3   | The transfer of assets owned by a Customer to the Operator of the Distribution Network shall be made at no cost.                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  | 2.3   |  |  |
|                                                |  | 2.4   | If the assets whose Works were executed and paid by the applicant and transferred to the Operator of the Distribution Network are utilized to supply other Customers before five (5) years after the commissioning of the assets, then the Operator of the Distribution Network shall:                                                                                                                                                                                                                                                                                   |  | 2.4   |  |  |
|                                                |  | 2.4.1 | Charge the other Customers that will be connected to the mentioned assets a one-off charge, the Cost-Bearer Compensation Charge, in addition and at the same time as the Fixed Connection Fee and the Variable Network Fee. The Cost-Bearer Compensation Charge shall be calculated as the product of the New Replacement Value of the transferred assets that will be utilized to supply the new applicant and the share of those assets' capacity that will be utilized to supply the new Customer (other than the Customer who initially paid for the assets' Works). |  | 2.4.1 |  |  |
|                                                |  | 2.4.2 | Pay the applicant the Cost-Bearer Compensation Charges paid by all the other Customers that will be connected to the Distribution Network utilizing the assets that were transferred to the Operator of the Distribution Network.                                                                                                                                                                                                                                                                                                                                        |  | 2.4.2 |  |  |
| <b>Article 64. Connection fees calculation</b> |  |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |       |  |  |

|  |   |                                                                                                                                                                                                                                                                                                                                                                                |  |   |  |
|--|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---|--|
|  | 1 | Connection fees shall be set by the MEA every year no later than the 15th of December for the following year in accordance with the structure defined in this Service Providers Code.                                                                                                                                                                                          |  | 1 |  |
|  | 2 | All applicants shall pay the Study Fee to the Operator of the Distribution Network and send justification of its payment to the Operator of the Distribution Network attached to the Basic Form. In absence of the mentioned justification, the Operator of the Distribution Network shall not be required to start analyzing the application for connection.                  |  | 2 |  |
|  | 3 | Once the final Connection Point has been determined, accepted by the applicant among the options proposed and sent to the applicant by the Operator of the Distribution Network, the applicant shall pay the fees stated in Point 7, in its latest version updated by the MEA, depending on the new assets and network reinforcements required as per the Connection Solution. |  | 3 |  |
|  | 4 | The Study Fee shall be a fixed amount dependent on the Contracted Capacity. It shall cover the costs associated with the acceptance and processing of the application, including checking the compliance with technical requirements, the evaluation of the Connection Point and development of the connection proposal for the applicant.                                     |  | 4 |  |
|  | 5 | The Fixed Connection Fee shall be a fixed amount that shall cover the average labour cost associated to the actual connection of the applicant after completion of the Works.                                                                                                                                                                                                  |  | 5 |  |
|  | 6 | The Variable Network Fee shall be an average charge per kW of capacity required to be installed at each voltage level in new assets or reinforcing existing assets for the connection of the applicant being the Works carried out by the Operator of the Distribution Network.                                                                                                |  | 6 |  |

|  |     |                                                 |     |  |
|--|-----|-------------------------------------------------|-----|--|
|  | 7   | Connection fees shall be structured as follows: | 7   |  |
|  | 7.1 | Connection fees for connection at MV            | 7.1 |  |

**Table 9 – Connection fees for connection to the Distribution Network at MV**

|                      | 6 kV        | 11 kV        | 33 kV        |
|----------------------|-------------|--------------|--------------|
| Study Fee            | SF6 MVR     | SF11 MVR     | SF33 MVR     |
| Fixed Connection Fee | FCF6 MVR    | FCF11 MVR    | FCF33 MVR    |
| Variable Network Fee | VNF6 MVR/kW | VNF11 MVR/kW | VNF33 MVR/kW |

|  |     |                                      |     |  |
|--|-----|--------------------------------------|-----|--|
|  | 7.2 | Connection fees for connection at LV | 7.2 |  |
|--|-----|--------------------------------------|-----|--|

**Table 10 – Connection fees for connection to the Distribution Network at LV**

|                      | Contracted Capacity ≤ 11.5kW – Single Phase LV | Contracted Capacity ≤ 11.5kW – 3-Phase LV | Contracted Capacity > 11.5kW at LV |
|----------------------|------------------------------------------------|-------------------------------------------|------------------------------------|
| Study Fee            | SFLV_A MVR                                     | SFLV_B MVR                                | SFLV_C MVR                         |
| Fixed Connection Fee | FCFLV_A MVR                                    | FCFLV_B MVR                               | FCFLV_C MVR                        |
| Variable Network Fee | VNFLV_A MVR/kW                                 | VNFLV_B MVR/kW                            | VNFLV_C MVR/kW                     |

|  |     |                                                                                                                                                                                                                                                                                   |     |  |
|--|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--|
|  | 7.3 | As per Point 1, the MEA shall annually set the value of parameters SF6, SF11, SF 33, FCF6, FCF11, FCF33, VNF6, VNF11, VN 33, SFLV_A, SFLV_B, SFLV_C, FCFLV_A, FCFLV_B, FCFLV_C, VNFLV_A, VNFLV_B and VNFLV_C that represent the different connection fees for the following year. | 7,3 |  |
|--|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--|

| Article 65. Payment procedure |   |                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |     |  |
|-------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|--|
|                               | 1 | Prior to the initiation of the evaluation of the request for connection, the applicant shall pay the Operator of the Distribution Network the Study Fee set in Article64.                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | 1   |  |
|                               | 2 | Together with its answer to the application after evaluation of the Connection Point and identification of alternatives for Connection Point (if necessary) the Operator of the Distribution Network shall send the applicant:                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | 2   |  |
|                               |   | 2.1                                                                                                                                                                                                                                                                                                                                                   | A list of the Works required to be done by the applicant and the Works to be done by the Operator of the Distribution Network separately. For the Works required to be done by the Operator of the Distribution Network, the Operator of the Distribution Network shall communicate to the applicant the associated total amount to be paid by the applicant as per Article 63 and Article 64, showing separately the amount to be paid due to each concept in the aforementioned articles; and |  | 2.1 |  |
|                               |   | 2.2                                                                                                                                                                                                                                                                                                                                                   | A budget for the amount to be paid.                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  | 2.2 |  |
|                               | 3 | Prior to the initiation of Works, the Applicant shall provide the Operator of the Distribution Network a security deposit, a bank guarantee or enter into a payment arrangement for the total cost to be covered by the applicant as per Article 63 and Article 64. No connection Works shall start if the payment or arrangements are not finalized. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | 3   |  |



|                                                                      |   |                                                                                                                                                                                                                                                                                 |  |   |  |
|----------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---|--|
|                                                                      | 4 | The payment for the Works for which the applicant is responsible shall be entirely arranged by the applicant                                                                                                                                                                    |  | 4 |  |
| <b>Section 4. Connections Technical and Operational Requirements</b> |   |                                                                                                                                                                                                                                                                                 |  |   |  |
| <b>Article 66. Connection design requirements</b>                    |   |                                                                                                                                                                                                                                                                                 |  |   |  |
|                                                                      | 1 | The Customer's equipment shall be suitable for connection to the Distribution Network at the voltage level agreed with the Operator of the Distribution Network and based on the provisions of Article 58                                                                       |  | 1 |  |
|                                                                      | 2 | The Connection Point shall be controlled by a circuit breaker capable of interrupting the maximum short circuit current at the point of connection between the Distribution Network and the Customer's premises.                                                                |  | 2 |  |
|                                                                      | 3 | The protection system arrangements at the Customer's premises shall be designed, coordinated and tested to achieve the desired level of performance in fault clearance selectivity, speed and sensitivity and to minimize the impact of faults in the Distribution Network.     |  | 3 |  |
|                                                                      | 4 | The metering equipment installed for Customer's connection shall comply with the requirements stipulated in the Metering Scheme approved by the MEA.                                                                                                                            |  | 4 |  |
|                                                                      | 5 | The Customer shall provide such voltage, current, frequency, Active Power and Reactive Power pulses, outputs and status points from his System as required by the regulation and as deemed necessary by the Operator of the Distribution Network to ensure adequate monitoring. |  | 5 |  |

|                                                                                 |   |                                                                                                                                                 |                                                                                                                                                                                                    |  |  |     |  |
|---------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|-----|--|
|                                                                                 | 6 | Earthing of electric installations connected to the Distribution Network shall be implemented by any of the following:                          |                                                                                                                                                                                                    |  |  | 6   |  |
|                                                                                 |   | 6.1                                                                                                                                             | A grounding switch secured in a closed position by a lock and to which a safety tag can be affixed or by any other safety method approved by the Operator of the Distribution Network and the MEA. |  |  | 6.1 |  |
|                                                                                 |   | 6.2                                                                                                                                             | An adequate physical connection to earth (grounding rod, grounding grid, grounding cluster, and similar solutions) appropriately tagged.                                                           |  |  | 6.2 |  |
|                                                                                 |   | 6.3                                                                                                                                             | Whenever the earthing switch lock is operated with a key, such key shall be secured in a key lock.                                                                                                 |  |  | 6.3 |  |
| Article 67. SCADA equipment requirements                                        |   |                                                                                                                                                 |                                                                                                                                                                                                    |  |  |     |  |
|                                                                                 | 1 | All Generating Stations and Large Consumers shall have installed a RTU for connection to the SCADA of the Operator of the Distribution Network. |                                                                                                                                                                                                    |  |  | 1   |  |
|                                                                                 | 2 | The RTUs installation shall be done by the Operator of the Distribution Network, who shall also pay the related costs.                          |                                                                                                                                                                                                    |  |  | 2   |  |
|                                                                                 | 3 | The Customer shall grant access to the Operator of the Distribution Network to install and maintain the RTU.                                    |                                                                                                                                                                                                    |  |  | 3   |  |
| Article 68. Operating limits of equipment connected to the Distribution Network |   |                                                                                                                                                 |                                                                                                                                                                                                    |  |  |     |  |

|                                              |   |                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                       |  |     |  |
|----------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|--|
|                                              | 1 | The Customer's equipment connected to the Distribution Network shall be designed and operated to comply with the technical requirements imposed by the Service Providers Code, in particular by Section IV.1 and Section IV.2 of Chapter IV, and any other regulation in force in the Republic of Maldives. |                                                                                                                                                                                                       |  | 1   |  |
|                                              | 2 | The short-circuit rating of the Customer's equipment connected to the Distribution Network shall be not less than the design fault level of the Distribution Network at the Connection Point.                                                                                                               |                                                                                                                                                                                                       |  | 2   |  |
| <b>Article 69. Commissioning and testing</b> |   |                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                       |  |     |  |
|                                              | 1 | Prior to the commissioning date of the assets that are requested to be connected to the Distribution Network, the applicant for connection shall submit to the Operator of the Distribution Network the updated following information:                                                                      |                                                                                                                                                                                                       |  | 1   |  |
|                                              |   | 1.1                                                                                                                                                                                                                                                                                                         | Specifications of major equipment installed at the premises to be connected in case they differ from or were not included in the information submitted during the application for connection process; |  | 1.1 |  |
|                                              |   | 1.2                                                                                                                                                                                                                                                                                                         | Electrical diagrams of the applicant's equipment at the Connection Point;                                                                                                                             |  | 1.2 |  |
|                                              |   | 1.3                                                                                                                                                                                                                                                                                                         | Proposed maintenance program (in case of Generating Stations or Large Consumers);                                                                                                                     |  | 1.3 |  |
|                                              |   | 1.4                                                                                                                                                                                                                                                                                                         | Any change to the information provided during the application for connection process; and                                                                                                             |  | 1.4 |  |

|                                                  |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                    |                            |     |   |  |
|--------------------------------------------------|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|-----|---|--|
|                                                  |   | 1.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Test and commissioning procedure for the Connection Point and the Works developed by the applicant.                                                                                                                                                                                                                                                                |                            | 1.5 |   |  |
|                                                  | 2 | After carrying out the test and commissioning procedure, the applicant shall submit to the Operator of the Distribution Network a Statement of Readiness to Connect, which shall include a report describing the outcomes of the test and commissioning procedure. The Statement of Readiness to Connect shall include a Electrical Installation Certificate signed by a licensed engineer or electrician, as applicable, showing that the electrical installation meets all applicable installation standards. |                                                                                                                                                                                                                                                                                                                                                                    |                            |     | 2 |  |
|                                                  | 3 | Upon acceptance of the Statement of Readiness to Connect, the Operator of the Distribution Company shall, within ten (10) Business Days, issue a Certificate of Approval to Connect to the applicant.                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                    |                            |     | 3 |  |
|                                                  | 4 | The physical connection of the applicant’s premises to the Distribution Network shall not take place until the applicant has received the Certificate of Approval to Connect.                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                    |                            |     | 4 |  |
| Section 5. Disconnection and Reconnection        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                    | 5. فصل 5. قطع و اتصال مجدد |     |   |  |
| Article 70. Conditions to perform disconnections |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                    |                            |     |   |  |
|                                                  | 1 | The Operator of the Distribution Network may disconnect a Customer:                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                    |                            |     | 1 |  |
|                                                  |   | 1.1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | In cases of non compliance of the Customer with the relevant legislation (including situations where the Customer failed to honour required payments within the allowed delays) by means of giving the Customer five (5) Business Days’ written notice of disconnection (apart from any notice stipulated to notify non-compliance). In case the Customer fails to |                            | 1.1 |   |  |

|  |  |     |                                                                                                                                                                                                                                                                                 |  |     |  |
|--|--|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|--|
|  |  |     | comply with the notice or enters into an arrangement to comply but fails to comply with that arrangement, the Operator of the Distribution Network may immediately disconnect the Customer.                                                                                     |  |     |  |
|  |  | 1.2 | Whenever the Operator of the Distribution Network considers that the Customer's installation is in a potentially dangerous condition;                                                                                                                                           |  | 1.2 |  |
|  |  | 1.3 | For planned interruptions;                                                                                                                                                                                                                                                      |  | 1.3 |  |
|  |  | 1.4 | In case the Operator of the Distribution Network identifies that a Customer is making an inappropriate use of its connection, such as the Customer supplying electricity to a third party which the Operator of the Distribution Network considers to be a separate Customer;   |  | 1.4 |  |
|  |  | 1.5 | In case of the automatic trigger of protection equipment, such as under-frequency relays, of the Distribution Network or the Connection Point of the Customer;                                                                                                                  |  | 1.5 |  |
|  |  | 1.6 | During States of Emergency, whenever deemed necessary by the Operator of the Distribution Network;                                                                                                                                                                              |  | 1.6 |  |
|  |  | 1.7 | In any circumstances where the Operator of the Distribution Network deems necessary to comply with the Service Providers Code and/or operate the Distribution Network with good industry practice or is required by any law or regulation in force in the Republic of Maldives. |  | 1.7 |  |

|                                                        |                                                                               |                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                               |  |     |  |
|--------------------------------------------------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|--|
|                                                        | 2                                                                             | The Operator of the Distribution Network must not disconnect a Customer:                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                               |  | 2   |  |
|                                                        |                                                                               | 2.1                                                                                                                                                                                                                                                                                                                | Where the Customer or a person residing at the Customer's premises connected to the Distribution Network has advised the Operator of the Distribution Network that a person ordinarily residing at the Customer's premises is dependent on designated life support equipment; |  | 2.1 |  |
|                                                        |                                                                               | 2.2                                                                                                                                                                                                                                                                                                                | Where the Customer has made a complaint directly related to the reason for the proposed disconnection and the complaint remains unresolved;                                                                                                                                   |  | 2.2 |  |
|                                                        |                                                                               | 2.3                                                                                                                                                                                                                                                                                                                | After 6:00 p.m. in a Business Day or on weekends or public holidays, or the day before a public holiday, except in the case of planned interruptions;                                                                                                                         |  | 2.3 |  |
|                                                        | 3                                                                             |                                                                                                                                                                                                                                                                                                                    | Once a Customer has been disconnected, the Customer shall not reconnect to the Distribution Network unless the Operator of the Distribution Network instructs so.                                                                                                             |  |     |  |
| <b>Article 71. Procedure to perform disconnections</b> |                                                                               |                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                               |  |     |  |
|                                                        | Where the Operator of the Distribution Network shall perform a disconnection: |                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                               |  |     |  |
|                                                        | 1                                                                             | Except in case of State of Emergency, automatic trigger of protection equipment or where prompt discretionary decisions to disconnect were necessary under the conditions of Article 70, the Operator of the Distribution Network shall not disconnect a Customer unless the Operator of the Distribution Network: |                                                                                                                                                                                                                                                                               |  | 1   |  |

|                                                                   |                                                                                   |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                     |  |     |  |  |
|-------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----|--|--|
|                                                                   |                                                                                   | 1.1                                                                                                                                                                                                                                                            | has noticed the Customer in writing of the disconnection;                                                                                                                                                           |  | 1.1 |  |  |
|                                                                   |                                                                                   | 1.2                                                                                                                                                                                                                                                            | has allowed the Customer five (5) Business Days, since receipt of the written notice by the Customer, to remove the reasons for disconnection;                                                                      |  | 1.2 |  |  |
|                                                                   |                                                                                   | 1.3                                                                                                                                                                                                                                                            | has, at the expiration of the first five (5) Business Days, issued an additional written disconnection warning to the Customer, allowing five (5) additional Business Days to remove the reasons for disconnection; |  | 1.3 |  |  |
|                                                                   | 2                                                                                 | The Operator of the Distribution Network shall have available to the public a 24-h telephone line to inform on the nature of the disconnection and, in case of disconnection for emergency reasons, on the estimated time when supply will be restored.        |                                                                                                                                                                                                                     |  |     |  |  |
| Article 72. Procedure to reconnect a Customer after disconnection |                                                                                   |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                     |  |     |  |  |
|                                                                   | A Customer who has been disconnected by the Operator of the Distribution Network: |                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                     |  |     |  |  |
|                                                                   | 1                                                                                 | Shall be reconnected in case the cause of disconnection was attributable to the Customer and the Customer has solved the situation and has paid the required feed and charges (if any) and requested reconnection to the Operator of the Distribution Network; |                                                                                                                                                                                                                     |  |     |  |  |
|                                                                   | 2                                                                                 | Shall be reconnected in case the cause of disconnection was not attributable to the Customer and the cause of disconnection has disappeared or is no longer valid;                                                                                             |                                                                                                                                                                                                                     |  |     |  |  |

|                                                                                 |   |                                                                                                                                                                                                                                                                                                                                                                                              |                                                         |   |  |  |
|---------------------------------------------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---|--|--|
|                                                                                 | 3 | Upon reception of a valid request for reconnection, either from the Customer or his/her Retailer, the Operator of the Distribution Network shall make its best efforts to reconnect on the same Business Day if possible or, in any event, on the next Business Day.                                                                                                                         |                                                         |   |  |  |
| <b>Section 6. Maintenance Responsibilities over the Connection Installation</b> |   |                                                                                                                                                                                                                                                                                                                                                                                              | 6. قوسر ساب. گامز تاترو و برتو قوسر ساب. ساب. ساب. ساب. |   |  |  |
| <b>Article 73. Responsibility for Maintenance</b>                               |   |                                                                                                                                                                                                                                                                                                                                                                                              | 73. ساب. ساب. ساب. ساب.                                 |   |  |  |
|                                                                                 | 1 | The owner of the equipment installed at the Connection Point shall be responsible for its maintenance in good operating condition, in accordance with good industry practice and in a manner that shall not pose a threat to the safety of any personnel or cause damage to the equipment of the Operator of the Distribution Network or the Customer;                                       |                                                         | 1 |  |  |
|                                                                                 | 2 | Where the agent responsible for the maintenance of the equipment at the Connection Point is other than the Operator of the Distribution Network, the former can enter into a renting or subcontracting agreement with the Operator of the Distribution Network for the latter to take in charge the responsibility for maintenance of the equipment, including or not transfer of ownership. |                                                         | 2 |  |  |
|                                                                                 | 3 | The Operator of the Distribution Network and the Customer shall keep a log containing the test results and maintenance records relating to the equipment they own at the Connection Point and shall make it available when requested by the Customer of the Operator of the Distribution Network, respectively.                                                                              |                                                         | 3 |  |  |
| <b>Article 74. Allocation of costs in case of incident</b>                      |   |                                                                                                                                                                                                                                                                                                                                                                                              |                                                         |   |  |  |







|                                             |   |       |                                                                                                                                                                                                                                                   |                                                                                                                                                                            |       |   |  |
|---------------------------------------------|---|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---|--|
|                                             | 2 |       | Bills shall be sent to the Customer no later than five (5) days after the end of the Billing Period.                                                                                                                                              | <p>دس سريو مسوؤسي سريو</p> <p>(5) قروزي عيادي ريتريو</p> <p>عقو قريو سريو سريو قريو سريو سريو</p>                                                                          |       | 2 |  |
|                                             | 3 |       | The MEA shall determine what the exemptions to the required periodicity are and what estimation methodology is to be applied for bills that are issued on estimated consumption.                                                                  | <p>د ريتريو سريو سريو سريو</p> <p>قريو سريو سريو سريو سريو</p> <p>د ريتريو سريو سريو سريو سريو</p> <p>د ريتريو سريو سريو سريو سريو</p> <p>د ريتريو سريو سريو سريو سريو</p> |       | 3 |  |
| <b>Article 77. Error resolution process</b> |   |       |                                                                                                                                                                                                                                                   | <p>د ريتريو 77. د سريو سريو سريو سريو سريو</p>                                                                                                                             |       |   |  |
|                                             | 1 |       | Whenever a potential error in the Bills is identified (either through Claims from Customers, through the Retailer itself or through the Operator of the Distribution Network), the Retailer shall immediately start the error resolution process; | <p>د سريو سريو سريو سريو سريو</p> <p>د سريو سريو سريو سريو سريو</p> <p>د سريو سريو سريو سريو سريو</p> <p>د سريو سريو سريو سريو سريو</p> <p>د سريو سريو سريو سريو سريو</p>  |       | 1 |  |
|                                             | 2 |       | During the error resolution process the Retailer shall go through the following steps until the error impact and its origin are clearly identified:                                                                                               | <p>د سريو سريو سريو سريو سريو</p> <p>د سريو سريو سريو سريو سريو</p> <p>د سريو سريو سريو سريو سريو</p> <p>د سريو سريو سريو سريو سريو</p> <p>د سريو سريو سريو سريو سريو</p>  |       | 2 |  |
|                                             |   | 2.1   | Compare the amount of energy, the peak power, the capacity and the money reflected in the bill object of the error resolution process with the energy and capacity billed:                                                                        | <p>د سريو سريو سريو سريو سريو</p> <p>د سريو سريو سريو سريو سريو</p> <p>د سريو سريو سريو سريو سريو</p> <p>د سريو سريو سريو سريو سريو</p>                                    | 2.1   |   |  |
|                                             |   | 2.1.1 | In the previous bill;                                                                                                                                                                                                                             | د سريو سريو سريو سريو سريو                                                                                                                                                 | 2.1.1 |   |  |
|                                             |   | 2.1.2 | In the bill for the same Billing Period the past year;                                                                                                                                                                                            | د سريو سريو سريو سريو سريو                                                                                                                                                 | 2.1.2 |   |  |
|                                             |   | 2.1.3 | In average during the last twelve (12) months;                                                                                                                                                                                                    | د سريو سريو سريو سريو سريو                                                                                                                                                 | 2.1.3 |   |  |
|                                             |   | 2.2   | Check that the tariff applied is correct;                                                                                                                                                                                                         | د سريو سريو سريو سريو سريو                                                                                                                                                 | 2.2   |   |  |

[illegible]





|                                                                                                                |   |     |                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                     |     |  |  |
|----------------------------------------------------------------------------------------------------------------|---|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--|--|
|                                                                                                                |   | v   | DR_Ci = Date claim Ci was received in valid format by the Service Provider.                                                                                                                                                    | <p> <math>DR_{Ci}</math> = Date claim Ci was received in valid format by the Service Provider. </p>                                                                                                                                                 |     |  |  |
|                                                                                                                |   | 1.2 | Meter Reading Errors Rate (MRER). Number of erroneous meter readings performed by the Operator of the Distribution Network identified over the total number of meter readings performed during the monitoring period.          | <p>             Meter Reading Errors Rate (MRER). Number of erroneous meter readings performed by the Operator of the Distribution Network identified over the total number of meter readings performed during the monitoring period. </p>          | 1.2 |  |  |
| <div> <div> <math display="block">MRER(\%) = \frac{NMRE}{NMR} \cdot 100</math> </div> <div>Where,</div> </div> |   |     |                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                     |     |  |  |
|                                                                                                                |   | i   | NMR = Total number of meter readings performed during the period of analysis.                                                                                                                                                  | <p>             NMR = Total number of meter readings performed during the period of analysis. </p>                                                                                                                                                  |     |  |  |
|                                                                                                                |   | ii  | NMRE = Total number of erroneous meter readings performed during the period of analysis.                                                                                                                                       | <p>             NMRE = Total number of erroneous meter readings performed during the period of analysis. </p>                                                                                                                                       |     |  |  |
|                                                                                                                | 2 |     | The quality of the customer service provided by a Retailer shall be measured through the following performance indicators:                                                                                                     | <p>             The quality of the customer service provided by a Retailer shall be measured through the following performance indicators: </p>                                                                                                     | 2   |  |  |
|                                                                                                                |   | 2.1 | Mean Time to Answer Customer Claims (MTACC). Average time in hours employed by the Retailer to issue an answer to a Claim correctly presented by a Customer over the total valid Claims received during the monitoring period. | <p>             Mean Time to Answer Customer Claims (MTACC). Average time in hours employed by the Retailer to issue an answer to a Claim correctly presented by a Customer over the total valid Claims received during the monitoring period. </p> | 2.1 |  |  |

|               |  |     |                                                                                                                                                                                           |                                                                                                                                                                                                                                        |  |  |  |
|---------------|--|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
|               |  |     |                                                                                                                                                                                           | <p> <math display="block">MTACC(hours) = \frac{\sum_{i=1}^{NC} BD(DA_{C_i} - DR_{C_i})}{NC}</math> </p>                                                                                                                                |  |  |  |
| <p>Where,</p> |  |     |                                                                                                                                                                                           |                                                                                                                                                                                                                                        |  |  |  |
|               |  | i   | NC = Total number of complaints answered during the period of analysis.                                                                                                                   | <p> <math display="block">NC = \text{Total number of complaints answered during the period of analysis.}</math> </p>                                                                                                                   |  |  |  |
|               |  | ii  | i = index (natural number) going from 1 up to NC.                                                                                                                                         | <p> <math display="block">i = \text{index (natural number) going from 1 up to NC.}</math> </p>                                                                                                                                         |  |  |  |
|               |  | iii | BD(b-a): function that calculates the number of Business Days between dates "a" and "b". Events taking place after 2 p.m. will be considered as if they took place the next Business Day. | <p> <math display="block">BD(b-a): \text{function that calculates the number of Business Days between dates "a" and "b". Events taking place after 2 p.m. will be considered as if they took place the next Business Day.}</math> </p> |  |  |  |
|               |  | iv  | DA_Ci = Date the answer to claim Ci was sent in valid format by the Service Provider.                                                                                                     | <p> <math display="block">DA_{C_i} = \text{Date the answer to claim } C_i \text{ was sent in valid format by the Service Provider.}</math> </p>                                                                                        |  |  |  |
|               |  | v   | DR_Ci = Date claim Ci was received in valid format by the Service Provider                                                                                                                | <p> <math display="block">DR_{C_i} = \text{Date claim } C_i \text{ was received in valid format by the Service Provider}</math> </p>                                                                                                   |  |  |  |
|               |  | 2.2 | Customer Complaints for Billing reasons (BEC). Number of erroneous bills issued by the Retailer over the total number of bills issued to Customers during the monitoring period.          | <p> <math display="block">\text{Customer Complaints for Billing reasons (BEC). Number of erroneous bills issued by the Retailer over the total number of bills issued to Customers during the monitoring period.}</math> </p>          |  |  |  |



|                                                                                      |   |                                                                                                                                                                                      |                                                                                                                                                     |                                                                                                                                                           |   |  |  |
|--------------------------------------------------------------------------------------|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---|--|--|
|                                                                                      |   |                                                                                                                                                                                      |                                                                                                                                                     | بهره‌بردار                                                                                                                                                |   |  |  |
| $BEC = \frac{\sum_{m=1}^N K_m}{\frac{\sum_{m=1}^N Customers_m}{N}}$ <p>Where,</p>    |   |                                                                                                                                                                                      |                                                                                                                                                     |                                                                                                                                                           |   |  |  |
|                                                                                      |   | i                                                                                                                                                                                    | Km: Number of complaints for billing errors in month "m".                                                                                           | تا ۱۲: شماره شکایات مربوط به خطاهای صورتحساب در ماه "م"                                                                                                   |   |  |  |
|                                                                                      |   | ii                                                                                                                                                                                   | Customersm: Total number of customers in month "m".                                                                                                 | نمایندگان: مجموع مشتریان در ماه "م"                                                                                                                       |   |  |  |
|                                                                                      |   | iii                                                                                                                                                                                  | m = month of analysis.                                                                                                                              | ماه = دوره مورد بررسی                                                                                                                                     |   |  |  |
|                                                                                      |   | iv                                                                                                                                                                                   | N = 1 to 12, where '12' represents the annual indicator value and the rest represent intermediate values (monthly, for N=1, and quarterly, for N=3) | ۱ تا ۱۲، که ۱۲ نمایانگر ارزش شاخص سالانه و بقیه نمایانگر ارزش‌های میانی (ماهانه، برای N=1، و فصلی، برای N=3)                                              |   |  |  |
| <b>Article 79. Acceptable values for performance indicators for customer service</b> |   |                                                                                                                                                                                      |                                                                                                                                                     | <b>ماده ۷۹. محدوده‌های قابل‌قبول برای شاخص‌های عملکرد خدمات به مشتریان</b>                                                                                |   |  |  |
|                                                                                      | 1 | Every Operator of a Distribution Network shall make all reasonable endeavours to ensure that its customer service performance indicators are within the following acceptable ranges: |                                                                                                                                                     | بهره‌بردار شبکه توزیع باید تمام تلاش‌های معقول را برای اطمینان از آن انجام دهد که شاخص‌های عملکرد خدمات به مشتریان در محدوده‌های قابل‌قبول زیر قرار گیرد: | 1 |  |  |







|  |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                        |     |  |  |
|--|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------|-----|--|--|
|  |     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | <p> <span> <span> </span> </span> </p> |     |  |  |
|  | 2   | The Operator of a Distribution Network and the Retailers shall comply with the following requirements for the management of Claims:                                                                                                                                                                                                                                                                                                                                                                                |  | <p> <span> <span> </span> </span> </p> | 2   |  |  |
|  | 2.1 | In case the information presented by the Customer or his representative in the Claim does not comply with the requirements set in Article 82, the Service Provider who received the Claim shall inform and instruct the Customer in less than forty eight (48) hours to present a new corrected Claim; in case the Claim was presented in person the Service Provider who received the Claim shall inform and instruct the Customer to make any necessary correction in situ during the presentation of the Claim. |  | <p> <span> <span> </span> </span> </p> | 2.1 |  |  |
|  | 2.2 | Any Claim that complies with the requirements of Article 82 shall be considered valid.                                                                                                                                                                                                                                                                                                                                                                                                                             |  | <p> <span> <span> </span> </span> </p> | 2.2 |  |  |

[illegible]



|  |     |                                                                                                                                                  |                                                                                                                                                                                                                                         |     |  |
|--|-----|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--|
|  | 1   | Customers shall have the possibility to present Claims or Enquiries to the Operator of the Distribution Network of the Retailer:                 | دړسټور د دېټوليزې شبکې د کارکوونکو په لاس کې رسېدو ته چانس لري چې د شكاويو يا پوښتنو په اړه د دېټوليزې شبکې د کارکوونکو ته د پاملرنې وړاندېز وکړي.                                                                                      | 1   |  |
|  | 1.1 | In person, filling in a template document for Claims that shall be provided by the Service Provider and must be made publicly available;         | شخصي توګه، د شكاويو په تړلې شوي قالب کې د معلوماتو په پرېکړه کولو، چې د دېټوليزې شبکې د کارکوونکو لخوا د پاملرنې وړاندېز کېږي.                                                                                                          | 1.1 |  |
|  | 1.2 | Verbally, either at the Service Provider's offices or by telephone;                                                                              | د ژبې په کارولو، چېرته چې د دېټوليزې شبکې د کارکوونکو د دفتر يا د تېلېفون له لارې.                                                                                                                                                      | 1.2 |  |
|  | 1.3 | Through the Service Provider's website by filling in a template form prepared by the Service Provider;                                           | د دېټوليزې شبکې د کارکوونکو په وېب پاڼه کې د معلوماتو په پرېکړه کولو، چې د دېټوليزې شبکې د کارکوونکو لخوا د پاملرنې وړاندېز کېږي.                                                                                                       | 1.3 |  |
|  | 1.4 | By e-mail;                                                                                                                                       | په الېکټرونکي پوښتنو کې.                                                                                                                                                                                                                | 1.4 |  |
|  | 1.5 | By Fax;                                                                                                                                          | د فاکس په لار کې.                                                                                                                                                                                                                       | 1.5 |  |
|  | 2   | The Customer, if necessary with help from the Service Provider's personnel, shall fill in at least the following information to present a Claim: | د شكاويو په تړلې شوي قالب کې د معلوماتو په پرېکړه کولو، چې د دېټوليزې شبکې د کارکوونکو لخوا د پاملرنې وړاندېز کېږي. د شكاويو په تړلې شوي قالب کې د معلوماتو په پرېکړه کولو، چې د دېټوليزې شبکې د کارکوونکو لخوا د پاملرنې وړاندېز کېږي. | 2   |  |
|  | 2.1 | Correlative number of the Claims (in case several Claims are presented);                                                                         | د شكاويو د شمېرې د نېټې (چې د شكاويو په تړلې شوي قالب کې د معلوماتو په پرېکړه کولو، چې د دېټوليزې شبکې د کارکوونکو لخوا د پاملرنې وړاندېز کېږي).                                                                                        | 2.1 |  |
|  | 2.2 | Full name of the Customer;                                                                                                                       | د شكاويو په تړلې شوي قالب کې د معلوماتو په پرېکړه کولو، چې د دېټوليزې شبکې د کارکوونکو لخوا د پاملرنې وړاندېز کېږي.                                                                                                                     | 2.2 |  |
|  | 2.3 | Identification number assigned by the Service Provider to the Customer;                                                                          | د شكاويو په تړلې شوي قالب کې د معلوماتو په پرېکړه کولو، چې د دېټوليزې شبکې د کارکوونکو لخوا د پاملرنې وړاندېز کېږي.                                                                                                                     | 2.3 |  |
|  | 2.4 | Identification number of the meter for the Customer;                                                                                             | د شكاويو په تړلې شوي قالب کې د معلوماتو په پرېکړه کولو، چې د دېټوليزې شبکې د کارکوونکو لخوا د پاملرنې وړاندېز کېږي.                                                                                                                     | 2.4 |  |







|  |  |      |                                                                        |                                                                                                                                              |      |  |  |
|--|--|------|------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|------|--|--|
|  |  | 4.10 | Topic of the Enquiry;                                                  | <p>رەزىدەنتىڭىزنىڭ تەلپىنىڭ نىسبەتەن<br/> دەرىجىسىنىڭ سەۋىيەسىنىڭ<br/> زىددىيەتلىك ۋە تەلپىنىڭ سەۋىيەسىنىڭ<br/> ئەھمىيەتلىك سەۋىيەسىنىڭ؛</p> | 4-10 |  |  |
|  |  | 4.11 | Clear and detailed descriptions of what the Customer wants to enquire; | <p>رەزىدەنتىڭىزنىڭ تەلپىنىڭ نىسبەتەن<br/> تەلپىنىڭ دەرىجىسىنىڭ سەۋىيەسىنىڭ<br/> مەۋزۇسىنىڭ ھەممەتلىك سەۋىيەسىنىڭ؛</p>                        | 4-11 |  |  |
|  |  | 4.12 | Date the Enquiry was prepared.                                         | <p>دەرىجىسىنىڭ رەزىدەنتىڭىزنىڭ تەلپىنىڭ<br/> مەۋزۇسىنىڭ سەۋىيەسىنىڭ؛</p>                                                                     | 4-12 |  |  |

|                                                        |                                                         |
|--------------------------------------------------------|---------------------------------------------------------|
| <h2 style="color: #0056b3;">Chapter VIII disputes</h2> | <h2 style="color: #0056b3;">8. نىزۇمىزنىڭ قۇرۇلۇشى</h2> |
|--------------------------------------------------------|---------------------------------------------------------|

|                                                                           |                                                                                                         |
|---------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| <h3 style="color: #0056b3;">Article 83. Dispute Resolution Mechanism</h3> | <h3 style="color: #0056b3;">83-ئىنقىلاۋىي (1) نىزۇمىزنىڭ قۇرۇلۇشى بىرلىكلىشىش مەسلىھەتلىك قۇرۇلۇشى</h3> |
|---------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|

|  |     |                                                                                                                                                                                             |                                                                                                                                                                                                                                           |     |  |  |
|--|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--|--|
|  | 1   | Where a dispute arises and it is not informally solved, at least one of the parties shall, if so desired, file a formal complaint to the MEA and to the other parties involved, in writing. | <p>ئەگەر بىر نىزۇمىز پەيدا بولسا ۋە ئۇ ئىنقىلاۋىي يول بىلەن<br/> ئىشلىتىش بىلەن سەۋىيەسىنىڭ سەۋىيەسىنىڭ<br/> ئەھمىيەتلىك ۋە تەلپىنىڭ سەۋىيەسىنىڭ<br/> مەۋزۇسىنىڭ ھەممەتلىك سەۋىيەسىنىڭ<br/> مەۋزۇسىنىڭ ھەممەتلىك سەۋىيەسىنىڭ؛</p>         | 1   |  |  |
|  | 2   | The parties shall meet at common agreed date and place to attempt to resolve the dispute with presence of the MEA.                                                                          | <p>نىزۇمىز پەيدا بولسا ۋە ئۇ ئىنقىلاۋىي يول بىلەن<br/> ئىشلىتىش بىلەن سەۋىيەسىنىڭ سەۋىيەسىنىڭ<br/> ئەھمىيەتلىك ۋە تەلپىنىڭ سەۋىيەسىنىڭ<br/> مەۋزۇسىنىڭ ھەممەتلىك سەۋىيەسىنىڭ<br/> مەۋزۇسىنىڭ ھەممەتلىك سەۋىيەسىنىڭ؛</p>                   | 2   |  |  |
|  | 2.1 | If resolved, the resolution shall be documented and a written record shall be provided to all parties and to the MEA.                                                                       | <p>دەرىجىسىنىڭ رەزىدەنتىڭىزنىڭ تەلپىنىڭ<br/> دەرىجىسىنىڭ رەزىدەنتىڭىزنىڭ تەلپىنىڭ<br/> سەۋىيەسىنىڭ سەۋىيەسىنىڭ<br/> دەرىجىسىنىڭ رەزىدەنتىڭىزنىڭ تەلپىنىڭ<br/> مەۋزۇسىنىڭ ھەممەتلىك سەۋىيەسىنىڭ<br/> مەۋزۇسىنىڭ ھەممەتلىك سەۋىيەسىنىڭ؛</p> | 2-1 |  |  |
|  | 2.2 | If not resolved, the MEA shall study the case and issue a resolution that shall be implemented.                                                                                             | <p>دەرىجىسىنىڭ رەزىدەنتىڭىزنىڭ تەلپىنىڭ<br/> دەرىجىسىنىڭ رەزىدەنتىڭىزنىڭ تەلپىنىڭ<br/> سەۋىيەسىنىڭ سەۋىيەسىنىڭ<br/> دەرىجىسىنىڭ رەزىدەنتىڭىزنىڭ تەلپىنىڭ<br/> مەۋزۇسىنىڭ ھەممەتلىك سەۋىيەسىنىڭ<br/> مەۋزۇسىنىڭ ھەممەتلىك سەۋىيەسىنىڭ؛</p> | 2-2 |  |  |



|  |  |       |                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                               |       |  |  |
|--|--|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|--|--|
|  |  |       | has been filed but it has information on possible Service Providers Code violations.                                                                                                                                                                        | <p>رەسەنلەش ئارقىلىق تەقدىم قىلىنغان</p> <p>مەلۇماتقا ئاساسەن مەمۇرىي تەتقىقات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p>                                                                                          |       |  |  |
|  |  | 1.2   | The steps of the enforcement process are as follows:                                                                                                                                                                                                        | <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p>                                                                                                                                                                                                                                                                                                              | 1.2   |  |  |
|  |  | 1.2.1 | The MEA shall send, in writing, a notice to the offending party with the specifics of the alleged violation of the Service Providers Code and the recommended course of action needed to correct the alleged violation;                                     | <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> | 1.2.1 |  |  |
|  |  | 1.2.2 | The offending party shall respond in writing, within twenty (20) Business Days from receipt of the notice from the MEA, its reaction to the alleged violation and to state whether or not it shall comply with the course of action recommended by the MEA; | <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> | 1.2.2 |  |  |
|  |  | 1.2.3 | If the MEA is satisfied with the response, the enforcement process shall end and the MEA shall monitor adequate implementation of the course of action agreed;                                                                                              | <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> <p>مەمۇرىي تەتقىقات نەتىجىسىدە مەلۇمات</p> | 1.2.3 |  |  |









# Chapter IX. Transitional Provisions

## Article 85. Implementation of accepted value ranges

|  |   |                                                                                                                                     |                  |  |   |  |
|--|---|-------------------------------------------------------------------------------------------------------------------------------------|------------------|--|---|--|
|  | 1 | The MEA shall be responsible for the calculation of the accepted ranges by setting the values for each of the following parameters: |                  |  | 1 |  |
|  |   | 1.1                                                                                                                                 | Fees parameters: |  |   |  |
|  |   | 1.1.1                                                                                                                               | SF6;             |  |   |  |
|  |   | 1.1.2                                                                                                                               | SF11;            |  |   |  |
|  |   | 1.1.3                                                                                                                               | SF33;            |  |   |  |
|  |   | 1.1.4                                                                                                                               | FCF6;            |  |   |  |
|  |   | 1.1.5                                                                                                                               | FCF11;           |  |   |  |
|  |   | 1.1.6                                                                                                                               | FCF33;           |  |   |  |
|  |   | 1.1.7                                                                                                                               | VNF6;            |  |   |  |
|  |   | 1.1.8                                                                                                                               | VNF11;           |  |   |  |
|  |   | 1.1.9                                                                                                                               | VNF33;           |  |   |  |
|  |   | 1.1.10                                                                                                                              | SFLV_A;          |  |   |  |
|  |   | 1.1.11                                                                                                                              | SFLV_B;          |  |   |  |

|  |  |            |                       |  |  |  |
|--|--|------------|-----------------------|--|--|--|
|  |  | 1.1.1<br>2 | SFLV_C;               |  |  |  |
|  |  | 1.1.1<br>3 | FCFLV_A;              |  |  |  |
|  |  | 1.1.1<br>4 | FCFLV_B;              |  |  |  |
|  |  | 1.1.1<br>5 | FCFLV_C;              |  |  |  |
|  |  | 1.1.1<br>6 | VNFLV_A;              |  |  |  |
|  |  | 1.1.1<br>7 | VNFLV_B;              |  |  |  |
|  |  | 1.1.1<br>8 | VNFLV_C;              |  |  |  |
|  |  | 1.2        | Infraction penalties: |  |  |  |
|  |  | 1.2.1      | MIN_I1;               |  |  |  |
|  |  | 1.2.2      | MAX_I1;               |  |  |  |
|  |  | 1.2.3      | MIN_I2;<br>.          |  |  |  |
|  |  | 1.2.4      | MAX_I2;               |  |  |  |
|  |  | 1.2.5      | MIN_I3;               |  |  |  |

|  |   |                                                                                                                                                                                                                                                                                                                                |                      |  |  |  |
|--|---|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--|--|--|
|  |   | 1.2.6                                                                                                                                                                                                                                                                                                                          | MAX_I3;              |  |  |  |
|  |   | 1.2.7                                                                                                                                                                                                                                                                                                                          | MIN_I4;              |  |  |  |
|  |   | 1.2.8                                                                                                                                                                                                                                                                                                                          | MAX_I4;              |  |  |  |
|  |   | 1.2.9                                                                                                                                                                                                                                                                                                                          | MIN_I5; and          |  |  |  |
|  |   | 1.2.10                                                                                                                                                                                                                                                                                                                         | MAX_I5               |  |  |  |
|  | 2 | The frequency and voltage accepted ranges shall be defined after the first network development plan where the costs for the adaptation of the existing system and the associated impacts are evaluated.                                                                                                                        |                      |  |  |  |
|  | 3 | Non voltage or frequency parameters shall be defined at the latest at the same time as voltage and frequency parameters.                                                                                                                                                                                                       |                      |  |  |  |
|  | 4 | Value of parameters shall be set by the MEA after holding a consultation process with Service Providers. The MEA shall take into account Service Providers feedback, arguments and suggestions in the selection of the value of each parameter but those shall not be binding and the final decision shall be made by the MEA. |                      |  |  |  |
|  | 5 | The MEA shall determine on a yearly basis, starting during the transition period, the maximum accepted values for each performance indicator, including:                                                                                                                                                                       |                      |  |  |  |
|  |   | 5.1                                                                                                                                                                                                                                                                                                                            | Total Energy Losses; |  |  |  |
|  |   | 5.2                                                                                                                                                                                                                                                                                                                            | MII;                 |  |  |  |
|  |   | 5.3                                                                                                                                                                                                                                                                                                                            | QII; and             |  |  |  |

|  |   |                                                                                                                                                                                                                                                                                                                                                                                                                            |                      |  |  |   |  |
|--|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--|--|---|--|
|  |   | 5.4                                                                                                                                                                                                                                                                                                                                                                                                                        | All.                 |  |  |   |  |
|  | 6 | The MEA shall publish an official resolution enforcing the value of each of the aforementioned parameters.                                                                                                                                                                                                                                                                                                                 |                      |  |  |   |  |
|  | 7 | The enforcement of the minimum and/or maximum accepted values for each of the following parameters shall be limited to their use for informative and monitoring purposes and shall not lead to any type of penalty to the Service Provider for the first three (3) years after the entry into force of this Service Providers Code:                                                                                        |                      |  |  |   |  |
|  |   | 7.1                                                                                                                                                                                                                                                                                                                                                                                                                        | Voltage levels;      |  |  |   |  |
|  |   | 7.2                                                                                                                                                                                                                                                                                                                                                                                                                        | Voltage unbalances;  |  |  |   |  |
|  |   | 7.3                                                                                                                                                                                                                                                                                                                                                                                                                        | Frequency levels;    |  |  |   |  |
|  |   | 7.4                                                                                                                                                                                                                                                                                                                                                                                                                        | Harmonic distortion; |  |  |   |  |
|  |   | 7.5                                                                                                                                                                                                                                                                                                                                                                                                                        | Flicker levels; and  |  |  |   |  |
|  |   | 7.6                                                                                                                                                                                                                                                                                                                                                                                                                        | Power factors        |  |  |   |  |
|  | 8 | The enforcement of the minimum and/or maximum accepted values for any parameter other than those listed in Point 7 of this Article, except for infraction penalties set in Chapter VIII, shall be limited to their use for informative and monitoring purposes and shall not lead to any type of penalty to the Service Provider for the first year (12 months) after the entry into force of this Service Providers Code. |                      |  |  | 8 |  |

|                                                                               |   |                                                                                                                                                                                                                                                                                                                                                                                       |  |   |  |
|-------------------------------------------------------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---|--|
|                                                                               | 9 | The enforcement of infraction penalties set in Chapter VIII shall be full and complete immediately after the entry into force of this Service Providers Code.                                                                                                                                                                                                                         |  | 9 |  |
| <b>Article 86. Transition period for obtaining a Service Provider License</b> |   |                                                                                                                                                                                                                                                                                                                                                                                       |  |   |  |
|                                                                               | 1 | The agents present in the Republic of Maldives that are already developing any of the activities that require a Service Provider License according to this Service Providers Code shall have the right to continue developing such activities without the required Service Provider License for the first year (12 months) after the entry into force of this Service Providers Code. |  | 1 |  |
|                                                                               | 2 | The Service Provider shall initiate the procedure to obtain the Service Provider License as soon as possible and not incur into unjustified delays in the preparation and follow up of its application for license, keeping active, responsive and fast interaction with the MEA to obtain the mentioned Service Provider License.                                                    |  | 2 |  |
| <b>Appendices</b>                                                             |   |                                                                                                                                                                                                                                                                                                                                                                                       |  |   |  |
| <b>Appendix A – Basic Form Connection of Consumers</b>                        |   |                                                                                                                                                                                                                                                                                                                                                                                       |  |   |  |
| <b>Form Table 1 : General data</b>                                            |   |                                                                                                                                                                                                                                                                                                                                                                                       |  |   |  |
| <b>I. Applicant’s Data</b>                                                    |   |                                                                                                                                                                                                                                                                                                                                                                                       |  |   |  |
| 1.Full Name of Applicant                                                      |   |                                                                                                                                                                                                                                                                                                                                                                                       |  |   |  |

|                                                                                    |                 |                                                                                                                                                                                                                                                                                                                                                                                           |  |
|------------------------------------------------------------------------------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 2. Company Name (if any)                                                           |                 |                                                                                                                                                                                                                                                                                                                                                                                           |  |
| 3. ID of the Applicant                                                             |                 |                                                                                                                                                                                                                                                                                                                                                                                           |  |
| 4. Address of the Applicant                                                        |                 |                                                                                                                                                                                                                                                                                                                                                                                           |  |
| 6. Contact phone number                                                            |                 |                                                                                                                                                                                                                                                                                                                                                                                           |  |
| 7. Contact fax number                                                              |                 |                                                                                                                                                                                                                                                                                                                                                                                           |  |
| 8. Contact e-mail address                                                          |                 |                                                                                                                                                                                                                                                                                                                                                                                           |  |
| <b>II. Location Data</b>                                                           |                 |                                                                                                                                                                                                                                                                                                                                                                                           |  |
| 1. Project Name (if any)                                                           |                 |                                                                                                                                                                                                                                                                                                                                                                                           |  |
| 2. Address of the premises to be connected                                         |                 |                                                                                                                                                                                                                                                                                                                                                                                           |  |
| 3. Proposed Connection Point                                                       |                 |                                                                                                                                                                                                                                                                                                                                                                                           |  |
| a.                                                                                 | Voltage Level   |                                                                                                                                                                                                                                                                                                                                                                                           |  |
| b.                                                                                 | Address         |                                                                                                                                                                                                                                                                                                                                                                                           |  |
| c.                                                                                 | GPS coordinates |                                                                                                                                                                                                                                                                                                                                                                                           |  |
| <b>III. Connection's Timing</b>                                                    |                 |                                                                                                                                                                                                                                                                                                                                                                                           |  |
| 1. Completion Date desired for connection to the Distribution Network <sup>1</sup> |                 |                                                                                                                                                                                                                                                                                                                                                                                           |  |
| <b>IV. Load Data</b>                                                               |                 |                                                                                                                                                                                                                                                                                                                                                                                           |  |
| Maximum Import Capacity (kW) <sup>2</sup>                                          |                 |                                                                                                                                                                                                                                                                                                                                                                                           |  |
| Expected Power Factor                                                              |                 |                                                                                                                                                                                                                                                                                                                                                                                           |  |
| Connection Mode for LV connection Applicants (please indicate with an X)           |                 | Single Phase<br>[ ] // Three<br>Phase [ ]                                                                                                                                                                                                                                                                                                                                                 |  |
| Diversity Factor , for non-residential Applicant connected to MV or 3-phases at LV |                 |                                                                                                                                                                                                                                                                                                                                                                                           |  |
| Characteristics of the load                                                        |                 | <i>In case of applying for connection to MV please fill in Form Table 2 for each of the loads that will be connected to the Distribution Network and fill in the related table for large motors, welders, transformers and rectifiers and inverter in Form Table 4 and Form Table 5.</i><br><i>In case of applying for connection to LV please fill in Form Table 3 and Form Table 5.</i> |  |

<sup>1</sup> In case the new connection is intended to supply premises whose construction will evolve through different stages, please state the dates and load requirements for connection of each stage.

<sup>2</sup> The Applicant commits to declare a value for the Maximum Import Capacity requested that is reasonable and adjusted to the actual use that it will make of such Capacity in the future.

**Form Table 2: Loads installed at the premises for connections to MV**

| Load Number | Type of Load | Rated kW | Fault level contribution (kA) <sup>3</sup> , if any |     |     |
|-------------|--------------|----------|-----------------------------------------------------|-----|-----|
|             |              |          | (a)                                                 | (b) | (c) |
| 1           |              |          |                                                     |     |     |
| 2           |              |          |                                                     |     |     |
| 3           |              |          |                                                     |     |     |
| 4           |              |          |                                                     |     |     |
| 5           |              |          |                                                     |     |     |
| 6           |              |          |                                                     |     |     |
| 7           |              |          |                                                     |     |     |
| 8           |              |          |                                                     |     |     |
| 9           |              |          |                                                     |     |     |
| 10          |              |          |                                                     |     |     |
| 11          |              |          |                                                     |     |     |
| 12          |              |          |                                                     |     |     |
| 13          |              |          |                                                     |     |     |
| 14          |              |          |                                                     |     |     |
| 15          |              |          |                                                     |     |     |
| 16          |              |          |                                                     |     |     |
| 17          |              |          |                                                     |     |     |
| 18          |              |          |                                                     |     |     |
| 19          |              |          |                                                     |     |     |

<sup>3</sup> (a): Peak asymmetrical short-circuit current at 10 ms for a 3-phase short-circuit fault at the Connection Point;

(b) RMS value of the initial symmetrical short-circuit current for a 3-phase short-circuit fault at the Connection Point;

(c) RMS value of the symmetrical short-circuit current at 100 ms for a 3-phase short-circuit fault at the Connection Point.

**Form Table 3: Loads installed at the premises for connections to LV**

| Load<br>Number | Type of Load | Rated kW |
|----------------|--------------|----------|
| 1              |              |          |
| 2              |              |          |
| 3              |              |          |
| 4              |              |          |
| 5              |              |          |
| 6              |              |          |
| 7              |              |          |
| 8              |              |          |
| 9              |              |          |
| 10             |              |          |
| 11             |              |          |
| 12             |              |          |
| 13             |              |          |
| 14             |              |          |
| 15             |              |          |
| 16             |              |          |
| 17             |              |          |
| 18             |              |          |
| 19             |              |          |



**Form Table 4: characteristics of special loads installed at the premises****Motors installed at the premises**

| Motor Load Number | Rating (kW) | Machine characteristics (type of motor, rated speed, manufacturer and model) | Starting Arrangement |
|-------------------|-------------|------------------------------------------------------------------------------|----------------------|
|                   |             |                                                                              |                      |
|                   |             |                                                                              |                      |
|                   |             |                                                                              |                      |
|                   |             |                                                                              |                      |

**Welders installed at the premises**

| Welder Load Number | Rating (kW) | Welder characteristics (type, manufacturer and model) | Usage pattern |
|--------------------|-------------|-------------------------------------------------------|---------------|
|                    |             |                                                       |               |
|                    |             |                                                       |               |
|                    |             |                                                       |               |
|                    |             |                                                       |               |

**Rectifier and Inverters installed at the premises**

| Rectifier/Inverter Number | Rated power of loads to which it is connected (kW) | Control Method | Filtering arrangements |
|---------------------------|----------------------------------------------------|----------------|------------------------|
| 1                         |                                                    |                |                        |
| 2                         |                                                    |                |                        |
| 3                         |                                                    |                |                        |
| 4                         |                                                    |                |                        |

**Form Table 5: characteristics of power transformers installed at the premises**

| Transformer Number | kV HV side / kV LV side | Rated Capacity (kVA) | Expected load (% of rated capacity) |
|--------------------|-------------------------|----------------------|-------------------------------------|
| 1                  | /                       |                      | %                                   |
| 2                  | /                       |                      | %                                   |
| 3                  | /                       |                      | %                                   |
| 4                  | /                       |                      | %                                   |

## Appendix B – Basic Form for Connection of Generating Stations

**Form Table 1: General data**

|                            |  |  |
|----------------------------|--|--|
| <b>I. Applicant's Data</b> |  |  |
| 1.Full Name of Applicant   |  |  |
| 2.Company Name             |  |  |
| ID of the Applicant        |  |  |
| Address of the Applicant   |  |  |
| Contact phone number       |  |  |
| Contact fax number         |  |  |
| Contact e-mail address     |  |  |
| <b>Location Data</b>       |  |  |

|                                                                                 |  |                                                                                                                                                                                                                                                 |  |                                           |
|---------------------------------------------------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------|
| Power Plant Name                                                                |  |                                                                                                                                                                                                                                                 |  |                                           |
| Address of the premises to be connected                                         |  |                                                                                                                                                                                                                                                 |  |                                           |
| Proposed Connection Point                                                       |  |                                                                                                                                                                                                                                                 |  |                                           |
| Voltage Level                                                                   |  |                                                                                                                                                                                                                                                 |  |                                           |
| Address                                                                         |  |                                                                                                                                                                                                                                                 |  |                                           |
| GPS coordinates                                                                 |  |                                                                                                                                                                                                                                                 |  |                                           |
| <b>Connection's Timing</b>                                                      |  |                                                                                                                                                                                                                                                 |  |                                           |
| Completion Date desired for connection to the Distribution Network <sup>4</sup> |  |                                                                                                                                                                                                                                                 |  |                                           |
| <b>Generator/Load Data</b>                                                      |  |                                                                                                                                                                                                                                                 |  |                                           |
| 1.Maximum Import Capacity (kW)                                                  |  |                                                                                                                                                                                                                                                 |  |                                           |
| 2.Maximum Export Capacity (kW)                                                  |  |                                                                                                                                                                                                                                                 |  |                                           |
| 3.Expected Power Factor                                                         |  |                                                                                                                                                                                                                                                 |  |                                           |
| 4.Connection Mode for LV connection Applicants (please indicate with an X)      |  |                                                                                                                                                                                                                                                 |  | Single Phase<br>[ ] // Three<br>Phase [ ] |
| 5.Load Diversity Factor                                                         |  |                                                                                                                                                                                                                                                 |  |                                           |
| Characteristics of generators                                                   |  | <i>Please fill in Form Table 2 for each generator unit that will be connected to the Distribution Network</i>                                                                                                                                   |  |                                           |
| Characteristics of the load                                                     |  | <i>Please fill in Form Table 3 for each of the loads that will be connected to the Distribution Network and fill in the related table for large motors, welders, transformers and rectifiers and inverters in Form Table 4 and Form Table 5</i> |  |                                           |
|                                                                                 |  |                                                                                                                                                                                                                                                 |  |                                           |
|                                                                                 |  |                                                                                                                                                                                                                                                 |  |                                           |

<sup>4</sup> In case the new connection is intended to supply premises whose construction will evolve through different stages, please state the dates and load requirements for connection of each stage

**Form Table 2: Generator units installed at the premises**

| Generator Unit Number | Type of Generator | Type of Energy Source | Number of Phases | Starting Arrangement s/ Inverter/ Battery Storage system | Rated kW | Fault level contribution (kA) <sup>5</sup> , if any |     |     |
|-----------------------|-------------------|-----------------------|------------------|----------------------------------------------------------|----------|-----------------------------------------------------|-----|-----|
|                       |                   |                       |                  |                                                          |          | (a)                                                 | (b) | (c) |
| 1                     |                   |                       |                  |                                                          |          |                                                     |     |     |
| 2                     |                   |                       |                  |                                                          |          |                                                     |     |     |
| 3                     |                   |                       |                  |                                                          |          |                                                     |     |     |
| 4                     |                   |                       |                  |                                                          |          |                                                     |     |     |
| 5                     |                   |                       |                  |                                                          |          |                                                     |     |     |
| 6                     |                   |                       |                  |                                                          |          |                                                     |     |     |
| 7                     |                   |                       |                  |                                                          |          |                                                     |     |     |
| 8                     |                   |                       |                  |                                                          |          |                                                     |     |     |
| 9                     |                   |                       |                  |                                                          |          |                                                     |     |     |
| 10                    |                   |                       |                  |                                                          |          |                                                     |     |     |
| 11                    |                   |                       |                  |                                                          |          |                                                     |     |     |
| 12                    |                   |                       |                  |                                                          |          |                                                     |     |     |
| 13                    |                   |                       |                  |                                                          |          |                                                     |     |     |
| 14                    |                   |                       |                  |                                                          |          |                                                     |     |     |
| 15                    |                   |                       |                  |                                                          |          |                                                     |     |     |
| 16                    |                   |                       |                  |                                                          |          |                                                     |     |     |
| 17                    |                   |                       |                  |                                                          |          |                                                     |     |     |
| 18                    |                   |                       |                  |                                                          |          |                                                     |     |     |
| 19                    |                   |                       |                  |                                                          |          |                                                     |     |     |

<sup>5</sup> (a): Peak asymmetrical short-circuit current at 10 ms for a 3-phase short-circuit fault at the Connection Point;

(b) RMS value of the initial symmetrical short-circuit current for a 3-phase short-circuit fault at the Connection Point;

(c) RMS value of the symmetrical short-circuit current at 100 ms for a 3-phase short-circuit fault at the Connection Point.

**Form Table 3: Loads installed at the premises**

| Load Number | Type of Load | Rated kW | Fault level contribution (kA) <sup>6</sup> , if any |     |     |
|-------------|--------------|----------|-----------------------------------------------------|-----|-----|
|             |              |          | (a)                                                 | (b) | (c) |
| 1           |              |          |                                                     |     |     |
| 2           |              |          |                                                     |     |     |
| 3           |              |          |                                                     |     |     |
| 4           |              |          |                                                     |     |     |
| 5           |              |          |                                                     |     |     |
| 6           |              |          |                                                     |     |     |
| 7           |              |          |                                                     |     |     |
| 8           |              |          |                                                     |     |     |
| 9           |              |          |                                                     |     |     |
| 10          |              |          |                                                     |     |     |
| 11          |              |          |                                                     |     |     |
| 12          |              |          |                                                     |     |     |
| 13          |              |          |                                                     |     |     |
| 14          |              |          |                                                     |     |     |
| 15          |              |          |                                                     |     |     |
| 16          |              |          |                                                     |     |     |
| 17          |              |          |                                                     |     |     |
| 18          |              |          |                                                     |     |     |
| 19          |              |          |                                                     |     |     |

|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|

<sup>6</sup> (a): Peak asymmetrical short-circuit current at 10 ms for a 3-phase short-circuit fault at the Connection Point;

(b) RMS value of the initial symmetrical short-circuit current for a 3-phase short-circuit fault at the Connection Point;

(c) RMS value of the symmetrical short-circuit current at 100 ms for a 3-phase short-circuit fault at the Connection Point.

**Form Table 4: characteristics of special loads installed at the premises**

**Motors installed at the premises**

| Motor Load Number | Rating (kW) | Machine characteristics (type of motor, rated speed, manufacturer and model) | Starting Arrangement |
|-------------------|-------------|------------------------------------------------------------------------------|----------------------|
|                   |             |                                                                              |                      |
|                   |             |                                                                              |                      |
|                   |             |                                                                              |                      |
|                   |             |                                                                              |                      |

**Welders installed at the premises**

| Welder Load Number | Rating (kW) | Welder characteristics (type, manufacturer and model) | Usage pattern |
|--------------------|-------------|-------------------------------------------------------|---------------|
|                    |             |                                                       |               |
|                    |             |                                                       |               |
|                    |             |                                                       |               |
|                    |             |                                                       |               |

**Rectifier and Inverters installed at the premises**

| Rectifier/Inverter Number | Rated power of loads to which it is connected (kW) | Control Method | Filtering arrangements |
|---------------------------|----------------------------------------------------|----------------|------------------------|
| 1                         |                                                    |                |                        |
| 2                         |                                                    |                |                        |
| 3                         |                                                    |                |                        |
| 4                         |                                                    |                |                        |

[illegible]

**Form Table 5: characteristics of power transformers installed at the premises**

| Transformer Number | kV HV side / kV LV side | Rated Capacity (kVA) | Expected load (% of rated capacity) |
|--------------------|-------------------------|----------------------|-------------------------------------|
| 1                  | /                       |                      | %                                   |
| 2                  | /                       |                      | %                                   |
| 3                  | /                       |                      | %                                   |
| 4                  | /                       |                      | %                                   |

[illegible]