

WIRELESS POWER CONSORTIUM, INC.

QI PRODUCT REGISTRATION POLICY

This is the Qi Product Registration Policy (“**Qi Registration Policy**”) of the Wireless Power Consortium, Inc. (“**WPC**”) as referred to in WPC’s Membership Agreement. The Qi Registration Policy describes the process and requirements for WPC members to register products in WPC’s Qi Registered Product Database.

1 Definitions

- 1.1 “**Authorized Test Laboratory**” means a testing center authorized by WPC in writing for the testing of products that are submitted for verification of compliance with the Qi Specification.
- 1.2 “**IOC**” means an interoperability testing center designated by WPC as a facility for verifying that new Transmitters and new Receivers are interoperable with Qi Registered Products.
- 1.3 “**Major Revision**” means an Update to the Qi Specification that adds new features or functionality to (and may also correct and clarify) a wireless power transfer interface, irrespective of whether it is backward compatible with previous versions of wireless power transfer interfaces. Major Revisions are indicated by a change in the version number digits to the left of the decimal point (e.g., Revisions 2.0, 3.0...).
- 1.4 “**Manufacturing Grace Period**” means the period that WPC will maintain a Qi Registered Product that was verified by an Authorized Test Laboratory using an out of date version of the Qi Specification in the Qi Registered Product Database, pursuant to Section 5.4.
- 1.5 “**Material Breach**” means any breach of this Qi Registration Policy by a party that is not cured within thirty (30) days of written notice by the non-breaching party of such breach. Any substantially related series of breaches will be deemed a single Material Breach and a series of substantially related events concerning a single Product Type of Qi Registered Products will similarly constitute a single Material Breach.
- 1.6 “**Minor Update**” means an Update to the Qi Specification that corrects, clarifies, or enhances the Qi Specification with the intent to maintain interoperability with an earlier version of the Qi Specification. Minor Updates will be indicated by a change in the version number digits to the right of the decimal point (e.g.: Revision 1.1, 1.2, ..., 1.17, etc.).
- 1.7 “**Non-Compliance Notice**” means a written notice sent by WPC to Member in accordance with the procedure described in Annex E.
- 1.8 “**Non-Compliant Product**” means a product identified in a Final Non-Compliance Notice as described in Annex E.
- 1.9 “**Qi Product Registration Fee**” means a non-refundable, non-recoupable fee to be paid by a Member in consideration of the registration of a Product Type in the Qi Registered Product Database.
- 1.10 “**Qi Registered Product**” means a product for which the Product Identifying Properties and picture match a publicly visible entry in the Qi Registered Product Database.

- 1.11 “**Qi Registered Product Database**” refers to the online product database that WPC hosts on its website relating to the Qi Specification.
- 1.12 “**Qi Specification**” means the document entitled "The Qi Wireless Power Transfer System Power Class 0 Specification" as well as all Updates, adopted and issued by WPC.
- 1.13 “**Qi Test Specifications**” means the testing policies, procedures and test tool specifications adopted and issued by WPC from time to time, setting out the rules for compliance with the Qi Specification and for verifying such compliance by an Authorized Test Laboratory.
- 1.14 “**Receiver**” means a device that receives a wireless power charging signal in accordance with the Qi Specification.
- 1.15 “**Registered Subsystem**” means a Subsystem that is a Qi Registered Product.
- 1.16 “**Registration Grace Period**” means the period during which WPC will continue to include products that were verified by an Authorized Test Laboratory using an out of date version of the Qi Specification in the Qi Registered Product Database, pursuant to Section 5.3.
- 1.17 “**Serviceable Product Classes**” means the category of products, as described in Annex G.
- 1.18 “**Substantially Similar Product**” means a product that closely resembles a Qi Registered Product in all material functional aspects and is identical to such Qi Registered Product with regards to all aspects related to wireless power functionality. A non-exhaustive list of criteria that will disqualify a product as being a Substantially Similar Product is set out in Annex D.
- 1.19 “**Update**” means any updates or revisions that are approved by WPC.
- 1.20 “**Verification**” means the process used by Authorized Test Laboratories to verify compliance of a product with the Qi Specification.
- 1.21 “**Verification Report**” means a document that fulfils all requirements defined in Annex C (as may be revised by WPC from time to time) and was issued by an Authorized Test Laboratory.
- 1.22 The following terms have the meaning ascribed to them in the WPC Trademark License Policy: “**Affiliated Entity**”, “**Control**”, “**Member**”, “**Product Identifying Properties**”, “**Product Type**”, “**Subsystem**”, and “**Transmitter**”.

2 Fees

- 2.1 Each Member must pay WPC the applicable Qi Product Registration Fee(s) set forth in Annex A for each Product Type registered in the Qi Registered Product Database on behalf of such Member. Payment of the Qi Product Registration Fee will be due prior to the relevant Product Type’s publication in the Qi Registered Product Database, and in accordance with the timing set forth in WPC’s Financial Administration Policy.
- 2.2 The Qi Product Registration Fee(s) payable by Member hereunder will be paid net of any present or future tax, assessment, or governmental charge. Member will gross up the fees so that after deducting or withholding any applicable bank fees, tax, assessment or charge, WPC will receive a full amount of the Qi Product Registration Fees which would have been received by WPC had no deduction or withholding been required.

3 Registration Procedure

- 3.1 The procedure for registering products in the Qi Registered Product Database (“**Qi Registration Procedure**”) is described in Annex B. WPC may revise the Qi Registration Procedure at any time and will give Member at least two (2) months’ prior written notice before such change is effective. WPC will provide such notice as set forth in the Membership Agreement.
- 3.2 A Product Type that is Substantially Similar to a Product Type previously registered by Member in the Qi Registered Product Database will be exempt from the requirement to submit such product to an Authorized Test Laboratory provided that:
- (a) a Substantially Similar Declaration Form has been completed for such Product Type; and
 - (b) the date of registration of the Product Type previously registered does not exceed the relevant period specified in Annex B; and
 - (c) the Substantially Similar Declaration claim has been approved by WPC (or a party assigned by WPC); and
 - (d) WPC did not issue Non-Compliance Notice with respect to such previously Qi Registered Product Type.
- 3.3 WPC may refuse registration of Member’s products in the Qi Registered Product Database if:
- (a) the documentation as specified in Annex B is incomplete or incorrect;
 - (b) the Qi Registration Procedure described in Annex B is not adhered to; or
 - (c) the Member did not meet the time limits or other requirements specified in Annex B.
- 3.4 Each Member will inform its customers of Registered Subsystems that such customers need to verify compliance with the Qi Specification of all systems containing a Registered Subsystem.
- 3.5 Each Member will, at the request of WPC, provide a maximum of 10 samples of a Qi Registered Product to the WPC, to ascertain whether other Product Types function correctly and interoperate with such samples.
- 3.6 Each Member will be solely responsible for its own expenses associated with executing the Qi Registration Procedure including, without limitation, the procedures carried out by the Authorized Test Laboratory and the IOC.
- 3.7 Each Member acknowledges and agrees that each Authorized Test Laboratory may provide WPC with detailed test results of the Member’s sample products submitted to the Authorized Test Laboratory in accordance with the provisions of this Qi Registration Policy. WPC will not disclose such test results to other Members, nor to any other entity or individual other than those engaged in WPC’s Qi product registration and market inspection activities, unless such disclosure is necessary for the enforcement of its rights. In the event WPC deems additional disclosure of the test results necessary for the operation of the Qi product registration program, WPC will seek permission from Member to disclose such information, which permission will not be unreasonably withheld.
- 3.8 Upon a Member’s request, WPC will provide a confirmation letter regarding the status of a product that has successfully completed all mandatory tests as described in the Qi Registration Procedure, but which has not yet been made public in the Qi Registered Product Database.

- 3.9 WPC will have the right to disclose information about Member's Qi Registered Products in accordance with the terms of the Qi Registration Procedure.

4 Market Inspection and Non-Compliance Procedures

- 4.1 Each Member acknowledges and agrees that compliance with the requirements for registering products is essential for delivering the promise that Qi Registered Products are interoperable and compliant with the safety features of the Qi Specification.
- 4.2 WPC may verify a Member's ongoing compliance with the requirements for Qi Registered Products following the procedure described in Annex E. WPC may revise the procedure at any time, but will give Members at least two months' notice before such changes go into effect.
- 4.3 Each Member will comply with the then current revision of the procedure described in Annex E.
- 4.4 In addition to any remedies set forth in this Qi Registration Policy, each Member acknowledges and agrees that in the event a Member has repeatedly failed market inspection for any Qi Registered Product, WPC may decide to temporarily suspend such Member's rights to register new Product Types.

5 Changes

- 5.1 WPC may make Updates to the Qi Specification, the Qi Test Specification, and/or the Qi Registration Policy (including its Annexes), and will inform Members of any such Updates by written notice ("**Update Notice**") in accordance with the Membership Agreement and any other applicable notice requirements.
- 5.2 Each Member will comply with all Minor Updates of the Qi Specification. Except for Updates that are made to improve consumer safety, as specified in the applicable Update Notice, the grace periods set forth in this Section 5 will apply. Members must use commercially reasonable efforts to comply immediately with any Updates made for purposes of consumer safety, as identified in the associated Update Notice.
- 5.3 WPC will allow the registration of products that were verified by an Authorized Test Laboratory against the previous version of the Qi Specification for the time specified in the Update Notice (at least 180 days) after issuing an Update Notice ("**Registration Grace Period**").
- 5.4 WPC will maintain Qi Registered Products that were verified by an Authorized Test Laboratory against the previous version of the Qi Specification for at least one year longer than the Registration Grace Period ("**Manufacturing Grace Period**") in the Qi Registered Product Database. For the sake of clarity, this Qi Registration Policy does not restrict in any way a Member's right to manufacture, distribute, promote or sell its products to the extent such products are not being promoted as being compliant with the Qi Specification.
- 5.5 In the event that two Qi Registered Products are found to not be interoperable with each other, WPC may make changes in the Qi Specification that may make one or both such incompatible Qi Registered Products non-compliant with the Update. WPC will remove a Qi Registered Product

that is non-compliant with the Update from the Qi Registered Product Database 180 days after issuing an Update Notice or a longer period if specified by WPC in the Update Notice.

- 5.6 Notwithstanding the foregoing, Members may continue to design and manufacture service parts for Serviceable Product Classes that contain a fully integrated (non-interchangeable by consumers) Subsystem that has been a Registered Subsystem and was never subject to a Final Non-Compliance Notice.
- 5.7 In the event of a Major Revision of the Qi Specification, WPC will not remove Qi Registered Products that are compliant with the Qi Specification immediately preceding such Major Revision from the Qi Registered Product Database.

6 Remedies

- 6.1 Member acknowledges and agrees that, due to the potential for lasting effect and harm that could result from a Material Breach of this Qi Registration Policy, if a Member commits a Material Breach of its obligations hereunder, monetary damages alone may not be a sufficient remedy. Accordingly, WPC will have the right to seek an injunction against such Member to halt any Material Breach, without prejudicing its right to terminate this Qi Registration Policy for reason of such Material Breach. The rights to seek injunctive relief and terminate this Qi Registration Policy are cumulative and not exclusive of any other rights that might be available to WPC under this Qi Registration Policy or at law.
- 6.2 Notwithstanding anything to the contrary provided in this Qi Registration Policy, a Member will not be required to recall Non-Compliant Products that are not in the Member's or its suppliers' control or possession, provided Member will not transfer any products for the purpose of circumventing its obligation to recall Non-Compliant Products.
- 6.3 Each Member acknowledges that WPC may take action to stop the distribution or sale by each Member's customers of Non-Compliant Products.
- 6.4 Each Member acknowledges that WPC may publish, on its website and/or other publications, the brand name, product name, and type number or manufacturer part number of any product that was subject to a Final Non-Compliance Notice and any product that carries the logo associated with the Qi Specification but that is not a Qi Registered Product.

7 Termination

- 7.1 WPC may remove a Member's Qi Registered Product(s) from the Qi Registered Product Database (i) if the Member ceases to be in good standing, and its membership is suspended or terminated, (ii) upon a Material Breach by the Member of this Qi Registration Policy or other WPC policies, including the Trademark License Policy, or (iii) as otherwise set forth in this Qi Registration Policy.

8 Limitations & Indemnification

- 8.1 WPC makes no warranties, express or implied. The Qi Specification, and any contributions thereto provided by WPC, including without limitation the Qi Test Specification, are provided "AS

IS” with no warranties whatsoever, whether express, implied or statutory, including, but not limited to any warranty of merchantability, non-infringement, fitness for any particular purpose, or any warranty otherwise arising out of any proposal, specification, guide, design or sample. WPC expressly disclaims any and all warranties, responsibility and liability for (non-)conformance of any product to the Qi Specification, product functionality or product interoperability.

- 8.2 Use of the Qi Test Specification does not guarantee that any product will conform to the Qi Specification, function correctly or interoperate with any other product. Each Member acknowledges that it will be the Member’s sole responsibility to establish its own testing specifications, guides and reference designs to establish conformance with the Qi Specification, correct functionality and interoperability. Each Member will be solely responsible for all test results and acknowledges and agrees that WPC will not be liable in any manner for any test results or the sufficiency or appropriateness of the Qi Test Specification.
- 8.3 In no event will WPC or a Member be liable to each other for any loss of profits, incidental, consequential, indirect, or special damages arising out of, or related to, this Qi Registration Policy, even when such party had advance notice of the possibility of such damages. The aggregate liability of WPC or any Member in a given year in connection with or arising out of this License will not exceed the annual membership fee paid by the Member to WPC in such given year, except to the extent related to the indemnification obligations set forth below arising from a Member’s gross negligence, willful misconduct, or knowing disregard of WPC written policies, procedures, or instructions.
- 8.4 Each Member agrees to indemnify, defend, and hold harmless WPC, its officers, directors, employees, and agents for, from, and against any and all claims, demands, losses, liabilities, fines, sanctions, judgments, awards, costs, and expenses (including reasonable attorneys’ fees and costs) incurred by WPC through a claim or allegation arising out of or relating to: (i) the inaccuracy or violation of any of the Member’s representations, warranties, undertakings, covenants, and/or terms contained in this Qi Registration Policy; or (ii) the Member’s marketing, advertising, promotion, endorsement, sale, or distribution of products or services that are Qi Registered Products, that bear or refer to a Qi logo or Qi Specification, or otherwise relate to this Qi Registration Policy; provided, however, that that in no case will Member be required to indemnify WPC regarding a claim or allegation (x) that the Qi logo is invalid or that it infringes or misappropriates any third party trademark, patent, or other intellectual property rights, so long as Member uses the Qi logo in strict accordance with applicable WPC policies or (y) arising from Member’s implementation of a Qi Specification in accordance with WPC instructions. Member will not enter into any settlement or make any admission or statement in connection with this Qi Registration Policy or related disputes that is disparaging of WPC or that requires any obligation, financial or otherwise, of WPC, without WPC’s prior written consent, which consent shall not be unreasonable withheld.

9 Affiliated Entities

- 9.1 Any Affiliated Entity of a Member has all of the rights of a Member under this Qi Registration Policy, for as long as the applicable Member remains a member in good standing with WPC. All the terms set forth in this Qi Registration Policy will apply to the Affiliated Entity. If an entity ceases to be an Affiliated Entity of a Member, or the Member associated with such entity ceases

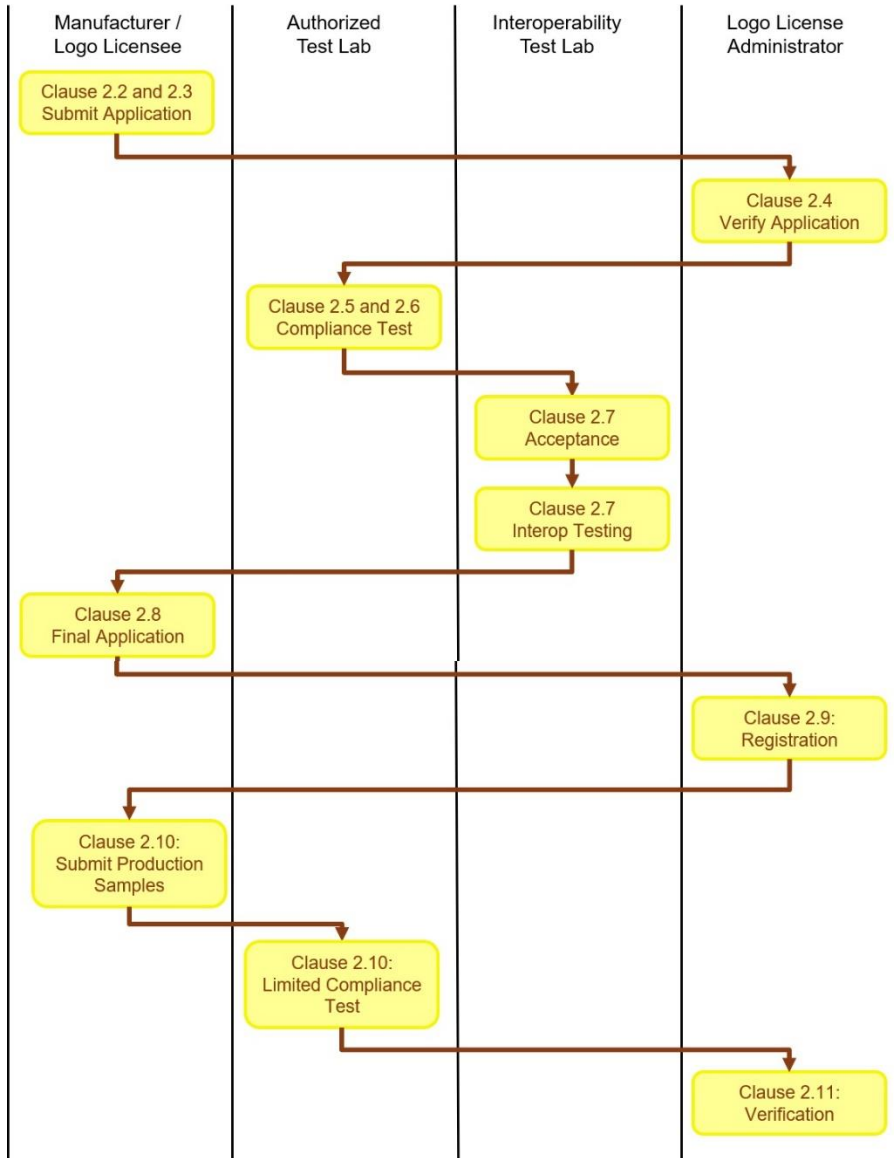
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to be a WPC member in good standing, such entity's rights under this Qi Registration Policy will terminate immediately and its products will be immediately removed from the Qi Registered Product Database. A Member will be responsible and liable for the actions of any Affiliated Entity in connection with this Qi Registration Policy.

Annex A Qi Product Registration Fees

The Qi Product Registration Fee is 0 (nil).

Annex B Qi Product Registration Procedure



1 Definitions

- 1.1 For the purpose of this Annex B the terms “New Product”, “Final Application”, “Application Approval Notice”, “Registration”, “Verification”, “Commercial Picture”, “Production Sample”, “Self Declaration Form”, and “Earliest Publication Date” are defined below in this Annex.

2 Procedure for new products

- 2.1 To start the application for registration of a product in the Qi Registered Product Database (“**New Product**”), Member must access WPC’s Qi product registration web page.
- 2.2 Member must select an Authorized Test Laboratory (“**ATL**”) to perform the compliance tests. For the avoidance of doubt, prior to this application Member may make arrangements with the selected ATL and submit identical samples of the New Product to the selected ATL. If the samples are identical to the Product Type that will be supplied to customers (“**Production Samples**”), Member shall submit five (5) samples to the ATL. Member shall submit three (3) samples if the samples are not Production Samples. This will allow the ATL to check the samples prior to approval of the application for registration by WPC.
- 2.3 The required documentation (“**Self Declaration Form**”) to be submitted by Member in connection with the application includes but is not limited to product specific information such as brand name, product name, type number, HW/SW revision/version and the following clear pictures of the product:
- pictures of all principal views of the product sample that is submitted to the ATL;
 - if available, a picture of the product meant for publication in the Qi Registered Product Database after Registration (“**Commercial Picture**”); and
 - the part number of the main controller of the wireless power functionality.
 - For transmitter products, Member shall also provide:
 - a picture of the coil in the product; and
 - a picture of the PCB in the product.

Pictures shall have a resolution of at least 8M pixels and clearly show relevant product features.

WPC may publish the brand name, product name, type number, the Commercial Picture, and product properties that are relevant for users of the product such as, without limitation, maximum transmitted or received power, transmitter design, and embedding depth of subsystems, in the Qi Registered Product Database after Registration but will use commercially reasonable efforts to ensure such publication does not occur before the earliest public disclosure date indicated by Member in the Final Application or, where applicable, the earliest public disclosure date indicated in the most recent version of the Final Application submitted by Member (“**Earliest Publication Date**”).

WPC may publish the picture of the coil and the picture of the PCB in the Qi Registered Product Database one hundred and eighty (180) days after Registration but will use commercially reasonable efforts to ensure such publication does not occur before the Earliest Publication Date. Notwithstanding the forgoing, WPC shall not publish the picture of the coil and the picture of the PCB for products that Member has identified as “not made available for sale to consumers and distributed under NDA between Member and its customers”, provided that WPC may publish the picture of the coil and the picture of the PCB for products that are registered as subsystem and intended to be embedded in products that may be sold to consumers.

Except for the information that WPC may publish under this Section 2.3 of this Annex B, WPC shall not disclose the content of the Self Declaration Form to other Members, nor to any other entity or individual other than those engaged in WPC’s Qi Product Registration process, unless

such disclosure is necessary for the enforcement of its rights governed by this Agreement. In the event WPC deems disclosure of such information necessary for the operation of the Qi Product Registration program, WPC shall seek permission from Member to disclose such information, which permission shall not be unreasonably withheld.

- 2.4 Once the required documentation is successfully submitted, Member must submit the application for approval by WPC. WPC will review the application for completeness and correctness. WPC will inform Member of the results of the review within 5 normal working days after receipt of the application.
- (a) If WPC identifies deficiencies, WPC may refuse the application and will return the application together with the reason for the refusal. Member may resubmit a corrected application together with a list of changes made to the prior application.
 - (b) If WPC determines that the application is complete and without deficiencies, a unique identification number will be assigned to the application for tracking purposes.
- 2.5 Upon receiving devices which are subject to the application, the ATL may refuse a device for Compliance testing if i) the device is damaged during shipment and which damage can be verified based on the enclosed pictures of the device or ii) the submitted device information does not correspond with the actual device (e.g. the type of coil) submitted by Member.
- (a) If the ATL refuses to accept a device for testing, Member may i) modify the application and resubmit the application or ii) submit new devices which correspond with the submitted application.
- 2.6 Upon acceptance of an application, the ATL will perform the required Compliance Tests as are given in the Qi Test Specifications.
- (a) If the device, in the sole reasonable judgment of the ATL, successfully passes the compliance tests, the ATL will upload a Verification Report to the Qi product registration page of the WPC website and submit the tested device and an additional device, which must be similar to the device which passed the Compliance tests, to the primary interoperability Center (“IOC”). Both samples must be labeled in order to differentiate between the two samples
 - (b) If the device, in the sole reasonable judgment of the ATL, does not pass the compliance tests, the ATL will: i) mark the application as a Fail and return the device which is subject of the application to Member, whereby Member may modify the product such that it will pass the compliance tests and resubmit the application; or ii) will allow Member to fix the issue on the fly without the ATL marking the application as a Fail, in which case returning of the registration and having the registration process re-started will be avoided.
- 2.7 **Interoperability testing**
- (a) Upon receipt by the IOC of the notification of successful passing of the compliance test, the IOC will be provided access to the registration page of the relevant application.
 - (b) Upon receiving, from the ATL, the devices which are subject to the application, the IOC may refuse such devices for interoperability testing if (a) Member has not paid the fee for interoperability testing, or (b) the device is damaged during shipment and which damage can be verified based on the enclosed pictures of the device. In case such damage cannot be repaired by Member, Member must submit two (2) devices to the ATL that are similar to the

originally submitted samples. The ATL shall perform the compliance testing on the newly submitted devices in accordance with Section 2.6 of this Annex B.

- (c) The IOC shall, within five (5) working days after accepting the devices for interoperability testing, initiate testing the compliant device sent by the ATL on interoperability against all Certified Receivers or Transmitters available to the IOC at the moment of testing.
- (d) If the device, in the sole reasonable judgment of the IOC, successfully passes the interoperability test, the IOC will add a unique IOP test ID number to the application which will be added to the final verification report. The device may be temporarily included in the IOP Test Bed and as such used for interoperability testing against new devices.
- (e) If, after being temporarily included in the IOP Test Bed, an interoperability issue (“IOP Issue”) occurs during the temporary inclusion of the device in the IOP Test Bed, an IOP Issue comment will be raised by the IOC. WPC will notify Member of such IOP Issue.

In case of such pending IOP issue, the application is put on hold. During this time Member must resolve the IOP issue.

Unless the IOP issue is resolved within the period of thirty (30) days, the application will be void and closed and thus the device will be removed from the Test Bed and not registered in the Registered Product Database.

- (f) In case the device, in the sole reasonable judgment of the IOC, does not pass the interoperability test, the IOC shall upload a Fail report. A notice of Fail will be sent to Member, WPC, ATL and the IOP team. The IOP team will be granted access to the application.

2.8 Final Application

- (a) After the IOC submits the Pass Result to WPC, a period of one hundred and eighty (180) calendar days starts. Within this period Member will be allowed to make changes to the initial application such as adding improved quality pictures, a better description of the product, an Earliest Publication Date, etc. (“**Final Application**”). If not previously provided, such Final Application must include a picture of the product meant for publication in the Qi Registered Product Database where such picture accurately represents the product which is to be made commercially available. For the avoidance of doubt: NO modifications to the test results or the product are allowed.
- (b) If Member fails to provide the Final Application within the time limit, the application gets closed without listing of the New Product in the Qi Registered Product Database.

2.9 Registration

- (a) After Member submits the Final Application, WPC checks for pending IOP issues and completeness and correctness of the information in the Final Application. If IOP issues are pending and/or the Final Application is incorrect or incomplete the application will be void and closed and thus the New Product will be removed from the Test Bed and not registered in the Qi Registered Product Database.
- (b) WPC registers the New Product in the Qi Registered Product Database if no IOP issues are pending and the Final Application is correct and complete (“**Registration**”), provided that WPC will use commercially reasonable efforts to only make such registration publicly available on or after the Earliest Publication Date. Member will not be able to make changes in the information about the New Product after the product is registered in the Qi Registered Product Database.

WPC may cancel the Registration and remove a product from the Qi Registered Product Database when a product has entered the market with a Notable Hardware Change (term defined in Section 2.18 of Annex E) compared with one of the Samples that were submitted by Member to the Authorized Test Lab.

2.10 Submit and Test Production Samples

Within one hundred and eighty (180) days after Registration:

- (a) Member shall submit 5 Production Samples of the product to the ATL;
- (b) the ATL shall perform a subset (specified by WPC) of the compliance tests on one of the Production Samples; and
- (c) the ATL shall upload a Verification Report when the Production Sample has passed these tests.

WPC may require that a Production Sample is tested by the IOC for interoperability with the interoperability testbed.

WPC may remove the New Product from the Qi Registered Product Database if the Production Sample has not passed the certification and interoperability tests within 180 days of Registration,

The step described in this Section 2.10 of this Annex B can be omitted when Member declared that the samples initially submitted to the ATL under Section 2.2 of this Annex B are Production Samples.

2.11 Verification

- (a) WPC verifies that the Production Samples have passed the tests in Section 2.7 or Section 2.10 of this Annex B and that a Verification Report on the appropriate Production Samples has been uploaded by the ATL ("**Verification**"). After Verification, the 180-day limit specified in Section 2.10 of this Annex B is no longer applicable).

- 2.12 WPC may remove the New Product from the Qi Registered Product Database when a product has entered the market with a Notable Hardware Change (term defined in Section 2.18 of Annex E) compared with one of the Production Samples that were submitted by Member to the Authorized Test Lab.

3 Procedure for Substantially Similar products

- 3.1 To start the application for registration of a product that Member claims is Substantially Similar ("**New Product**"), Member must access the Qi registration web page of the WPC.

- 3.2 The required documentation to be uploaded by Member includes, but is not limited to:

- (a) the identification of a product in the Qi Registered Product Database that the New Product is Substantially Similar with and (a) was not itself registered as Substantially Similar Product; and (b) was registered not more than 2 years earlier for transmitter products and 365 days earlier for receiver products, or not more than 3 years for transmitter products that are integrated in a vehicle during manufacturing of that vehicle ("**Inline Automotive Charger**"); and
- (b) a form with which Member declares the product meets all criteria to be Substantially Similar ("**Substantially Similar Declaration Form**");

- (c) product specific information such as brand name, product name, type number, HW/SW revision/version and clear pictures of the product; and
- (d) an Earliest Publication Date.

3.3 WPC registers the New Product in the Qi Registered Product Database in case the application and Substantially Similar Declaration Form is correct and complete, provided that WPC will use commercially reasonable efforts to only make such registration publicly available on or after the Earliest Publication Date indicated by Member in the required documentation provided in Section 3.2 of this Annex B. Member will not be able to make changes in the information about the device after the New Product is registered in the Qi Registered Product Database

Annex C Requirements for issuing a Verification Report

An Authorized Test Laboratory will issue a Verification Report for a product that has passed the mandatory tests described in the Qi Test Specifications.

The Verification Report shall identify the product with a picture(s), brand name, type number or manufacturer part number, name of Member and the version of the Qi Specification.

The Verification Report shall contain at least:

- (a) the Pass/Fail conclusion for all mandatory tests in the Qi Test Specifications;
- (b) measurement values for each test;
- (c) screenshots of test equipment software UI that capture the measurement values to show how the values are measured and/or plotted; and
- (d) oscilloscope screenshots if applicable, provided that, if a test result is the average value of multiple measurements, each value should be recorded.

Annex D Criteria to determine substantial similarity of products

1 Substantial similarity

Products shall not be Substantially Similar if they contain any one or more of the following:

- (a) different coils (size, shape, material, resistance, number of windings);
- (b) different shielding (size, shape, material, thickness);
- (c) different distance between the coil(s) and the external surface of the product;
- (d) different distance between shielding and the external surface of the product;
- (e) different integrated circuits (ICs) to implement the wireless power functionality;
- (f) different firmware to implement the wireless power functionality;
- (g) parasitic metals in different locations; and
- (h) a difference in behaviour of the product when the “load” connected to the new product is not similar to the load as used in testing the original product.

2 Automotive chargers for in-line assembly

Substantially Similar Qi product registration of automotive chargers for inline assembly is available with a self-declaration that the wireless power transfer function has not changed. Changes in housing, connector, and adding or removing a fan will be allowed for automotive chargers for inline assembly.

3 Other chargers

Substantially Similar Qi product registration is only available for Product Types that have exactly the same shape as the original Qi Registered Product. Re-testing is required when the shape of the housing changes, or when a power connector is replaced (e.g. USB-A with USB-C), or when the material of the charger's surface is changed.

Substantially Similar registration may be used only for re-branding (different color, different print, different brand name, or different type number). No other changes are allowed and resulting Product Types do not qualify as Substantially Similar Products.

WPC recommends the use of an embedded Qi Registered Subsystem when the shape of the product is different or when the surface material of the product is different.

4 Mobile phone accessories

Substantially Similar mobile phone accessories are special and have a different procedure as specified on the website of the WPC.

5 Mobile phones

Substantially Similar registration is available for certain regional adaptations, such as different communication bands, and resulting Product Types may be considered Substantially Similar Products.

A change in material of the back of the phone, such as for example use of leather instead of polycarbonate, requires Member to submit proof that this change doesn't affect the power transfer for the New Product. That proof can be provided by submitting a report to WPC with a comparison between the test results of the original Product Type and the new Product Type for the specific tests denoted below.

For a Product Type that complies with the Basic Power Profile two tests for "reported power" must be repeated:

- (a) #57/6.4.4.3 Power transfer: Packet content; and
- (b) #59/6.5.1 Guaranteed power.

For a Product Type that complies with the Enhanced Power Profile (more than 5 Watt received power), the two Basic Power Profile tests and three additional tests must be repeated:

- (a) MP.RX.SYSCTRL.POWXFER.PACKCONT.TC2: Power transfer Packet content;
- (b) MP.RX.FOD.REQFODSTATUS.TC1: FOD before power transfer; and
- (c) MP.RX.FOD.CALIBRATE.TC1: FOD calibration

Interoperability testing does not have to be repeated for New Products conforming to the requirements above.

6 Other receivers

Substantially Similar registration is only available for re-branding changes (different color, different print, different brand name, or different type number). No other changes are allowed and resulting Product Types do not qualify as Substantially Similar Products.

Annex E Market Inspection Procedure

1 Definitions

- 1.1 The terms “Market Sample”, “Logo Non-Compliance Notice”, “First Non-Compliance Notice”, “Second Non-Compliance Notice”, “Final Non-Compliance Notice”, “Arbitration Panel”, “First Objection Notice”, “Appeal Notice”, “NOTAL”, “Market Inspection Fee”, and “Non-Compliance Fee” are defined in this Annex.

2 Procedure

- 2.1 WPC may, at its own expense, procure samples of Member’s and/or its Associated Companies’ Qi Registered Products or other products carrying the Qi logo (“Market Sample or Market Samples”). For the avoidance of doubt, WPC will procure the Sample from a reliable distribution channel to ensure that the Market Sample has been manufactured by Member or one of its Associated Companies.
- 2.2 WPC may, at its own expense, submit the one or more Market Samples for Verification to an Authorized Test Laboratory. If the Authorized Test Laboratory determines that such Market Sample does not meet the criteria for issuing a Verification Report, the Authorized Test Laboratory will so notify WPC and WPC may issue a Non-Compliance Notice (“First Non-Compliance Notice”) to Member and/or its Associated Companies with respect to such Market Sample.
- 2.3 Each Market Sample must be verified using the same version of the Qi Specification that was used for the Verification of the entry in the Qi Registered Product Database that matches with the Market Sample, except that any change in test procedure that are related to product safety, and issued to all Authorized Test Laboratories in the form of a notice to all labs (“NOTAL”) will be applied to the Market Sample, even when such NOTAL was issued after the Verification of the entry in the Qi Registered Product Database.
- 2.4 WPC may invoice Member a fee to cover WPC’s cost of operating the market inspection program (“Market Inspection Fee”). In case WPC does not receive payment of the Market Inspection Fee in accordance with the timing set forth in WPC’s Financial Administration Policy, WPC may immediately issue the Final Non-Compliance Notice and Member may not appeal against the decision of WPC.

WPC shall return the Market Inspection Fee if the re-test does not reveal non-compliance or when the Arbitration Panel decide that the Non-Compliance Notice was not issued correctly.

WPC shall waive payment of the Market Inspection Fee if Member does not object to the First Non-Compliance Notice and does not appeal a First Non-Compliance Notice or a Second Non-Compliance Notice.

- 2.5 Member and/or its Associated Companies may object to the First Non-Compliance Notice by written notice to WPC no later than twenty-one (21) calendar days after receipt of such First

Non-Compliance Notice (“First Objection Notice”). Member and/or its Associated Companies may, in this First Objection Notice, request the re-testing of the Market Sample that is the subject of such First Non-Compliance Notice. After receiving a valid First Objection Notice, WPC shall, at its own expense, submit another Market Sample, obtained from a different distribution channel, to an Authorized Test Laboratory. If the Authorized Test Laboratory determines that such other Market Sample does not meet the criteria for issuing a Verification Report, the Authorized Test Laboratory will so notify WPC and WPC may issue a second Non-Compliance Notice (“Second Non-Compliance Notice”) to Member and/or its Associated Companies with respect to such Market Sample.

- 2.6 Member and/or its Associated Companies may appeal against a First Non-Compliance Notice, or a Second Non-Compliance Notice by written notice (“Appeal Notice”) to WPC no later than: (a) twenty-one (21) calendar days after receipt of the First Non-Compliance Notice in case Member did not request a re-test, or (b) fourteen (14) calendar days after receipt of the Second Non-Compliance Notice.
- 2.7 Promptly after receiving an Appeal Notice, WPC shall request the WPC Board of Directors to appoint an Arbitration Panel by randomly selecting 5 (five) persons from a pool of volunteer experts consisting of the employees of Member companies, taking into consideration whether such Member has a potential business interest or conflicts in the subject matter of the evaluation and judgement. WPC agrees and acknowledges, and Member agrees and acknowledges, that the appointed Arbitration Panel may: (a) decide whether or not the Non-Compliance Notice was issued correctly, (b) change the classification of Non-Compliance, and/or (c) increase the cure periods specified in Section 2.9 of this Annex E.
- 2.8 If Member and/or its Associated Companies does not appeal within the time limit specified in Section 2.5 of this Annex E, or if the Arbitration Panel decides that the Market Sample fails to comply with the applicable Test Specifications, WPC may issue a final Non-Compliance Notice to Member and/or its Associated Companies (“Final Non-Compliance Notice”). In the event Member and/or its Associate Companies have any objection to the Final Non-Compliance Notice, such dispute shall be solved in accordance with the WPC Membership Agreement.
- 2.9 In the event that Member and/or its Associated Companies receive a Final Non-Compliance Notice, Member and/or its Associated Companies shall take the following actions depending on the classification of Non-Compliance, determined according to the criteria specified in Annex F:
- (a) Qi Specification Non-Compliance: Member and its Associated Companies shall cease the distribution and sales of the Non-Compliant Product within sixty (60) days after receipt of the Final Non-Compliance Notice.
 - (b) Interoperability Non-Compliance: Member and its Associated Companies shall cease the distribution and sales of the Non-Compliant Product within thirty (30) days after receipt of the Final Non-Compliance Notice. Member and/or its Associated Companies may continue the distribution and/or sales of the Non-Compliant Product for an additional sixty (60) days, provided that a prominent warning is attached to each Non-Compliant Product or on the packaging of each Non-Compliant Product, stating explicitly that such Non-Compliant Product may not work correctly in combination with other Qi Registered Products.

- (c) Safety Non-Compliance: Member and its Associated Companies must use commercially reasonable efforts to stop the distribution and sales of the Non-Compliant Product immediately after receipt of the Final Non-Compliance Notice.

2.10 The Non-Compliance and Market Inspection Fees shall be:

- (a) Qi Specification Non-Compliance: Five thousand (5000) US\$
- (b) Interoperability Non-Compliance: Five thousand (5000) US\$
- (c) Safety Non-Compliance: Fifteen thousand (15,000) US\$
- (d) Market Inspection Fee: Seven thousand (7000) US\$

Payment of the Non-Compliance Fee shall be due in accordance with the applicable timing set forth in WPC's Financial Administration Policy. Failure to pay the Non-Compliance Fee within 90 days after the due date shall constitute a Material Breach. The maximum Non-Compliance Fees paid for multiple Non-Compliance Notices relating to a single Product Type and its Substantially Similar Products and for a single subsystem and all Product Types that contain such subsystem, shall not exceed the Non-Compliance Fee for Interoperability Non-Compliance, provided that these multiple Non-Compliance Notices concern the same type of non-compliance in a period within the initial detection of the non-compliance and the final action taken as a consequence of this non-compliance.

Payment of the Market Inspection Fee shall be due in accordance with the applicable timing set forth in WPC's Financial Administration Policy.

The Market Inspection Fee must only be paid once for multiple Non-Compliance Notices relating to a single Product Type and its Substantially Similar Products, and for a single subsystem and all Product Types that contain such Subsystem.

- 2.11 WPC may change the Non-Compliance Fees by written notice to Members at least sixty (60) days before the effective date of such change.
- 2.12 Not earlier than five (5) calendar days after issuing a Final Non-Compliance Notice, WPC may publish, on its website and/or other publications, the brand name and type number of the Market Sample that is classified as Non-Compliant Product. WPC shall notify Member of such publication. Should any publication prove to be faulty, WPC shall publish a suitable retraction.
- 2.13 Not earlier than five (5) calendar days after issuing a Final Non-Compliance Notice, WPC may remove the Product Type that is classified as Non-Compliant Product from the Qi Registered Product Database. WPC shall notify Member of such removal. Should any removal prove to be faulty, WPC shall reinstate the product in the Qi Registered Products Database.
- 2.14 Member's failure to take the actions defined in Section 2.9 of this Annex E, within the specified time, shall constitute a Material Breach.
- 2.15 WPC may remove all Product Types from the Qi Registered Product Database that were registered as Substantially Similar with a Product Type that is classified as a Non-Compliant Product.
- 2.16 WPC may remove all Product Types from the Qi Registered Product Database that were registered as Product Type that contains a Subsystem that is classified as a Non-Compliant Product.

- 2.17 WPC may remove Product Types from the Qi Registered Product Database that were recalled by the manufacturer or by a competent consumer safety authority anywhere in the world
- 2.18 WPC may reject a First Objection Notice when the Market Sample has a Notable Hardware Change compared with one of the devices that were submitted by Member to the Authorized Test Lab as part of the Qi Product Registration Procedure (Annex B). A “Notable Hardware Change” means one or more of the following changes:
- (a) a change in the shape, number of windings, width, or thickness of the coil;
 - (b) the addition, or removal, of a permanent magnet within a 3cm radius of the centre of the coil;
 - (c) the addition, or removal, of metal objects within a 3cm radius of the centre of the coil;
 - (d) a change in shape, thickness, or material of magnetic shielding;
 - (e) any Printed Circuit Board (PCB) layout or design change;
 - (f) a change of the main controller, unless with the same major part number;
 - (g) removal or addition of components, as well as change of the component type, that are associated with wireless power transfer functionality;
 - (h) embedding a subsystem more than 0.8mm deeper than the maximum embedding depth specified for the subsystem; and
 - (i) embedding a subsystem more than 0.8mm shallower than the minimum embedding depth specified for the subsystem.

Member acknowledges and agrees that WPC may tear down, inspect and analyze Market Samples and devices that were submitted by Member to the Authorized Test Lab as part of the Qi Product Registration Procedure (Annex B) to determine if the Market Sample has a Notable Hardware Change.

Annex F Criteria to classify Non-Compliance

1 Qi Specification Non-Compliance:

A Product Type shall be classified Qi Specification Non-Compliant when

- (a) the Product Type does not pass one or more of the mandatory test procedures defined in the Qi Test Specification; or
- (b) the Product Type does not comply with the information provided by Member when Member applied for registration of the product, such as the Self Declaration Form or a Substantial Similar Declaration Form; or
- (c) the Product Type is subject to a Manufacturing Grace Period and manufactured after the end of that Manufacturing Grace Period.

2 Interoperability Non-Compliance:

A Product Type shall be classified as Interoperability Non-Compliant when

- (a) the Product Type is found incompatible with one or more Qi Registered Products in the interoperability test bed; and
- (b) the Product Type has not received a Waiver for compatibility with these Qi Registered Products.

3 Safety Non-Compliance:

A Product Type shall be classified as Safety Non-Compliant when the Product Type is found to be non-compliant with a mandatory test procedure defined in the Qi Test Specification that verifies the correct operation of foreign object detection.

Annex G Serviceable Product Classes

The following products will be considered Serviceable Product Classes for purposes of the Qi Registration Policy.

- Automobiles
- Trains
- Airplanes
- Public Transportation Vehicles
- Furniture