Open Networking Foundation (ONF) Trademark Usage Guidelines for Licensed Members and Licensed Nonmembers

These Trademark Usage Guidelines ("Guidelines") describe the proper way to use and display the ONF Marks defined and described below. These Guidelines describe ONF's policies for use of the ONF Marks to identify the OpenFlow® specification, the CORD® project, and the ONOS® project, and to indicate that a product is compliant with one or more of such specifications and projects. In addition, these Guidelines describe use of the ONF Marks by ONF Members (as that term is defined in the ONF Bylaws) as part of their membership in ONF. These Guidelines are specifically and exclusively for use by ONF Members and licensed nonmembers who have a signed written agreement with ONF. ONF Members who have paid their membership dues and maintain their active membership in ONF are authorized to use the ONF Marks as per their Membership Agreement and the ONF Member Trademark Terms and Conditions (a copy of which is located here:

https://www.opennetworking.org/images/stories/downloads/about/onf-operating-documents/trademark-policies/onf-member-trademark-terms-and-conditions.pdf). For ONF Members, all use of the ONF Marks must comply with your Membership Agreement, the ONF Member Trademark Terms and Conditions, and these Guidelines. By using one or more of the ONF Marks, ONF Members agree to comply with and that they are bound by their Membership Agreement, the ONF Member Trademark Terms and Conditions, and these Guidelines. For licensed nonmembers, by using one or more of the ONF Marks, you agree to comply with and that you are bound by your written and signed agreement with ONF granting you the right to use one or more of the ONF Marks and with these Guidelines. Nothing in these Guidelines shall be deemed to grant you a license to use the ONF Marks, and you must have an express written license from ONF to use the ONF Marks (unless otherwise expressly stated in paragraph L of these Guidelines regarding nominative fair uses). If you have questions about whether you have a right to use the ONF Marks or about proper use of the ONF Marks, please contact us at info@opennetworking.org.

A. ONF Marks

ONF exclusively owns all rights in and to the following ONF Marks, which you may use only if you have written permission from ONF. Except for the limited license expressly granted by ONF to you, ONF reserves all rights, titles, and interests in and to the ONF Marks. The ONF Marks are symbols of the quality, performance, and ease of use that people and businesses have come to associate with the work of ONF. To ensure that the ONF Marks continue to symbolize these values, we must ensure that the ONF Marks are only used in ways that do not mislead people or cause them to confuse ONF's work with that of other entities, ensure that the ONF Marks are not used by nonmembers to inappropriately represent themselves as affiliated with ONF or an ONF-associated project, and ensure that unlicensed nonmembers do not otherwise use the ONF Marks.

You must restrict your use solely to the ONF Marks shown below if you have written permission from ONF to do so. You may not use any other ONF-owned trademark, service mark, trade name, logo, or slogan without ONF's prior written consent.

1. <u>ONF Member Marks</u> - ONF Members in good standing may use the following ONF Members Marks solely to indicate their affiliation with ONF:

a. **OPEN NETWORKING FOUNDATION MEMBERTM** - Referred to in these Guidelines as the "ONF Member Word Mark"



b.

- Referred to in these Guidelines as the "ONF Member Logo"

The ONF Member Word Mark and the ONF Member Logo are collectively referred to in these Guidelines as the "ONF Member Marks."

ONF Members in good standing may use the ONF Member Marks to reference their membership in ONF on their company websites, on signage at industry events, in brochure material, in presentation material, in advertising, and in other similar promotional material.

You *may not* use the ONF Member Marks in the sale and/or marketing of any of your company's devices or services in any manner that could falsely indicate to consumers or others that your devices and/or services are compliant with the OpenFlow specification or the CORD project, ONOS project, or any other ONF-affiliated project. On marketing materials that feature any products that are not compliant with any ONF projects or protocols, the ONF Member Marks should not be used in close proximity to any such products.

Similarly, in a trade show booth, it would be appropriate to use the ONF Member Marks in an area of the booth that promotes your company's membership in ONF, commitment to the ONF projects (such as the ONOS and CORD projects), ONF protocols (such as the OpenFlow specification), and development of compliant products and/or services. Such use should be in a manner that does not indicate that your product or service is compliant with any ONF project or protocol when it is not.

If you have devices or services that are certified for compliance with the OpenFlow specification, you should use the OpenFlow Word Mark and/or OpenFlow Logos discussed below in Section (A)(2) to indicate such compliance.

If you have devices or services that are certified for compliance with the CORD project or ONOS project, you should use the CORD or ONOS marks discussed below in Sections (A)(3)(b) and (A)(4)(b).

Nonmembers may not use the ONF Member Marks under any circumstances.

2. OpenFlow Marks – ONF has three marks for use in connection with the OpenFlow specification and certified devices. If you have been granted a written license from ONF to do so, you may use the OpenFlow Marks (a) to identify ONF and discuss its activities, including the OpenFlow specification; (b) to show your support of ONF and its activities and/or your commitment to the OpenFlow specification and intended development of compliant devices; and (c) in connection with

certified devices and/or services. You may *not* use these OpenFlow Marks the in sale and/or marketing of your company's products or services in any manner that could falsely suggest or imply compliance of any device or service with the OpenFlow specification.

a. **OpenFlow®** - Referred to in these Guidelines as the "OpenFlow Word Mark"





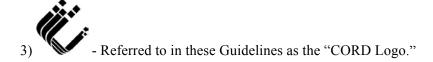
The logos shown in A(2)(b) and A(2)(c) above are referred to in these Guidelines as the "OpenFlow Logos." The OpenFlow Word Mark and the OpenFlow Logos are collectively referred to in these Guidelines as the "OpenFlow Marks."

3. CORD Marks -

a. **CORD Collaborator Marks**. ONF Members in good standing who are listed on the CORD project website as a member may use the following CORD Collaborator Marks solely to indicate their affiliation with ONF's CORD project:

1) **CORD**® - In addition, CORD members may use the marks CORD-XOSTM, CORD-TrellisTM, R-CORDTM, M-CORDTM, or E-CORDTM to indicate their affiliation with such platforms and solutions. All marks described in this Section A(3)(a)(1) are collectively referred to as the "CORD Word Mark."

2) **CORD® INNOVATING COLLABORATOR**TM - Referred to in these Guidelines as the "CORD Innovating Collaborator Word Mark"



The CORD Word Mark, CORD Innovating Collaborator Word Mark, and CORD Logo are collectively referred to in these Guidelines as the "CORD Collaborator Marks."

ONF Members in good standing who are listed on the CORD project website as members may use the CORD Collaborator Marks to reference their participation with the CORD project on their company websites, on signage at industry events, in brochure material, in presentation material, in advertising, and in other similar promotional material.

You *may not* use the CORD Collaborator Marks in the sale and/or marketing of any of your company's products or services in any manner that could falsely suggest or imply to consumers or others that your product or service is compliant with the CORD software or project. On marketing materials that feature

both product (or services) that are and are not compliant, the CORD Collaborator Marks should not be used in close proximity to any such non-compliant products (or services).

Similarly, in a trade show booth, it would be appropriate to use the CORD Collaborator Marks in an area of the booth that promotes your company's participation in the CORD project and development of compliant products and/or services. Such use should be in a manner that does not indicate that your products/services are compliant with the CORD software or project or any other ONF-related work when they are not.

Anyone other than an ONF Member in good standing shall not use the CORD Collaborator Marks under any circumstances.

b. Certification Marks. ONF Members in good standing who have devices or services that are certified by ONF as compliant with a particular CORD distribution, should use (a) the CORD Logo to indicate such compliance and certification, on and in connection with such certified products or services; and/or (b) the word mark "CORD Certified" (referred to hereafter as the "CORD Certified Word Mark") to indicate such compliance and certification, on and in connection with such certified products or services. Other than the CORD Logo and CORD Certified Word Mark, you may not use any other CORD Collaborator Marks to indicate product or service certification by ONF, notwithstanding anything to the contrary in these Guidelines. Anyone who does not have ONF certified devices or services shall not use the CORD Logo or CORD Certified Work Mark under any circumstances.

c. **OPENCORD Mark**. You may not use the OPENCORD mark without the express written permission of ONF to use such mark. Nothing in these Guidelines or the ONF Member Trademark Terms and Conditions shall be deemed as granting you any kind of license, express or implied, by estoppel or otherwise, to use the OPENCORD mark.

4. ONOS Marks –

- a. ONF Members in good standing may use the following ONOS Marks solely to indicate their affiliation with ONF's ONOS project:
 - 1) **ONOS**® Referred to in these Guidelines as the "ONOS Word Mark"
 - 2) **ONOS**® **COLLABORATOR**TM Referred to in these Guidelines as the "ONOS Collaborator Word Mark." Only ONF Members in good standing who are listed as ONF Members on the ONOS project website may use the ONOS Collaborator Word Mark.



- Referred to in these Guidelines as the "ONOS Logo."

The ONOS Word Mark, ONOS Collaborator Word Mark, and the ONOS Logo are collectively referred to in these Guidelines as the "ONOS Marks."

ONF Members in good standing may use the ONOS Marks to reference their participation with the ONOS project on their company websites, on signage at industry events, in brochure material, in presentation material, in advertising, and in other similar promotional material.

You *may not* use the ONOS Marks in the sale and/or marketing of any of your company's products or services in any manner that could falsely indicate to consumers or others that your product or service is compliant with the ONOS software or project. On marketing materials that feature both products (or services) that are and are not compliant, the ONOS Marks should not be used in close proximity to any such non-compliant products (or services).

Similarly, in a trade show booth, it would be appropriate to use the ONOS Marks in an area of the booth that promotes your company's participation in the ONOS project and development of compliant products and/or services. Such use should be in a manner that does not indicate that your products/services are compliant with the ONOS software or project or any other ONF-related work when they are not.

Anyone other than an ONF Member in good standing shall not use the ONOS Marks under any circumstances.

b. Certification Marks. ONF Members in good standing who have devices or services that are certified by ONF as compliant with a particular ONOS distribution, should use (a) the ONOS Logo to indicate such compliance and certification, on and in connection with such certified products or services; and/or (b) the word mark "ONOS Certified" (referred to hereafter as the "ONOS Certified Word Mark") to indicate such compliance and certification, on and in connection with such certified products or services. Other than the ONOS Logo and ONOS Certified Word Mark, you may not use any other ONOS Marks to indicate product or service certification by ONF, notwithstanding anything to the contrary in these Guidelines. Anyone other than an ONF Member in good standing shall not use the ONOS Logo or the ONOS Certified Work Mark under any circumstances.

5. Additional Definitions

The ONF Member Word Mark, the OpenFlow Word Mark, the CORD Word Mark, the CORD Innovating Collaborator Word Mark, the CORD Certified Word Mark, the ONOS Word Mark, the ONOS Collaborator Word Mark, and the ONOS Certified Word Mark are collectively referred to in these Guidelines as the "ONF Word Marks."

The ONF Member Logo, the OpenFlow Logos, the CORD Logo, and the ONOS Logo are collectively referred to in these Guidelines as the "ONF Logos."

The ONF Word Marks and ONF Logos are collectively referred to in these Guidelines as the "ONF Marks."

B. Prohibited Uses and Use Requirements

- 1. No False Certification Status; No False Affiliation.
- a. You *may not* use the ONF Marks in connection with the marketing, promotion, and/or sale of your products or services in a manner that might improperly indicate to consumers or others that your products or services are compliant with or certified in connection with the OpenFlow specification or any ONF project or protocol.

Example phrases that may NOT be used in conjunction with non-certified OpenFlow products and/or services include without limitation:

- OpenFlow Conformant
- OpenFlow Certified

- OpenFlow Software
- OpenFlow Hardware
- OpenFlow Distribution
- OpenFlow Compliant
- OpenFlow Compatible
- OpenFlow Ready
- OpenFlow Interoperable
- OpenFlow Product
- OpenFlow Switch
- OpenFlow Router
- OpenFlow Wireless Access Points

Example phrases that may be NOT be used with non-certified CORD products and/or services include without limitation:

- CORD Conformant
- CORD Certified
- CORD Software
- CORD Distribution
- CORD Compliant
- CORD Compatible
- CORD Ready
- CORD Interoperable
- CORD Product
- CORD Plug-In
- CORD Datacenter
- CORD Central Office

Example phrases that may be NOT be used with non-certified ONOS products and/or services include without limitation:

- ONOS Controller
- ONOS Conformant
- ONOS Certified
- ONOS Software
- ONOS Distribution
- ONOS Compliant
- ONOS Compatible
- ONOS Ready
- ONOS Interoperable
- ONOS Product
- ONOS Plug-In
- ONOS Application
- ONOS Switch

b. You must avoid use of the ONF Marks in any confusing proximity to the name, brand, or likeness of your company's products or services. Further, you *may not* use the ONF Marks in any manner that may imply that you are an agent of ONF; that may imply that ONF in any way warrants, approves, or endorses your organization or any product or service your organization provides; or that may

falsely imply any other affiliation or connection with ONF, the OpenFlow project, the CORD project, the ONOS project, or any other ONF-related work. Therefore, a minimum amount of space must remain empty around each of the ONF Marks. You *may not* use the ONF Marks on any of your company letterhead, business cards, or other stationary.

- 2. <u>No Disparagement</u>. You shall display the ONF Marks only in a positive manner. You may not use the ONF Marks in any way that disparages ONF, the OpenFlow specification, the CORD project, the ONOS project, or ONF's services or certification programs or other projects, or in any manner that would diminish or otherwise damage ONF's goodwill, including, but not limited to, uses that could be deemed to be obscene, pornographic, excessively violent, or otherwise in poor taste or unlawful, or with the purpose of encouraging unlawful activities.
- 3. No Incorporation with Another Mark or Name. You may not incorporate the ONF Marks into any other trade name, business name, product name, service name, domain name, logo, slogan, or other trademark. Do not combine or merge the ONF Marks with other graphics or text, or try to incorporate other graphical elements into the ONF Marks.
- 4. <u>No Ubiquitous Uses</u>. You must avoid ubiquitous uses of the ONF Marks. Thus, for example, you should not incorporate the ONF Marks into a background to be used at a trade show booth or as a watermark or background underlying a PowerPoint® presentation. Further, the ONF Marks may not be used as a design feature in any of your company materials.

C. Requirements Specific to Use of ONF Word Marks

- 1. When used in any of the ONF Word Marks, the terms "OpenFlow", "CORD," and "ONOS" should be displayed in text in bold format or in all capital letters (e.g., OPENFLOW). It is permissible for "OpenFlow" to be used with only the "O" and "F" capitalized (e.g., OpenFlow). There should never be a space between the words "Open" and "Flow." When using the ONF Word Marks, take care to avoid using them in any way that may be interpreted to be logos, such as a highly stylized typeface.
- 2. When using the ONF Word Marks, never vary the spelling, add hyphens, make one word two or more, use a similar mark, use a phonetic equivalent, use abbreviations, or otherwise alter or modify the ONF Word Marks.
- 3. Always use the ONF Word Marks as adjectives followed by a noun. For example, the OpenFlow Word Mark should always be followed by a noun such as "specification," "technology," or "protocol." Examples:

Okay: "Our product works with version 1.3.0 of the OpenFlow® specification."

Okay: "Our software is CORD® Inspired."

Okay: "Our product adheres to the principles of the CORD® Project."

Okav: "Our switch is compatible with version 10.1 of the ONOS® Controller."

Okay: "Our VNF is compatible with version 5.2 of the CORD® Project."

Not okay: "Our product gives you OpenFlow®."

Not okay: "OpenFlow® your product!"

The ONF Word Marks should never be used as verbs or nouns or in the plural or possessive forms.

- 4. Do not use the ONF Word Marks as standalone nouns. For example, do not state "OpenFlow® provides a remote controller the power to modify the behavior of network devices." Rather, the ONF Word Marks should each be followed by a noun, as described above.
- 5. The ONF Word Marks cannot be used in the name of any product (e.g., "PerfectOpenFlow" or "CustomCORD"). Further, the ONF Word Marks should not be used as part of the name, trademark, service mark, or domain name of any company or organization other than ONF. You must also take particular care not to adopt any name, trademark, service mark, or domain name that is confusingly similar to any ONF Word Mark.
- 6. The ONF Word Marks should not be translated into any other language, even if the ONF Word Marks are used in non-English speaking countries, without the prior written permission of ONF.
- 7. The ONF Word Marks should be accompanied by the version number of the applicable specification being referenced. Examples:

Okay: "Our product works with version 1.3.0 of the OpenFlow® specification."

Not Okay: "Our product works with the OpenFlow® specification."

D. Requirements Specific to Use of ONF Logos

- 1. The ONF Logos shall never be used or associated with products or services that are not compliant with the applicable ONF affiliated project (such as the OpenFlow, CORD, or ONOS projects) or to imply that a device or service is compliant when it is not.
- 2. The ONF Logos shall never be used in any manner that would imply endorsement by ONF of a specific company, its products, or its services. Further, the ONF Logos shall never be used in any manner that would imply the entire brand or company is certified.
- 3. The ONF Logos shall not be used in any company name, product name, trademark, service mark, or the like of any company or organization other than ONF. You must also take particular care not to adopt any name, trademark, or service mark that is confusingly similar to the ONF Logos.
- 4. Do not alter, change proportions, morph, rotate, shadow, stretch, animate, or otherwise distort the ONF Logos in perspective or appearance. You may not change the colors of the ONF Logos; provided, however, you may use the ONF Logos in black and white. The ONF Logos must be shown on a background that permits the viewer to clearly see the ONF Logos. You may only use the version of the applicable ONF Logo provided by ONF in electronic form; use of any artwork or graphic files from any other source is prohibited. JPEG files are pixel-based and should not be enlarged or scaled. Choose the correct size from the provided files and display it at 100%. Vector-based files may be sized while maintaining the aspect ratio.
- 5. The word portions of the ONF Logos should not be translated into any other language, even if the ONF Logos are used in non-English speaking countries, without the prior written permission of ONF.

- 6. When an ONF Logo is used on a certified product, it shall be placed directly on the certified product, or on product packaging and user manuals included with the certified product. If the ONF Logo is used on product packaging, it is recommended that it be placed on the front or prominent side of the packaging.
- 7. The ONF Logos may be used anywhere in electronic, broadcast, and print advertisements, and other promotional materials, such as product brochures and catalogues, which feature only the compliant product or service or multiple compliant products or services, as long as it is made clear that the ONF Logo is only associated with the products or services, as applicable, and not with any company. When used in connection with a textual reference to a compliant product or service, the applicable ONF Logo must be placed in a manner that does not lead a reader to believe that the ONF Logo is part of the product or service name.
- 8. If multiple products or services are featured in an advertisement or other promotional materials and some of them are not compliant, the applicable ONF Logo must be used only in conjunction with the compliant product or service and must be placed on, or directly adjacent to, an image of the compliant product or service or directly adjacent to a textual description of the compliant product or service. The ONF Logos must not be displayed in such a manner that creates an association with any non-compliant product or service or implies that any non-compliant product or service is in fact compliant.

E. Community-developed Implementations of the OpenFlow Specification

The OpenFlow Word Mark may be used in connection with implementations of the OpenFlow specification, but only if:

- 1) The implementation is released free of charge and under an Open Source Initiative-approved license;
- 2) the OpenFlow Word Mark is used in accordance with the usage requirements of these Guidelines; and
 - 3) the implementation complies completely with the OpenFlow specification.

The requirement of compliance with the OpenFlow specification is intended to reduce confusion by ensuring that implementations are interoperable with each other and otherwise of a uniformly high quality.

If you are using the OpenFlow Word Mark in connection with a community-developed implementation of the OpenFlow specification as described here, we require that you use the following notice legend:

"OpenFlow® is a registered and unregistered trademark of Open Networking Foundation in the United States and other countries. All rights reserved. Unauthorized use is strictly prohibited. This [implementation, software package, etc.] is not formally related to or endorsed by Open Networking Foundation or the official OpenFlow® project."

We realize that these requirements (such as "free of charge") may be ambiguous in some contexts. If in doubt, please contact us so we can talk through the specifics of your situation and issue guidance (and/or a license) as necessary and as deemed appropriate, in our discretion.

F. Events

You may use the ONF Word Marks as part of a name for non-commercial events such as meetups, if they are used in accordance with the requirements of these Guidelines, including prominent display of the disclaimer notice shown below on the event's website and other marketing materials. We reserve the right to review and object to any usage so you may wish to seek our approval before announcing your event.

If you are using an ONF Word Mark in connection with an event that is not affiliated with or endorsed by ONF, we require that you use the following notice legend and disclaimer:

"[Insert all ONF Marks that are referred to or displayed in the marketing or promotional material with the appropriate trademark notice symbol] are registered and unregistered trademarks of Open Networking Foundation in the United States and other countries. All rights reserved. Unauthorized use is strictly prohibited. This event is not formally related to or endorsed by Open Networking Foundation."

G. Merchandise

You may put the ONF Word Marks on t-shirts and other merchandise distributed at non-commercial events such as meetups, as long as such usage does not confuse consumers, disparage ONF or ONF-affiliated projects, or in some other way detract from the value of the OpenFlow specification, the CORD project, the ONOS project, or ONF. Do not put the ONF Word Marks on merchandise that is available for public sale (such as on cafepress.com or zazzle.com).

H. Trademark Notice

The registered trademark symbol ® or the unregistered trademark symbol TM (as applicable depending on the given ONF Mark you are using and the given country in which you are using the applicable ONF Mark) should appear with the first and most prominent use of the applicable ONF Word Mark in a document, major section, web page, and/or paragraph, and should appear with *all* occurrences of the ONF Logos. Different rules may apply depending on whether the particular ONF Mark has been registered in the particular country in which it is being used. Although some of the ONF Marks have been registered in several countries around the world, you should confer with ONF as to the status of the particular ONF Mark in the country at issue. Do not use the ® symbol for the ONF Marks in any country in which the applicable ONF Mark is not registered; falsely indicating that a mark is registered may trigger various civil and criminal penalties. If there is any doubt as to the appropriate trademark symbol to be used, you should use the unregistered trademark symbol TM. Ultimately, however, ONF has the right to determine which symbol is appropriate, and you may desire to confer with ONF as to which symbol to use when in doubt. Furthermore, the following rules apply:

- 1. The ® or TM symbol must appear in superscript.
- 2. There must be no space between the mark and the ® or TM symbol.
- 3. The ® or TM symbol must be large enough to be legible.

If you are only referring to the ONF trade association in word form (such as, for example, to state "We are a member of Open Networking Foundation"), that is corporate name usage and no special marking or permission is required.

I. Attribution

When using the ONF Marks, a statement attributing ownership of the ONF Marks to ONF should be included. The attribution legend should be printed in legible type and placed in a location typically used for copyright and other legal notices. You must use the following standard ONF legend in all materials bearing one or more of the ONF Marks:

"[Insert all ONF Marks that are referred to or displayed in the marketing or promotional material with the appropriate trademark notice symbol] are registered and unregistered trademarks of Open Networking Foundation in the United States and other countries. All rights reserved. Unauthorized use is strictly prohibited. [IF APPLICABLE DEPENDING ON THE CONTEXT OF USE, ADD:] This [company, event, etc.] is not formally related to or endorsed by Open Networking Foundation."

J. Modification to Guidelines; Detrimental Use of ONF Marks

ONF reserves the right to modify these Guidelines at any time or to revoke any and all allowed uses set forth in these Guidelines. If ONF notifies you that your use of an ONF Mark is detrimental to ONF or to the ONF Marks or is otherwise unacceptable, you must immediately cease using the ONF Marks (or, at ONF's request and in its discretion, modify the use of the ONF Marks).

K. Noncompliance

Compliance with these Guidelines is not optional. If you use the ONF Marks in violation of these Guidelines, ONF may, in its sole discretion, terminate your license to use the ONF Marks.

L. Nominative Use or Non-Trademark Use

Nothing in these Guidelines is intended to prevent your use of an ONF Word Mark in a manner that constitutes a fair use under the law. Nominative uses are uses that refer to a trademark in a factual manner, using only so much of the trademark as is necessary to convey information and doing nothing to imply sponsorship or endorsement by the trademark owner. Nominative uses may not require a license under trademark law. If you have questions about any of these uses and whether they constitute a trademark use that requires a license, please contact us.

Use of ONF Logos is *not* a nominative fair use and is not permitted without an express license granted by ONF. In addition, but without limitation, the following uses are *not* nominative fair uses: (1) Use of any ONF Word Mark in a domain name; (2) use of trademarks confusingly similar to the ONF Marks in product names; and (3) use of trademarks confusingly similar to the ONF Marks in company names.

M. Questions

These Guidelines will often be the start of a dialogue, not the end. If you have a question regarding permissible or impermissible use, please contact us at info@opennetworking.org.

LEGAL DISCLAIMER

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