

# .WS Emoji Domains v. 11.0 Beta

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Aligns with <https://www.unicode.org/reports/tr51/tr51-13.html>

## Summary

The .WS Registry uses Unicode Technical Standards (UTS) to provide a set of guidelines of how to support Emoji domain names. Emoji domains operate in the same manner as typical Internationalized Domain Names (IDN), using Punycode to represent Unicode characters by using ASCII.

## Versioning

To align with versioning numbers used by UTS (and subsequently Unicode), this version of the .WS Emoji Domains specification will be 11.0 . The previous version of this specification was .WS Emoji Domains 1.0 .

## Release Cycle for Version 11.0

The following chart shows the intended release cycle for new versions of the .WS Emoji Domains specification. The release cycle is closely mirrored to that of the Unicode Standard and Technical Standards. For Version 11, the following releases are scheduled.

2017 Q4

- Unicode adds Draft Emoji Candidates from Emoji 5.0 into Emoji 11.0 Beta
- WS Registry releases an update through EPP OT&E channels with updates that conform to Unicode Emoji 11.0 beta (this document).

2018 Q1

- Unicode announces finalized list of Emoji to be introduced in Emoji 11.0
- WS Registry introduces Emoji 11.0 to production EPP channels, as well as through website.ws .

Exact release dates are decided by Unicode. To follow news, announcements, and other updates from Unicode, we recommend checking the Unicode Blog: <http://blog.unicode.org> .

## Implementation

See: <https://www.website.ws/WSEmojiMappingTable.txt>

The .WS Registry does not require EPP registrars to make any changes to their EPP clients to be able to work with .WS Emoji Domains. As with any domain name transaction performed with our EPP servers, domain name validation is performed automatically. However, the table available at

<https://www.website.ws/WSEmojiMappingTable.txt> lists individual Emoji and their eligibility for use in .WS Emoji Domains.

## Additions to This Version

In response to changes introduced by the latest beta version of TR51, the following changes have been added to the .WS Emoji Domains specification.

### Emoji Glyph Facing Direction

See <https://www.unicode.org/reports/tr51/tr51-13.html#Direction>



This proposed version of TR51 introduces the ability to change the facing direction of an Emoji, limited to left or right. The .WS Registry has deemed such sequences as **invalid** for the following reasons:

1. As the Emoji Specification does not define the "default" direction a specific Emoji must display, it is up to the implementing vendor to decide how they wish to visually represent the codepoint. As a result, the potential for visually confusing characters is high.
2. The protocol for introducing new Emoji that may be sequenced with a facing direction is the same as submitting a new Emoji proposal. Because there are no currently-defined RGI sequences for supported Emoji Glyph Facing Direction, the .WS Registry will prevent such combinations from registration.
3. Emoji are compatible for use with bi-directional (Bidi), but how vendors choose to interpret Emoji directional modifiers within Bidi input is not known. To allow for better interoperability with future considerations of .WS Emoji domains (such as allowing for the combination of RTL languages [Hebrew, etc.] with Emoji), such Glyph Facing Direction combinations are disallowed.

### Rules for Detection

The following rules are implemented at the .WS Registry to check for domain name validation, particularly relating to the usage of Emoji Glyph Facing Direction:

The following codepoints are defined by TR-51 as the directionally-modifying characters for use in Emoji sequences:

| Codepoint | Text Representation | Example Emoji  | CLDR Short Name |
|-----------|---------------------|--|-----------------|
| U+27A1    | →                   |  | right arrow     |
| U+2B05    | ←                   |  | left arrow      |

Any domain names that contain the above codepoints **directly after** any other Emoji character will be returned as "Unavailable".











Should a document be published for Unicode defining which Emoji may be combined with the above codepoints, the restriction of domain registrations containing these Emoji may be reduced.








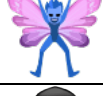









## Skin Tone Modifiers







### Vampire (Genderless, Man, and Woman)

See [https://www.unicode.org/reports/tr51/tr51-13.html#Emoji\\_Modifiers\\_Display](https://www.unicode.org/reports/tr51/tr51-13.html#Emoji_Modifiers_Display)






Per specification, skin tone modifiers are supported for any Emoji that has visible skin. However, for base Emoji containing non-realistic skin tones (such as those for Vampire), the .WS Registry has deemed that registration of such Emoji with skin tone modifiers are not permitted. This is due to wildly varying implementations by vendors as to how each skin tone is represented. The following codepoints as defined by [LINK] may not contain skin tone modifiers when registered at the .WS Registry.

| Codepoint                            | Example Emoji   | CLDR Short Name                     |
|--------------------------------------|---|-------------------------------------|
| U+1F9DA                              |   | fairy                               |
| U+1F9DA U+1F3FB                      |  | fairy: light skin tone              |
| U+1F9DA U+1F3FC                      |  | fairy: medium-light skin tone       |
| U+1F9DA U+1F3FD                      |  | fairy: medium skin tone             |
| U+1F9DA U+1F3FE                      |  | fairy: medium-dark skin tone        |
| U+1F9DA U+1F3FF                      |  | fairy: dark skin tone               |
| U+1F9DA U+200D U+2640 U+FE0F         |  | woman fairy                         |
| U+1F9DA U+1F3FB U+200D U+2640 U+FE0F |  | woman fairy: light skin tone        |
| U+1F9DA U+1F3FC U+200D U+2640 U+FE0F |  | woman fairy: medium-light skin tone |
| U+1F9DA U+1F3FD U+200D U+2640 U+FE0F |  | woman fairy: medium skin tone       |

|   |   |                                       |
|---|---|---------------------------------------|
| U+1F9DA U+1F3FE U+200D U+2640<br>U+FE0F |    | woman fairy: medium-dark skin tone    |
| U+1F9DA U+1F3FF U+200D U+2640<br>U+FE0F |    | woman fairy: dark skin tone           |
| U+1F9DA U+200D U+2642 U+FE0F            |    | man fairy                             |
| U+1F9DA U+1F3FB U+200D U+2642<br>U+FE0F |    | man fairy: light skin tone            |
| U+1F9DA U+1F3FC U+200D U+2642<br>U+FE0F |    | man fairy: medium-light skin tone     |
| U+1F9DA U+1F3FD U+200D U+2642<br>U+FE0F |    | man fairy: medium skin tone           |
| U+1F9DA U+1F3FE U+200D U+2642<br>U+FE0F |    | man fairy: medium-dark skin tone      |
| U+1F9DA U+1F3FF U+200D U+2642<br>U+FE0F |    | man fairy: dark skin tone             |
| U+1F9DB                                 |   | vampire                               |
| U+1F9DB U+1F3FB                         |  | vampire: light skin tone              |
| U+1F9DB U+1F3FC                         |  | vampire: medium-light skin tone       |
| U+1F9DB U+1F3FD                         |  | vampire: medium skin tone             |
| U+1F9DB U+1F3FE                         |  | vampire: medium-dark skin tone        |
| U+1F9DB U+1F3FF                         |  | vampire: dark skin tone               |
| U+1F9DB U+200D U+2640 U+FE0F            |  | woman vampire                         |
| U+1F9DB U+1F3FB U+200D U+2640<br>U+FE0F |  | woman vampire: light skin tone        |
| U+1F9DB U+1F3FC U+200D U+2640<br>U+FE0F |  | woman vampire: medium-light skin tone |

|   |  |                                      |
|---|--|--------------------------------------|
| U+1F9DB U+1F3FD U+200D U+2640<br>U+FE0F |   | woman vampire: medium skin tone      |
| U+1F9DB U+1F3FE U+200D U+2640<br>U+FE0F |   | woman vampire: medium-dark skin tone |
| U+1F9DB U+1F3FF U+200D U+2640<br>U+FE0F |   | woman vampire: dark skin tone        |
| U+1F9DB U+200D U+2642 U+FE0F            |   | man vampire                          |
| U+1F9DB U+1F3FB U+200D U+2642<br>U+FE0F |   | man vampire: light skin tone         |
| U+1F9DB U+1F3FC U+200D U+2642<br>U+FE0F |   | man vampire: medium-light skin tone  |
| U+1F9DB U+1F3FD U+200D U+2642<br>U+FE0F |   | man vampire: medium skin tone        |
| U+1F9DB U+1F3FE U+200D U+2642<br>U+FE0F |   | man vampire: medium-dark skin tone   |
| U+1F9DB U+1F3FF U+200D U+2642<br>U+FE0F |  | man vampire: dark skin tone          |

The following Codepoints are also disallowed, though they are not currently valid sequences according to the Unicode specification. The .WS Registry has opted to proactively prevent registration of these Emoji with skin tone variants for a similar reason as the above chart. These are humanoid Emoji, but do not have "realistic" skin tones.







| Codepoint                    | Example Emoji   | CLDR Short Name |
|------------------------------|---|-----------------|
| U+1F9DE                      |  | genie           |
| U+1F9DE U+200D U+2640 U+FE0F |  | woman genie     |
| U+1F9DE U+200D U+2642 U+FE0F |  | man genie       |
| U+1F9DF                      |  | zombie          |
| U+1F9DF U+200D U+2640 U+FE0F |  | woman zombie    |

|                              |   |            |
|------------------------------|---|------------|
| U+1F9DF U+200D U+2642 U+FE0F |  | man zombie |
|------------------------------|---|------------|

## Homographic Emoji

See: [https://unicode.org/emoji/charts-beta/emoji-released.html#recent\\_changes](https://unicode.org/emoji/charts-beta/emoji-released.html#recent_changes)

The following Emoji proposed in Unicode Version 11 are disallowed by the .WS Registry due to concerns related to homography.

| Codepoint                   | Example Emoji   | CLDR Short Name    |
|-----------------------------|---|--------------------|
| X1F9B8                      |    | superhero          |
| X1F9B8 U+200D U+2640 U+FE0F |    | woman superhero    |
| X1F9B8 U+200D U+2642 U+FE0F |    | man superhero      |
| X1F9B9                      |   | supervillain       |
| X1F9B9 U+200D U+2640 U+FE0F |  | woman supervillain |
| X1F9B9 U+200D U+2642 U+FE0F |  | man supervillain   |