Re: UTS #51: add skin-tone/gender info for groups

From: Mark Davis, ESC

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The following are proposed fixes for issues that were found when looking into the gender / skin tone issues.

1. Missing item

The table of explicit genders in UTS #51 is missing one value, which should be added to that table. The PERSON WITH BEARD is currently treated as gendered. That is, it doesn't take the male/female sign modifiers. So it belongs in the table.

\x{1F9D4}	☐	BEARDED PERSON

Note that this does not prevent it from becoming unspecified-gender in the future; it simply reflects the current situation.

2. **Multi Person Groupings**

We should add a table of exactly which emoji we consider groups (for the purpose of skintones and/or gender) to the section Multi Person Groupings in UTS #51.

Along with that information, we should describe exactly how one would add skintones or gender to those groups, much as we describe how one would support direction. In some cases, we'd be just describing how current RGI sequences are formed. In others we'd be describing how vendors would specify the forms. (The specification is important, so that the choice of *which* valid forms to use is consistent across those vendors that would use them.)

> [Ed notes: The text assumes that the draft candidate STANDING PERSON X1F9CD 🧍 is approved, and that <X1F9CD ZWJ X1F9CD> is added as RGI for "couple holding hands".
>
> There is a separate proposal to make the couple holding hands have skin tones. If so, some of the text would need to be changed.]

Suggested text:

The group emoji that may have different gender and/or skin tones are the following.

Hex	Sample Image	CLDR Name
U+1F91D	🤝	handshake
U+1F46F	👯	people with bunny ears
U+1F93C	🤼	people wrestling
U+1F46B	👫	man and woman holding hands

U+1F46C	👬	two men holding hands
U+1F46B	👫	two women holding hands
U+1F48F	💏	kiss
U+1F491	💑	couple with heart
U+1F46A	👪	family

There are some other group emoji that would share the same gender and skin tone, such as *folded hands*: 🙏 . As far as gender and skin-tone go, these just behave like the non-group emoji, such as 👍 , and so need no special treatment.

Gender

The group emoji characters have unspecified gender, unless modified, with the exception of the couples holding hands.

The handshake does not provide for gender differences.

Gender is applied to kiss, couple with heart, and family by using composition with MAN, WOMAN, PERSON, BOY, GIRL, CHILD, such as the following. These are all RGI.

U+1F469 U+200D U+2764 U+FE0F U+200D U+1F48B U+200D U+1F468	kiss: woman, man

Gender is applied to couples with bunny ears, wrestling, holding hands also by composition, s follows. The first two character use a composition that duplicates the characters. These are not RGI, but are included to specify how mixed gender would be represented. Note that there is already a compact form for when all members of the group share the same gender.

people with bunny ears	👯	RGI
men with bunny ears	👯 [ZWJ] ♂	RGI
women with bunny ears	👯 [ZWJ] ♀	RGI
woman and man with bunny ears	👯 [ZWJ] ♀ [ZWJ] 👯 [ZWJ] ♂	**not RGI**
people wrestling	🤼	RGI
men wrestling	🤼 [ZWJ] ♂	RGI
women wrestling	🤼 [ZWJ] ♀	RGI
woman and man wrestling	🤼 [ZWJ] ♀ [ZWJ] 🤼 [ZWJ] ♂	**not RGI**
people holding hands	🧍 [ZWJ] 🧍	RGI (U12)

Skin Tones

Skin tones can be applied to groups as follows. Some of these are supported on current platforms already, but none are yet RGI.

1. If all of the human-form images in the emoji have the same skin tone, then that Emoji_Modifier appears after the first Emoji_Modifier_Base, and there are no other Emoji_Modifier characters. This follows the same compact form used in previous versions of this specification for gender of groups.
2. Otherwise, a single-character emoji is expanded into the corresponding sequence (if not already) and each Emoji_Modifier_Base is followed by an Emoji_Modifier.

The following table illustrates this mechanism. (The table does not list all examples, because that would be far too large.)

handshake	🤝
handshake: S4	🤝 ■
handshake: S4 & S6	🤝 ■ [ZWJ] 🤝 ■
people with bunny ears	👯
people with bunny ears: S4	👯 ■
women with bunny ears: S4	👯 ■ [ZWJ] ♀
woman with bunny ears: S4, S6	👯 ■ [ZWJ] ♀ 👯 ■ [ZWJ] ♀
woman and man with bunny ears	👯 [ZWJ] ♀ [ZWJ] 👯 [ZWJ] ♂
woman and man with bunny ears: S4	👯 ■ [ZWJ] ♀ [ZWJ] 👯 [ZWJ] ♂
woman and man with bunny ears: S4,S6	👯 ■ [ZWJ] ♀ [ZWJ] 👯 ■ [ZWJ] ♂
man and woman holding hands	👫
man and woman holding hands: S4	👫 ■
man and woman holding hands: S4, S6	🧍 ■ [ZWJ] ♂ [ZWJ] 🧍 ■ [ZWJ] ♀
couple holding hands	🧍 [ZWJ] 🧍
couple holding hands: S4	🧍 ■ [ZWJ] 🧍
couple holding hands: S4, S6	🧍 ■ [ZWJ] 🧍 ■
family	👪
family: S4	👪 ■
family: woman, woman, girl, girl	👩 [ZWJ] 👩 [ZWJ] 👧 [ZWJ] 👧
family: woman, woman, girl: S4	👩 ■ [ZWJ] 👩 [ZWJ] 👧 [ZWJ] 👧

family: woman, woman, girl: S4, S6, S1, S4 👩🟫‍ZWJ👩🟫‍ZWJ👧🟨‍ZWJ👧🟫