Recommendations for Gendered Emoji ZWJ Sequences for Unicode 13.0, Phase 2

From: Jennifer Daniel and the Emoji Subcommittee (ESC)
To: Unicode Technical Committee (UTC)
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Version: 1.0
Introduction

Last April, the ESC recommended Unicode move forward with 23 “gender inclusive” emojis using established adult + object patterns.

This leaves a number of emojis that are explicitly gendered with missing base “gender inclusive” variants.

The Emoji Subcommittee is recommending 54 new sequences be added to Emoji 13.0 to fill these gaps and create a meaningful user experience. This follows priorities set out in 19-101, as well as details of vendors intention to display gender inclusive emoji designs from 2019 onward, noted in 19-078.

This would also require the removal of five emojis from the “explicit gender appearance” list in UTS TR-51.

RELEVANT DOCUMENTS

1. L2/19-078 Using Gender Inclusive Designs For existing code points which do not specify gender
2. L2/17-232 Proposal for Fully Gender-Inclusive Emoji
3. L2/17-195 Add Emoji Gender Properties
4. L2/16-160 Expanding Emoji Professions: Reducing Gender Inequality
5. L2/15-048 Adding gender counterparts to emoji list?
6. L2/180 Gender Emoji Strategy
7. L2/17-287 ESC Recommendations
Proposal Overview

**GROUP 1**
UTS-51 Change and New ZWJ Sequence
(Object+ Person)

- **MX CLAUS**
  🧑 + 🎄

**GROUP 2**
Design, CLDR name change, UTS-51 Change

- **PERSON WITH SKULLCAP**
- **MIX CLAUS**
  🧑 + 🎄
- **LEVITATING BUSINESS PERSON**

**GROUP 3**
New ZWJ sequences, design, CLDR name change, UTS-51 change

- **PERSON WITH VEIL**
- **PERSON FEEDING BABY**
- **PERSON IN TUXEDO**
- **MAN WITH VEIL**
- **MAN FEEDING BABY**
- **MAN IN TUXEDO**
- **WOMAN WITH VEIL**
- **WOMAN FEEDING BABY**
- **WOMAN IN TUXEDO**
New ZWJ Pattern

This additional ZWJ sequence is recommended for General Interchange (RGI) using the standard format of WOMAN (or MAN or ADULT) + Object.

This emoji is an outliers from the 23 approved in May, in that their M/F partners are explicitly gendered so it requires a new pattern.

<table>
<thead>
<tr>
<th>№</th>
<th>IMG</th>
<th>TYPE</th>
<th>SUBTYPE</th>
<th>ZWJ</th>
<th>NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>👤جسد</td>
<td>Person-Object</td>
<td>role</td>
<td>🧑‍🎄</td>
<td>Mx Claus</td>
</tr>
</tbody>
</table>
Proposed ZWJ Sequences

List of new sequences proposed for addition in the Emoji 13.0 data files. **Total new sequences: 6.**

# Emoji_ZWJ_Sequence: Role

<table>
<thead>
<tr>
<th>Sequence</th>
<th>Role</th>
<th>Skin Tone</th>
<th>Emoji 13.0</th>
<th>[1]</th>
</tr>
</thead>
<tbody>
<tr>
<td>1F9D1 200D 1F384</td>
<td>Emoji_ZWJ_Sequence</td>
<td>mx claus</td>
<td>🧑 🎄</td>
<td></td>
</tr>
<tr>
<td>1F9D1 1F3FB 200D 1F384</td>
<td>Emoji_ZWJ_Sequence</td>
<td>mx claus: light skin tone</td>
<td>🧑🏻 🎄</td>
<td></td>
</tr>
<tr>
<td>1F9D1 1F3FC 200D 1F384</td>
<td>Emoji_ZWJ_Sequence</td>
<td>mx claus: medium light skin tone</td>
<td>🧑🏼 🎄</td>
<td></td>
</tr>
<tr>
<td>1F9D1 1F3FD 200D 1F384</td>
<td>Emoji_ZWJ_Sequence</td>
<td>mx claus: medium skin tone</td>
<td>🧑🏽 🎄</td>
<td></td>
</tr>
<tr>
<td>1F9D1 1F3FE 200D 1F384</td>
<td>Emoji_ZWJ_Sequence</td>
<td>mx claus: medium dark skin</td>
<td>🧑🏾 🎄</td>
<td></td>
</tr>
<tr>
<td>1F9D1 1F3FF 200D 1F384</td>
<td>Emoji_ZWJ_Sequence</td>
<td>mx claus: dark skin tone</td>
<td>🧑🏿 🎄</td>
<td></td>
</tr>
</tbody>
</table>
This requires no additional ZWJ sequences, the ESC is recommending “Man With Chinese Cap” and “Levitating Business Person” be removed from the explicitly gendered list and present as “gender inclusive” rather than “male”.

**Total new sequences: 0.**

<table>
<thead>
<tr>
<th>№</th>
<th>IMG</th>
<th>TO GENERATE CODES</th>
<th>TYPE</th>
<th>ZWJ</th>
<th>NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td><img src="image1" alt="Man with Chinese Cap" /></td>
<td>Rename “Man with Chinese Cap” to “Person with skullcap”</td>
<td>Sign-format base</td>
<td>🧢</td>
<td>PERSON WITH SKULLCAP</td>
</tr>
<tr>
<td>3</td>
<td><img src="image2" alt="Levitating Business Person" /></td>
<td>Rename “Levitating business man” to “levitating business person”</td>
<td>Sign-format base</td>
<td>🤷‍♂️</td>
<td>LEVITATING BUSINESS PERSON</td>
</tr>
</tbody>
</table>
GROUP 3: Gender Sign ZWJ Sequences

Gender Sign ZWJ Sequences

This list of emojis requires us to remove existing emoji from the “explicitly gendered list” and adding gender sign formats.

Unlike male and female emojis that use the gender sign to denote gender, “gender inclusive” emojis encodings should remain ambiguous and neutral — meaning they shouldn’t be attached to gender symbols.

A number of gendered emoji sequences exist using a Gender Sign format of BASE EMOJI + GENDER SIGN. Eg: U+1F3C3 RUNNER + U+2640 FEMALE SIGN to create the Woman Runner ZWJ sequence.

The full number of new images is 6 * 6 = 36
CHANGE BASE CHARACTER FROM FEMALE TO PERSON

PERSON FEEDING BABY

MAN FEEDING BABY

WOMAN FEEDING BABY

PERSON WITH VEIL

MAN WITH VEIL

WOMAN WITH VEIL

PERSON IN TUXEDO

MAN IN TUXEDO

WOMAN IN TUXEDO

CHANGE BASE CHARACTER FROM MALE TO PERSON
### GROUP 3: Gender Sign ZWJ Sequences

*Emoji already exists. To generate codes we would need to rename these from gendered emojis to person emojis.

<table>
<thead>
<tr>
<th>№</th>
<th>IMG</th>
<th>TO GENERATE CODES</th>
<th>TYPE</th>
<th>ZWJ</th>
<th>NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>3*</td>
<td>🌹</td>
<td>Rename to “feeding”.</td>
<td>Sign-format base</td>
<td>🌹</td>
<td>PERSON FEEDING BABY</td>
</tr>
<tr>
<td>4</td>
<td>🌹</td>
<td></td>
<td>Sign-format base</td>
<td>🌹 + ♂</td>
<td>MAN FEEDING BABY</td>
</tr>
<tr>
<td>5</td>
<td>🌹</td>
<td></td>
<td>Sign-format base</td>
<td>🌹 + ♀</td>
<td>WOMAN FEEDING BABY</td>
</tr>
<tr>
<td>9*</td>
<td>🌹</td>
<td>Rename to “person in tuxedo”.</td>
<td>Sign-format base</td>
<td>🌹</td>
<td>PERSON IN TUXEDO</td>
</tr>
<tr>
<td>10</td>
<td>🌹</td>
<td></td>
<td>Sign-format base</td>
<td>🌹 + ♂</td>
<td>MAN IN TUXEDO</td>
</tr>
<tr>
<td>11</td>
<td>🌹</td>
<td></td>
<td>Sign-format base</td>
<td>🌹 + ♀</td>
<td>WOMAN IN TUXEDO</td>
</tr>
<tr>
<td>12*</td>
<td>🌹</td>
<td>Rename to “person with veil”.</td>
<td>Sign-format base</td>
<td>🌹</td>
<td>PERSON IN VEIL</td>
</tr>
<tr>
<td>13</td>
<td>🌹</td>
<td></td>
<td>Sign-format base</td>
<td>🌹 + ♂</td>
<td>MAN IN VEIL</td>
</tr>
<tr>
<td>24</td>
<td>🌹</td>
<td></td>
<td>Sign-format base</td>
<td>🌹 + ♀</td>
<td>WOMAN IN VEIL</td>
</tr>
</tbody>
</table>
Proposed ZWJ Sequences

List of new sequences proposed for addition in the Emoji 13.0 data files. Total new sequences: 126.

# Emoji_ZWJ_Sequence: Role

1F935 200D 2642 FE0F ; Emoji_ZWJ_Sequence; man in tuxedo
1F935 1F3FB 200D 2642 FE0F; Emoji_ZWJ_Sequence; man in tuxedo: light skin tone
1F935 1F3FC 200D 2642 FE0F; Emoji_ZWJ_Sequence; man in tuxedo: medium-light skin tone
1F935 1F3FD 200D 2642 FE0F; Emoji_ZWJ_Sequence; man in tuxedo: medium skin tone
1F935 1F3FE 200D 2642 FE0F; Emoji_ZWJ_Sequence; man in tuxedo: medium-dark skin tone
1F935 1F3FF 200D 2642 FE0F; Emoji_ZWJ_Sequence; man in tuxedo: dark skin tone
1F935 200D 2640 FE0F ; Emoji_ZWJ_Sequence; woman in tuxedo
1F935 1F3FB 200D 2640 FE0F; Emoji_ZWJ_Sequence; woman in tuxedo: light skin tone
1F935 1F3FC 200D 2640 FE0F; Emoji_ZWJ_Sequence; woman in tuxedo: medium-light skin tone
1F935 1F3FD 200D 2640 FE0F; Emoji_ZWJ_Sequence; woman in tuxedo: medium skin tone
1F935 1F3FE 200D 2640 FE0F; Emoji_ZWJ_Sequence; woman in tuxedo: medium-dark skin tone
1F935 1F3FF 200D 2640 FE0F; Emoji_ZWJ_Sequence; woman in tuxedo: dark skin tone
1F931 200D 2640 FE0F ; Emoji_ZWJ_Sequence; woman feeding baby
1F931 1F3FB 200D 2640 FE0F; Emoji_ZWJ_Sequence; woman feeding baby: light skin tone
1F931 1F3FC 200D 2640 FE0F; Emoji_ZWJ_Sequence; woman feeding baby: medium-light skin tone
1F931 1F3FD 200D 2640 FE0F; Emoji_ZWJ_Sequence; woman feeding baby: medium skin tone
1F931 1F3FE 200D 2640 FE0F; Emoji_ZWJ_Sequence; woman feeding baby: medium-dark skin tone
1F931 1F3FF 200D 2640 FE0F; Emoji_ZWJ_Sequence; woman feeding baby: dark skin tone
1F931 200D 2642 FE0F ; Emoji_ZWJ_Sequence; man feeding baby
1F931 1F3FB 200D 2642 FE0F; Emoji_ZWJ_Sequence; man feeding baby: light skin tone
1F931 1F3FC 200D 2642 FE0F; Emoji_ZWJ_Sequence; man feeding baby: medium-light skin tone
1F931 1F3FD 200D 2642 FE0F; Emoji_ZWJ_Sequence; man feeding baby: medium skin tone
1F931 1F3FE 200D 2642 FE0F; Emoji_ZWJ_Sequence; man feeding baby: medium-dark skin tone
1F931 1F3FF 200D 2642 FE0F; Emoji_ZWJ_Sequence; man feeding baby: dark skin tone
Proposed ZWJ Sequences


# Emoji_ZWJ_Sequence: Role

1F470 200D 2640 FE0F ; Emoji_ZWJ_Sequence ; woman with veil
1F470 1F3FB 200D 2640 FE0F; Emoji_ZWJ_Sequence ; woman with veil: light skin tone
1F470 1F3FD 200D 2640 FE0F; Emoji_ZWJ_Sequence ; woman with veil: medium skin tone
1F470 1F3FE 200D 2640 FE0F; Emoji_ZWJ_Sequence ; woman with veil: medium-dark skin tone
1F470 1F3FF 200D 2640 FE0F; Emoji_ZWJ_Sequence ; woman with veil: dark skin tone
1F470 200D 2642 FE0F ; Emoji_ZWJ_Sequence ; man with veil
1F470 1F3FB 200D 2642 FE0F; Emoji_ZWJ_Sequence ; man with veil: light skin tone
1F470 1F3FC 200D 2642 FE0F; Emoji_ZWJ_Sequence ; man with veil: medium-light skin tone
1F470 1F3FD 200D 2642 FE0F; Emoji_ZWJ_Sequence ; man with veil: medium skin tone
1F470 1F3FE 200D 2642 FE0F; Emoji_ZWJ_Sequence ; man with veil: medium-dark skin tone
1F470 1F3FF 200D 2642 FE0F; Emoji_ZWJ_Sequence ; man with veil: dark skin tone
The inclusion of the above emojis requires the removal of five emojis from the “explicitly gendered appearance” list documented in TR-51.

These emojis include:

- Bride with Veil: U+1F470
- Breastfeeding: U+1F931
- Man in Tuxedo: U+1F935
- Man in Suit Levitating: U+1F574
- Man in Chinese Cap: U+1F472
That leaves … seven remaining gendered emojis

What about PRINCESS, PRINCE, WOMAN DANCING, MAN DANCING, BEARDED MAN, and WOMAN IN HEADSCARF which remain as explicitly gendered with no “inclusive” option?

Until we have confidence on the right encoding path new ZWJs are not being proposed at this time for Unicode 13.0.
Appendix
“Other than the above list [see following page], human-form emoji should normally be depicted in a gender-neutral way unless gender appearance is explicitly specified” — *TR-51, Emoji Documentation*
Explicitly Gendered Emojis according to TR-51

**FEMALE**
- Girl: U+1F467
- Woman: U+1F469
- Older Woman: U+1F475
- Two Women Holding Hands: U+1F46D
- Princess: U+1F478
- Woman Dancing: U+1F483
- Mrs. Claus: U+1F936
- Man and Woman Holding Hands: U+1F468
- Bride with Veil: U+1F470
- Pregnant Woman: U+1F930
- Breastfeeding: U+1F931
- Woman with Headscarf: U+1F905

**MALE**
- Boy: U+1F466
- Man: U+1F468
- Older Man: U+1F474
- Two Men Holding Hands: U+1F46C
- Prince: U+1F934
- Man Dancing: U+1F57A
- Santa Claus: U+1F385
- Man in Tuxedo: U+1F935
- Bearded Person: U+1F904
- Man in Suit Levitating: U+1F574
- Man in Chinese Cap: U+1F472
Two Possible Paths Forward

This leaves four remaining emojis. There are two possible ZWJ paths:

1. Employ a person+object approach
2. Remove gendered emojis from the gendered list.

The latter set of sequences are more consistent and scalable, but would require additional sequences as a result.

Note: Skin-tone modifiers are omitted from the charts.

Option 1:
The full number of images is $2 \times 6 = 12$

Option 2:
The full number of images is $4 \times 6 = 24$
Two Possible Paths Forward

Person + Object

Dancer

Head of State

Remove Gendered Emojis from Gendered List

Flamenco Dancer

Disco Dancer

Princess

Prince

ZWJ SEQUENCES NOT BEING PROPOSED AT THIS TIME