

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

L2/19-231

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To: Unicode Technical Committee (UTC)

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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 apperance” 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
2. [L2/17-195](#) Add Emoji Gender Properties
3. [L2/17-071](#) Gender-Neutral Human-form Emoji
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



LEVITATING BUSINESS
PERSON



GROUP 3

New ZWJ sequences, design, CLDR name change, UTS-51 change



PERSON WITH VEIL



MAN WITH VEIL



WOMAN WITH VEIL



PERSON FEEDING BABY



MAN FEEDING BABY



WOMAN FEEDING BABY



PERSON IN TUXEDO



MAN IN TUXEDO



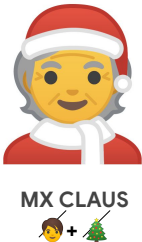
WOMAN IN TUXEDO



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.



Nº	IMG	TYPE	SUBTYPE	ZWJ	NAME
1		Person-Object	role	 + 	Mx Claus

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

1F9D1 200D 1F384 ; Emoji_ZWJ_Sequence ; mx claus

1F9D1 1F3FB 200D 1F384 ; Emoji_ZWJ_Sequence ; mx claus : light skin tone

1F9D1 1F3FC 200D 1F384 ; Emoji_ZWJ_Sequence ; mx claus: medium light skin tone

1F9D1 1F3FD 200D 1F384 ; Emoji_ZWJ_Sequence ; mx claus: medium skin tone

1F9D1 1F3FE 200D 1F384 ; Emoji_ZWJ_Sequence ; mx claus: medium dark skin

1F9D1 1F3FF 200D 1F384 ; Emoji_ZWJ_Sequence ; mx claus : dark skin tone

13.0 [1] (🧑 🌲)

13.0 [1] (🧑 🌲)

13.0 [1] (🧑 🌲)

13.0 [1] (🧑 🌲)

13.0 [1] (🧑 🌲)

13.0 [1] (🧑 🌲)

Design and CLDR Name Change; UTS 51 change

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.



Nº	IMG	TO GENERATE CODES	TYPE	ZWJ	NAME
2		Rename “Man with Chinese Cap” to “Person with skullcap”	Sign-format base		PERSON WITH SKULLCAP
3		Rename “Levitating business man” to “levitating business person”	Sign-format base		LEVITATING BUSINESS PERSON

Gender Sign ZWJ Sequences

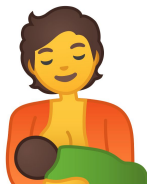
This list of emojis requires us to remove existing emoji from the “explicitly gendered list” and adding gender sign formats.

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



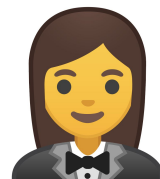
... FROM MALE TO PERSON



PERSON IN TUXEDO



MAN IN TUXEDO



WOMAN IN TUXEDO



GROUP 3: Gender Sign ZWJ Sequences

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

Nº	IMG	TO GENERATE CODES	TYPE	ZWJ	NAME
3*		Rename to "feeding".	Sign-format base		PERSON FEEDING BABY
4			Sign-format base	 + 	MAN FEEDING BABY
5			Sign-format base	 + 	WOMAN FEEDING BABY

Nº	IMG	TO GENERATE CODES	TYPE	ZWJ	NAME
9*		Rename to "person in tuxedo".	Sign-format base		PERSON IN TUXEDO
10			Sign-format base	 + 	MAN IN TUXEDO
11			Sign-format base	 + 	WOMAN IN TUXEDO
12*		Rename to "person with veil".	Sign-format base		PERSON IN VEIL
13			Sign-format base	 + 	MAN IN VEIL
24			Sign-format base	 + 	WOMAN IN VEIL

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	. # 13.0	[1]	(👨🏻)
1F935 1F3FB 200D 2642 FE0F	; Emoji_ZWJ_Sequence	; man in tuxedo: light skin tone	. # 13.0	[1]	(👨🏻)
1F935 1F3FC 200D 2642 FE0F	; Emoji_ZWJ_Sequence	; man in tuxedo: medium-light skin tone	. # 13.0	[1]	(👨🏻)
1F935 1F3FD 200D 2642 FE0F	; Emoji_ZWJ_Sequence	; man in tuxedo: medium skin tone	. # 13.0	[1]	(👨🏻)
1F935 1F3FE 200D 2642 FE0F	; Emoji_ZWJ_Sequence	; man in tuxedo: medium-dark skin tone	. # 13.0	[1]	(👨🏻)
1F935 1F3FF 200D 2642 FE0F	; Emoji_ZWJ_Sequence	; man in tuxedo: dark skin tone	. # 13.0	[1]	(👨🏻)
1F935 200D 2640 FE0F	; Emoji_ZWJ_Sequence	; woman in tuxedo	. # 13.0	[1]	(👩🏻)
1F935 1F3FB 200D 2640 FE0F	; Emoji_ZWJ_Sequence	; woman in tuxedo: light skin tone	. # 13.0	[1]	(👩🏻)
1F935 1F3FC 200D 2640 FE0F	; Emoji_ZWJ_Sequence	; woman in tuxedo: medium-light skin tone	. # 13.0	[1]	(👩🏻)
1F935 1F3FD 200D 2640 FE0F	; Emoji_ZWJ_Sequence	; person in tuxedo: medium skin tone	. # 13.0	[1]	(👩🏻)
1F935 1F3FE 200D 2640 FE0F	; Emoji_ZWJ_Sequence	; woman in tuxedo: medium-dark skin tone	. # 13.0	[1]	(👩🏻)
1F935 1F3FF 200D 2640 FE0F	; Emoji_ZWJ_Sequence	; woman in tuxedo: dark skin tone	. # 13.0	[1]	(👩🏻)
1F935 1F3FF 200D 2640 FE0F	; Emoji_ZWJ_Sequence	; woman in tuxedo: dark skin tone	. # 13.0	[1]	(👩🏻)
1F931 200D 2640 FE0F	; Emoji_ZWJ_Sequence	; woman feeding baby	. # 13.0	[1]	(👩🏻)
1F931 1F3FB 200D 2640 FE0F	; Emoji_ZWJ_Sequence	; woman feeding baby: light skin tone	. # 13.0	[1]	(👩🏻)
1F931 1F3FC 200D 2640 FE0F	; Emoji_ZWJ_Sequence	; woman feeding baby: medium-light skin tone	. # 13.0	[1]	(👩🏻)
1F931 1F3FD 200D 2640 FE0F	; Emoji_ZWJ_Sequence	; woman feeding baby: medium skin tone	. # 13.0	[1]	(👩🏻)
1F931 1F3FE 200D 2640 FE0F	; Emoji_ZWJ_Sequence	; woman feeding baby: medium-dark skin tone	. # 13.0	[1]	(👩🏻)
1F931 1F3FF 200D 2640 FE0F	; Emoji_ZWJ_Sequence	; woman feeding baby: dark skin tone	. # 13.0	[1]	(👩🏻)
1F931 200D 2642 FE0F	; Emoji_ZWJ_Sequence	; man feeding baby	. # 13.0	[1]	(👨🏻)
1F931 1F3FB 200D 2642 FE0F	; Emoji_ZWJ_Sequence	; man feeding baby: light skin tone	. # 13.0	[1]	(👨🏻)
1F931 1F3FC 200D 2642 FE0F	; Emoji_ZWJ_Sequence	; man feeding baby: medium-light skin tone	. # 13.0	[1]	(👨🏻)
1F931 1F3FD 200D 2642 FE0F	; Emoji_ZWJ_Sequence	; man feeding baby: medium skin tone	. # 13.0	[1]	(👨🏻)
1F931 1F3FE 200D 2642 FE0F	; Emoji_ZWJ_Sequence	; man feeding baby: medium-dark skin tone	. # 13.0	[1]	(👨🏻)
1F931 1F3FF 200D 2642 FE0F	; Emoji_ZWJ_Sequence	; man feeding baby: dark skin tone	. # 13.0	[1]	(👨🏻)

Proposed ZWJ Sequences

List of new sequences proposed for addition in the Emoji 13.0 data files. Total new sequences: 138.

#	Emoji_ZWJ_Sequence	Role	
1F470	200D 2640 FE0F	; Emoji_ZWJ_Sequence	; woman with veil . # 13.0 [1] (
1F470	1F3FB 200D 2640 FE0F	; Emoji_ZWJ_Sequence	; woman with veil: light skin tone . # 13.0 [1] (
1F470	1F3FC 200D 2640 FE0F	; Emoji_ZWJ_Sequence	; woman with veil: medium-light skin tone . # 13.0 [1] (
1F470	1F3FD 200D 2640 FE0F	; Emoji_ZWJ_Sequence	; woman with veil: medium skin tone . # 13.0 [1] (
1F470	1F3FE 200D 2640 FE0F	; Emoji_ZWJ_Sequence	; woman with veil: medium-dark skin tone . # 13.0 [1] (
1F470	1F3FF 200D 2640 FE0F	; Emoji_ZWJ_Sequence	; woman with veil: dark skin tone . # 13.0 [1] (
1F470	200D 2642 FE0F	; Emoji_ZWJ_Sequence	; man with veil . # 13.0 [1] (
1F470	1F3FB 200D 2642 FE0F	; Emoji_ZWJ_Sequence	; man with veil: light skin tone . # 13.0 [1] (
1F470	1F3FC 200D 2642 FE0F	; Emoji_ZWJ_Sequence	; man with veil: medium-light skin tone . # 13.0 [1] (
1F470	1F3FD 200D 2642 FE0F	; Emoji_ZWJ_Sequence	; man with veil: medium skin tone . # 13.0 [1] (
1F470	1F3FE 200D 2642 FE0F	; Emoji_ZWJ_Sequence	; man with veil: medium-dark skin tone . # 13.0 [1] (
1F470	1F3FF 200D 2642 FE0F	; Emoji_ZWJ_Sequence	; man with veil: dark skin tone . # 13.0 [1] (

TR-51 Modifications

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

ZWJ SEQUENCES NOT BEING PROPOSED AT THIS TIME

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.



PRINCESS
U+1F478



PRINCE
U+1F934



WOMAN DANCING
U+1F483



MAN DANCING
U+1F57A



PREGNANT WOMAN
U+1F930



WOMAN IN HEADSCARF




BEARDED MAN
U+1F9D4

BACKGROUND INFORMATION

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+1F46B



BRIDE WITH VEIL
U+1F470



PREGNANT WOMAN
U+1F930



BREASTFEEDING
U+1F931



WOMAN WITH HEADSCARF
U+1F9D5

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 AND WOMAN
HOLDING HANDS
U+1F46B



MAN IN TUXEDO
U+1F935



BEARDED PERSON
U+1F9D4



MAN IN SUIT LEVITATING
U+1F574



MAN IN CHINESE CAP
U+1F472

ZWJ SEQUENCES NOT BEING PROPOSED AT THIS TIME

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 $2 * 6 = 12$



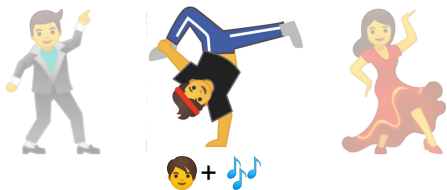
Option 2:
The full number of
images is $4 * 6 = 24$

ZWJ SEQUENCES NOT BEING PROPOSED AT THIS TIME

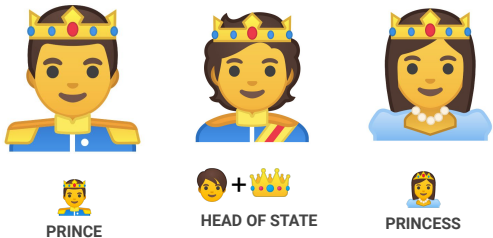
Two Possible Paths Forward

Person + Object

Dancer **NEW PATTERN**

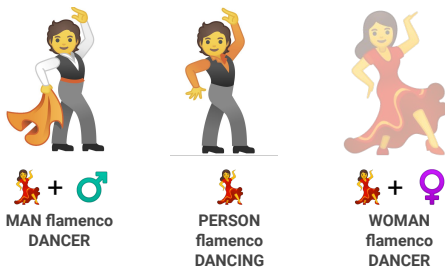


Head of State **NEW PATTERN**



Remove Gendered Emojis from Gendered List

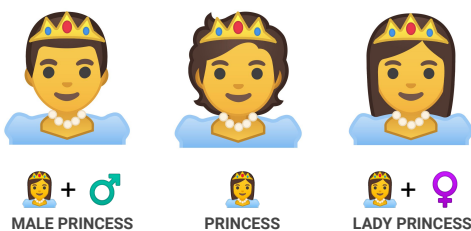
Flamenco Dancer **NEW PATTERN**



Disco Dancer **NEW PATTERN**



Princess **NEW PATTERN**



Prince **NEW PATTERN**

