The Unicode Emoji Subcommittee (ESC) has a goal of improving support for gender-neutral emoji representation. There are many reasons for doing this: among them are that the current emoji often require a choice that need not be made or that can’t be made due to lack of information. For example, when someone announces “Is there a doctor on the plane?”, they are not only asking for man doctors or only asking for woman doctors.

Proposals for CHILD, ADULT, and OLDER ADULT have resulted in three new characters and we are now looking to address additional cases that have the highest anticipated usage.

Here is a table of the counts of new glyphs for the current E11.0 beta, for each category listed below. These are presented to help with the emoji “budget” discussions.

<table>
<thead>
<tr>
<th>Sets</th>
<th>To generate codes</th>
<th>Example of new glyphs</th>
<th>w/o skin tones</th>
<th>w/ skin tones</th>
<th>Sub-total</th>
</tr>
</thead>
<tbody>
<tr>
<td>2a</td>
<td>+♂</td>
<td>person running</td>
<td>43</td>
<td>195</td>
<td>238</td>
</tr>
<tr>
<td>2b</td>
<td>+… (but not ɓ)</td>
<td>astronaut</td>
<td>16</td>
<td>80</td>
<td>96</td>
</tr>
<tr>
<td>3a</td>
<td>zwj seqs, with +♂</td>
<td>person with skullcap</td>
<td>8</td>
<td>40</td>
<td>48</td>
</tr>
<tr>
<td>3b</td>
<td>add ADULT + CROWN</td>
<td>person with crown</td>
<td>1</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>3c</td>
<td>revert DANCER to neutral, add DANCER + ♀</td>
<td>dancer</td>
<td>1</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>4a</td>
<td>Few ADULT+ADULT combos</td>
<td></td>
<td>4</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TOTALS</td>
<td></td>
<td>73</td>
<td>325</td>
<td>398</td>
</tr>
</tbody>
</table>

If Emoji 11.0 adds skin tones for super-hero+villain (as recommended by the ESC), that would increase by 12 the cost of a neutral super-hero+villain in 2a.

The following shows the tiering in terms of anticipated usage, which we will use to guide future decisions regarding gender-neutral representation.

1. The top usage tier has already been added as of Unicode v10.0. These are emoji for basic people:
   a. ☯ U+1F9D2 CHILD
   b. ☯ U+1F9D1 ADULT
   c. ☯ U+1F9D3 OLDER ADULT
d. These correspond to the gendered forms:
   e. 🧑‍♂️ U+1F466  BOY
   f. 🧑‍♀️ U+1F467  GIRL
   g. 🧑‍‍♂️ U+1F468  MAN
   h. 🧑‍‍♀️ U+1F469  WOMAN
   i. 🧑‍‍♂️ U+1F474  OLDER MAN
   j. 🧑‍‍♀️ U+1F475  OLDER WOMAN

2. Tier 2 falls into two groups:
   a. Emoji such as RUNNER, where the single characters are gender-neutral by definition
      (i.e. not in the UTS#51 Section 2.1 list), and take ZWJ+SIGN for man/woman
      versions. Most vendors don’t yet display distinct images, however.
   b. Roles such as firefighter. These would need additional ZWJ sequences with ADULT
      corresponding to those with MAN or WOMAN. At the October UTC meeting we
      should assess the degree of major vendor support for adding ZWJ sequences as RGI.

3. Tier 3 includes a set of specific cases from UTS #51 Section 2.1. We should consider these in
   the UTC October meeting.
   a. The ESC recommends making the following characters be gender-neutral, in the same
      way as was done with RUNNER. We could then consider whether there is support for
      RGI ZWJ sequences.
         i. 🧑‍‍♂️ U+1F472  MAN WITH GUA PI MAO
         ii. 🧑‍‍♂️ U+1F935  MAN IN TUXEDO
         iii. 🧑‍‍♂️ U+1F470  BRIDE WITH VEIL
         iv. 🧑‍‍♂️ U+1F574  MAN IN BUSINESS SUIT LEVITATING
         v. The last one is trickier, since the limited size of the face at emoji sizes make it
            very difficult to have 3 distinct forms. Note: Facebook supports two versions
            (man and woman).
   b. For the following, one possibility for a gender-neutral form might be a ZWJ sequence
      with ADULT ZWJ CROWN
         i. 🧑‍‍♂️ U+1F478  PRINCESS
         ii. 🧑‍‍♂️ U+1F934  PRINCE
   c. Revert DANCER to neutral, add DANCER + ♂
      i. 🧑‍‍♂️ U+1F483  DANCER (currently documented as a woman)
      ii. 🧑‍‍♂️ U+1F57A  MAN DANCING
   d. The following gender-neutral forms either have low anticipated usage, or we don’t
      have sufficient usage information to make a decision, and so should be saved for a
      future discussion.
      i. 🧑‍‍♀️ U+1F930  PREGNANT WOMAN
      ii. ♂ U+1F931  BREAST-FEEDING
      iii. ♂ U+1F9D5  PERSON WITH HEADSCARF
      iv. 🧑‍‍♂️ U+1F385  FATHER CHRISTMAS
      v. 🧑‍‍♂️ U+1F386  MOTHER CHRISTMAS
      vi. The last two are also a bit different. These refer to specific people, and there
           is the possibility of using ELF as the gender-neutral form.

4. Tier 4 includes all the people groupings such as families and couples. We’re holding off on
   these primarily because of the combinatorics. Vendors are able to use CHILD, ADULT or
   OLDER ADULT in most existing family and couple sequences already. Some additional
emoji that share a single code-point (wrestlers, men and women holding hands) may require sequences to expand the range. These cases may be looked at again in future.

a. A small step would be to add just a few zwj sequences:
   i. kiss: adult, adult
   ii. couple with heart: adult, adult
   iii. couple holding hands = adult+zwj+open hands+zwj+adult?
   iv. family: adult, adult, baby

b. Add a + skin tones

c. Other combinatorics

See some related previous documents:

1. 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?