Emoji-System Compatibility Additions

To: UTC
Date: 2014 October 28
From: Mark Davis, Peter Edberg

(Extracted & adapted from L2/14-174R)

This set consists of a set of 16 characters that fill in gaps for compatibility with the following emoji systems:

- AIM (AOL Instant Messenger)
- GMail, and
- KDDI Zodiac figures

These characters would also be useful emoji on their own, as well as providing for the ability to support these systems.

As to the last, when the Zodiac symbols were added to Unicode, symbols on Softbank (such as \texttt{U+2648 ARIES ♂}) were merged with images of physical objects on KDDI (such as \texttt{U+1F40F RAM ☁}). Most of the physical objects can be otherwise represented with Unicode (such as \texttt{U+1F40F RAM ☁}). However, certain of them cannot, and are included here. There is some overlap among these three sets, and they fill in some gaps in other areas. For example, the CRAB is both a Gmail symbol, and a Zodiac symbol, and (of course) an animal and food item, with also metaphorical attachments.

The introduction of the zodiac figures explicitly does not affect the mappings of KDDI symbols in EmojiSources, however. For compatibility, it is important that those remain stable. Instead, the purpose is to be able to represent the same core images, but with different codes.

All of the images are purely illustrative; glyphs that are more consistent with the current Unicode charts would be produced.

<table>
<thead>
<tr>
<th>Dev. / Code Point</th>
<th>Image (illus)</th>
<th>Character name/description</th>
<th>Notes</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Unicode</th>
<th>Image</th>
<th>Emoticon Description</th>
<th>Usage Examples</th>
</tr>
</thead>
</table>
| U+1F910 | ![Image](image1.png) | ZIPPER-MOUTH FACE | AIM 😞, also as :-X  
Live Messenger as :­#  
zippered face |
| U+1F911 | ![Image](image2.png) | MONEY-MOUTH FACE | AIM $, also as :-$ |
| U+1F912 | ![Image](image3.png) | FACE WITH THERMOMETER | AIM 😞  
Yahoo! Messenger 😧 or :-&  
Live Messenger 😪, also as +o(  
Also NYMag & Buzzfeed lists  
Would be greenish when colored. |
| U+1F913 | ![Image](image4.png) | NERD FACE | AIM 😞  
Yahoo! Messenger 😧 or :-B  
Live Messenger 😪, also as 8|-|  
Gmail GEEK 😧  
remove the buck teeth |
| U+1F914 | ![Image](image5.png) | THINKING FACE | Gmail THINKING 😥  
Yahoo! Messenger 😥 or :-?  
Design would be like other faces.  
Might have hand supporting chin. |
| U+1F644 | ![Image](image6.png) | FACE WITH ROLLING EYES | Gmail FACE WITH ROLLING EYES 😥  
Live Messenger 😥, also as 8-)  
Apple request; Exasperation |
<table>
<thead>
<tr>
<th>Code</th>
<th>Emoticon</th>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>U+1F643</td>
<td><img src="image" alt="UPSIDE-DOWN FACE" /></td>
<td>UPSIDE-DOWN FACE</td>
<td>Gmail UPSIDE DOWN FACE 🙄</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Also common emoticon</td>
</tr>
<tr>
<td>U+1F915</td>
<td><img src="image" alt="FACE WITH HEAD-BANDAGE" /></td>
<td>FACE WITH HEAD-BANDAGE</td>
<td>Gmail INJURED FACE 😷</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>also “injury”. Shows bandage on head</td>
</tr>
<tr>
<td>U+1F916</td>
<td><img src="image" alt="ROBOT FACE" /></td>
<td>ROBOT FACE</td>
<td>Gmail ROBOT ⚙</td>
</tr>
<tr>
<td>U+1F917</td>
<td><img src="image" alt="HUGGING FACE" /></td>
<td>HUGGING FACE</td>
<td>Gmail HUG FACE 😋 😍</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Yahoo! Messenger, 🤗❤️ or &gt;:D&lt;</td>
</tr>
<tr>
<td>U+1F918</td>
<td><img src="image" alt="SIGN OF THE HORNS" /></td>
<td>SIGN OF THE HORNS</td>
<td>Gmail ROCK ON 🃼</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Has different associations in different cultures</td>
</tr>
<tr>
<td>U+1F980</td>
<td><img src="image" alt="CRAB" /></td>
<td>CRAB</td>
<td>Gmail CRAB 🦀</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Missing Carrier Zodiac figure (🦀)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>See U+264B CANCER</td>
</tr>
<tr>
<td>U+1F982</td>
<td><img src="image" alt="SCORPION" /></td>
<td>SCORPION</td>
<td>Missing Zodiac symbol (🐍)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>See U+264F SCORPIUS</td>
</tr>
<tr>
<td>U+1F981</td>
<td><img src="image" alt="LION FACE" /></td>
<td>LION FACE</td>
<td>Missing Zodiac symbol (♌)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>See U+264C LEO</td>
</tr>
<tr>
<td>U+1F3F9</td>
<td><img src="image" alt="BOW AND ARROW" /></td>
<td>BOW AND ARROW</td>
<td>Missing Zodiac symbol (♐)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>See U+2650 SAGITTARIUS</td>
</tr>
</tbody>
</table>
In order, these are:

U+1F3F9, U+1F3FA, U+1F643, U+1F644, U+1F910-U+1F918, U+1F980-U+1F982

Proposed entries for UnicodeData.txt:

<code>;<name>;So;0;ON;;;;N;;;;
b. Are the character shapes attached in a legible form suitable for review? Yes

5. Fonts related:
   a. Who will provide the appropriate computerized font to the Project Editor of 10646 for publishing the standard? Michael Everson
   b. Identify the party granting a license for use of the font by the editors (include address, e-mail, ftp-site, etc.): Michael Everson

6. References:
   a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided? References to the AIM, GMail, and original KDDI Zodiac figures are provided
   b. Are published examples of use (such as samples from newspapers, magazines, or other sources) of proposed characters attached? No.

7. Special encoding issues:
   Does the proposal address other aspects of character data processing (if applicable) such as input, presentation, sorting, searching, indexing, transliteration etc. (if yes please enclose information)? No (These characters are intended to behave like existing pictographic symbols for faces and animals).

8. Additional Information
   C. Technical - Justification
   1. Has this proposal for addition of character(s) been submitted before? No
   2. Has contact been made to members of the user community (for example: National Body, user groups of the script or characters, other experts, etc.)? No
   3. Information on the user community for the proposed characters (for example: size, demographics, information technology use, or publishing use) is included? Over 110 million people in China use emoji daily, over 44 million in the U.S. use emoji daily...
   4. The context of use for the proposed characters (type of use; common or rare): Common
   5. Are the proposed characters in current use by the user community? No
   6. After giving due considerations to the principles in the P&P document must the proposed characters be entirely in the BMP? No
   7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)? Not necessarily
   8. Can any of the proposed characters be considered a presentation form of an existing character or character sequence? No
   9. Can any of the proposed characters be encoded using a composed character sequence of either existing characters or other proposed characters? No
   10. Can any of the proposed character(s) be considered to be similar (in appearance or function) to, or could be confused with, an existing character? No.
   11. Does the proposal include use of combining characters and/or use of composite sequences? No
   12. Does the proposal contain characters with any special properties such as control function or similar semantics? No
13. Does the proposal contain any Ideographic compatibility characters? No