

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 [U+2648](#) ARIES ) were merged with images of physical objects on KDDI (such as ). Most of the physical objects can be otherwise represented with Unicode (such as [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 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.

Dev. / Code Point	Image (illus)	Character name/description	Notes
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U+1F910		ZIPPER-MOUTH FACE	AIM usage  , also as :-X Live Messenger as :-# zippered face
U+1F911		MONEY-MOUTH FACE	AIM  , also as :-\$
U+1F912		FACE WITH THERMOMETER	AIM  Yahoo! Messenger  or :-& Live Messenger  , also as +o(Also NYMag & BuzzFeed lists Would be greenish when colored.
U+1F913		NERD FACE	AIM  Yahoo! Messenger  or :-B Live Messenger  , also as 8- Gmail GEEK  <i>remove the buck teeth</i>
U+1F914		THINKING FACE	Gmail THINKING  Yahoo! Messenger  or :-? Design would be like other faces. Might have hand supporting chin.
U+1F644		FACE WITH ROLLING EYES	Gmail FACE WITH ROLLING EYES  Live Messenger  , also as 8-) Apple request; Exasperation

U+1F643		UPSIDE-DOWN FACE	Gmail UPSIDE DOWN FACE 🙄 Also common emoticon
U+1F915		FACE WITH HEAD-BANDAGE	Gmail INJURED FACE 🤕 also "injury". Shows bandage on head
U+1F916		ROBOT FACE	GMail ROBOT 🤖
U+1F917		HUGGING FACE	Gmail HUG FACE 🤗 🤖 Yahoo! Messenger 🤗🤗 or >:D<
U+1F918		SIGN OF THE HORNS	Gmail ROCK ON 🤘 Has different associations in different cultures
U+1F980		CRAB	GMail CRAB 🦀 Missing Carrier Zodiac figure (🦀) See U+264B CANCER
U+1F982		SCORPION	Missing Zodiac symbol (🦂) See U+264F SCORPIUS
U+1F981		LION FACE	Missing Zodiac symbol (🦁) See U+264C LEO
U+1F3F9		BOW AND ARROW	Missing Zodiac symbol (🏹) See U+2650 SAGITTARIUS

U+1F3FA		AMPHORA	Missing Carrier Zodiac figure (🜒) See U+2652 AQUARIUS <i>change glyph to amphora</i>
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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:

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<code>;<name>;So;0;ON;;;;;N;;;;;
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ISO/IEC JTC 1/SC 2/WG 2
PROPOSAL SUMMARY FORM TO ACCOMPANY SUBMISSIONS
FOR ADDITIONS TO THE REPERTOIRE OF ISO/IEC 10646

Please read [Principles and Procedures Document \(P & P\)](#) for guidelines and details before filling this form.

A. Administrative

1. Title: **Emoji Additions: Compatibility gaps**
2. Requester's name: **Peter Edberg, Mark Davis**
3. Requester type (Member body/Liaison/Individual contribution): **Individual Contribution**
4. Submission date: **2014-10-27**
5. Requester's reference (if applicable):
6. Choose one of the following:
This is a complete proposal: **Yes**

...

B. Technical – General

1. Choose one of the following:
...
b. The proposal is for addition of character(s) to an existing block: **Yes / No**
Name of the existing block: **Misc. Symbols and Pictographs, Emoticons**
2. Number of characters in proposal: **16**
3. Proposed category (select one from below - see section 2.2 of P&P document):
(None of the listed categories is applicable)
4. Is a repertoire including character names provided? **Yes**
 - a. If YES, are the names in accordance with the “character naming guidelines” in Annex L of P&P document? **Yes**

- 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