Emoji-System Compatibility Additions

To: UTC

Date: 2014 October 27

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
X200		SEALED LIPS FACE	AIM & MSN Messenger usage zipped face

Code	Image	Name	Notes
X201		MONEY MOUTH FACE	AIM usage
X203		SICK FACE	AIM Also NYMag & Buzzfeed lists Would be greenish when colored.
X202		NERD FACE	AIM usage Gmail GEEK
X20D		THINKING FACE	Gmail THINKING Design would be like other faces. Might have hand supporting chin.
X20E		FACE WITH ROLLING EYES	Gmail FACE WITH ROLLING EYES Apple request; Exasperation
X20F		UPSIDE DOWN FACE	Gmail UPSIDE DOWN FACE Also common emoticon
X210		INJURED FACE	Gmail INJURED FACE also "injury". Shows bandage on head
X904		ROBOT	GMail ROBOT
X20C		HUGGING FACE	Gmail HUG FACE
X20B		SIGN OF HORNS	Gmail ROCK ON Has different associations in different cultures

X702		CRAB	GMail CRAB 🦀 Missing Carrier Zodiac figure (🦀) See *U+264B* CANCER
X712		SCORPION	Missing Zodiac symbol (🦂) See *U+264F* SCORPIUS
X706		LION FACE	Missing Zodiac symbol (🦁) See *U+264C* LEO
X306		BOW AND ARROW	Missing Zodiac symbol (🏹) See *U+2650* SAGITTARIUS
X451		PITCHER	Missing Carrier Zodiac figure (🏺) See *U+2652* AQUARIUS

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
      Name of the existing block: **TBD**
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? TBD
   b. Identify the party granting a license for use of the font by the editors (include
      address, e-mail, ftp-site, etc.): TBD
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