

A proposal for 278 standardized variation sequences for emoji

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Background

At UTC meeting #144, the UTC document L2/15-198, “Variation sequences for remaining default-text emoji” was discussed. UTC did not approve that proposal, since it was not clear that any vendor may use the characters as emoji.

That situation has changed now, since all non-flag characters in emoji-data.txt are now supported by at least one vendor. With this in mind, since most of the characters have been encoded in Unicode as symbols, it is critical that applications that want to interchange them as emoji do so by using a standardized variation sequence.

This would vastly improve both document stability for existing documents and data interchangeability between platforms.

Proposal

The author proposes that both text and emoji variation sequences be defined for all characters that have a default presentation of text in UTR #51, together with U+1F5E8 LEFT SPEECH BUBBLE (that according to Peter Edberg, Apple’s representative to the Unicode Consortium, is now supported in an emoji form on some Apple products). This is a total of 139 characters, resulting in 278 new sequences.

Note that the Emoji Subcommittee is also proposing a subset of these in UTC document L2/15-275, although it is clear from that document that its authors would prefer variation sequences to be defined for the complete list.

The full list of proposed additions to StandardizedVariants.txt follows:

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002A FE0E; text style; # ASTERISK
002A FE0F; emoji style; # ASTERISK
2328 FE0E; text style; # KEYBOARD
2328 FE0F; emoji style; # KEYBOARD
23CF FE0E; text style; # EJECT SYMBOL
23CF FE0F; emoji style; # EJECT SYMBOL
23ED FE0E; text style; # BLACK RIGHT-POINTING DOUBLE TRIANGLE WITH VERTICAL BAR
23ED FE0F; emoji style; # BLACK RIGHT-POINTING DOUBLE TRIANGLE WITH VERTICAL BAR
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23EE FE0E; text style; # BLACK LEFT-POINTING DOUBLE TRIANGLE WITH VERTICAL BAR
23EE FE0F; emoji style; # BLACK LEFT-POINTING DOUBLE TRIANGLE WITH VERTICAL BAR
23EF FE0E; text style; # BLACK RIGHT-POINTING TRIANGLE WITH DOUBLE VERTICAL BAR
23EF FE0F; emoji style; # BLACK RIGHT-POINTING TRIANGLE WITH DOUBLE VERTICAL BAR
23F1 FE0E; text style; # STOPWATCH
23F1 FE0F; emoji style; # STOPWATCH
23F2 FE0E; text style; # TIMER CLOCK
23F2 FE0F; emoji style; # TIMER CLOCK
23F8 FE0E; text style; # DOUBLE VERTICAL BAR
23F8 FE0F; emoji style; # DOUBLE VERTICAL BAR
23F9 FE0E; text style; # BLACK SQUARE FOR STOP
23F9 FE0F; emoji style; # BLACK SQUARE FOR STOP
23FA FE0E; text style; # BLACK CIRCLE FOR RECORD
23FA FE0F; emoji style; # BLACK CIRCLE FOR RECORD
2602 FE0E; text style; # UMBRELLA
2602 FE0F; emoji style; # UMBRELLA
2603 FE0E; text style; # SNOWMAN
2603 FE0F; emoji style; # SNOWMAN
2604 FE0E; text style; # COMET
2604 FE0F; emoji style; # COMET
2618 FE0E; text style; # SHAMROCK
2618 FE0F; emoji style; # SHAMROCK
2620 FE0E; text style; # SKULL AND CROSSBONES
2620 FE0F; emoji style; # SKULL AND CROSSBONES
2622 FE0E; text style; # RADIOACTIVE SIGN
2622 FE0F; emoji style; # RADIOACTIVE SIGN
2623 FE0E; text style; # BIOHAZARD SIGN
2623 FE0F; emoji style; # BIOHAZARD SIGN
2626 FE0E; text style; # ORTHODOX CROSS
2626 FE0F; emoji style; # ORTHODOX CROSS
262A FE0E; text style; # STAR AND CRESCENT
262A FE0F; emoji style; # STAR AND CRESCENT
262E FE0E; text style; # PEACE SYMBOL
262E FE0F; emoji style; # PEACE SYMBOL
262F FE0E; text style; # YIN YANG
262F FE0F; emoji style; # YIN YANG
2638 FE0E; text style; # WHEEL OF DHARMA
2638 FE0F; emoji style; # WHEEL OF DHARMA
2639 FE0E; text style; # WHITE FROWNING FACE
2639 FE0F; emoji style; # WHITE FROWNING FACE
2692 FE0E; text style; # HAMMER AND PICK
2692 FE0F; emoji style; # HAMMER AND PICK
2694 FE0E; text style; # CROSSED SWORDS

2694 FE0F; emoji style; # CROSSED SWORDS
2696 FE0E; text style; # SCALES
2696 FE0F; emoji style; # SCALES
2697 FE0E; text style; # ALEMBIC
2697 FE0F; emoji style; # ALEMBIC
2699 FE0E; text style; # GEAR
2699 FE0F; emoji style; # GEAR
269B FE0E; text style; # ATOM SYMBOL
269B FE0F; emoji style; # ATOM SYMBOL
269C FE0E; text style; # FLEUR-DE-LIS
269C FE0F; emoji style; # FLEUR-DE-LIS
26B0 FE0E; text style; # COFFIN
26B0 FE0F; emoji style; # COFFIN
26B1 FE0E; text style; # FUNERAL URN
26B1 FE0F; emoji style; # FUNERAL URN
26C8 FE0E; text style; # THUNDER CLOUD AND RAIN
26C8 FE0F; emoji style; # THUNDER CLOUD AND RAIN
26CF FE0E; text style; # PICK
26CF FE0F; emoji style; # PICK
26D1 FE0E; text style; # HELMET WITH WHITE CROSS
26D1 FE0F; emoji style; # HELMET WITH WHITE CROSS
26D3 FE0E; text style; # CHAINS
26D3 FE0F; emoji style; # CHAINS
26E9 FE0E; text style; # SHINTO SHRINE
26E9 FE0F; emoji style; # SHINTO SHRINE
26F0 FE0E; text style; # MOUNTAIN
26F0 FE0F; emoji style; # MOUNTAIN
26F1 FE0E; text style; # UMBRELLA ON GROUND
26F1 FE0F; emoji style; # UMBRELLA ON GROUND
26F4 FE0E; text style; # FERRY
26F4 FE0F; emoji style; # FERRY
26F7 FE0E; text style; # SKIER
26F7 FE0F; emoji style; # SKIER
26F8 FE0E; text style; # ICE SKATE
26F8 FE0F; emoji style; # ICE SKATE
26F9 FE0E; text style; # PERSON WITH BALL
26F9 FE0F; emoji style; # PERSON WITH BALL
270D FE0E; text style; # WRITING HAND
270D FE0F; emoji style; # WRITING HAND
271D FE0E; text style; # LATIN CROSS
271D FE0F; emoji style; # LATIN CROSS
2721 FE0E; text style; # STAR OF DAVID
2721 FE0F; emoji style; # STAR OF DAVID

2763 FE0E; text style; # HEAVY HEART EXCLAMATION MARK ORNAMENT
2763 FE0F; emoji style; # HEAVY HEART EXCLAMATION MARK ORNAMENT
1F321 FE0E; text style; # THERMOMETER
1F321 FE0F; emoji style; # THERMOMETER
1F324 FE0E; text style; # WHITE SUN WITH SMALL CLOUD
1F324 FE0F; emoji style; # WHITE SUN WITH SMALL CLOUD
1F325 FE0E; text style; # WHITE SUN BEHIND CLOUD
1F325 FE0F; emoji style; # WHITE SUN BEHIND CLOUD
1F326 FE0E; text style; # WHITE SUN BEHIND CLOUD WITH RAIN
1F326 FE0F; emoji style; # WHITE SUN BEHIND CLOUD WITH RAIN
1F327 FE0E; text style; # CLOUD WITH RAIN
1F327 FE0F; emoji style; # CLOUD WITH RAIN
1F328 FE0E; text style; # CLOUD WITH SNOW
1F328 FE0F; emoji style; # CLOUD WITH SNOW
1F329 FE0E; text style; # CLOUD WITH LIGHTNING
1F329 FE0F; emoji style; # CLOUD WITH LIGHTNING
1F32A FE0E; text style; # CLOUD WITH TORNADO
1F32A FE0F; emoji style; # CLOUD WITH TORNADO
1F32B FE0E; text style; # FOG
1F32B FE0F; emoji style; # FOG
1F32C FE0E; text style; # WIND BLOWING FACE
1F32C FE0F; emoji style; # WIND BLOWING FACE
1F336 FE0E; text style; # HOT PEPPER
1F336 FE0F; emoji style; # HOT PEPPER
1F37D FE0E; text style; # FORK AND KNIFE WITH PLATE
1F37D FE0F; emoji style; # FORK AND KNIFE WITH PLATE
1F396 FE0E; text style; # MILITARY MEDAL
1F396 FE0F; emoji style; # MILITARY MEDAL
1F397 FE0E; text style; # REMINDER RIBBON
1F397 FE0F; emoji style; # REMINDER RIBBON
1F399 FE0E; text style; # STUDIO MICROPHONE
1F399 FE0F; emoji style; # STUDIO MICROPHONE
1F39A FE0E; text style; # LEVEL SLIDER
1F39A FE0F; emoji style; # LEVEL SLIDER
1F39B FE0E; text style; # CONTROL KNOBS
1F39B FE0F; emoji style; # CONTROL KNOBS
1F39E FE0E; text style; # FILM FRAMES
1F39E FE0F; emoji style; # FILM FRAMES
1F39F FE0E; text style; # ADMISSION TICKETS
1F39F FE0F; emoji style; # ADMISSION TICKETS
1F3CB FE0E; text style; # WEIGHT LIFTER
1F3CB FE0F; emoji style; # WEIGHT LIFTER
1F3CC FE0E; text style; # GOLFER

1F3CC FE0F; emoji style; # GOLFER
1F3CD FE0E; text style; # RACING MOTORCYCLE
1F3CD FE0F; emoji style; # RACING MOTORCYCLE
1F3CE FE0E; text style; # RACING CAR
1F3CE FE0F; emoji style; # RACING CAR
1F3D4 FE0E; text style; # SNOW CAPPED MOUNTAIN
1F3D4 FE0F; emoji style; # SNOW CAPPED MOUNTAIN
1F3D5 FE0E; text style; # CAMPING
1F3D5 FE0F; emoji style; # CAMPING
1F3D6 FE0E; text style; # BEACH WITH UMBRELLA
1F3D6 FE0F; emoji style; # BEACH WITH UMBRELLA
1F3D7 FE0E; text style; # BUILDING CONSTRUCTION
1F3D7 FE0F; emoji style; # BUILDING CONSTRUCTION
1F3D8 FE0E; text style; # HOUSE BUILDINGS
1F3D8 FE0F; emoji style; # HOUSE BUILDINGS
1F3D9 FE0E; text style; # CITYSCAPE
1F3D9 FE0F; emoji style; # CITYSCAPE
1F3DA FE0E; text style; # DERELICT HOUSE BUILDING
1F3DA FE0F; emoji style; # DERELICT HOUSE BUILDING
1F3DB FE0E; text style; # CLASSICAL BUILDING
1F3DB FE0F; emoji style; # CLASSICAL BUILDING
1F3DC FE0E; text style; # DESERT
1F3DC FE0F; emoji style; # DESERT
1F3DD FE0E; text style; # DESERT ISLAND
1F3DD FE0F; emoji style; # DESERT ISLAND
1F3DE FE0E; text style; # NATIONAL PARK
1F3DE FE0F; emoji style; # NATIONAL PARK
1F3DF FE0E; text style; # STADIUM
1F3DF FE0F; emoji style; # STADIUM
1F3F3 FE0E; text style; # WAVING WHITE FLAG
1F3F3 FE0F; emoji style; # WAVING WHITE FLAG
1F3F5 FE0E; text style; # ROSETTE
1F3F5 FE0F; emoji style; # ROSETTE
1F3F7 FE0E; text style; # LABEL
1F3F7 FE0F; emoji style; # LABEL
1F43F FE0E; text style; # CHIPMUNK
1F43F FE0F; emoji style; # CHIPMUNK
1F441 FE0E; text style; # EYE
1F441 FE0F; emoji style; # EYE
1F4FD FE0E; text style; # FILM PROJECTOR
1F4FD FE0F; emoji style; # FILM PROJECTOR
1F549 FE0E; text style; # OM SYMBOL
1F549 FE0F; emoji style; # OM SYMBOL

1F54A FE0E; text style; # DOVE OF PEACE
1F54A FE0F; emoji style; # DOVE OF PEACE
1F56F FE0E; text style; # CANDLE
1F56F FE0F; emoji style; # CANDLE
1F570 FE0E; text style; # MANTELPIECE CLOCK
1F570 FE0F; emoji style; # MANTELPIECE CLOCK
1F573 FE0E; text style; # HOLE
1F573 FE0F; emoji style; # HOLE
1F574 FE0E; text style; # MAN IN BUSINESS SUIT LEVITATING
1F574 FE0F; emoji style; # MAN IN BUSINESS SUIT LEVITATING
1F575 FE0E; text style; # SLEUTH OR SPY
1F575 FE0F; emoji style; # SLEUTH OR SPY
1F576 FE0E; text style; # DARK SUNGLASSES
1F576 FE0F; emoji style; # DARK SUNGLASSES
1F577 FE0E; text style; # SPIDER
1F577 FE0F; emoji style; # SPIDER
1F578 FE0E; text style; # SPIDER WEB
1F578 FE0F; emoji style; # SPIDER WEB
1F579 FE0E; text style; # JOYSTICK
1F579 FE0F; emoji style; # JOYSTICK
1F587 FE0E; text style; # LINKED PAPERCLIPS
1F587 FE0F; emoji style; # LINKED PAPERCLIPS
1F58A FE0E; text style; # LOWER LEFT BALLPOINT PEN
1F58A FE0F; emoji style; # LOWER LEFT BALLPOINT PEN
1F58B FE0E; text style; # LOWER LEFT FOUNTAIN PEN
1F58B FE0F; emoji style; # LOWER LEFT FOUNTAIN PEN
1F58C FE0E; text style; # LOWER LEFT PAINTBRUSH
1F58C FE0F; emoji style; # LOWER LEFT PAINTBRUSH
1F58D FE0E; text style; # LOWER LEFT CRAYON
1F58D FE0F; emoji style; # LOWER LEFT CRAYON
1F590 FE0E; text style; # RAISED HAND WITH FINGERS SPLAYED
1F590 FE0F; emoji style; # RAISED HAND WITH FINGERS SPLAYED
1F5A5 FE0E; text style; # DESKTOP COMPUTER
1F5A5 FE0F; emoji style; # DESKTOP COMPUTER
1F5A8 FE0E; text style; # PRINTER
1F5A8 FE0F; emoji style; # PRINTER
1F5B1 FE0E; text style; # THREE BUTTON MOUSE
1F5B1 FE0F; emoji style; # THREE BUTTON MOUSE
1F5B2 FE0E; text style; # TRACKBALL
1F5B2 FE0F; emoji style; # TRACKBALL
1F5BC FE0E; text style; # FRAME WITH PICTURE
1F5BC FE0F; emoji style; # FRAME WITH PICTURE
1F5C2 FE0E; text style; # CARD INDEX DIVIDERS

1F5C2 FE0F; emoji style; # CARD INDEX DIVIDERS
1F5C3 FE0E; text style; # CARD FILE BOX
1F5C3 FE0F; emoji style; # CARD FILE BOX
1F5C4 FE0E; text style; # FILE CABINET
1F5C4 FE0F; emoji style; # FILE CABINET
1F5D1 FE0E; text style; # WASTEBASKET
1F5D1 FE0F; emoji style; # WASTEBASKET
1F5D2 FE0E; text style; # SPIRAL NOTE PAD
1F5D2 FE0F; emoji style; # SPIRAL NOTE PAD
1F5D3 FE0E; text style; # SPIRAL CALENDAR PAD
1F5D3 FE0F; emoji style; # SPIRAL CALENDAR PAD
1F5DC FE0E; text style; # COMPRESSION
1F5DC FE0F; emoji style; # COMPRESSION
1F5DD FE0E; text style; # OLD KEY
1F5DD FE0F; emoji style; # OLD KEY
1F5DE FE0E; text style; # ROLLED-UP NEWSPAPER
1F5DE FE0F; emoji style; # ROLLED-UP NEWSPAPER
1F5E1 FE0E; text style; # DAGGER KNIFE
1F5E1 FE0F; emoji style; # DAGGER KNIFE
1F5E3 FE0E; text style; # SPEAKING HEAD IN SILHOUETTE
1F5E3 FE0F; emoji style; # SPEAKING HEAD IN SILHOUETTE
1F5E8 FE0E; text style; # LEFT SPEECH BUBBLE
1F5E8 FE0F; emoji style; # LEFT SPEECH BUBBLE
1F5EF FE0E; text style; # RIGHT ANGER BUBBLE
1F5EF FE0F; emoji style; # RIGHT ANGER BUBBLE
1F5F3 FE0E; text style; # BALLOT BOX WITH BALLOT
1F5F3 FE0F; emoji style; # BALLOT BOX WITH BALLOT
1F5FA FE0E; text style; # WORLD MAP
1F5FA FE0F; emoji style; # WORLD MAP
1F6CB FE0E; text style; # COUCH AND LAMP
1F6CB FE0F; emoji style; # COUCH AND LAMP
1F6CD FE0E; text style; # SHOPPING BAGS
1F6CD FE0F; emoji style; # SHOPPING BAGS
1F6CE FE0E; text style; # BELLHOP BELL
1F6CE FE0F; emoji style; # BELLHOP BELL
1F6CF FE0E; text style; # BED
1F6CF FE0F; emoji style; # BED
1F6E0 FE0E; text style; # HAMMER AND WRENCH
1F6E0 FE0F; emoji style; # HAMMER AND WRENCH
1F6E1 FE0E; text style; # SHIELD
1F6E1 FE0F; emoji style; # SHIELD
1F6E2 FE0E; text style; # OIL DRUM
1F6E2 FE0F; emoji style; # OIL DRUM

1F6E3 FE0E; text style; # MOTORWAY
1F6E3 FE0F; emoji style; # MOTORWAY
1F6E4 FE0E; text style; # RAILWAY TRACK
1F6E4 FE0F; emoji style; # RAILWAY TRACK
1F6E5 FE0E; text style; # MOTOR BOAT
1F6E5 FE0F; emoji style; # MOTOR BOAT
1F6E9 FE0E; text style; # SMALL AIRPLANE
1F6E9 FE0F; emoji style; # SMALL AIRPLANE
1F6F0 FE0E; text style; # SATELLITE
1F6F0 FE0F; emoji style; # SATELLITE
1F6F3 FE0E; text style; # PASSENGER SHIP
1F6F3 FE0F; emoji style; # PASSENGER SHIP

Bibliography

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