Recommendations of the source code working group for UTC #173

To: PAG
From: Robin Leroy, Source code ad hoc working group
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The source code ad hoc working group was created by consensus [170-C2] of the UTC, on the recommendation of the Properties & Algorithms Group, as described in document [L2/22-007R2], section “Proposed Plan”, with Mark Davis as the chair.

The source code ad hoc working group recommends that the PAG recommend that the UTC take the following dispositions:


2. Consensus: Accept the proposals in [L2/22-229] “Proposed changes to Unicode properties and reports for source code handling” for changes to the proposed updates of UAX #9, UAX #14, UAX #31, UTS #39, and UTS #51, to the property Other_ID_Continue, and to emoji variation sequences, for Unicode Version 15.1.
   a. Action Item for Mark Davis, PAG: Add the zero width joiner and non-joiner to Other_ID_Continue and its derivative properties, as described in P/(A) of [L2/22-229], for Unicode Version 15.1.
   b. Action Item for Mark Davis, ESC: Add sequences to emoji-variation-sequences.txt as described in section P/(B) of [L2/22-229], for Unicode Version 15.1.
   c. Action Item for Mark Davis, PAG: incorporate the changes to UAX #9 described in [L2/22-229] into the proposed update, for Unicode Version 15.1.
   d. Action Item for Robin Leroy, PAG: incorporate the changes to UAX #14 described in [L2/22-229] into the proposed update, for Unicode Version 15.1.
   e. Action Item for Robin Leroy, PAG: incorporate the changes to UAX #31 described in [L2/22-229] into the proposed update, for Unicode Version 15.1.
   f. Action Item for Mark Davis, PAG: incorporate the changes to UTS #39 described in [L2/22-229] into the proposed update, for Unicode Version 15.1.
   g. Action Item for Mark Davis, ESC: incorporate the changes to UTS #51 described in [L2/22-229] into the proposed update, for Unicode Version 15.1.
   h. Action Item for Robin Leroy, Murray Sargent, PAG: Incorporate a discussion of programming language identifiers into a future revision of UTR #25.

   b. Action Item for Mark Davis, PAG: Draft a proposed update of UTR #36 that incorporates references to the proposed UTS #55.

4. Consensus: Establish a Category A liaison between The Unicode Consortium and ISO/IEC JTC 1/SC 22 (Programming languages, their environments and system software interfaces), with Robin Leroy as the liaison officer.

5. Action Item for Asmus Freytag, PAG: Add support for sequence-to-sequence confusables in UTS #39, for a future version of Unicode.
6. **Action Item** for Asmus Freytag, PAG: In UTS #39, define a mechanism that excludes intra-script confusions commonly distinct in fonts used in programming environments (1/1/1/1, 0/σ, θ/0), and recommend its usage in UTS #55, for a future version of Unicode.

7. **Action Item** for Asmus Freytag, PAG: Define a way to identify the characters with good confusible data regardless of their usage (perhaps as part of Identifier_Type), and recommend its usage in UTS #55, for a future version of Unicode.