INTERNATIONAL ORGANISATION FOR STANDARDISATION

**ORGANISATION INTERNATIONALE DE NORMALISATION**

**ISO/IEC JTC1/SC 29/WG 3**

**CODING OF MOVING PICTURES AND AUDIO**

**ISO/IEC JTC1/SC 29/WG 3/M55646**

**January 6, 2021**

**Source: AHG on Font Format**

**Status: Contribution to the 2nd SC29/WG3 (MPEG Systems) Meeting**

**Title: Report of the AHG on Font Format**

**Author: Vladimir Levantovsky, on behalf of AHG**

# Ad Hoc group mandates

1. Review and discuss the text of Working Draft amendment of ISO/IEC 14496-22:2019\_AMD2 to improve and update COLR v1 table / data structure descriptions.
2. Discuss clarifications and updates to other parts of the OFF specification, and submit AHG recommendations for proposed changes to address identified technical issues.
3. AHG may discuss technical issues using GitHub MPEGGroup/OpenFontFormat repo (<https://github.com/MPEGGroup/OpenFontFormat>).

# Input Contributions for this meeting

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| --- | --- |
| m55646 | Report of the AHG on Font Format |
| m55831 | Proposed updates for extending COLR table format and functionality |
| m55833 | Proposed new amendments for ISO/IEC 14496-22 AMD2 |

# AHG Activities

* + - 1. Moderate level of discussions on the AHG email list covering a variety of topics, including proposed changes to the Working Draft text, review comments related to various GitHub issues, and coordination of activities with W3C Font & Text CG.
      2. Most of the discussions and activities during this period have happened in the [public GitHub repo dedicated to the COLR v1 spec](https://github.com/googlefonts/colr-gradients-spec), where many AHG members are active participants and collaborators.
      3. The [MPEGGroup/OpenFontFormat GitHub repo](https://github.com/MPEGGroup/OpenFontFormat/issues) was primarily used for issue tracking and for discussion related to additional recommended proposed changes and updates.
      4. Summary of discussions relevant to the AHG mandates:
* *Updates to COLR v1 tables / data structures specification.*  
  Substantial amount of work was conducted on GitHub to develop a significantly improved, updated COLR v1 specification. These updates, including amendments to font variation data structures, are summarized in the input contribution **m55831**.
* *Proposed new changes and amendments.*  
  Three additional proposals were brought up to introduced changes that were previously discussed in various forums, including script and language tag updates, and updated recommended implementation for Optical Size variation axis. These proposed changes and updates are summarized in the input contribution **m55833**.

# AHG Recommendations

The AHG recommends that proposed changes are accepted and implemented as updates to the current text of the Working Draft of ISO/IEC 14496-22:2019 AMD2. The AHG also would like to note that there is a number of open issues for which additional discussions are needed, as highlighted in the input contribution m55831.

The AHG also recommends that pending a successful resolution of the remaining open issues, the updated Working Draft of ISO/IEC 14496-22:2019 AMD2 should be promoted to Proposed Draft Amendment stage, and that a two-months ballot is opened upon the conclusion of the WG3 meeting to allow sufficient time for ballot comments be processed at the next WG meeting in April 2021.