Technical Bulletin

TB-2014-006

Informative Notes on SMPTE ST 2065-4 – ACES Image Container File Layout

The Academy of Motion Picture Arts and Sciences

Science and Technology Council

Academy Color Encoding System (ACES) Project Committee

March 29, 2016

Summary: This document provides notes on SMPTE ST 2065-4 – ACES Image Container File Layout.

NOTICES

Revision History

Version	Date	Description
1.0	12/19/2014	Initial Version
1.0.1	04/24/2015	Formatting and typo fixes
	03/29/2016	Remove version number - to use modification date as UID

Related A.M.P.A.S. Documents

Document Name	Description

Table of Contents

1 Scope

This document provides notes on SMPTE ST 2065-4 – Academy Image Container File Layout.

2 References

The following standards, specifications, articles, presentations, and texts are referenced in this text:

SMPTE ST 2065-4, ACES Image Container File Layout

3 Notes on SMPTE ST 2065-4

SMPTE ST 2065-4 – ACES Image Container File Layout specifies a standard file container for ACES data. The ACES Image Container is intended to be compatible with software and hardware capable of reading and writing the OpenEXR format though the ACES Image Container does not support all the features of OpenEXR. The ACES Image Container serves as an internationally standardized file format for interchange and archival. In practice, ACES data may be interchanged in OpenEXR or the ACES Image Container depending on the feature set required for production.

The Academy provides an open source ACES Image Container file writer reference implementation available on GitHub at http://www.github.com/ampas. Those wishing to implement the standard should refer to the SMPTE document which can be obtained from the Society of Motion Picture and Television Engineers.