

## **StEM Access Procedures**

September 24, 2010

The following is the procedure for gaining access to the American Society of Cinematographers/Digital Cinema Initiatives Standard Evaluation Material (StEM). Be aware that there are different versions of the StEM (e.g., 4K, 2K, RGB and XYZ files) as listed in this document.

1. Contact the Society of Motion Picture and Television Engineers (SMPTE):

SMPTE

Attn: Peter Symes, Director, Standards & Engineering

3 Barker Avenue

White Plains, NY 10601 USA

Phone: +1 914-761-1100 extension 2371

Fax: +1 914-761-3115

Email: [standards@smpte.org](mailto:standards@smpte.org)

Web: <http://store.smpte.org/category-s/31.htm>

SMPTE is the only current DCI-authorized provider of the StEM.

2. SMPTE will provide you with a copy of the DCI StEM User Agreement.
3. Review the document and, if agreed, sign and return the document with an original signature to SMPTE. (A faxed or email copy will suffice to begin the transaction, but the original signature agreement must be provided within five (5) business days.)
4. The requesting party is entirely responsible for compensating SMPTE.

The material was designed and is licensable for the following purposes:

- Digital cinema testing and SMPTE image/video testing
- Industry standards evaluations and demonstrations (e.g., SMPTE, ISO, etc.)
- Industry trade show demonstrations
- Educational purposes

## **Available Material**

### **StEM Uncompressed Mini-Movie with Trailer (2.39:1 scope aspect ratio)**

- a. 4096x1714, 16 bit TIFF Files, X', Y', Z' Color Corrected  
[Running Time ~12 minutes, 17239 frames, 41 MB/frame, ~682 GB]
- b. 4096x1714, 16 bit TIFF Files, R', G', B' Color Corrected  
[Running Time ~12 minutes, 17239 frames, 41 MB/frame, ~682 GB]
- c. 2048x858, 16 bit TIFF Files, X', Y', Z' Color Corrected  
[Running Time ~12 minutes, 17408 frames, 11 MB/frame, ~170 GB]
- d. 2048x858, 16 bit TIFF Files, R', G', B' Color Corrected  
[Running Time ~12 minutes, 17408 frames, 11 MB/frame, ~170 GB]
- e. 1920x804, 16 bit TIFF Files, R', G', B' SMPTE 274M Color Corrected  
[Running Time ~12 minutes, 17408 frames, 12 MB/frame, ~190GB]
- f. 5.1 Audio Stems
  - i. Six (6) channels of 48 kHz, 24 bit, .wav files, conformed to image, including 2 pop:
    - Left
    - Right
    - Center
    - Low Frequency Effects
    - Left Surround
    - Right Surround