GENERAL INFORMATION

- Ad Operations Contacts
  - Tiffany Davis (Tiffany.Davis@aenetworks.com)
  - Joseph Florido (Joseph.Florido@aenetworks.com)
  - Christina Price (Christina.Price@aenetworks.com)
  - Damien Scott (Damien.Scott@aenetworks.com)
  - Greg Rubin (Gregory.Rubin@aenetworks.com)
  - Susan Jennings (Susan.Jennings@aenetworks.com)
- Lead Time: 3-5 business days before campaign start
- Please include your Account Manager when providing traffic materials
- Click tracking required on all creative content and must open in a new browser window or tab
- A+E defines user-initiated video as engagement with any of our content. Video advertisements that air with our content must play without additional user engagement requirements including “click to play”
- All creative content is subject to approval

Contents

Pg. 3 – Video Specifications (A+E Site Served)
Pg. 4 – 3rd Party Video Certified Vendors
Pg. 5 – STB Video On Demand

A+E supports universal Ad-ID
VIDEO SPECIFICATIONS (A+E SITE SERVED)

- Video specifications support campaigns on all IP platforms including Desktop, Mobile/Tablet Web, Mobile/Tablet Apps and CTV devices

- Format: QuickTime MOV (Preferred)
  - Codec: Apple ProRes 422
  - Resolution: 1920x1080 – square pixel aspect ratio
  - Video Bitrate: VBR expected at 117Mbps – 147Mbps
  - FPS: Same as source (23.98, 25, 29.97)
  - Audio: 2-Channel Stereo, LPCM in either Big Endian or Little Endian, 16-bit or 24-bit, at least 48kHz, -24 LKFS +/-2

- Format: MPEG-4
  - Codec: AVC (H.264)
  - Format Profile: High@ L4.1
  - ReFrames: 2
  - Video Bitrate: 20Mbps or higher
  - Resolution: 1920x1080 (19:9)
  - Chroma Sampling: 4:2:0
  - Frame Rate: Native Frame Rate (23.98, 25, 29.97)
  - Scan Type: Progressive
  - Audio: AAC, 192kbps, 2-channel stereo, 48kHz
### 3rd Party Video Certified Vendors

<table>
<thead>
<tr>
<th>Vendor</th>
<th>1x1 Tracking Pixels (All Platforms)</th>
<th>VAST 2.0 .mp4 (Desktop, Mobile, Tablet &amp; CTV)</th>
<th>VPAID JavaScript (O&amp;O Desktop, Mobile &amp; Tablet App)</th>
<th>Hulu¹ VAST .mp4 or .mov (All Platforms) Separate Tag Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adobe</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td></td>
</tr>
<tr>
<td>BrightLine</td>
<td></td>
<td>● (Roku Only)</td>
<td></td>
<td>●</td>
</tr>
<tr>
<td>BrightRoll</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td></td>
</tr>
<tr>
<td>Extreme Reach</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>FlashTalking</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Google Ad Manager</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Innovid</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Sizmek</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

**A+E requires all 3rd party vendors to support/pass US privacy parameters for 1x1 pixels and VAST XMLs**

Note: If a 3rd party vendor is not listed, A+E reserves the right to certify tags before implementing in direct paid campaigns. Please allow extra time for certification.

All 3rd party served creative should be called using secure tags and contain an .mp4 creative rendition.

---

1. **Hulu Full Creative Specs:** [https://www.hulu.com/advertising/ad-product/video-commercial/](https://www.hulu.com/advertising/ad-product/video-commercial/)

Include only highest available HD rendition to expedite testing and activation of tags – 1280x720 or 1920x1080 – No VPAID renditions accepted

---

**VAST accepted across all platforms except STB-VOD**

- Media files should be available at top level XML
- Wrappers/redirects will not be accepted for campaigns trafficked as direct paid
- Audio spec: -24 LKFS +/-2

---

**True[X] Interactive creative available on the following platforms:**

- Desktop
- Mobile: iOS/Android App
- CTV: Roku, tvOS
Creative Site Served Video Requirements

- Format: QuickTime MOV or MPEG-4
  (Full Requirements on Page 3)

Creative may also be delivered via select partners. Please deliver to any of A+E’s destinations (VOD preferred)

- Adstream
- Comcast AdDelivery
- Extreme Reach
- Javelin
- Syncro Services
- Yangaroo (Destination: AEVOD)

1x1 impressions pixels may be applied for 3rd party tracking (Please see page 4 for list of certified vendors)