

Please ensure your organization/location meets hardware, software and bandwidth requirements well in advance of the conference; consult with your IT staff or consultant to ensure you are ready and available to access all elements of the event before it begins.

### **Step 1: Browser Test**

**Please take the following browser test for (Slides/Video/Audio):**

<http://events.commpartners.com/webcasts/browsertest/>

**Step 2: Please review the following Technical Requirements and be sure your system and networks are up to date.**

#### **Hardware Requirements:**

- 2.0Ghz processor or faster
- 512 MB RAM (1 GB recommended)
- Monitor and Video Card that support 64k color
- Hard-wired Internet Connection with a High Bandwidth allowance on your network.
  - A connection of 2 Mbps or higher for the webcast presentations with full-motion streaming video. Please check your internet speed at: <http://www.speedtest.net/>
  - Please contact your IT department and notify them you will be streaming both audio and video the week of the conference and to allow for enough bandwidth usage during that period of time.

#### **IP Addresses and Ports to Allow for HTML5:**

72.32.161.112 port 80, 443 (web and audio)

72.32.200.104 port 80, 443 (web and audio)

72.32.221.65 ports 80, 443 (web and audio)

72.32.221.66 ports 80, 443 (web and audio)

67.203.7.114 ports 80, 443 (web and audio)

You should consult your IT department or internet provider. We recommend a broadband connection with ports 80, 443 and 1935 open and minimum firewall restrictions. For highly restricted networks please make sure the following IP addresses and ports are open on ports 80, 443 and 1935.

#### **Minimum Internet Browser Requirements:**

Browsers must support HTML-5. To detect your browser version, run <https://whichbrowser.net/>

- Windows 7 or later
- Mac OS X 10.9 or later

- Chrome 60 or greater
- Firefox 52 or greater
- Edge 14 or greater
- Safari 10 or greater
- iOS 10 or greater
- Internet Explorer 11

#### **Other Recommendations**

- It is recommended that you use a PC or MAC with an updated Internet Browser.
- Make sure you have pop-ups blockers disabled in your Internet browser settings.
- Make sure that your internet browser is Active X enabled.
- Wi-Fi is not recommended. The problem with Wi-Fi is signal strength can vary causing bandwidth to increase or decrease.
- We recommend a wired connection. A wired connection gives a consistent signal and consistent bandwidth. A wired connection provides a better experience.
- Audio (sound) is projected through your computer speakers. Be sure your computer is equipped with speakers or the room where the conference is being broadcast is equipped with speakers so you can hear the presenters.

#### **Need Further Technical Assistance?**

Please send an email to [aium@commpartners.com](mailto:aium@commpartners.com) or call our Customer Support Team at 800-274-9390