**2016 Off-site Webcasting Requirements**

Below is a listing of the requirements necessary to be able to webcast an event at a remote location.

**Preferred connection**

* Ethernet connection (hard line drop).
* Dedicated connection that is not sharing bandwidth with a public WiFi, or a connection that could possibly be saturated.
* Preferred speed of 1Mbps (megabits per second) **outbound** connection speed from the location.
* Firewall open allowing outbound connections to host *enclive.tvwmedia.net* on port *1935*.
* Open firewalls allowing all outbound connections are preferred.

**Absolute minimums**

* 256Kbps of **outbound** speed is the bare minimum. Quality of webcast will have to be degraded to make this happen. If a connection can only obtain this kind of outgoing speed, it is absolutely imperative that it is not shared with other users.
* WiFi is possible for streaming if a hard line is not available, however they tend to be shared with the public, or other users with smartphones or tablets.
* If port *1935* is unavailable to open outgoing on the firewall, encoder can be set to traverse via port *80*. This is not preferred, as sometimes proxy servers can cause connection issues and video buffering problems.
* If a network does not have DHCP available (automatic IP address) configuration, we will need to obtain static IP information and have it configured in the encoder before it leaves the station.