



Internet Service Requirements for the Media Room for the 2017 Bid Process

February 18, 2016 – Updated April 14, 2016

(Please reference for 2017 Bid Process)

NetworkRequirementsMediaRoom.pdf

Please Note: Indiana FIRST will provide equipment to do what is described in this document. We only require the school to provide the network connections with unfiltered Internet access. The intent of this document is to provide a better understanding to the venue IT staff of what equipment will be brought in and used by IndianaFIRST.

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Media Room Requirements and Specifications:

1 – Wired connection to supply service to our NAT server. This connection needs to allow us to do network address translation to our local network.

2 – The server will also be setup as a SAMBA file server to the local network. This will be our local store of video and photo content.

3 – Gigabit link is requested.

4 – The local network may have up to 15 computers connected and 1 or 2 printers.

5 – The MAC address of the port on our server facing the school's network is: 00:25:90:b5:94:41 We can accept a DHCP address or use one assigned to us by your staff. Please let us know the address before setup day so we can have the server configured and ready to go if you want us to use a static IP address.

6 – We prefer a totally open connection. If not then see port requirements below.

7 – Please open email ports and servers in the following list:

Servers to open:

ems02.meyermat.net 50.196.210.227

smtp.redalert1741.org 192.254.231.138

imap.redalert1741.org 192.254.231.138

imap.gmail.com (IP changes from load balancer)

smtp.gmail.com (IP changes from load balancer)

Ports to open: 25, 587, 465, 143, 993, 110, 995

8 – FTP ports and service should be open.

9 – I would like to have this setup, tested and functional well ahead of the event date. The IndianaFIRST media team is available for site visits for a test run with the schools network engineer if he/she thinks that would be helpful.

10 – It is very helpful to have the venue network engineer available at event setup time to work out any last minute issues. If possible we would like to have them available for contact during the event or check in at the start of the first day to verify systems are functional.

11 – We would like to be able to communicate between the media room and the FMS system location. Details for this are left up to local staff recommendations. One way to do this is by assigning us our own VLAN. If this cannot be done through local infrastructure we may just run a long Ethernet cable between locations. File sharing is main goal.

12 – We would like to use local WiFi. We can support this in the media room area with one of our access points or use the local system if open access can be arranged. This can be worked out with the recommendations of the local staff.

FMS Requirements – Subject to change for 2017

Resolved at setup time

1 – System uses a router that will NAT to a local network for the Robots. The MAC address for this device will be provided. This system should have unfiltered access to the Internet.

2 – Any rouge access point detection and silencing features of the local system needs to be shut down so it does not interfere with the robot network.

A/V Requirements –Subject to change for 2017

Resolved at setup time

1 – System uses a device that streams video to live streaming service. This device needs unfiltered access to the Internet. The MAC address for this device is 00:1E:C0:DC:32:BC.

2 – We use a computer for a video switching system The MAC address for this computer is d8:97:ba:3d:1b:3a

3 – We us another computer to drive power point presentations on the main screen. MAC unknown at this time.

4 – Another device is a video switcher controlled over Ethernet. MAC address unknown.

5 – Permission to setup shares between media room and AV computers using house infrastructure.