



## MC-IP-Series Technical Training Test Part 3 – Wiring

Your Name: First: \_\_\_\_\_ Last: \_\_\_\_\_

Contact Information: Email: \_\_\_\_\_

Company/Employer: \_\_\_\_\_ Phone: \_\_\_\_\_

1. What is Tech Works MC-IP used for?
  - a. Detention Cell to Guard Communication
  - b. Police Station and Court House Intercom
  - c. Prison Infirmaries and Isolation Room Intercom
  - d. All of the above
2. What type of wiring does an MC-IP system typically use?
  - a. CAT5/6
  - b. Multi-Pair Telephone Cable
  - c. Coax
  - d. None of the above
3. What type of Network architecture does the MC-IP system require?
  - a. Open architecture
  - b. DHCP
  - c. Closed, Private, Unmanaged
  - d. Does not matter
4. What does Network Latency cause?
  - a. Signal delays
  - b. Slow responses
  - c. Communication interruptions
  - d. All of the above
5. On an IP integrated system the control commands are sent to MC-IP by?
  - a. A single network connection per property
  - b. One or more network connections, determined by your design
  - c. Only by an OMRON NX Server
  - d. Only to an MC-IP-Server WAN port
6. API commands are sent?
  - a. From your touch screen control to the MC-IP-HOST
  - b. Via ASCII text commands
  - c. A CAT6 patch cord from the control system to the MC-IP Network
  - d. All of the above



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7. What is the advantage of having local control interface, by building, on a large campus wide system?
  - a. Better quality audio
  - b. Less delays
  - c. Redundant operation of each building
  - d. Less wire
8. If each building has a local control system interconnection to the local MC-IP system, can anyone call anyone on the property?
  - a. It depends on your campus network architecture
  - b. It depends on system programming
  - c. Both a. and b. above
9. If you have a fully integrated MC-IP-SERVER based system, how many stations are there?
  - a. 1024
  - b. 16,384
  - c. 17,408
  - d. None of the above
10. By adding the MC-IP-MSI-11 to a system, you can add?
  - a. Professional Microphones and Local Ceiling Speakers
  - b. Headsets
  - c. Dome Lights
  - d. All of the above
11. The MC-IP-MSI-11 connects to the MC-IP Network by?
  - a. Special audio wire
  - b. Standard CAT Network Cable
  - c. Through an analog interface
  - d. Does not connect at all
12. If you connect the MC-IP-MSI-11 to the MC-IP Network, you can add?
  - a. Interface to CI-Series Products
  - b. Add Headsets
  - c. Add Local Operator Monitoring
  - d. Add Music and Paging
  - e. All of the above



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13. What TIA cabling standard does Tech Works recommend?
  - a. 568-A
  - b. 586-B
  - c. 568-C
  - d. 568-D
14. What Cable does Tech Works recommend?
  - a. CAT5
  - b. CAT6
  - c. CAT3
  - d. All of the above
15. What does the Network ID Switch do?
  - a. Turns off the static
  - b. Sets the static IP address of each box
  - c. Sets the MC-IP-HOST IP address
  - d. Sets the audio ALC
16. The MC-IP-ODC has?
  - a. All of the connections inside the console
  - b. Local power only
  - c. Mounting holes to screw it down if needed
  - d. Both a. and c. above
17. When wiring the station ports on the MC-IP-116, the speaker connects to?
  - a. Pin 1 & 2
  - b. Pin 2 & 3
  - c. Pin 3 & 4
  - d. Pin 5 & 6
18. When wiring the remote station speakers wires at the station?
  - a. You should always connect shield to the box or conduit to ground the speaker
  - b. You should always choose the highest wattage tap
  - c. Connect the button to shield and the call wire
  - d. Connect the shielded pair to the speaker transformer
  - e. Both c. and d. above



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19. When connecting an external paging amplifier to the MC-IP-116, you must?
  - a. Connect the audio output and control to the PA-Buss output
  - b. Connect the Paging amplifier output to the External amplifier input
  - c. Tell the Configuration software that this MC-IP-116 will be using an External Amplifier
  - d. All of the above
20. The MC-IP-116-NC2 uses what kind of station wiring connections?
  - a. Analog
  - b. Digital
  - c. Both a. & b.
  - d. Neither
21. How many call points does each MC-IP-116-NC2 station port have?
  - a. One
  - b. Two
  - c. Three
  - d. Four
22. MC-IP 116-NC2 station can run on what kind of wire?
  - a. CAT5
  - b. CAT6
  - c. Existing analog wire
  - d. All of the above
23. MC-Stations have how many RJ45 connectors on the back?
  - a. One
  - b. Two
  - c. Three
  - d. Four
24. What are the RJ45 connectors on the back of MC-Stations for?
  - a. Data connection to the network
  - b. Analog signal station In and Out to the next station
  - c. Both a. and b. above
  - d. Neither



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25. If an MC-Station part number has "-RC" on the end it means the station has how many buttons?
- One
  - Two
  - Three
  - Four
26. If an MC-Station part number has "-RC" on the end it means the station is??
- Remote Cancel only
  - Can be canceled by the Operator ending a call
  - Can be canceled by a remote contact closure
  - All of the above
27. The MC-NC2-DL-22 is?
- A One Color One Port dome light
  - A Two Color Two Port dome light
  - A Three Color Tree Port dome light
  - A Four Color Four Port dome light
28. The MC-NC2-DL-44 is?
- A One Color One Port dome light
  - A Two Color Two Port dome light
  - A Three Color Tree Port dome light
  - A Four Color Four Port dome light
29. On the MC-IP-MSI-11 the microphone should be wired with?
- #18 - 2 conductor with no twist
  - Twisted shielded pair cable
  - Twisted unshielded cable
  - #18 Twisted pair cable
30. On the MC-IP-MSI-11 the speakers should be wired with?
- #18 - 2 conductor with no twist
  - Twisted shielded pair cable
  - Twisted unshielded cable
  - #18 Twisted pair cable

If this button does not work please save your test and email it to [info@TechWorks-USA.com](mailto:info@TechWorks-USA.com)