



# PJM Cloud Training Environment

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Tech Change Forum

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- Distributed Training Environment leveraging cloud technology
- Expected In-Service date of March 1, 2022
- Targeting Simulation Exercises
- Asynchronous Training Courses (Future)
- Requires learners to access the cloud using Remote Desktop Protocol (RDP) technology

Action Required	Deadline	Who May Be Affected
Verify Network communication to cloud environment	<b>March 25</b>	Member IT/Networking Staff
Ensure Remote Desktop Protocol (RDP) Connectivity to the cloud environment	<b>3 days prior to a course</b>	Anyone taking PJM courses with the Cloud (targeting System Operators)
Initial Roll-out PJM Operator Seminar - week 4	<b>March 28</b>	All Operators attending the seminar virtually.



- Requires learners to access the cloud using Remote Desktop Protocol (RDP) technology
  - RDP access will be necessary for learners to the PJM cloud environment
  - Specific Internet Protocol (IP) address will be provided upon registration
    - PJM will limit the IP addresses to about 10 for reuse
    - Subject to change, typically all IPs will change about once a year
  - Specific Firewall Ports will need to be open
    - Port numbers range from 49152 to 65535 for each IP

- Remote Desktop Protocol (RDP) Software Availability
  - RDP comes standard on Windows OS
  - Apple devices support RDP with a Microsoft developed App
  - Microsoft advises against the default Apple RDP client
  - Connectivity through mobile devices is not supported
- Connectivity must be tested between student registration and class delivery
  - Pre-class requirement to validate connectivity
  - Extremely limited PJM Support is available at the time of a course offering

- More details can be found on PJM's web site here: [Cloud Simulation Training Connection Information](#)

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## PJM Cloud Training Environment



Member Hotline

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POWER GRID  
THINK BEFORE  
YOU CLICK!**



Be alert to  
malicious  
phishing emails.

**Report suspicious email activity to PJM.**  
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