

## Ports and Services Required for Normal and Emergency Operations (see documents attached)

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**Date: May 1, 2019**

### Summary:

Document ports and services for cyber security regulatory compliance

### Environment:

- Ports and services
- Regulatory compliance
- NERC
- FERC
- CIP
- NEI
- WIB
- HMI
- Mark controllers
- Network switches
- Network protocols

### Recommendations:

See related documents for latest ports and services information

### Cause:

GE Controls Solutions has compiled a list of the TCP/IP and UDP/IP ports and system services that reflect default configurations for the devices and software.

Adapting the NERC Cyber Security Infrastructure Protection (CIP) and NEI 08-09 terminologies GE Controls Solutions defines:

- Ports as open ports on the access control list (firewall) into and out of the electronic security perimeter
- Services as running services on the operating systems that support critical applications (for example services running on critical cyber assets or critical digital assets.)

GE Controls Solutions provides the attached report based on the hardware platform the selection of options and default configurations.

**Attachments**

[Ports and Services 1.15.xls](#)

[Ports and Services Report 1.15.pdf](#)

[https://gepowerpac.service-now.com/kb\\_view.do?sysparm\\_article=KB0011985](https://gepowerpac.service-now.com/kb_view.do?sysparm_article=KB0011985)

GE Power Product Security Incident Response Team (PSIRT)

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