

Date:

To: IT Manager / Network Administrator

Subject: Allowing GRIDlink ADR to Operate on Corporate Network

As part of an Energy Saving initiative or Engineering evaluation we request that you add the GRIDlink ADR to the devices permitted to operate on your network.

The GRIDlink ADR is a stand-alone secure Internet appliance which has no keyboard, mouse or display to allow user interface.

GRIDlink ADR accesses 2 secure Internet servers to perform its functions; the Utility's Demand Response Virtual Top Node Server (VTN) and GRIDview. The Internet firewall needs to permit outgoing requests on TCP port 443 (required). Other ports (shown below) may be required for testing configurations. No incoming TCP or UDP ports should be allowed or are required.

GRIDlink ADR uses UDP port 123 for network time protocol (NTP). The GRIDview server is the time server.

The default GRIDlink ADR configuration uses DHCP to obtain an IP address, gateway and DNS server. If a DHCP server is not available, the GRIDlink ADR may be configured with a static IP prior to shipment.

GRIDlink must have access to a DNS server (UDP port 53) that can resolve the GRIDview server and the VTN.

The GRIDview site may be used for remote management of the GRIDlink ADR device. GRIDlink ADR communicates with GRIDview by polling for changes using SSL on port 443. GRIDlink ADR communicates with the VTN using SSL on port 443.

In summary:

Outgoing Port	Reason
UDP 53	DNS
UDP 123	NTP
TCP 443	HTTPS

Incoming Port

None

If you chose MAC address to IP mapping, our certified installer will provide you with the MAC address of the GRIDlink ADR to be installed. We ask that you map that to a designated IP address which will be assigned when the GRIDlink is placed online.

Sincerely,