Jack Voltaic™ 3.0

Critical Infrastructure Resilience Research Project

What is Jack Voltaic™? Jack Voltaic™ is the ACI's focused research on both critical infrastructure and public/private partnerships. It is a local government and industry focused experiment that examines a city's ability to respond to a multi-sector cyber-attack. The Jack Voltaic™ experiment seeks to:

- affect multiple sectors and require a coordinated response.
- provide a learning environment that enables participants to gain exposure, train, and assess response.
- conduct a synchronized "table-top" and "hands-on-keyboard technical" event where both leadership and technical teams communicate and work within and outside their sectors.
- focus on information sharing and response coordination.

What is DEFENDER 2020? Defender 2020 is an Army exercise that employs dynamic force employment (DFE) of large-scale CONUS-based forces into Europe.

What is Jack Voltaic™ 3.0?: The third experiment in the Jack Voltaic™ series will align with DEFENDER 2020 through the use a regionally-focused scenario where civilian infrastructure influences military deployment. Charleston, SC, and Savannah, GA, are key locations that support force projection and represent prime candidates for this iteration. By conducting Jack Voltaic™ 3.0, both cities have an opportunity to rehearse, refine, and demonstrate their cyber response capabilities through multi-echelon partnerships. We see the following objectives for Jack Voltaic 3.0:

1. Develop a framework that supports the ability of Charleston and Savannah to exercise a multi-sector physical and cyberattack.
2. Exercise and showcase the Cities of Charleston and Savannah as state and national leaders in emergency cyber incident response, both for ensuring public services and safeguarding critical infrastructure.
3. Reinforce a "whole-of-nation" approach and appropriate response to cyber events through sustained multi-echelon partnerships across industry, academia, and government.
4. Examine the Army's coordination process for providing cyber protection capabilities on order in support of deployment operations and/or Defense Support of Civil Authorities (DSCA) requests.
5. Examine how cyberattacks on civilian critical infrastructure impact and/or influence the ability of the Army to successfully conduct force projection.

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