

The Department of the Air Force is conducting CJAs to identify key mission systems and assets and develop an understanding of dependencies and deficiencies in the event of impacted water or energy services.



A CJA evaluates the impact of a denial of service to assets that enable key missions, such as the F-35.

Crown Jewels Analysis

A Crown Jewels Analysis (CJA) identifies on and off base systems and assets whose failure can cause mission impact if a service such as energy or water is denied. The CJA is a facilitated process among key stakeholders and its results establish a common understanding of the known and unknown dependencies, deficiencies, and potential workarounds necessary to continue the mission.

Why Conduct a CJA?

A CJA provides an installation with several advantages. A CJA:

1. Facilitates a joint conversation among key stakeholders at a level that is not often done; this helps break down assumptions and supports a greater understanding of the mission.
2. Remains unclassified, allowing information to be more accessible to various mission stakeholders.
3. Evaluates the impact of a denial of service to key mission systems and assets, regardless of what causes the denial of service. By taking a probability-agnostic approach that accounts for low-probability, high-impact events, an installation can be best prepared to execute their mission, no matter the situation.
4. Informs an installation's planning and investment strategy to target areas where investment may most effectively enhance mission resilience.
5. Justifies project funding. By using CJA results to demonstrate that a project can minimize impact to mission during a denial of service event, an installation has a better chance of receiving limited funding to support project execution



Crown Jewels Analysis

How Do CJAs Work?

As part of a CJA Workshop, mission owners are guided through a process to complete the following:

- Decompose the mission into a four-tier hierarchy: Mission Objectives, Functions, Tasks, Assets/Mission Systems (see Figure 1)
- Assign relative weights for Mission Objectives and criticality scores for Functions, Tasks, and Assets/Mission Systems
- Based on data collected during a CJA Workshop, the CJA Tool produces the following outputs:
- A list of Crown Jewels, which are on and off base systems or assets whose failure stand to impact the mission
- Mission Objectives that may be particularly impacted by a denial of service event because they rely on several Crown Jewels

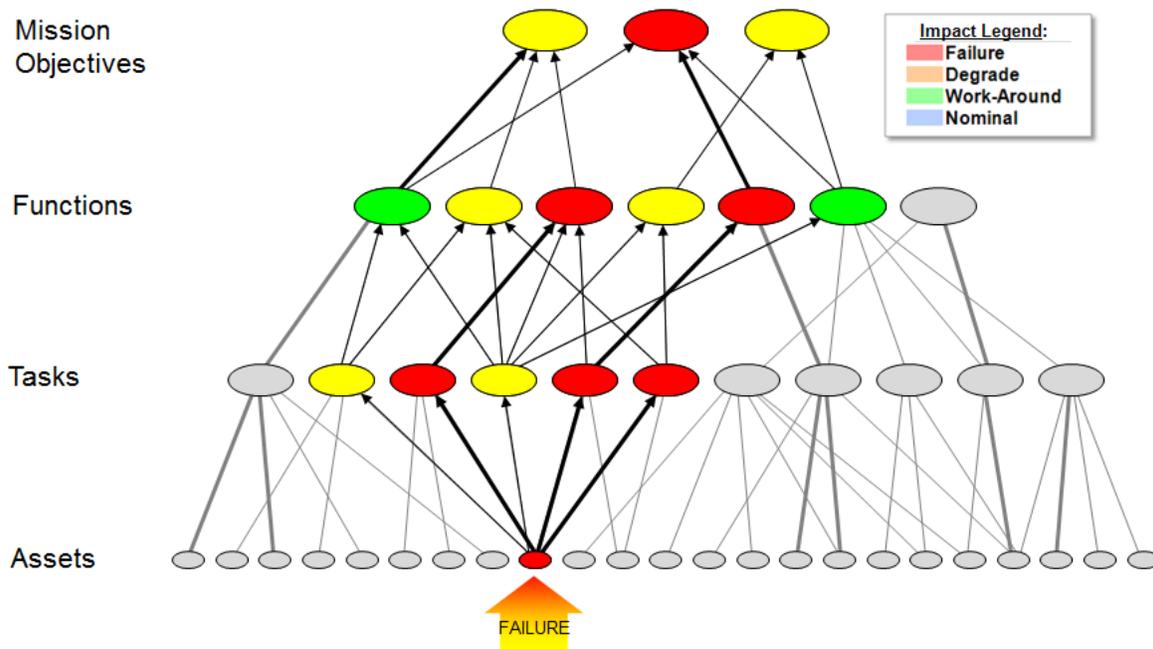


Figure 1. Denial of Service Event Impact on CJA Mission Decomposition Tiers

The Department of the Air Force is taking a resilience-focused approach to future energy and water projects concentrated on providing strategic agility for missions and installations.



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