



# DECOMPOSITIONS OF NATIONAL CRITICAL FUNCTIONS

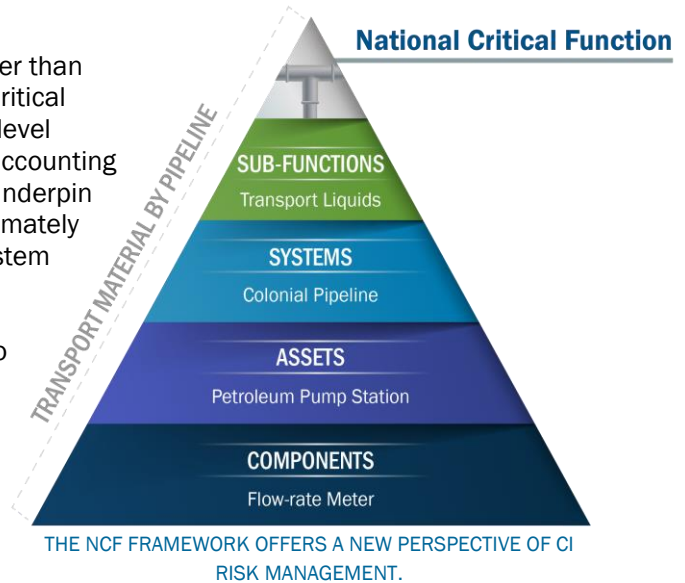


DEFEND TODAY, SECURE TOMORROW

National Critical Functions (NCFs) are a functional perspective of the nation's critical infrastructure (CI). This holistic view finds connections between sectors, looking at all the relationships within CI. The functional perspective allows leadership to make risk informed decisions with the whole picture including cross cutting or cross sector risks, emerging risks, and functional dependencies.

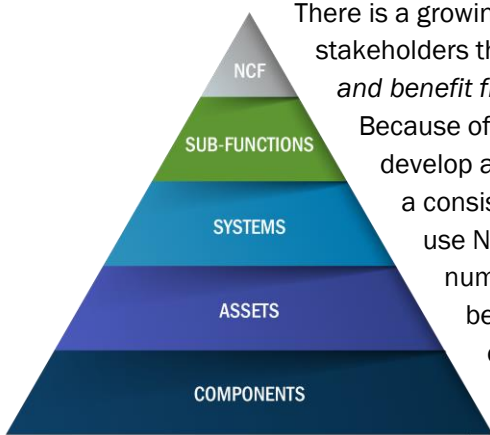
Risk management was approached at the asset level rather than *identifying cascading impacts and dependencies* across critical infrastructure. This functional approach enables a higher-level understanding of impacts on the nation's infrastructure, accounting for the assets, systems, networks, and components that underpin those functions. Viewing risk through a functional lens ultimately adds resilience and hardens systems across the CI ecosystem in a more targeted, prioritized, and strategic manner.

To implement this functional approach of assessing risk to CI, the National Risk Management Center is developing a Suite of Tools for Analysis of Risk (STAR). STAR's integrated, analytic approach to risk methodology and common standards unifies NCF data and models to allow stakeholders to make informed decisions about risk. STAR, in combination with the NCF framework, offers a new way to conduct dependency analysis between CI components and systemic CI risk.

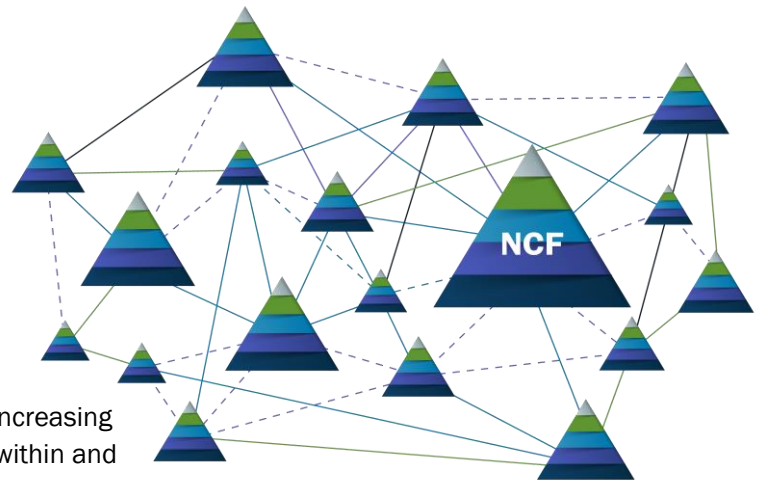


## NCFs are an Effective Framework

- Conveys the complexities and dependence on CI
- Identify cross sector stakeholder connections



There is a growing cohort of stakeholders that both *contribute to and benefit from* the NCF dataset. Because of the hard work to develop and validate the data in a consistent way, analysts can use NCF data to identify an increasing number of dependencies, within and between NCFs, and can convey a more holistic picture of risk.



STAR IDENTIFIES AND DISPLAYS FUNCTIONAL CONNECTIONS WITHIN CI ACROSS THE 55 INDIVIDUAL NCFs AND BETWEEN NCF DEPENDENCIES. THIS ENABLES ANALYSTS TO UNDERSTAND HOW FAILURES IN KEY NCFs, SYSTEMS, ASSETS, AND COMPONENTS COULD CASCADE ACROSS SECTORS AND INDUSTRIES.