

Department of Defense (DoD) is responsible for protecting the United States by providing for a national defense. The Department of Defense is responsible for providing the military forces needed to deter the war and protect the security of our country. The major elements of these forces are the Army, Navy, Marine Corps and the Air Force, consisting of about 1.7 million men and women on active duty.

DoD operations and offices are located across the country, and the armed services operate in many parts of the world, the Defense Department is primarily centered at the Pentagon, one of the largest buildings ever constructed. In order to operate effectively (although not necessarily efficiently, critics would argue), the DoD maintains a complex organizational structure that segments the hundreds of tasks that are performed both on a day-to-day basis and for long-term strategic planning. The DoD is led by the Secretary of Defense, a cabinet-level position appointed by the President and subject to confirmation by the U.S. Senate. The Secretary of Defense is assisted by a variety of under secretaries and assistant secretaries who manage specific functions.

The abilities are Detect, examine right now the reason for an assault, and help the law authorization. Dynamic Network Defense, t malignant or potentially irregular movement, lead threat and harm evaluations. Defenselessness Assessment and Remediation characterize, personality, and arrange security vulnerabilities. Give information on cyber assault strategies, episodes, and dangers. Forestall and Protect the arrangement consistence, hazard relief, and preparing occasions. Rebuilding of Services and Functions gives SMEs in appraisal, alleviations

Cyber threat reaction have a few duties to do they are the reaction power. They use armed force watch structure and furthermore will use air protect work force as reach back ability. Their essential concentrate today is basic framework. They give political decision support in which they plan how the races will be taken care of, they overview about the races and gives survey and primarily they verify and secure the political race framework without being hacked by others. Solicitation for KSNG reaction comes through KDEM.

It mainly works on cyber threat and try to keep the information safe. The various challenges are licensing issues, preservation of evidence for forensic use. Cyber threat reaction are not people on call. They are not free. They don't contend with private ventures. They are not accessible if the need arises cyber security in lieu of organization or government element giving their own cyber security. They don't have Hack Back power.

Accelerate cyber capability development: The Department will accelerate the development of cyber capabilities for both warfighting and countering malicious cyber actors. Our focus will be on fielding capabilities that are scalable, adaptable, and diverse to provide maximum flexibility to Joint Force commanders.

Leverage automation and data analysis to improve effectiveness: The Department will use cyber enterprise solutions to operate at machine speed and large-scale data analytics to identify malicious cyber activity across different networks and systems. The Department will leverage these advances to improve our own defensive posture and to ensure that our cyber capabilities will continue to be effective against competitors armed with cutting edge technology.

Employ commercial-off-the-shelf (COTS) cyber capabilities: The Department excels at creating cyber capabilities tailored for specific operational problems. In addition to these capabilities, we will make greater use of COTS capabilities that can be optimized for DoD use.