

National security space defense and protection

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Note sur le contenu : Summary Context for study. Introduction Space-enabled capabilities are increasingly shared The accessibility of space Domestic and international consumer markets Government and commercial sectors Consumer demands help drive innovation in space The vitality of space National security uses of space. Low Earth orbits and functions ; Medium Earth orbits and functions ; Geosynchronous Earth orbits and functions ; Highly elliptical orbits and functions Final Thoughts Selected issues related to national security space defense and protection. Introduction The characterization of space in national discourse The role of space in national security Space services : classifying what is at stake Threats to space systems and services Defending and protecting national security space assets : space defense triad System protection measures Deterrence measures. Credibility of a deterrent threat ; Capability of responding ; Communicating deterrence messages Coalition formation and international regimes Final Thoughts

Résumé ou extrait : Présentation de l'éditeur : "It is not yet 60 years since the first artificial satellite was placed into Earth orbit. In just over a half century, mankind has gone from no presence in outer space to a condition of high dependence on orbiting satellites. These sensors, receivers, transmitters, and other such devices, as well as the satellites that carry them, are components of complex space systems that include terrestrial elements, electronic links between and among components, organizations to provide the management, care and feeding, and launch systems that put satellites into orbit. In many instances, these space systems connect with and otherwise interact with terrestrial systems; for example, a very long list

of Earth-based systems cannot function properly without information from the Global Positioning System (GPS). Space systems are fundamental to the information business, and the modern world is an information-driven one. In addition to navigation (and associated timing), space systems provide communications and imagery and other Earth-sensing functions. Among these systems are many that support military, intelligence, and other national security functions of the United States and many other nations. Some of these are unique government, national security systems; however, functions to support national security are also provided by commercial and civil-government space systems."

Sujet - Nom commun : Astronautique militaire -- États-Unis

Aspect économique -- Aspect économique

Armes spatiales

Guerre spatiale

Défense antimissile balistique -- États-Unis