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VIRTUAL AND LEGAL CHALLENGES OF SPACE LAW AND OVERCOMING THEM

Abstract

Since launching of Sputnik in 1957 and concerns about the occupation and militarization of the outer space, two hostile space powers requested the United Nations concerning space activities and governing rules to adopt principles. Early space law treaties created regarding exploration and use of outer space based on the principle of common heritage of mankind. Though the development of space continued, treaties have been found inadequate to handle the challenges on space future accordingly discoveries and developments we face these days. In my research a study on overcoming defects by exposure of amendments and supplementation in conventions and providing solutions would be considered to fill-in the gaps in national and international legislation. The other probe provides which legislative authorities other than United Nations organizations are appropriate for some attendant concerns about military utilization, orbital debris, environmental protection and their result on space tourism as regards have not been covered completely by treaties. In the wake of emerged issues, my article represents several progresses to prevent future challenges finding long-lasting solutions and regulate the private space activities by holistic approach. It is intended that establishing a uniformity legislative assembly and space court with the enforcement competency at the international level to settle disputes of international responsibilities on nuclear technology, claims indemnity of space collisions and payment terms is a crucial component in space. Secondary solution will be required to apply preventing strategies like nanotechnology in conformity with avoiding orbital debris. The empirical results provide important implications of international cooperation development on space demilitarization and protection of citizenry of countries regardless the process of using local remedies at the national level. All this process makes more attention to ensure the safety of future satellites and manned space missions and increases the probability extension of space tourism for manned space flight.

Key words: space treaties, space development activities, national and international legislation, space debris, space tourism.