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ARTIFICIAL INTELLIGENCE AND ASSET PROTECTION IN THE SPACE ENVIRONMENT

Abstract

This paper will analyze potential legal and policy issues associated with utilizing Artificial Intelligence ("A.I."), which includes Machine Learning ("ML") algorithms, for asset protection purposes in the space environment. The deployment of A.I. and ML for space asset protection present the threshold issues of how much autonomy space objects should have and how much human oversight and supervision is necessary. Theses fundamental issues surface as Outer Space Treaty Article VI mandates State supervision of the space activities of non-governmental entities while Article VIII requires State control over registered space objects.