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TOWARDS ORBITAL SUSTAINABILITY: ASSESSING THE WORLD ECONOMIC FORUM'S 'SPACE
INDUSTRY DEBRIS MITIGATION RECOMMENDATIONS'

Abstract

The proliferation of satellite launches in recent years has raised concerns regarding the escalating problem of orbital debris. Recently, the World Economic Forum (WEF) has introduced a new set of guidelines aimed at reducing the creation of orbital debris and has garnered support from several satellite operators.

This research paper explores the rationale behind these guidelines, examines their potential impact on satellite operations, and discusses the importance of international cooperation in implementing them. Through a comprehensive analysis of industry practices, regulatory frameworks, and technological advancements, this research also assesses the perspectives shaping the satellite operators' decisions to support or withhold support from this WEF initiative.

Furthermore, it evaluates the effectiveness of the WEF guidelines as a collaborative solution to combat the orbital debris problem and offers recommendations for enhancing its effectiveness to safeguard the long-term space sustainability.