The Threat of the Unmanned Aerial System (UAS)

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Abstract: Commercial UAS use has become a problem for defense agencies within the United States. While commercial UAS have provided a plethora of beneficial services to society there are unintended repercussions due to the advancements of technology. Specifically, emerging technology pertaining to certain components within UAS has increased the threat level to the nation as a whole and decreased the predictability of domestic terrorism. Identification of the value measures that contribute to threat level helps to advise defense agencies of what they can expect from future UAS capabilities. The research team utilizes value model analysis, including measures derived from recent patents in order to conclude that threat level is increasing over time and will continue to increase in the future unless addressed.