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AY 2018-2019 PROSPECTIVE RESEARCH TOPIC NOMINATION

CLASSIFICATION	UNCLASSIFIED
RESEARCH TOPIC TITLE	C-UAS Categorization/Classification
TOPIC DESCRIPTION	Improve categorization of UAS to better inform C-UAS tactics, techniques, and procedures (TTPs) as well as technology development.
DATE SUBMITTED	June 2018
EXTENDED TOPIC DESCRIPTION	Currently, a common taxonomy does not exist in the interagency to categorize UAS. DOD groups UAS into 5 groups based on size/weight/velocity and altitude. The FAA groups UAS into 3 groups based primarily on weight. Neither of these categorizations adequately inform C-UAS TTPs and technology development. UAS should be categorized in a way that inform the C-UAS discussion. For example, the ability to detect various size UAS is not easily understood based on current groupings which creates confusion when trying to determine agency responsibilities.
DESIRED OBJECTIVES OF THE RESEARCH	Adding RCS/Detectability to the taxonomy in some fashion would aid in the ability to define roles/responsibilities based on that taxonomy/grouping.
REQUESTING/SPONSORING ORGANIZATION	NORAD J33
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DESIRED RESEARCH COMPLETION DATE:	Spring 2019
AVAILABLE FUNDING, IF ANY	None
COMMENTS	A common taxonomy between different U.S. Government Agencies does not exist and has been requested for years. This taxonomy must allow for accurate and informed discussions around C-UAS.

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