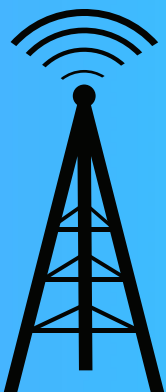
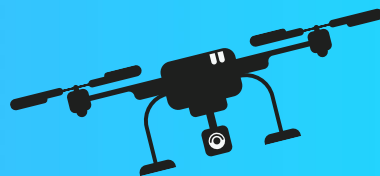
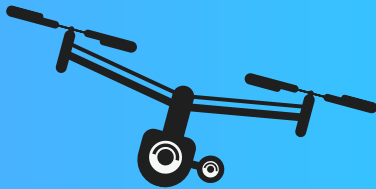
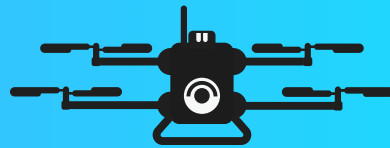


Use of Cellular Communications to Support Unmanned Aerial Vehicle (UAV) Flight Operations



Abstract

This report addresses the use of cellular communications to address Unmanned Aerial Vehicle (UAV) flight operations in the areas of:

- The Command and Control (C2) interface
- UAV Traffic Management (UTM)
- Remote UAV Identification (ID)
- Detect and Avoid (DAA)

This report reviews existing work that may be relevant to defining requirements and solutions for use of cellular networks in these areas. The report considers requirements that may apply to the North American region. Further, high-level architectural options to support the integration of UAV systems and cellular systems are offered to address the identified requirements.

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ATIS-I-0000074

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