**Abstract Submission**

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**ABSTRACT:**

In view of the current navigation security in slow response speed, high cost, the meteorological conditions and operation ability is limited. In this paper, three kinds of unmanned aerial vehicle model of the three major navigation AIDS to navigation, surveying and mapping, communication security business based on the application of the test, The application space of UAV in the field of navigation support and the method, process and effect of carrying out the navigation support are deep studied, explore the technical advantages of UAV in this field, put forward the complementary advantages of using unmanned aerial vehicle and traditional way, to build more efficient navigation security system.