

Interactive Presentations (IP)
Topic 12 - Interactive Presentations (12)

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UAS: INTERNATIONAL COLLABORATION ON MAKING THE RULES FOR UNMANNED AERIAL
SYSTEM (DRONES) SCIENCE IN SPACE

Abstract

Not since the creation of the IACO-International Civil Aviation Organization has there been a need for a greater collaboration of countries in the handling of unmanned aerial vehicles. The FAA-Federal Aviation Administration, EASA-European Aviation Safety Agency and FATA - The Federal Air Transport Agency have been tasked with quickly establishing national and international propose rules for operations of drones in today's air space system, now in Space. This type of operation has evolved almost overnight at a much greater growth then typical aircraft flight operations. One of the most subtle impacts of drone operations has been seen on international news with a drone operating around the Eiffel Tower and landing on Americas White House's lawn. The legal consequences of these actions will require a whole new perspective, different from current maritime or aviation laws in order for any country or government to fully understand the judicial decisions that will impact the rules for these violations, with consideration of establishing a new set of rules for Space operations.

This abstract will present a base line by which either a country or government can start the rules for proposal for drone operations above their airspace, into Space operations. This will be a comparative study and investigation of the current rules established by EASA, FAA, FATA. This study investigates how current rules could be modified and or adjusted to include this type of operations with minimal impact of current laws or regulations.

The expected results will show that with greater collaboration between countries and or governments in defining these rules or laws, that drone violations can be handled quickly and cooperatively between each countries judicial system. The significance impact of this will be one of many studies that will begin the establishment of the critical importance of the rules or laws needed for unmanned system science operations in a Space community.

Because of this new frontier in aeronautics/aviation/space of drone operations, further research will be required to continued greater complex judicial decisions on property rights, contracts laws, international treaties, airspace laws or regulations between countries and governments around the world as the results of the growth of this unmanned systems sciences (drone) into Space operations.