



City of San Diego UAS Integration Pilot Program

Integration Pilot Program

The City of San Diego was selected by the U.S. Department of Transportation to conduct testing as part of the Unmanned Aircraft Systems (UAS) Integration Pilot Program (IPP). During the three-year program, the City of San Diego will be working with several public and private sector partners to test the feasibility of advanced UAS operations, including unmanned traffic management, night operations, flight over people, and flight beyond the visual line of sight.

Operations and Missions

With an international airport, multiple municipal airports, U.S. Navy airspace, U.S. Marine Corps airspace, and the U.S. Coast Guard, San Diego is one of the most complex airspaces in the nation. San Diego's role as a national leader in technology, coupled with complex airspace and weather that allows for year-round testing, makes our region the ideal place for UAS testing.

Testing will include two categories of concepts of operation (ConOps).

- **ConOps 1: International Transportation and Safety.** The City of San Diego seeks to facilitate a competitive economy and safe community through the efficient use of public services with advanced technology. Missions include:
 - **International Commerce:** San Diego will use various technologies for unmanned traffic management to determine the feasibility of conducting cross-border commerce via UAS.
 - **Public Safety:** UAS will be used to assist first responders by providing near-real time video feeds in response to priority emergency calls. First responders will then be able to determine if additional resources are needed to respond, resulting in increased efficiency.
- **ConOps 2: Package Delivery.** The developing UAS industry can be used to expedite parcel delivery, which could result in reduced shipping costs, more efficient healthcare specimen processing, and increase food options citywide. Missions include:
 - **Food Delivery:** San Diego will test the feasibility of transporting food and beverages, utilizing technology to advance unmanned traffic management, as well as detect and avoid technology.
 - **Medical Specimen Transport:** Teaming with UCSD Health, San Diego will test the feasibility of transporting specimens to a lab in order to support the healthcare provider's ability to quickly diagnose and treat patients.

Additional Information

Airspaces for operations include area along the Tijuana-San Diego border, Sorrento Valley and UC San Diego, Mission Valley, Pacific Beach and Mission Bay, and Downtown San Diego. There is no increase in personnel costs to the City for this testing, and all partners are providing their own personnel and technology. For more information on the UAS IPP, please visit: www.sandiego.gov/uas



The City of San Diego thanks the following companies and organizations for partnering with the San Diego UAS Integration Pilot Program:



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