



TRANSPORTATION RESEARCH BOARD

TRB Snap Search: UAS / UAV (Unmanned Aerial Systems / Unmanned Aerial Vehicles)

TRB's involvement in research on UAS / UAV from 2016-2019

The [Transportation Research Board \(TRB\)](#) provides innovative, research-based solutions to improve how we move. TRB is part of the National Academies of Sciences, Engineering, and Medicine, an independent, non-profit institution that provides objective advice on scientific, engineering, and medical issues.

A resource to the nation and to the transportation community worldwide, TRB provides an extensive portfolio of services:

- Opportunities for information exchange on current transportation research and practice
- Management of cooperative research and other research programs
- Analyses of national transportation policy issues and guidance on federal and other research programs
- Publications and access to research information from around the world

TRB Research

TRID – The world's largest and most comprehensive bibliographic source on all modes and disciplines of transportation

- Click here to view [search results](#) on TRB published research on UAS / UAV within the past three years.

Specialty Report

- [Critical Issues in Transportation 2018](#)

Recent Reports & Publications

- [Airport Cooperative Research Program \(ACRP\)](#)
 - [Legal Research Digest 32](#) - Evolving Law on Airport Implications by Unmanned Aerial Systems
 - [Report 144](#) - Unmanned Aircraft Systems (UAS) at Airports: A Primer
- [IDEA Safety Program](#)
 - [Project 26](#) - Remote Sensing with Mobile LiDAR and Imaging Sensors for Railroad Bridge Inspections
 - [Report 32](#) - Railroad Bridge Inspections for Maintenance and Replacement Prioritization Using Unmanned Aerial Vehicles (UAVs) with Laser Scanning Capabilities
- [Transportation Research E-Circulars](#)
 - [E-Circular 208](#) - Transformational Technologies in Transportation: State of the Activities
- [Transportation Research Record: Journal of the Transportation Research Board](#)
 - [Volume 2626](#) - Aviation
 - [Volume 2600](#) - Public-Sector Aviation: Graduate Research Award Papers 2016

Current & Upcoming Projects

- [Current Projects](#)
 - [ACRP 03-42](#) - Airports and UAS
 - [ACRP Synthesis 11-03/Topic S10-15](#) - Evaluating Airport Performance with the Integration of UAS
 - [NCHRP Synthesis 20-05/Topic 49-02](#) - Emerging Technologies for Construction Delivery
 - [Transit IDEA J-04/IDEA 90](#) - sUAS-Based GeoINTEL for Commuter Rail Parking in Rural and Suburban Areas
- [Upcoming Projects](#)
 - [ACRP 03-50](#) - An Airport-Centric Study of the Urban Air Mobility Market
 - [NCHRP 20-102\(04\)](#) - Evaluation Guidance for Automated Vehicle Pilot and Demonstration Projects
 - [NCHRP 20-113](#) - Research Roadmap -- Transformational Technologies (other than CV/AV)

Reports from the [National Academies Press](#) on UAS / UAV

- [Assessing the Risks of Integrating Unmanned Aircraft Systems \(UAS\) into the National Airspace System](#)
- [Autonomy on Land and Sea and in the Air and Space](#)
- [Counter-Unmanned Aircraft System \(CUAS\) Capability for Battalion-and-Below Operations](#)

- [In-Time Aviation Safety Management](#)
- [Human-Automation Interaction Considerations for Unmanned Aerial System Integration into the National Airspace System](#)

Committees & Panels

[Sign-up to be a committee "Friend"](#)

TRB Standing Committees – Search by transportation mode and committee topic

- [ABI00](#) - Data and Information Systems
- [ABI50](#) - Information Systems and Technology
- [ABI70](#) - Artificial Intelligence and Advanced Computing Applications
- [AV000](#) - Aviation Group
- [AV020](#) - Aviation System Planning
- [B0164](#) - Update of National Naval Responsibility for Naval Engineering

Task Forces - Search for *task force* under committee here

CRP Panels

- [DA0330](#) - Impact of Commercial Unmanned Aerial Vehicles on Airports
- [DA0333](#) - NExtGen-Airport Planning
- [DA0342](#) - Integrating UAS into Airports

Councils

- [A0040T](#) – Young Member Council

Recent and Upcoming Events

[Upcoming Conferences](#) - Left hand menu “upcoming conferences by topic”
(*Conferences cosponsored by TRB are denoted with an asterisk.*)

[International Conference on Demand Responsive and Innovative Transportation Services](#)

April 15-17, 2019

Baltimore, Maryland

[First International Conference on 3D Printing and Transportation](#)

November 20-21, 2019

Washington, DC

[Webinars](#) – View upcoming webinars, suggest a webinar or add registration information

[Past Webinars](#)

- [Unmanned Aerial Systems at Airports](#) - November 5, 2018
- [Unmanned Aircraft Systems at Airports](#) - July 13, 2016

TRB’s Transportation Research Information Services (TRIS)

TRIS includes the [TRB Library](#) and the [TRIS Databases](#) (listed below) which are available free on TRB’s website.

The TRB Library provides information services to TRB staff, sponsors, TRB Committee members and panels and researchers. Access to the TRB Library is a benefit to TRB sponsors and TRB committee members.

In cooperation with your State DOT Library or Information Service, the TRB Library provides:

- Reference and research assistance
- Literature searches
- Articles for TRB Committee work

The TRB Library provides training on effective and efficient use of the following TRIS resources:

TRID – The world’s largest and most comprehensive bibliographic source on all modes and disciplines of transportation - trid.trb.org

Practice Ready Papers (PRP) Database - Papers with information that is ready for immediate implementation or requires minimal additional research or implementation effort - prp.trb.org

Publications Index (PubsIndex) Database – The papers, articles and reports published by the Transportation Research Board, Highway Research Board, Strategic Highway Research Programs or the Marine Board - pubsindex.trb.org

Research in Progress (RiP) Database – Current or recently completed transportation research projects - rip.trb.org

Research Needs Statements (RNS) – Research needs as identified by TRB Technical Activities standing committees - rns.trb.org

Contact the Library at TRBLibrary@nas.edu or 1 (202) 334-2989