AAM Prepared Definitions

Advanced Air Mobility (AAM). An air transportation system primarily utilizing electric aircraft, including eVTOL and eCTOL aircraft to carry passengers, cargo, or provide services in an urban or regional setting, with a gross takeoff weight of 300 lbs. or more.

Air Taxi. An aircraft operating under an air taxi operating certificate for the purpose of carrying passengers, mail, or cargo for revenue in accordance with FAR 121 or FAR Part 135.

Combined Charging Standard (CCS): A widely accepted global charging standard for electric vehicles (EVs) that supports most electric aviation and electric ground vehicles.

Controlled Airspace. Airspace of defined dimensions within which ATC service is provided to IFR and VFR flights in accordance with the airspace classification. Controlled airspace is a generic term that covers Class A, Class B, Class C, Class D, and Class E Airspace.

Controlling dimension (D). The diameter of the smallest circle enclosing the VTOL aircraft projection on a horizontal plane, while the aircraft is in the takeoff or landing configuration, with rotors/propellers turning, if applicable.

Design VTOL aircraft. The design vertical take-off and landing (VTOL) aircraft is the largest electric, hydrogen, or hybrid VTOL aircraft that is expected to operate at a vertiport. This design VTOL aircraft is used to size the TLOF, FATO, and Safety Area.

eVTOL. Electric vertical take-off and landing (aircraft)

eCTOL. Electric conventional take-off and landing (aircraft)

Helipad. A small, designated area, usually with prepared surface, on a heliport, airport, landing/takeoff area, apron/ramp, or movement area used for takeoff, landing, or parking of helicopters. A Helipad may also be used for electric.hydrogen, and hybrid VTOL aircraft.

Heliport. An area of land, water, or structure used or intended to be used for the landing and takeoff of helicopters. A Heliport may also be used for electric, hydrogen, and hybrid VTOL aircraft.

OEMs. Original Equipment Manufacturers.

Powered-Lift Aircraft. A heavier-than-air aircraft capable of vertical takeoff, vertical landing, and low speed flight that depends principally on engine-driven lift devices or engine thrust for lift during these flight regimes and on nonrotating airfoil(s) for lift during horizontal flight.

Regional Air Mobility (RAM). An air transportation primarily utilizing eCTOL and eVTOL aircraft to carry passengers, cargo, or provide services in a regional setting.

Urban Air Mobility (UAM). An air transportation primarily utilizing eCTOL and eVTOL aircraft to carry passengers, cargo, or provide services in an urban setting.

Vertiport. An area of land, or a structure, used or intended to be used for electric, hydrogen, and hybrid VTOL aircraft takeoffs and landings and includes associated buildings and facilities.

Vertistop. A vertistop is a term generally used to describe a minimally developed vertiport for boarding and discharging passengers and cargo (i.e., no fueling, defueling, maintenance, repairs, or storage of aircraft, etc.).

VTOL. Vertical take-off and landing (aircraft)

