Research on AAM Operations around Airports

The Electronic Navigation Research Institute (ENRI) primarily conducts research on air traffic management (ATM) and communication, navigation, and surveillance (CNS) systems for conventional manned civil aircraft operating under instrument flight rules (IFR). While initial advanced air mobility (AAM) operations are expected to take place at low altitudes under visual flight rules (VFR), one promising use case for AAM is airport air taxi services. Such operations would require AAM aircraft to share airspace around airports with conventional aircraft, creating a need to establish safe and efficient mixed operations. To address this challenge, ENRI is investigating the operational requirements and technical challenges associated with integrating AAM into existing airport operations, with the goal of enabling the safe coexistence of AAM and conventional aviation.

