

CAAS PARTNERS MITRE TO ESTABLISH SINGAPORE'S FIRST AIR TRAFFIC MANAGEMENT RESEARCH AND DEVELOPMENT CENTRE



MAPS will contribute towards developing ATM capabilities and solutions to meet the needs of Singapore and the region.

With air traffic projected to triple by 2030, the development of air traffic management (ATM) capabilities and solutions is a priority in the aviation industry today. To meet the needs of Singapore and the region, Civil Aviation Authority of Singapore (CAAS) recently signed a Statement of Intent with the MITRE Corporation (MITRE) to set up the MITRE Asia Pacific in Singapore (MAPS). This partnership between CAAS and MITRE will significantly contribute to the development of Singapore's Centre of Excellence for Air Traffic Management (ATM).

MAPS is expected to perform ATM research and analysis worth over US\$100 million in the next 10 years. Plans include the development of ATM capabilities and solutions to improve airspace capacity and operation safety, and the promotion of regional ATM modernisation and harmonisation.

Yap Ong Heng, Director-General of CAAS said, “We are confident that MAPS will contribute to developing ATM solutions for Singapore and the Asia Pacific region as well as advancing ATM capabilities that will bring exponential value to the wider global aviation community.”

MAPS is MITRE’s first aviation research and development centre outside the United States. It aims to serve as an aviation partner and resource to the Asia Pacific region, as well as foster and conduct integrated ATM research and development activities in a facility that enables concept demonstration, experimentation, modelling, simulation and analyses. The state-of-the-art MAPS facility will be modelled after MITRE’s Integration Demonstration and Experimentation for Aeronautics (IDEA) Laboratory, which includes scalable simulation and visualisation capabilities. Similar to MITRE’s collaboration with its other partners, this laboratory will be tailored to support unique local and regional aviation needs and will enable a technology transfer programme.

A recognised leader in providing advanced ATM capabilities, MITRE, a non-profit organisation, has over 50 years of experience in advanced research and development for the US Federal Aviation Administration (FAA) and global civil authorities. At the signing ceremony held on 13 February, MITRE’s Senior Vice President, Lillian Ryals, noted, “By signing this Statement of Intent, we are reaffirming our commitment to partnering with CAAS in supporting its Centre of Excellence for Air Traffic Management initiative and serve as a resource to support the tremendous growth in the Asia Pacific region.”