

# Joint efforts by ISRO, AAI and DGCA to aid in certification of India's GAGAN programme

*Implementation will make civil aviation in India safer*

Taking a step forward to implement the GAGAN programme, the Civil Aviation Ministry has handed over more than 150 documents/artefacts to the aviation regulator for certification. The development of documents has been the collective effort of ISRO, AAI and DGCA for the past four years and is a milestone for Certification process of GAGAN.

The AAI's pioneering efforts towards GAGAN's implementation is the first step towards introduction of modern communication, navigation, surveillance/Air Traffic Management system over Indian airspace. GPS-aided geo-augmented navigation or GPS and geo-augmented navigation system (GAGAN) is a planned implementation of a regional satellite-based augmentation system (SBAS) by the Indian government. The system will help in modernisation of communication, navigation, surveillance/Air Traffic Management system over Indian airspace.



K.N. Srivastava, Secretary, MoCA, handing over GAGAN Certification documents to Arun Mishra, DGCA in the presence of V.P. Agrawal, Chairman, AAI, V. Somasundaram, Member (ANS), AAI (Right).

GAGAN is planned to be operational by 2014 and will help pilots to navigate the Indian airspace by an accuracy of 3 m. This will be helpful for landing aircraft in tough weather and terrain like Mangalore and Leh airports.

Once implemented, GAGAN will be the fourth operational SBAS in the world leading Indian

aviation into the era of GNSS.

The DGCA will now certify the programme after reviewing more than 150 documents prepared for GAGAN, from the stage of its initial conception to the stage of operational testing and evaluation, before it is implemented.