

**Guidelines for Airworthiness and Operational Approval for
ADS-B Avionics Equipage**

- a) The airworthiness compliance of the aircraft under the airframe OEM Type Certificate approval in the Airplane Flight Manual, in an AFM supplement or other appropriate airworthiness documentation is normally accepted by the State of Registry. If the aircraft does not have an existing certification, compliance with Appendix XI of CASA CAO 20.18 specified requirements needs to be established;
http://www.casa.gov.au/wcmswr/_assets/main/download/orders/cao20/2018.pdf
- b) The continuing airworthiness of ADS-B system must be assured. As part of the operational approval process, existing established maintenance practices or a proposed maintenance programme for the aircraft needs to be reviewed to ensure that it meets relevant requirements. This is typically a demonstration that ADS-B is included as part of the normal maintenance process in the documentation provided;
- c) The Minimum Equipment List needs to reflect the functional requirements of the ADS-B system;
- d) Appropriate flight operations training programme and operational procedures are established to ensure that pilots are knowledgeable about ADS-B operations and their onboard operational equipment. This is typically a demonstration that ADS-B is included in the training process and operational documentation including Flight Dispatch considerations;
- e) When the airworthiness, continuing airworthiness and operational requirements are met, the State of Registry will issue an operational approval to the operator in accordance with their normal procedures. Common methods include Ops Specs revision, Instrument of Authorisation or Letter of Approval;
- f) When so required, the approval is registered with the relevant Regional Approval Monitoring Agency to be identified. With an operational approval from the State of Registry, an operator should be accepted to conduct operations in foreign States.
- g) If a State Regulator does not have the ability to carry out the operational approval as described above, it is recommended that they seek technical assistance from a State Regulator that has the capability to provide the support.
