BRIEFING SHEET UNITED KINGDOM 043/2025		
	Date of Publication	23 June 2025
Plane Finder	Notes	
Langstone Gate, Solent Road	(a) All times are UTC.(b) References are to the UK AIP.(c) Information, where applicable,	
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support@planefinder.net	should also be used to amend appropriate charts.	
TRAFFIC INFORMATION SERVICE – BROADCAST (TIS-B) RESEARCH TRIAL 01 JUL – 31 JUL 2025		

Traffic Information Service – Broadcast (TIS-B) research trial

 A Traffic Information Service – Broadcast (TIS-B) research trial is being conducted in the vicinity of Chichester/Goodwood Aerodrome (EGHR) to evaluate the benefit of enhanced visibility of non ADS-B, Mode S or FLARM aircraft for pilots using Electronic Conspicuity (EC) devices.

Electronic Conspicuity - Limitations

- 2. Mode S only aircraft are not normally visible to portable EC devices due to lack of transmitted GPS data. Additionally, some EC devices receiving on 978MHz cannot receive FLARM and TIS-B concurrently.
- 3. A large proportion of general aviation aircraft in Class G airspace are non ADS-B equipped.

TIS-B Explained

- 4. TIS-B allows ground receivers to track Mode S and FLARM targets and broadcast their positions on 978 MHz (UAT) to compatible airborne receivers.
- 5. Targets become visible to aircraft with appropriate receivers and displays even if those targets do not broadcast their own GPS based positions.
- 6. Some EC devices receiving on 978MHz cannot receive FLARM and TIS-B concurrently, therefore it is necessary to re-transmit FLARM via TIS-B in order to facilitate the reception of Mode S and FLARM.
- 7. This trial focuses on Mode S and FLARM re-transmission only.
- 8. FLARM re-transmission is based on reception of FLARM at a small number of ground-based receivers in the TIS-B network (i.e. FLARM coverage via TIS-B re-transmission will not be identical to air-to-air FLARM coverage).

Trial Details

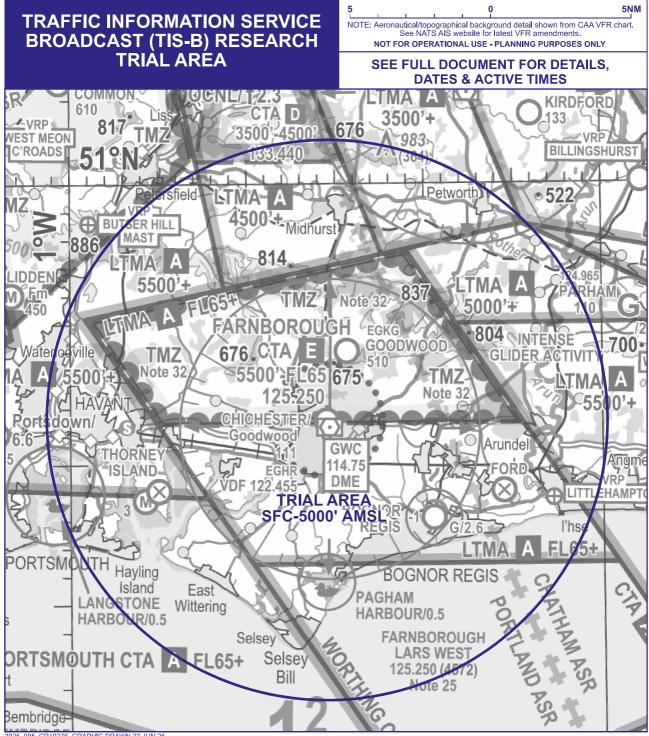
- 9. This trial will take place between 01 July and 31 July 2025.
- 10. The volume of airspace covered by the trial will be within a 10 NM radius of Chichester/Goodwood Aerodrome EGHR (505134N 0004533W), up to up to 5000 FT AMSL.
- 11. Trial activation will be notified by NOTAM.

Reception & Compatibility

- 12. TIS-B transmission will be compatible with devices supporting 978 MHz / UAT reception, for example, suitably configured uAvionix SkyEcho 2.
- 13. For information on compatibility with SkyDemon and ForeFlight equipped devices, additional information may be found on the dedicated TIS-B trail website https://www.tis-b-research.co.uk/

User Engagement

- 14. Pilots are encouraged to participate in the online feedback survey.
- 15. For updates on the trial and further information please email: contact@tis-b-research.co.uk



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