

AVIDYNE

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**IFD5XX | IFD4XX SERIES
NAVIGATORS**

TIS-B Indication with Traffic Targets Present





This Information is for reference only

For Approved Data Please Refer to The Associated Installation Manual; Pilot Guide or Flight Manual Supplement found on the Avidyne Dealer Site.

<https://dealers.avidyne.com/index.asp>

For Additional Information Contact:

Phone: 1888-723-7592

Email: techsupport@avidyne.com

Considerations

- This information is assuming that your IFD Navigator, ADS-B Out Transponder and ADS-B In Receivers are all configured correctly and wired according to their Installation Documents the following data can explain some reasons why this message is displayed.
- This could show the message shown on ground and in air.

What does it Mean?

"No TIS-B"	Indicates the ground is not providing TIS-B or ADS-R services to your aircraft. The primary causes of this are: you are not in range of a ground station, OR, your aircraft is not providing qualifying ADS-B Out information, OR, your ADS-B In device is not configured for the correct tail number. If you never get TIS-B service while in a known service area, it likely means there is a misconfiguration of your ADS-B Out or ADS-B In device.
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TIS-B Indication



EXCEEDANCES | ADVISORIES **CYAN**

Short Text	Long Text	Comments
ADS-R/TIS-B Unavailable	Traffic Information Incomplete	Displayed when either not in view of an ADS-B ground station for at least 40 seconds, OR, an ADS-B ground station is in view and is specifically reporting that your ADS-B Out signal is non-compliant. The advisory may be normal when descending out of coverage.

NOTE: You may receive the above mentioned advisory in conjunction with the TIS-B Icon.

TIS-B Indication On Ground



- The TIS-B Indication is shown on the ground primarily due to the Ground Station not receiving your ADS-B Out information.
- While the ADS-B In Device is receiving traffic information, the data package transmitted by the ground station does not include your tail number and ICAO Code.
- This discrepancy is manifested on the IFD as a TIS-B Flag with targets present.

TIS-B Indication In Air



TIS-B Indication In Air



ADS-B IN

ADS-B OUT

- When the aircraft is transmitting and receiving ADS-B Information to the same Ground Station, the data of your aircraft is included and thus the TIS-B Flag does not populate.



TIS-B Indication In Air

- As your aircraft is progressing through the coverage areas. There may be times during transition when you are broadcasting ADS-B information to the Station you are flying towards while still receiving ADS-B Traffic and Weather from the Station you are flying away from.
- This **may** cause the ground station that you are receiving from to not be the same one you are transmitting to.
- With your Tail Number and ICAO Code missing, the TIS-B Icon populates.



A photograph of a pilot in a cockpit, wearing a headset, looking out at a sunset sky. The cockpit instruments and controls are visible. A large green curved shape is on the right side of the image.

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For pilots who know the difference

Thank You