

Advisory Wire

REFERENCE NO:	AW700-46-0853	INFORMATION TYPE:	Maintenance
ATA:	46-35	EFFECTIVITY:	Global 7500
SUBJECT:	AHMS – 3G Network Sunset		

1. REFERENCES:

- 1.1. Service Bulletin 700-46-7505 - Aircraft Health Management System (AHMS) - Replacement of The Wireless Data Network Unit (WDNU) To Support 4G LTE Network
- 1.2. Aircraft Maintenance Publication (AMP) - BD700AJ46350104AAA752AA - AHMS bulk transfer using Wi-Fi override
- 1.3. AMP - BD700AJ46350105AAA752AA - AHMS Single Session Download to PMAT

2. INTRODUCTION:

This Advisory Wire (AW) is to inform operators of the impacts of the 3G cellular network sunset on Global 7500 aircraft Aircraft Health Management System (AHMS) Smart Link Plus service.

3. DESCRIPTION:

It has been reported recently that cellular carriers will begin shutting down their 3G networks in order to free up wireless spectrum. AT&T, the service provider used by GE Aviation for the provision of the AHMS cellular connectivity, have announced that the sunset of their United States 3G network will occur on February 22, 2022. Other 3G networks outside of the United States used by the Global 7500 will likely also be sunset in the future, however the service providers have not yet released their sunset schedules.

The Global 7500 Aircraft Health Management System (AHMS) consists of an Aircraft Health Management Unit (AHMU), a Wireless Data Network Unit (WDNU) and an Antenna. The WDNU is the communication device for the system and provides worldwide 3G connectivity which enables cellular data transfer for the Smart Link Plus service. In order to maintain cellular data transfer capability, the AHMS WDNU needs to be upgraded to a 4G/3G LTE capable unit.

The upgrade can be accomplished using the Bombardier Optional Service Bulletin (SB) 700-46-7505 (Ref. 1.1) and is applicable only to Smart Link Plus Connected Aircraft subscribers. Refer to the SB (Ref. 1.1) for labour and part policy details.

The upgraded WDNU is baseline starting on aircraft 70125.

Advisory Wire

Notwithstanding the 3G cellular sunset, the AHMS system will continue to be able to transfer data:

- 1- When aircraft is in an area with 3G network outside the U.S.
- 2- Via the pre-programmed WIFIs.
- 3- Via other WIFIs using AMP procedure reference 1.2.
- 4- Via the PMAT and sent to Bombardier using AMP procedure reference 1.3.

4. ACTION:

Operators should be familiar with the condition described in this AW. Bombardier encourages Smart Link Plus Connected Aircraft subscribers to schedule their WDNUSB (Ref. 1.1) upgrade at the earliest opportunity to maintain uninterrupted cellular data transfers. Please contact your Regional Manager (RM), Field Service Representative (FSR) or Customer Service Representative (CSR) to schedule your aircraft as there is a limited part availability.

Should you have any queries pertaining to this AW or require additional information, please contact your Bombardier FSR or the Customer Response Center (CRC).