AEROSPACE DATA EXCHANGE PROGRAM TRANSMITTAL

PROBLEM ADVISORY

CAES

1. TITLE MIL-STD-1553 RESIDUAL VOLTAGE DEPENDENCIES ON TRANSFORMER SELECTION WHEN INTERFACING TO CAES TRANSCEIVERS	**2. DOCUMENT NUMBER** SPO-2015-PA-0001A **3. DATE *(Year, Month, Date)*** Amendment A: 2015, December, 11
4. MANUFACTURER NAME AND ADDRESS CAES 4350 CENTENNIAL BOULEVARD COLORADO SPRINGS, COLORADO 80907-3486	**5. MANUFACTURER POINT OF CONTACT NAME** Tim Meade **6. MANUFACTURER POINT OF CONTACT TELEPHONE** 719-594-8048 **7. MANUFACTURER POINT OF CONTACT EMAIL** Tim.l.meade@cobhamaes.com

8. CAGE CODE	9. LDC START	10. LDC END	11. PRODUCT IDENTIFICATION CODE	12. BASE PART
65342	ALL	ALL	JB01-05; BA02; MM016-27	UT63Mxxx; UT69151xxxx
13. BLANK			**14. SMD NUMBER** See Sheet 3	**15. DEVICE TYPE DESIGNATOR** See Sheet 3
			16. RHA LEVELS ALL	**17. QML LEVEL** ALL
			18. NON QML LEVEL ALL	**19. BLANK**

20. PROBLEM DESCRIPTION / DISCUSSION / EFFECT

This AMENDMENT has been issued to include supplemental information.
Sheet 1 summarizes the supplemental information being added to previously published information.
Sheets 2 and 3 contain the original Problem Advisory text.
Sheets 4 onward are replaced with the latest revision of the comprehensive vendor supplied Product Advisory.

This Amendment is complete.

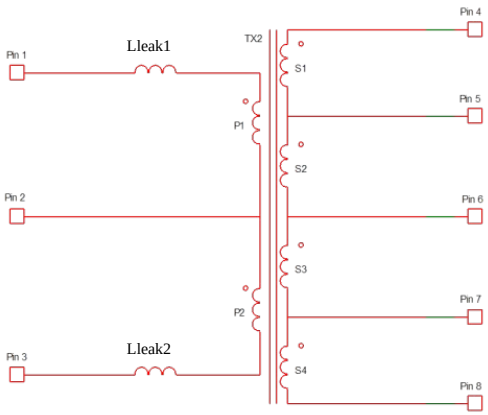
21. ACTION TAKEN / PLANNED

(1) Add Beta Transformer Technology Corporation – BTTC –(http://bttc-beta.com) as a recommended supplier of compatible transformers with Cobham's MIL-STD-1553 transcievers.
(2) Append a compatibility summary for BTTC transformers to CAES transceivers to CAES comprehensive residual voltage Product Advisory.
(3) Propose an acceptable leakage inductance limit for compatibility with CAES transceivers.

CAES proposes: -20% < Relative % differential leakage inductance < +20%

$EQ1. \quad Relative\ \%\Delta\ Lleak = \frac{Lleak1-Lleak2}{Lleak1+Lleak2} * 100\ ;$

where Lleak1and Lleak2 are the leakage inductances on pin 1 and pin 3 of the transformer, respectively.



22. DISPOSITIONARY RECOMMENDATION:	CHECK & USE AS IS ☐	CONTACT MANUFACTURER ☐	REMOVE & REPLACE ☐	CORRECT & USE AS SPECIFIED ☒

23. ADEPT REPRESENTATIVE	24. SIGNATURE	25. DATE
Lin-Chi Huang		**11 December, 2015**