

TENDER SPECIFICATION FOR 'MOD 17 INSTALLATION' IN FLIGHT MANAGEMENT SYSTEM (UNS-1Ew FMS), 07 IN NO - BN MPA

1. Item's Identification.

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|----|----------------------------------|-----------------------------------------|
| a. | Applicable Aircraft Model | : Dornier 228-212NG |
| b. | Name of the System | : Flight Management System |
| c. | Name of the Item | : FMS Control Display Unit |
| d. | Type/ Model | : UNS-1Ew |
| e. | Part No | : 3017-32-221 |
| f. | Serial No | : 352, 593, 994, 1581, 2660, 2661, 3409 |
| g. | Reference of Mod 17 Installation | : GA-ATS SB-228-343 dated 28 Mar 2022 |

2. Reason for Mod 17 Installation. According to the General Atomics Aerotec Systems (GA-ATS) Service Bulletin SB-228-343, 'Mod 17 installation' in the Flight Management System (FMS) need to be performed and they recommend to perform the SB before 31 May 2025. It is to mention that, the SB needs to be performed on 07 (seven) in no FMS units in 04 (four) different phases.

3. Quantity. 07 (Seven) in no (in 04 phases).

4. Technical Specification.

a. The Mod versions of the FMS units in the flight line are as follows:

Ser	Name of the Item	Part No	Serial No	Mod
1.	FMS Control Display Unit	3017-32-221	994	1-9
2.			1581	1-13
3.			3409	1-4, 9, 12-13, 15
4.			352	1-9
5.			2660	1-13
6.			2661	1-13
7.			593	1-9

- b. Nominal Voltage : 27.5 DC
- c. Weight : 3.68 KG (8.11lbs.)
- d. Size (L x B x H) : Approx (10 Inch x 6 Inch x 6.5 Inch)
- e. Software/ Software Controlled Number (SCN) : The FMS units contain a Software Version/ SCN 1100.7 which is compatible with the aircraft systems. Mentionable that, "No software upgradation" work is to be carried out during performing the SB.

5. Details of Manufacturer.

- | | | |
|----|----------------------|--------------------------------------------------------------------------------------------------|
| a. | Country of Origin | : USA |
| b. | Manufacturer address | : UNIVERSAL AVIONICS SYSTEMS CORPORATION
3260 E UNIVERSAL WAY
85706-5032 TUCSON, PIMA, USA |

6. Source of Installation. Original Equipment Manufacturer (OEM).

7. Scope of Work.

a. 'Mod 17 installation' in the Flight Management System (FMS) units are to be conducted from OEM (Universal Avionics Systems Corporation).

b. The 'Mod 17 installation' of the FMS units are to be conducted in the following 04 (four) phases:

- (1) **Phases 1.** FMS S/N: 994 and S/N: 1581 (02 in no).
- (2) **Phases 2.** FMS S/N: 3409 and S/N: 352 (02 in no) (FMS units of 2nd phase will be sent for Mod 17 installation after receiving the FMS units of 1st phase).
- (3) **Phases 3.** FMS S/N: 2660 and S/N: 2661 (02 in no) (FMS units of 3rd phase will be sent for Mod 17 installation after receiving the FMS units of 2nd phase).
- (4) **Phases 4.** FMS S/N: 593 (01 in no) (FMS unit of 4th phase will be sent for Mod 17 installation after receiving the FMS units of 3rd phase).

c. 'Mod 17 installation' in the Flight Management System (FMS) units are to be conducted as per General Atomics Aerotec Systems (GA-ATS) Service Bulletin SB-228-343 (SB is attached).

d. During performing the SB no software upgradation work is to be carried out. The FMS units should remain at Software Version/ SCN 1100.7.

8. **Test, Trial and Acceptance.** Final acceptance of the items will be given by CINS after satisfactory test and trial in MPA Flt line.

9. **Warranty.**

a. Warranty is to be given for trouble free operation of items for a period of minimum 12 months after the installation in the aircraft by BN.

b. If any defect/ discrepancies arises within warranty period, then the respective item is to be repaired/ upgradated at free of cost including freight within 02 months from the date of notification of the same to the supplier.

c. Warranty period will be extended for the same amount of time in which the item will remain non-operational.

10. **Bidder's Identification and Qualification.**

a. Bidder Address (Full address, Contact no and E-mail address). To be mentioned.

b. Principal's Address (Contact no, Website and Email address). To be mentioned.

c. Principal's Qualification. OEM (Aircraft/ Equipment) or OEM (Equipment) authorized principal.

11. **Documents/Certification.**

a. The bidder is to provide an Authenticity Certificate from OEM (Aircraft/ Equipment) or OEM (Equipment) authorized principal with the quotation.

b. The bidder is to provide Authorized Release Certificate (ARC), SB Compliance Report and Test Sheet with the items.

c. The bidder is to provide a certificate of Warranty/ Guarantee with the offer.

12. **Handling of Item.**

a. Delivery Time : 60 days from the date of work order provided.

b. Date of Notification : The item must be received from NSSD, Dhaka within
(Only for local Supplier) 10 Days after reaching at NSSD shipping. For any delay, it will be included within delivery time.

c. Consignee : For the shipment of the unit, consignee should be as mentioned below:

Commanding Officer
Naval Stores Depot
New Mooring
Chattogram-4218

Or

Officer In-charge
Naval Sub Stores Depot, Dhaka
Naval Unit, Khilkhet
Namapara, Dhaka-1229

13. **Terms of Payment.**

a. Price : To be mentioned in Local Currency (BDT).

b. Applicable Tax/ VAT : Local Tax/ VAT will be borne by supplier.

c. Supplier will bear all cost for importing/ transporting the item overseas.

d. After satisfactory test/trial and acceptance by BN, 100% payment will be made in local currency as per the existing rule.

14. Bidding Conditions.

- a. Offer Validity : The offer should remain valid up to 180 days.
- b. Compliance Statement : A compliance statement fulfilling all the requirement of the tender is to be submitted for evaluation of the quotation. An incomplete compliance statement may attribute to the cancellation of the offer. If any clause of this specification does not commensurate with offer, the deviation has to be clearly mentioned.



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