ENGINEERING CHANGE PROPOSAL (ECP), PAGE 1

1. DATE (YYMMDD): 05-03-08

Form Approved OMB No. 0704-0188

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2. PROCURING ACTIVITY NO.

3. DODAAC

4. ORIGINATOR

a. TYPED NAME (First, Middle Initial, Last): *Charles R. Moore*

b. ADDRESS (Street, City, State, Zip Code): *General Dynamics - OTS, 8820 Rt 148, Marion, Il 62959*

5. CLASS OF ECP: II

6. JUST. CODE:

7. PRIORITY: *R*

8. ECP DESIGNATION

a. MODEL / TYPE: *20mm*

b. CAGE CODE: *14578*

c. SYSTEM DESIGNATION: *20mm PGU Family*

d. ECP NO.: *0001-E-0028*

e. TYPE: *F*

f. REV: R1

9. BASELINE AFFECTED: [ ] FUNCTIONAL [X] PRODUCT [ ] ALLOCATED

10. OTHER SYS./CONFIG. ITEMS AFFECTED: [ ] YES [X] NO

11. SPECIFICATIONS AFFECTED

	CAGE Code	Specification/Document No.	Rev.	SCN
a. SYSTEM				
b. DEVELOPMENT				
c. PRODUCT	30003	AS-6120	A	-1

12. DRAWINGS AFFECTED

CAGE Code	Number	Rev.	NOR
30003	1575AS601	D	-2

13. TITLE OF CHANGE

Add Projectile Nose Unscrew Torque as a Major Characteristic

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14. CONTRACT NO. AND LINE ITEM: DAAA09-00-C-0001

15. PROCURING CONTRACTING OFFICER

a. NAME (First, Middle Initial, Last): Christine Gerling-Cole

b. CODE: AMSFS-CCA-F

c. TELEPHONE NO.: (309) 782-1112

16. CONFIGURATION ITEM NOMENCLATURE

Cartridge, 20mm, PGU-28A/B Semi-Armor Piercing High Explosive Incendiary

17. IN PRODUCTION: [X] YES [ ] NO

18. ALL LOWER LEVEL ITEMS AFFECTED

a. NOMENCLATURE: *Projectile*

b. PART NO.: *1575AS601*

c. NSN: *Not Applicable*

19. DESCRIPTION OF CHANGE

To add projectile nose unscrew torque as a major (M103) to Table III of specification AS-6120 and to flag note 4 of the projectile drawing. R1

20. NEED FOR CHANGE

The Projectile drawing 1575AS601, Flag Note 4 requires the nose to withstand an unscrew (reverse) torque of 26 lb-in. This reverse torque characteristic is currently an unlisted (minor) characteristic. In the event that a nose does not meet the reverse torque requirement, this condition could have an adverse affect on the performance of the cartridge; therefore, the reverse torque should be listed as a major characteristic in the fabrication specification and on the projectile drawing.

21. PRODUCTION EFFECTIVITY BY SERIAL NUMBER: *Not Applicable*

22. EFFECT ON PRODUCTION DELIVERY SCHEDULE: *None*

23. RETROFIT

a. RECOMMENDED ITEM EFFECTIVITY: *Not Applicable*

b. SHIP / VEHICLE CLASS AFFECTED: *Not applicable*

c. ESTIMATED KIT DELIVERY SCHEDULE: *Not Applicable*

d. LOCATIONS OR SHIP / VEHICLE NUMBERS AFFECTED: *Not Applicable*

24. ESTIMATED COSTS / SAVINGS UNDER CONTRACT: *None*

25. ESTIMATED NET TOTAL COSTS / SAVINGS: *None*

26. SUBMITTING ACTIVITY

a. AUTHORIZED SIGNATURE: Dennis Diehl

b. TITLE: *Program Manager*

27. APPROVAL / DISAPPROVAL

a. CLASS I: [ ] APPROVAL RECOMMENDED [ ] DISAPPROVAL RECOMMENDED

b. CLASS II: [X] APPROVED [ ] DISAPPROVED

c. CLASS II: [ ] CONCUR IN CLASSIFICATION OF CHANGE [ ] DO NOT CONCUR IN CLASSIFICATION OF CHANGE

d. GOVERNMENT ACTIVITY: NAVSURFWARCENDIV CRANE (CODE 402)

e. SIGNATURE:

f. DATE SIGNED (YYMMDD):

g. APPROVAL: [X] APPROVED [ ] DISAPPROVED

h. GOVERNMENT ACTIVITY:

i. SIGNATURE: [signature]

j. DATE SIGNED (YYMMDD): 050418

DD Form 1692, APR 92

AS-87PC

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