


DISPOSITION FORM		SECURITY CLASSIFICATION (IF ANY)
File Number: NOCB-0120- 015	Subject: <b>Conduct of 1<sup>ST</sup> Quarter Test Firing of Naval Gun of PC118.</b>	
TO: <b>VCOM, PN</b>	FROM: <b>CNS</b>	DATE: _____ COMMENT NR: _____

LT CASTILLOTE PN /hsm-6401

 DNOC 05 Feb 2020  
N3 06 Feb 2020  
N4 06 Feb 2020  
N6 10 Feb 2020

**SUMMARY:**

1. References:

- CPF Radio Message Cite F3O-0120- 011.
- HPN SOP Nr 02 re Test Firing of Naval Guns dated 21 Jan 20

2. Per reference a, the Commander, Philippine Fleet (CPF) is requesting clearance for the conduct of 1<sup>st</sup> Quarter Test Firing of Naval Guns of BRP EMILIO LIWANAG (PC118) on dates and maritime areas indicated:

VESSEL	TYPE OF GUN	DATE	VICINITY	COORDINATES
BRP EMILIO LIWANAG (PC118)	40MM AA Gun	11-12 Mar 2020	Vic 18 NM SW off Balut Island, Davao Occidental	Pt. A - Lat 05° 24.000' N Long 124° 55.000' E  Pt. B- Lat 05° 24.000' N Long 125° 10.000' E  Pt. C- Lat 05° 08.000' N Long 125° 10.000' E  Pt. D- Lat 05° 08.000' N Long 124° 55.000' E

3. Per coordination made with CG8, PCG, the issuance and publication of Notice to All Mariners (NOTAM) requires seven (7) days prior to the scheduled test firing activity.

**RECOMMENDATIONS:**

4. VCOM, PN approval on the following:

- Request of CPF for the conduct of 1<sup>st</sup> Quarter Test Firing of Naval Gun of **PC118**.
- Authority for DNOC to release the radio message addressed to the Commandant, PCG for the issuance of NOTAM. **(Encl)**

**DELACRUZ**

PHILIPPINE NAVY  
HEADQUARTERS PHILIPPINE FLEET  
OUTGOING DISPATCH

CALL	SERIAL NR	PRECEDENCE	DATE/TIME	X'MTG INSTRNS
FM CPF		-P-	24(6)00 # JAN 20	
TO: FOIC PN(ATTN: N3/N6/N4/NOC)			DFTD BY: CAPT O E FAELDON PN(GSC)	
INFO: CWC/CNSSC/CNFEM/CNFW/CNFWM/ CJTFM/CNTF71/CNTF61/CNTG ZAMPELAN/ CLCF/CNLC/COs, NOD/PC118/PC390/ ACO, PC376/OIC, NMRD-EM(WEAPONS)			APPRVD BY: RADM GC J BACORDO AFP	
			RLSD BY: CDR K LARDE PN	

BT... CONFID X CITE F3O-0120- 011 X

- 1 REFS CLN A) CLCF RAD MSG CITE LCF6-0120-010 X  
B) CLCF RAD MSG CITE LCF6-0120-009 X  
C) CLCF RAD MSG CITE LCF6-0120-012 X

2. PER ABOVE REFS CMM FOLG VESSELS RQST AUTH SLANT CLEARANCE TO CONDT 1ST QTR TEST FIRING OF THEIR NAVAL GUNS ON DATES AND MARITIME AREAS INDICATED BELOW CLN

BOW NR	DATE/TIME	VICINITY	COORDINATES
PC118	11-12 MAR 2020	18 NM SW OFF BALUT ISL CMM DAVAO OCC	PT "A" LAT 05 DEGS 24.000 MINS N LONG 124 DEGS 55.000 MINS E PT "B" LAT 05 DEGS 24.000 MINS N LONG 125 DEGS 10.000 MINS E PT "C" LAT 05 DEGS 08.000 MINS N LONG 125 DEGS 10.000 MINS E PT "D" LAT 05 DEGS 08.000 MINS N LONG 124 DEGS 55.000 MINS E
PC376	18-20 FEB 2020	10.25 NM SW OFF GUNTAO ISL CMM PALAWAN	PT "A" LAT 11 DEG 05.490 MIN N LONG 119 DEG 04.121 MIN E PT "B" LAT 11 DEG 05.464 MIN N LONG 118 DEG 59.015 MIN E PT "C" LAT 11 DEG 00.365 MIN N LONG 118 DEG 59.041 MIN E PT "D" LAT 11 DEG 00.394 MIN N LONG 119 DEG 04.210 MIN E
PC390	24-26 FEB 2020	23.29 NM W OFF DULUNGUIN PT CMM SIOCON CMM ZAMBOANGA DEL NORTE	PT "A" LAT 07 DEGS 47.900 MINS N LONG 121 DEGS 45.000 MINS E PT "B" LAT 07 DEGS 41.700 MINS N LONG 121 DEGS 45.000 MINS E PT "C" LAT 07 DEGS 41.700 MINS N LONG 121 DEGS 38.900 MINS E PT "D" LAT 07 DEGS 47.900 MINS N LONG 121 DEGS 38.900 MINS E

3. LIKEWISE CMM RQST AVAIL SLANT ISSUANCE OF FOLG AMMOS TO BE USED ON THE SAID ACTIVITY CLN

VESSEL	TYPE OF GUN	NR OF BARREL	TOTAL RDS	DATE LAST TEST FIRING
PC118	40MM AA GUN	1	6	28-30 NOV 19
	CAL .50 HMG	6	180	
	CAL 7.62MM (M60) LMG	2	60	
PC376	CAL 7.62MM (M60) LMG	2	60	28-30 DEC 19
	CAL .50 HMG	4	120	
PC390	25MM GUN	1	20	SEP 19
	CAL 7.62MM (M60) LMG	2	60	
	CAL .50 HMG	4	120	

4 IF APPROVED CMM FURTHER RQST MAKE REP WITH PCG FOR THE ISSUANCE OF NOTICE TO AIRMEN AND MARINERS (NOTAM) ON THE DATES AND MARITIME AREAS INDICATED X

5. AFOREMENTIONED VESSELS ARE PRESENTLY DEPLOYED AT THE OPAREA AS INDICATED CLN

BOW NR	AO
PC118	NFEM
PC376	NFW
PC390	NFWM

6 FOR FAVORABLE CONSIDERATION ...BT

**RESTRICTED**

**PUNONGHIMPILAN HUKBONG DAGAT NG PILIPINAS**

(Headquarters Philippine Navy) SLC:JJAE:LBD:jabf-6416

Naval Station Jose Andrada

2335 Roxas Boulevard, Manila

ON6/OTNA

21 January 2020

**STANDING OPERATING PROCEDURE  
NUMBER 02**

**TEST FIRING OF NAVAL GUNS**

1. **REFERENCE:** HPN SOP Nr. 13 dated 19 August 2013, Subj: Test Firing of Naval Guns.

2. **PURPOSE:** This SOP prescribes the policies and procedures in the conduct of test firing of all naval guns.

3. **SCOPE:** This SOP applies to all PN ships and crafts, PMC units and to shore-based units maintaining naval guns.

4. **DEFINITION OF TERMS:** For the purpose of this SOP, the following terms are hereby defined:

a. **Naval Guns** –this term shall refer to all guns permanently mounted aboard PMC armored vehicles, PN ships and craft including Cal. 7.62MM, M60 Cal 30, LMG Cal 50 HMG and all shipboard guns of caliber above 20MM AA guns to include trailer-mounted naval guns and the anti- aircraft guns installed at PN shore-based units.

b. **Test Fire Allowance** –the authorized number of rounds for test firing each barrel of guns.

c. **Pre-firing Check** – a series of checks conducted to determine the preparedness of the gun, gunner and the ammunition prior firing.

d. **Notice to Mariners** – a notice issued to all craft transmitting the area designed for test firing to clear the said area during the conducted of the activity.

e. **Test Firing** – activity to be conducted to evaluate the reliability, safety and accuracy of naval guns.

**5. POLICIES:**

a. No test firing shall be conducted without the approval of following authority:

Type of Guns	Approving Authority
25 MM and below	Chief of Naval Staff

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DATE _____
<b>NOTED BY:</b>
_____

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SOP Nr 02 HPN dtd 21 Jan 20 conf'n:

Between 30MM to 76MM and 3"50	Vice Commander, PN
Rockets and missiles	Flag Officer In Command, PN

b. Test firing of rockets and missiles is subject upon approval of higher authority; for 30MM to 76MM and 3"50 guns shall be conducted twice a year as necessary; for guns below 30MM shall be conducted four times a year of after repair/overhaul of naval guns except when vessels is dry docked or on level 1 status.

c. Pre-firing check shall be conducted at least twice a month for 30mm gun and above and at least once a week for guns below 30mm.

d. Pre-firing check list shall be accomplished by the Chief Gunnersmate 24 hours prior the scheduled test firing. The check-off list must be signed by the Chief Gunnersmate and the Gunnery Officer or the Officer In Charge (OIC). In case the Chief Gunnersmate is not confident to accomplish the said check-off list, he will request assistance from any qualified gunnersmate in the area. In the absence of a qualified gunnersmate, request for the assistance of WSU weapons technicians is necessary.

e. An Operational and safety briefing prescribed in PNM3-2; Naval Gunnery HPN dated Jul 1978 shall be conducted before the actual test firing at/or within the vicinity of test fire area. Safety manual and procedures of specific guns shall be thoroughly discussed to all participants.

f. NCSC, NSSC personnel shall be present during the conduct of test firing of newly repaired/overhauled naval guns.

g. All the benefits that can be derived from the activity like the determination of the operational readiness of guns, evaluation of the state of training of personnel and material status of ammo shall be optimized.

h. Economy in the utilization of ammunition shall be observed per Annex A.

i. All members not covered by this policy will be decided by a Board led by N3 with N4, N6, SCC6, NCSC, F4, F6, MC4, and MC6.

**6. PROCEDURES:**

a. A unit that intends to conduct test firing shall request thru radio message the authority and availability of ammunition from approving authority (Attn: NOC/N4) via Type Commanders at least 15 days before the schedule activity. This shall be prepared using the format as specified in Annex B.

b. Approving Authority (Attn: NOC) issues approval thru radio message after the Notice to Mariners (NOTAM) from PCG has been published/approved. Likewise N4 will issue a Logistics Directive for the availability of ammunition.

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SOP Nr 02 HPN dtd 21 Jan 20 cont'n:

c. Prior the actual conduct of test firing, participants shall be briefed on the following:

- 1) Specific gun operator
- 2) Misfire procedure
- 3) Safety briefing

d. Pre-firing checks shall be conducted to ensure operational condition of all guns. The pre-firing check-off list must be signed by the Chief Gunnersmate and the Gunnery Officer or OIC.

e. After completion of the test firing check-off list, the Gunnery Officer or OIC must render report of completion of the pre-firing check-off list and readiness of the guns to his Commanding Officer.

f. Concerned unit shall concurrently determine the operational readiness of the guns and evaluate the state of training of personnel and material status of ammunition.

g. Maximum safety procedure/parameter shall be observed during the conduct of test firing on the approved date and location.

h. After the conduct of test firing ensure that post-firing procedure are conducted and all guns are properly cleaned and secured.

i. An After Activity report indicating the result of test firing and number of ammunition used shall be submitted to FOIC, PN (Attn: N3/N4/N6) and CNSSC. Misfire shall be reported including all the data about the guns and the lot number of ammunition used.

j. HPN and NSSC shall evaluate the test firing reports submitted by the participating unit.

**7. RESPONSIBILITY:**

**a. AC of NS for Operations, N3:**

1) Coordinate for the issuance of appropriate Notice to Mariners for the safe conduct of the test firing; and.

2) Monitor the results of test firing and use data in evaluating the readiness status of naval guns and ammunition.

**b. AC of NS for Logistics, N4:**

1) Program and ensure the availability of ammunition to support the conduct of test firing of naval guns.

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SOP Nr 02 HPN dtd 21 Jan 20 cont'n:

2) Identify and program materials/requirements needed for the conduct of Organized and Intermediate Level of Maintenance of naval guns; and

3) Monitor the results of test firing and use data in evaluating the status of ammunition.

**c. AC of NS for C4ISR Systems, N6:**

1) Ensure that naval guns are reliable, effective and operational;

2) Program emergency repair fund for naval guns to be determined by CNSSC in coordination with CPF; and

3) Monitor the results of test firing and use data in evaluating the status of naval guns.

**d. Commander, Philippine Fleet:**

1) Identify and submit ammunition requirements of PF vessels to N4 for programming in order to support the conduct of test firing of naval guns;

2) Identify and program the materials/requirements needed for the conduct of Organizational and Intermediate Level of Maintenance of naval guns to be included in the N4 program;

3) In coordination with CNSSC, ensure that Depot Level of Repair/Maintenance of all naval guns are integrated to DSRT Cycle of each vessels.

4) Ensure that all PF vessels are regularly conducting pre-firing check at least twice a month for 30mm gun and above and at least once a week for guns below 30mm in order to enhance the competency and skills of guns operators.

**e. Commandant, Philippine Marine Corps:**

1) Identify and submit ammunition requirements to N4 for programming in order to support the conduct of test firing of Cockerill guns;

2) Identify and program the materials/requirement needed for the conduct of Organizational and Intermediate Level of Maintenance of Cockerill guns to be included in the N4 program; and

3) Ensure that PMC units are regularly conducting pre-firing check at least twice a month for Cockerill gun in order to enhance the competency and skills of gun operator.

**f. Commander, Naval Sea System Command:**

1) Conduct gun INSERV to vessels schedule for DSRT Cycle to identify Depot Level of Repair/Maintenance requirement and submit recommendations to CPF;

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SOP Nr 02 HPN dtd 21 Jan 20 cont'n:

2) In coordination with CPF, identify fast moving items/parts of all naval guns as basis for the programming of N6 for emergency repair fund of naval guns

g. Commander of Unit Conducting the Test Firing:

1) Submit request to Approving Authority NLT 15 days before the test firing;

2) Coordinate with CNSSC for the availability of WSU personnel to conduct pre-firing check;

3) Ensure that the unit requesting for test fire is capable of conducting the activity and that all pre-firing, actual firing and post-firing procedure are observed;

4) Enforce maximum safety precautions at all times; and

5) Submit appropriate reports after the test firing.

8. RESCISSION: All Publications in conflict with SOP are hereby rescinded.

9. EFFECTIVITY: This SOP shall take effect upon publication.

BY COMMAND OF VICE ADMIRAL EMPEDRAD:

OFFICIAL:

  
STEPHEN MACABLANLET  
Lieutenant Colonel PN(M)(GSC)  
The Naval Adjutant

REY T DELA CRUZ  
Rear Admiral AFP  
Chief of Naval Staff

DISTRIBUTION:  
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Annex A - Test Fire Ammunition Allowance  
Annex B - Radio Message Request Format

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Annex A to SOP Nr 02 HPN dtd 21 Jan 20 cont'n:

TEST FIRE AMMUNITION ALLOWANCE

<u>PECULIAR</u>	<u>QTY/BARREL</u>
1. Rocket Launcher	6
2. Missile	
3. 76MM	10
a. Single shot 2 rds	
b. 40 rds/min 4 rds	
c. 80 rds/min 4 rds	
4. 3"50	6
5. 40MM	6
6. 30MM	20
7. 25MM	20
a. Single shot 5 rds	
b. 180 rds/min 15 rds	
8. 20MM	20
9. Cockerill	2
10. Cal .50 HMG	30

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Annex B to SOP Nr 02 HPN dtd 21 Jan 20 cont'n:

Radio Message Request Format

FM: TYPE COMMANDER  
TO: FOIC, PN  
(ATTN: NOC)  
INFO: MAJOR UNIT COMMANDER/UNIT

BT... CONFID

1. REQUEST AUTHORITY TO CONDUCT TEST FIRING
  2. 4X A YEAR/AFTER REPAIR
  3. TYPE AND NUMBER OF GUNS
    - a)
    - b)
  4. DTG: \_\_\_\_\_
  5. LOCATION: LAT/LONG AND THE NEAREST ISL
- ...BT

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**PHILIPPINE NAVY**  
o-O-o  
**OUTGOING DISPATCH**

CALL	SERIAL NR	PRECEDENCE OSCAR	DATE/TIME GRP 30 _____ H JAN 20	XMITTING INSTNS
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FM: FOIC, PN

DRFTD BY: LT CASTILLOTE PN

TO: CPCG (ATTN: CG8/PCGCC)

APPRVD BY: CDR MARCOS PN(GSC)

INFO: CEMC/CPF/CNSSC/CNFEM/CNTF71/  
CLCF/CNLC/CO PC118

RELSD BY: LT CASTILLOTE PN

BT...

CONFID CITE NOCB-0120-\_\_\_\_\_.

1. REFS: A. CPF RADIO MESSAGE CITES F3O-0120- 011.

B. HPN SOP NR 02 RE TEST FIRING OF NAVAL GUNS DATED 21 JAN 20.

2. PER REF A, THE PHILIPPINE NAVY VESSEL PC118 WILL CONDUCT 1ST QTR TEST FIRING OF \_\_\_\_\_ NAVAL GUNS ON DATE AND MARITIME AREAS INDICATED:

VESSEL	TYPE OF GUN	DATE	VICINITY	COORDINATES
BRP EMILIO LIWANAG (PC118)	40MM AA Gun	11-12 MAR 20	VIC 18 NM SW OFF BALUT ISLAND, DAVAO OCCIDENTAL	PT. A - LAT 05° 24.000' N LONG 124° 55.000' E
				PT. B- LAT 05° 24.000' N LONG 125° 10.000' E
				PT. C- LAT 05° 08.000' N LONG 125° 10.000' E
				PT. D- LAT 05° 08.000' N LONG 124° 55.000' E

3. ITCON, REQUEST ISSUANCE OF NOTICE TO MARINERS (NOTAM) ADVISING ALL SHIPS AND WATERCRAFTS TRANSITING THE ABOVEMENTIONED AREAS ON DATES INDICATED TO TAKE PRECAUTIONARY MEASURES.

4. FOR CONSIDERATION

BT