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FOR CWG

PRIORITY/PRIORITY 2 42359Z APR 82

FROM HMS INV INCIBLE
TO CTG 317.8
INFO CINCFLEET
ASWE FOR TSDOWN
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SIC 19F/IAE/LDC
OPERATION CORPORATE
ASWE FOR G2/SWTA/SXT/XWA
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- A. CINCFLEET 19F/IAE/LDC 230853Z APR 82 (EXOCET COUNTER MEASURER) 9
- B. CTG 317.8 19F 241509Z APR 82 (EXOCET COUNTER MEASURES)
- 1. WHILE ACCEPTING THAT THE CHAFF LAYING AND COURSE ALTERATION PROCEDURES LAYED DOWN IN REF A PARA 3 MAY IN THEORY PROVIDE THE MOST EFFECTIVE TA CTIC FOR THE EVALUATION OF AN EXOCET MISSILE CONSIDER THAT IN THE LIKELY CIRCUMSTANCES/WEATHER FACING THE TASK GROUP THAT THE THEORY HAS A NUMBER OF FLAWS.
- A. UNLESS CHAFF CAN BE FIRED BASED ON A SIGHTING OF AN AIR OR SK A LAUNCH OF EXOCET LIKELY DETECTION RANGING THE MISSILE ITSELF

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(REF A PARW12Z ALLOW SUFFICIENT TIME FOR CHAFF DELTA TO BE FIRED AND EFFECTIVELY BLOOM BEFORE HOME R SWITCHES/LOCKS ON (PARA 2C R EFRS)).

O. MAN OEUVERING TO PLACE MISSILE ON STBD QUARTER WILL ONLY GUARANTEE TARGET IN MISSILE LOWEST HEAD SEARCH ZONE (FAR RIGHT) IF ORIGINAL LAUNCH VEHICLES TI FOR BOTH RANGE AND BEARING WAS VERY ACCURATE. SLIGHT ERRORS IN TI COULD RESULT IN TARGET ENTERING HIGHEST SEARCH ZONE AFTER THIS MANOEUVRE.

C. SAME MANOEUVRE PAGES ALL BUT GLAMORGANS AREA DEFENCE GWS LAUNCH AND ALL OWN FORCES EXOCET SYSTEMS IN BLIND ARCS, THUS PREVENTING THEIR ENGAGEMENT OF MISSILE OR THE LAUNCH SHIP/AIRCRAFT (TO PREVENT FURTHER LAUNCHES)

D. LIKELY HIGH RELATIVE WIND SPEEDS WILL MAKE IT DIFFICULT IF NOT IMPOSSIBLE TO AVOID ONE OR MORE OF A FULL PATTERN OF SIX CHAFF DEW BLOOMS DRIFTING ACROSS THE LINE BETWEEN TARGET AND MISSILE AND THUS

RISKING MISSILE FLYING THROUGH BLOOM ON TO SHIP.

E. EXPECTED SHIP MOTION COULD CAUSE CHAFF DELTA TO BLOOM WELL IN EXCESS OF STANDARD HEIGHT AND THUS BE ABOVE EXOCET LOOIC ANGLE.

2. IN VIEW OF CONSIDERABLE ARGENTINE POTENTIAL TO LAUNCH EXOCET FROM BOTH A/C AND SHIPS THIS MUST ALWAYS BE EXPECTED IN ANY SURFACE

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 AIR ACTION. HOWEVER ALSO CONSIDER THAT POSTURE AND REACTIONS TO PROBABLE/POSSIBLE EXOCET LAUNCH SHOULD ALLOW OWN SHIP FLEXIBILITY TO COUNTER FURTHER LAUNCHES AND/OR OTHER TYPES OF A /N /OR SHIP ATTACK SHOULD BE MATERIALISED INSTEAD OF OR AS WELL AS EXOCET. THEREFORE, SUBJECT TO ANY SPECIAL CIRCUMSTANCE, CONSIDER STANDARD PROCEDURES SHOULD BE ADOPTED WHICH OPTIMISE BOTH OFFENSIVE/DEFENSIVE WEAPON CAPABILITIES AND DECOY/SEDUCATION/SELF PROTECTION FACILITIES. FOLLOWING RECOMMENDED:

1. FIRSTLY SEEK TO KEEP ALL WEAPON READY/WEAPON LAUNCHER READY ON ENEMY AIRCRAFT/SHIPS AND, IF POSSIBLE DESTROY BEFORE MISSILE LAUNCH.

2. IF MISSILE LAUNCH SEEN/SUSPECTED BEGIN TO TURN TOWARDS MISSED REDUCE RADAR ECHOING AREA (REA) BUT KEEPING STBD BOW TO MISSILE (IF LAUNCH VEHICLE HAD ACCURATE TARGETING PLACES TARGET IN THIRD LEAST LIKELY ACQUISITION ZONE-REFER A PARA 2. FOR QWS 25/30 SHIPS ALSO MAINTAINS WEAPON ARCS.

3. FIRE CHAFF FROM SELECTED BARRELS TO OPTIMISE MISSILE DECOY POSSIBILITIES BUT, BY CAREFUL ASSESSMENT OF PRESENT/FUTURE SHIPS COURSES AND RELATIVE WIND SPEEDS, TO AVOID CHAFF DRIFTING BETWEEN SHIP AND MISSILE. IF TIME ALLOWS CONTINUE TO FIRE CHAFF TO

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MAINTAIN THIS OPTIMUM PATTERN PRIOR TO HO MING HEAD SWITCH ON. (IF MISSILE LAUNCH SEEN BUT MISSILE SUBSEQUENTLY LOST AS IT DROPS TIME FIRE CHAFF DELTA TO BLOOM JUST BEFORE HOMER SWITCHES ON CAN BE CALCULATED IT IS APPROX 10 SECS BEFORE EXPECTED 992/1022 DETECTION

REFER A PARA 5).
 4. IF MISSILE CONTINUES TO CLOSE SHIP (DESPITE WEAPON ENCOURAGEMENT CHAFF POINT SHIP AT MISSILE TO REDUCE REA TO MIN. IN THE CASE OF INVINCIBLE AND OTHER HIGH BOW SHIPS THIS MAY ALSO SERVE TO DEFLATE MISSILE AND REDUCE DAMAGE IF IMPACT OCCURS.

5. INVINCIBLE ALSO PROPOSES TO USE UAA 1 TO DETECT EXOCET HOMER ACQUISITION AND IF HEARD/REL WIND SUITABLE CAUSE EXTENSION OF RADAR ECHO BY DISPENSING CHAFF HOTEL INTO FUNNEL GASSES IN AN ATTEMPT TO SEDUCE MISSILE AT SHIP. (HKK UJLRSSILE) ENCOURAGING.

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