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SECRET

1968 MAR 1 23 39Z

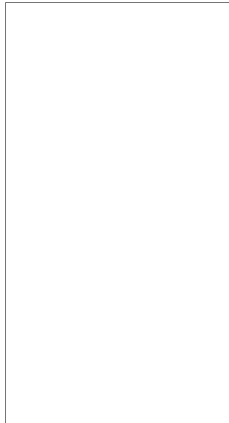
R 012234Z MAR 68
FM NPIC WASHDC
TO RUEDFIF/FTD WRIGHT PATTERSON AFB OHIO
RUEOBND/CG FORT HOLABIRD MD
RUEPVC/REDSTONE ARSENAL ALA(FOR MID HUNTSVILLE ALA)
BT

S E C R E T CITE NPIC 3157.
REDSTONE ARSENAL PASS MID HUNTSVILLE

FTD ATTN: [redacted] 25X1
MID ATTN: [redacted] 25X1
FORT HOLABIRD FOR USAIIC ATTN: [redacted] 25X1

1. IN RESPONSE TO A REQUEST, NPIC HAS COMPLETED A MENSURATION EXERCISES DESIGNED TO ILLUSTRATE THE VALIDITY OF THE METRICAL TRAP.
2. THIS EXERCISE CONSISTED OF A DETAILED MENSURAL ANALYSIS OF THE MOD I GUIDELINE MISSILE. THE MOD I MISSILE WAS CHOSEN SINCE VERY RELIABLE DIMENSIONS ARE AVAILABLE FOR CHECKING THE NPIC MEASUREMENTS. NPIC DID NOT HAVE KNOWLEDGE OF THESE DIMENSIONS.
3. REPRESENTATIVE MEASUREMENTS OF THE MOD I GUIDELINE DERIVED FROM THE METRICAL TRAP ARE:

1. OVERALL LENGTH OF MISSILE
2. OVERALL LENGTH OF SUSTAINER
3. OVERALL LENGTH OF BOOSTER
4. MAIN WING ROOT CHORD
5. BOOSTER FIN ROOT CHORD
6. MAIN WING SPAN
7. BOOSTER FIN SPAN
8. DIST. FROM TIP OF PITOT TO LEAD EDGE MAIN WING
9. DIST. FROM TIP OF PITOT TO INTERSECTION OF LEAD EDGE CONTROL FIN AND BODY:
 - A. TOP FIN
 - B. BOTTOM FIN
10. SUSTAINER DIAMETER
11. BOOSTER DIAMETER
4. ADDITIONAL INFORMATION CAN BE OBTAINED BY ADDRESSING



ATTN: [redacted]
GP-1

DISTRIBUTION		
Cy No.	Class	Action
1	Info	
2	Auto Rec.	
	7PGB	
	Security	
	TSSG	
	PSG	
34	STEG	✓
6	NPIC: IAS	
	DIAXX-4	25X1
	SPAD	25X1
	DIA-AP	

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END OF MESSAGE

SECRET

GROUP 1
Excluded from automatic
downgrading and
declassification