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NPIC/IEG (02/84)

10 FEBRUARY 1984

**INITIAL DEPLOYMENT OF THE SA-X-12 MISSILE SYSTEM  
ORENBURG SAM SUPPORT FACILITY/BKS AL-1, USSR (SWN)**

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1. SIGNIFICANCE: THE INITIAL DEPLOYMENT OF THE EMBA-03 SUBSYSTEM OF THE SA-X-12 SURFACE-TO-AIR MISSILE SYSTEM WAS OBSERVED AT ORENBURG SAM SUPPORT FACILITY/BKS AL-1 [REDACTED] (SWN)

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2. REMARKS: THREE EMBA-03 TRANSPORTER-ERECTOR-LAUNCHER AND RADAR (TELAR)/TRANSLOADERS AND THREE PROBABLE EMBA-03 TELAR/TRANSLOADER WERE INTERSPERSED WITH SA-4 EQUIPMENT NORMALLY SEEN IN THE MAIN VEHICLE STORAGE PARK. A REVIEW OF IMAGERY INDICATED THAT TWO EMBA-03 TELAR/TRANSLOADER WERE IN THE VEHICLE PARK [REDACTED]

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[REDACTED] NEITHER OF THE RADARS ASSOCIATED WITH THE SA-X-12 SYSTEM, THE GRILL PAN TARGET ENGAGEMENT RADAR AND THE BILL BOARD LONG RANGE ACQUISITION RADAR, WERE OBSERVED. EMBA-03 MISSILE CANISTERS WERE ALSO NOT OBSERVED. (SWN)

ORENBURG SAM SUPPORT FACILITY/BKS AL-1 AND THREE NEARBY FACILITIES IN ORENBURG, INCLUDING A SAM TRAINING SCHOOL, HOUSE A SA-4 BRIGADE SUBORDINATE TO THE VOLGA MILITARY DISTRICT. (SWN)

ANALYST'S COMMENTS -- THE EMBA-03 SUBSYSTEM OF THE SA-X-12 HAS BEEN UNDER DEVELOPMENT AT THE EMBA MISSILE TEST CENTER LAUNCH COMPLEX [REDACTED] 400 KM SOUTHEAST OF ORENBURG, SINCE AT LEAST 1975. THE SUBSYSTEM PROBABLY UNDERWENT INITIAL TROOP FAMILIARIZATION/TRAINING AND FINAL ACCEPTANCE TESTING AT EMBA DURING THE MARCH-SEPTEMBER 1983 TIMEFRAME. ORENBURG IS A LOGICAL LOCATION FOR THE FIRST DEPLOYMENT OF THE EMBA-03 SUBSYSTEM BECAUSE OF ITS PAST ASSOCIATION WITH NEW ARMY-LEVEL SAM SYSTEMS. THE SA-4 SAM SYSTEM, ALSO DEVELOPED AT EMBA, WAS FIRST DEPLOYED IN THE SOVIET UNION DURING 1967 AT ORENBURG SAM SUPPORT FACILITY/BKS AL-1. (SWN)

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THE SA-X-12 MISSILE SYSTEM CONSISTS OF TWO SUBSYSTEMS, THE EMBA-03 A HIGH PERFORMANCE MEDIUM-RANGE SAM SYSTEM WHICH IS A FOLLOW-ON TO THE SA-4, AND THE EMBA-04 A LONG RANGE SAM SYSTEM AND/OR ANTITACTICAL BALLISTIC MISSILE SYSTEM. THE EMBA-04 SUBSYSTEM IS STILL UNDERGOING TESTING AT EMBA AND IS NOT EXPECTED TO BE DEPLOYED UNTIL AT LEAST 1986. (SWN)

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3. [REDACTED] COORDINATES 51-46-23N 055-07-54E (S)

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