

~~Top Secret~~

(b)(1)

(b)(3)

TECHNICAL AND OPERATIONAL CHARACTERISTICS OF SOVIET BALLISTIC MISSILES

WI 77-10014J

April 1977

CENTRAL INTELLIGENCE AGENCY

DIRECTORATE OF INTELLIGENCE

OFFICE OF WEAPONS INTELLIGENCE

~~Top Secret~~

~~Top Secret~~

THE SS-X-20 IRBM

The SS-X-20 is a new land-mobile intermediate-range ballistic missile. It will enable the Soviets to replace the older SS-4 MRBM and SS-5 IRBM missiles. The SS-X-20 offers many advantages over the older MRBM/IRBMs in accuracy, flexibility and MIRV payload capability. It was probably designed to attack soft strategic targets and some hard targets on the periphery of the Soviet Union.

The SS-X-20 shares many components with the SS-X-16. It uses the SS-X-16 first and second stages, . It also uses the same ground support equipment.

Deployment of the SS-X-20 will probably begin in 1977.

[No photograph available]

C2a

~~Top Secret~~

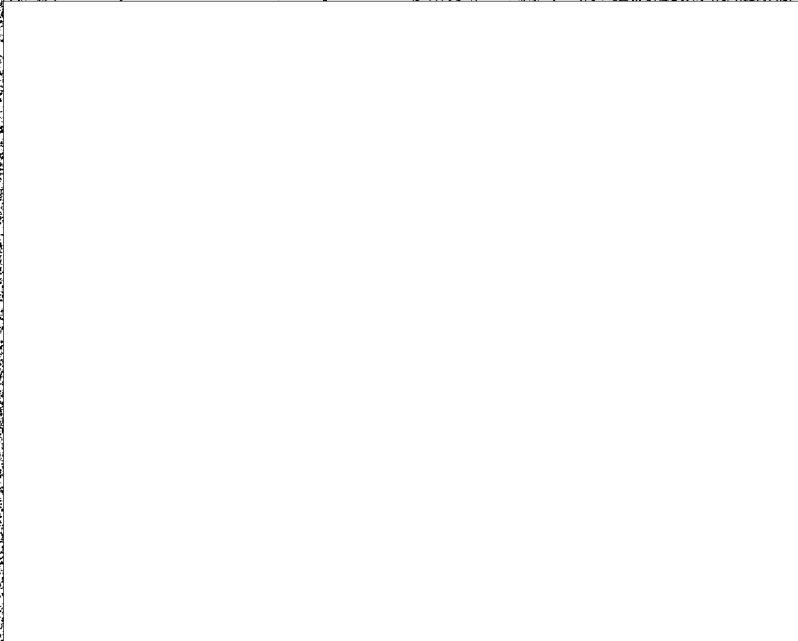
~~Top Secret~~

DIMENSIONS (m)

Length	15.5
1st-Stage Diameter	1.7
2d-Stage Diameter	1.4
PBV Diameter	1.4

LAUNCH VEHICLE WEIGHT (kg)

Liftoff	35,730
1st-Stage Structure	2,250
1st-Stage Propellants	23,310
2d-Stage Structure	990
2d-Stage Propellants	7,250
Ascent Shroud	90-180
PBV Structure and Propellants	795



PROPELLANTS

Solid

REENTRY VEHICLE

Weight (kg)

3 @ 320



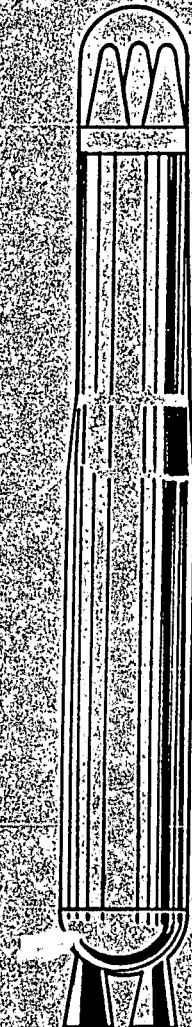
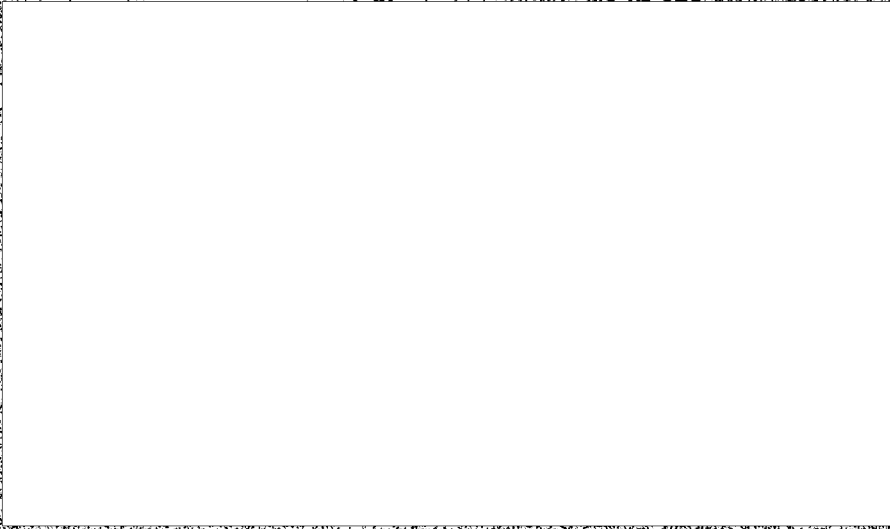
Technical Characteristics of the SS-X-20

C2b

~~Top Secret~~

~~Top Secret~~

IOC	1976
MAXIMUM OPERATIONAL RANGE (NRE, nm)	2,200
REENTRY VEHICLE WEIGHT (kg)	3 @ 320



Operational Characteristics of the SS-X-20

C2c

~~Top Secret~~

