

TOP SECRET

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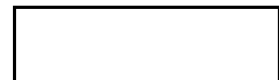


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PHOTOGRAPHIC INTERPRETATION MEMORANDUM



**SA-4 GANEF TACTICAL
MISSILE DEPLOYMENT
USSR**



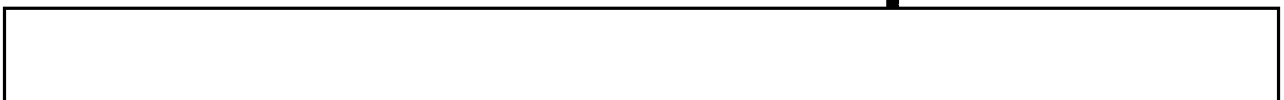
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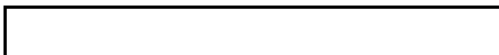


GROUP 1 EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

Declass Review by NIMA / DoD

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SA-4 GANEF TACTICAL MISSILE DEPLOYMENT, USSR



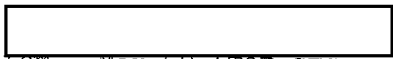
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The primary function of this mobile system is believed to be air defense of the tactical ground forces, but the missile possibly has a surface-to-surface capability also. The SA-4 GANEF missile was first observed at the Moscow May Day parade in 1964. The three basic components of the system are a tracked transporter-launcher which carries two missiles (Figure 1), a tracking-guidance radar, and a LONG TRACK acquisition radar. In some instances, the THIN SKIN height finder radar has also been seen with the system.*

The GANEF missile units are housed in military installations which have many features in common with those tactical SSM barracks occupied by Army SS-1 SCUD ballistic missile units. These features include security fencing and solid board walls, security buildings at access points, and additional internal security walls or fences in motor pool areas.

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*DIA.



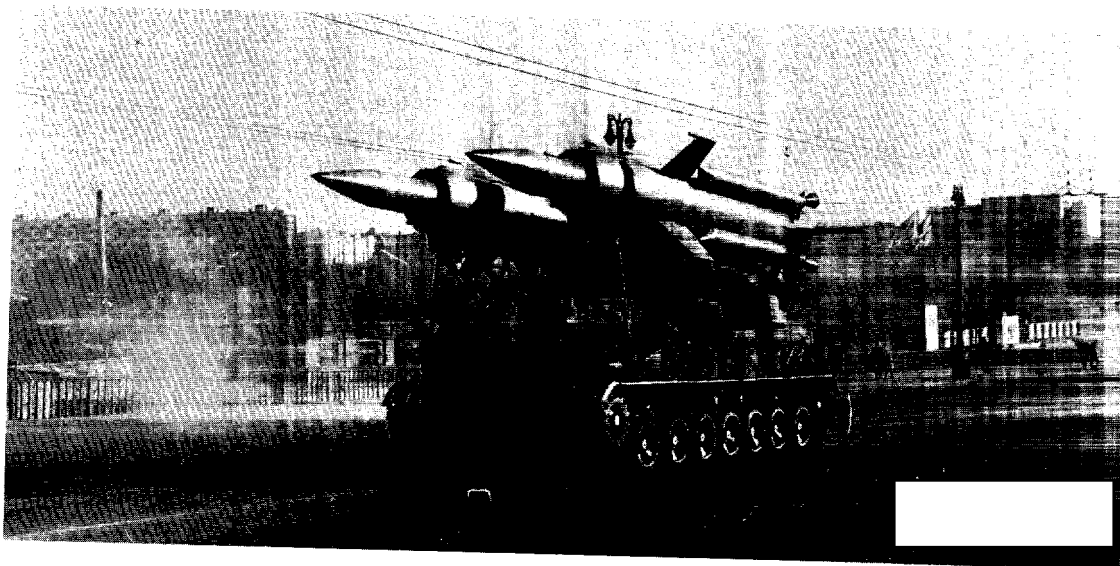
The Soviet SA-4 Surface-to-Air Missile

System, Mar 69 (TOP SECRET)



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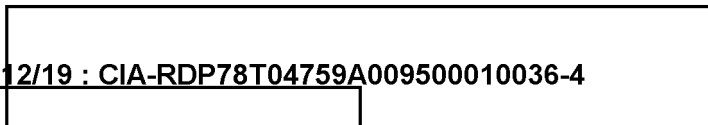
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FIGURE 1. SA-4 GANEF MISSILES ON A TRANSPORTER-LAUNCHER, MAY DAY PARADE, 1967

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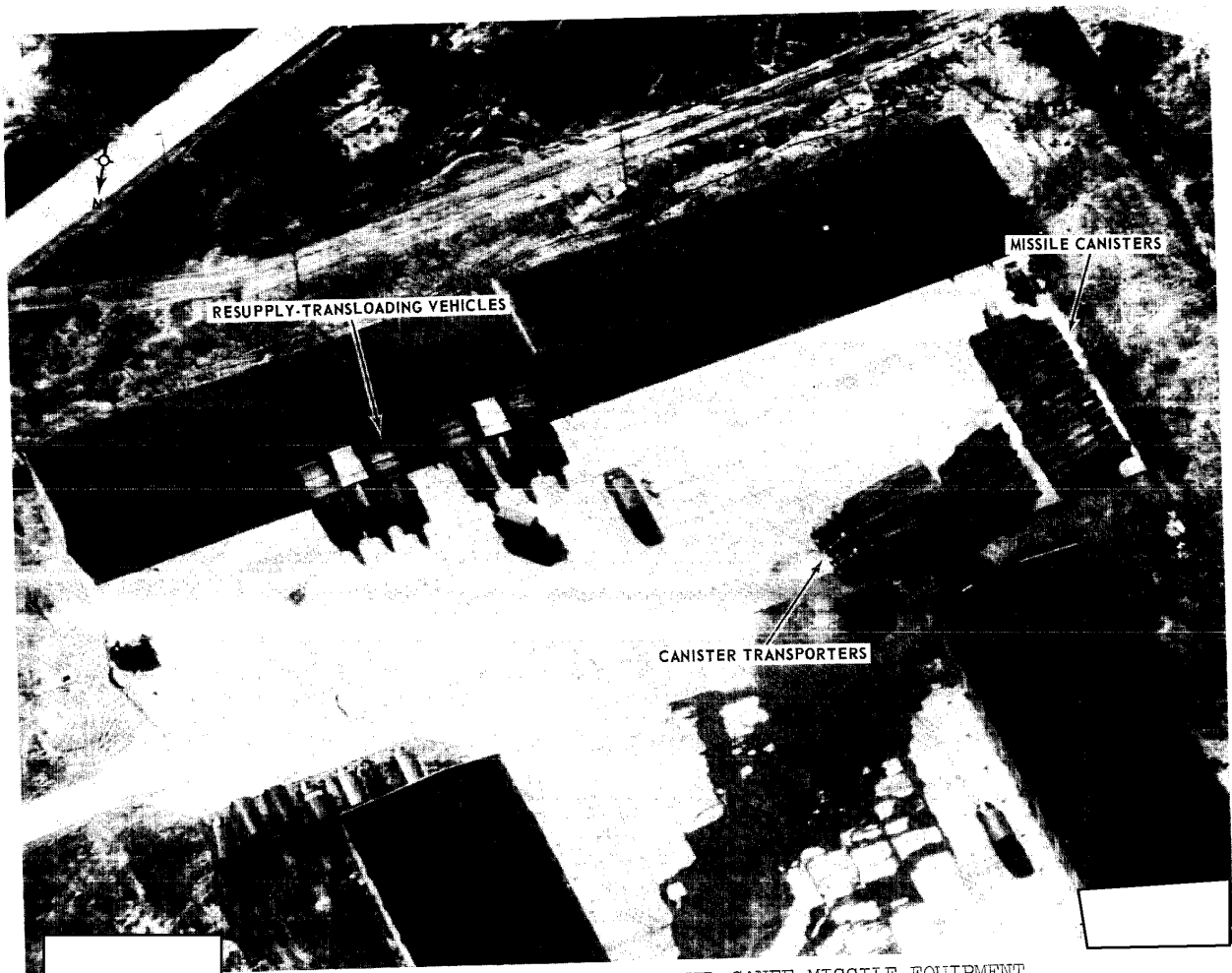
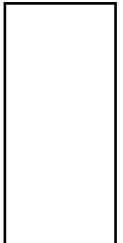
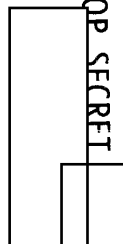


FIGURE 2. THE MOST FREQUENTLY OBSERVED GANEF MISSILE EQUIPMENT

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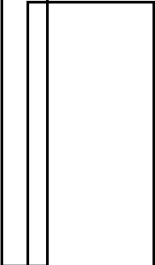


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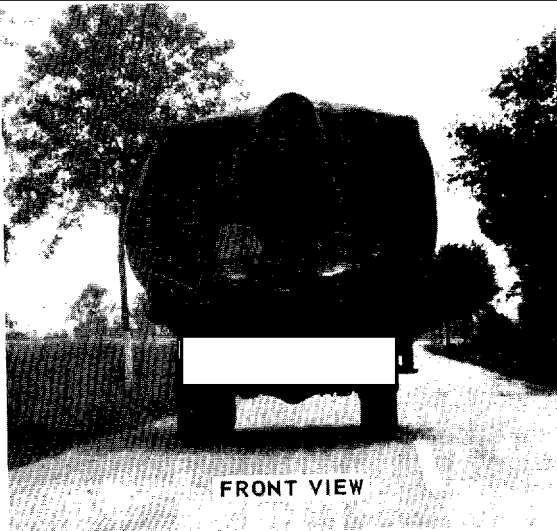
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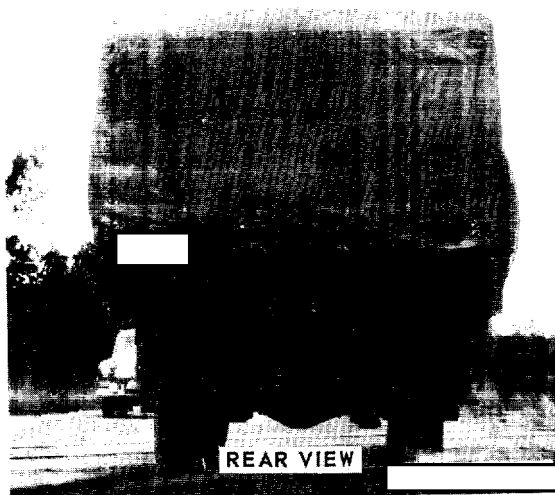
In addition to the three basic components, GANEF missile units include numerous support vehicles and pieces of equipment. The equipment most frequently observed in the open at GANEF missile installations, shown in Figure 2, consists of the GANEF missile sustainer canister with attached booster crate, a ZIL-157V truck tractor with a step-down flatbed semitrailer used to transport the missile shipping canister and crate, and a resupply-transloading vehicle.

The resupply-transloading vehicle, shown in Figure 3, is a URAL-375 truck chassis with large canvas-covered rear section and a narrow protrusion extending forward over the truck cab and hood. The vehicle has support jacks on each side. It has been observed carrying a single canvas-covered GANEF missile. The resupply-transloading vehicle probably serves to resupply the launcher in the field, provide a platform for final missile checkout, and transfer the missile to the launcher.

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FRONT VIEW



REAR VIEW

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FIGURE 3. THE GANEF RESUPPLY-TRANSLOADING VEHICLE

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