

**ITEM 19**  
**Other Rocket and UAV Systems**

## Other Rocket and UAV Systems

Complete rocket systems (including ballistic missile systems, space launch vehicles and sounding rockets) and unmanned air vehicles (including cruise missile systems, target drones and reconnaissance drones), not covered in Item 1, capable of a maximum range equal or superior to 300 km.

**Nature and Purpose:** This item covers missiles that can reach a range of at least 300 km, but only with payloads less than 500 kg. (Otherwise, the missiles would be controlled under Item 1.) Evaluations of missiles covered under this item must take into account the ability to trade payload for range. This inherent capability may differ significantly from manufacturers specifications or intended operational concept. The determination of an unmanned air vehicle's (UAV) inherent capability may be more complex than that for a ballistic missile. These systems are MTCR controlled because of their suitability for delivering chemical and biological weapons, which are not constrained to substantial minimal weights as nuclear weapons are by critical mass.



**Figure 19-1:** A jet-powered Category II unmanned air vehicle in front of its transporter erector launcher.

Rockets and UAVs captured under this Item are identical in most respects to, but smaller than, the missiles and UAVs described in Item 1. They operate in the same manner, have similar uses, look almost the same (except possibly for size), and are similarly packaged for shipment. Some representative Category II systems are shown in Figures 19-1, 19-2, and 19-3.

### Produced by companies in

- Australia
- Brazil
- Bulgaria
- China
- Czech Republic
- Egypt
- France
- Germany
- India
- Iran
- Iraq
- Israel
- Italy
- Japan
- Libya
- North Korea
- Pakistan
- Russia
- South Africa
- South Korea
- Spain
- United Kingdom
- United States



**Figure 19-2:**  
A typical unmanned air vehicle design normally used for reconnaissance missions.



**Figure 19-3:**  
A propeller-driven UAV launched from a rocket booster.