



Bloodhounds ready for launching during acceptance trials at Woomera

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EFFECTIVE DEFENCE

More advanced Bloodhound for defence of UK confirms particular suitability for European defence needs

Already in operational service with the RAF and adopted by non-NATO Sweden, Bloodhound Guided Weapon System is now to be further developed for the RAF.

This developed Bloodhound possesses substantially increased operating range and altitude, with advanced technique ensuring still greater lethality at these increased ranges and heights. Low altitude performance is further improved to counteract the threat of low-flying targets.

Development, rather than replacement, of Bloodhound offers the obvious economic and operational advantages inherent in making use of an existing system.

Proved in many hundreds of test firings; built by Europe's largest missile-manu-

facturing complex; and particularly suited to European defence needs, Bristol/Ferranti Bloodhound forms *the world's most effective defence system now and for many years to come.*

Security forbids publication of full details, but the following facts about Bloodhound can now be given:—

Power. The Bloodhound is powered by two Bristol Siddeley ramjets—jet engines with no moving parts. Ramjets ensure power and range flexibility, burn kerosene, are simple and safe to handle.

Homing System. Semi-active: i.e., ground crew directs radar beam on to target, which is reflected to a receiver in Bloodhound, ensures highest accuracy—regardless of

range. Missiles may be fired, singly or in salvos, using only one radar.

Airframe. Employs unique and advanced monoplane moving wing configuration—two advantages: quicker and more precise response, as well as greater accuracy of interception; superior at high altitudes. This configuration was selected at initial design stage to embody maximum development potential.

