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DEPARTMENT OF THE AIR FORCE
HEADQUARTERS UNITED STATES AIR FORCE
DIRECTORATE OF REQUIREMENTS

GOR NO. 80-1

DATE Sep 26, 1958

(S) AN ADDENDUM TO A
GOR FOR
A RECONNAISSANCE SATELLITE WEAPON SYSTEM.

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VII. OPERATIONAL PERFORMANCE.

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J. Visual Reconnaissance Subsystem

1. General

a. The visual subsystem must provide source material for the production of intelligence information (including technical intelligence), target materials, air navigation, and topographic maps, and weather data primarily in the form of cloud cover.

b. Development of the visual satellite will involve the progression from lesser to greater resolution as the state-of-the-art improves in satellite reconnaissance in order to realize an operational capability at the earliest date. (S)

c. This subsystem may require inflight processing, readout, storage and subsequent transmission of the collected data to the ground acquisition and tracking station. Sufficient storage capacity should be provided for data collected in orbits that are not within readout range of the acquisition and tracking station.

2. Operational Characteristics

(The performance characteristics outlined herein are "ultimates." In the interest of providing early availability, a general relaxation of these is acceptable.)

a. Resolution - Resolution of photographic/visual images of low contrast objects from 20 feet to 5 feet in length on a side is required for production of most intelligence information, air navigation and target materials. Resolution of photographic images of low contrast objects one foot on a side on the ground is required for the production of technical intelligence.

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