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

[REDACTED]
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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M. Mapping and Charting Sub-System

1. General

a. The photo mapping and charting sub-system must provide cartographic agencies with photo mapping coverage of the land mass areas of the world including those areas which are not presently accessible either for political or other reasons. The end product of this sub-system must result in maps and charts (or substitutes) of geodetic accuracy.

b. Photography produced by this sub-system must be of high quality with sufficient data recorded on the negative to facilitate reduction to usable form by cartographic agencies. The developing agency should consider the feasibility of utilizing a recoverable sub-system or at least the film cassette if necessary, to provide the required quality of photography.

2. Operational Characteristics

a. Complete coverage of all land mass areas throughout the world is required. Coverage of non-strategic areas of the world is required primarily for use as an aid in affecting geodetic ties.

b. A capability to command the sub-system is required.

c. Accuracy requirements: Identifiable points or objects on the photography must be located to within \pm 1000 feet of their true location in relation to the world geodetic grid.

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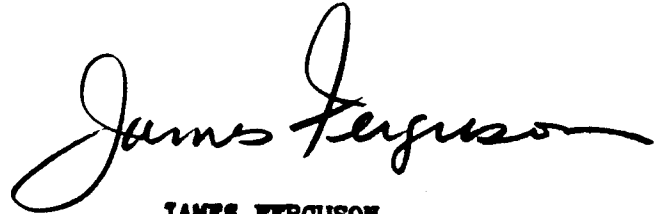
In Accordance with E. O. 12958

on NOV 26 1997

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d. The photographic equipment installed in this sub-system must be designed for this specific application. The camera must have the following characteristics:

- (1) Lens - Selection of the lens will represent the best balance between minimum lens distortion and maximum lens resolution.
- (2) Between the lens shutter.
- (3) Pulse type with single frame exposure for stereoscopic coverage operations.
- (4) Vertical reference indicator of maximum accuracy.



JAMES FERGUSON
Major General, USAF
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DCS, Development

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