

**MEMORANDUM OF AGREEMENT  
BETWEEN THE  
DEPUTY UNDER SECRETARY OF DEFENSE, SPACE  
AND THE  
U.S. GEOLOGICAL SURVEY  
U.S. DEPARTMENT OF THE INTERIOR  
FOR COOPERATION IN**

**WILDLAND FIRE DETECTION, VOLCANIC ACTIVITY MONITORING,  
AND VOLCANIC ASH CLOUD TRACKING**

**1. Background.**

The Office of the Deputy Under Secretary of Defense, Space, is leading an inter-agency effort to utilize designated civil and Department of Defense (DoD) systems in support of US wildland fire detection and reporting, worldwide volcano monitoring, and volcanic ash cloud detection and threat warning. These systems will augment existing capabilities. The program will begin implementation in Fiscal Year (FY) 1997. This program is consistent with the National Space Policy which requires the U.S. Government to identify products and services that can contribute to global-change research and environmental monitoring and seek to make technology, products and services available to civil agencies for such uses.

This Memorandum of Agreement (MOA) describes the responsibilities of the Office of the Deputy Under Secretary of Defense, Space, and the United States Geological Survey of the Department of the Interior in developing a multi-year program addressing these specific civil missions. This MOA does not supersede other directives or agreements pertaining to disaster reduction.

**2. Scope.**

The program supported by this MOA consists of the development and operation of a prototype capability, including:

- A fusion processing and reporting center located at the U.S. Geological Survey's Advanced Systems Center in Reston, Virginia.
- Software and hardware interfaces at various civil and DoD facilities.
- Communications linking all system elements.
- Operations and maintenance support.

### 3. Responsibilities:

The Deputy Under Secretary of Defense, Space, agrees to:

- Provide implementation funding in FY 97 as appropriated to the Department of Defense specifically for this project. The Department of Defense will not be responsible for the additional cost of upgrading the prototype system to a fully operational system, nor will it be responsible for the operation and maintenance costs of either the prototype or the operational system.
- Provide necessary mission data from existing and/or planned DoD systems, as appropriate on a not-to-interfere basis with the primary military mission of those DoD systems.
- Award contracts, as necessary, in support of this initiative.

The U.S. Geological Survey agrees to:

- Be Executive Agent for this program.
- Provide the U.S. Geological Survey's Advanced Systems Center facilities to host the fusion processing and reporting center.
- Be responsible for securing financial support from user agencies for all operations and maintenance (O&M) costs of the prototype system and follow-on operational system, beginning in FY 99.

The Deputy Under Secretary of Defense, Space, and the U.S. Geological Survey jointly agree to:

- Coordinate all Congressional and public release actions relating to this program.
- Resolve, before contract award or option execution, provisions for having Air Force data included as an option or as a switchable source. If Air Force data are not included, the program does not support the USGS mission and this agreement is null and void.

### 4. Termination:

This Memorandum shall be terminated if:

- The Parties fail to secure program funding.
- The provided capability does not satisfy user threshold requirements.
- The DoD determines that the system interferes with its primary military mission.

NOV-10-97 09:10 FROM:

Done at Washington, D.C.

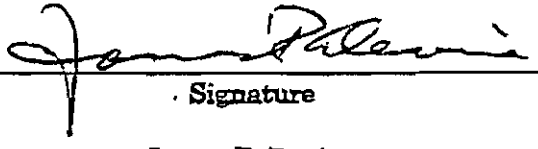
FOR THE:  
DEPUTY UNDER SECRETARY OF DEFENSE,  
SPACE

  
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Signature  
Gil I. Klinger 30 APR 97

Acting Deputy Under Secretary of Defense (Space)

APR 30 1997

FOR THE:  
U.S. GEOLOGICAL SURVEY  
DEPARTMENT OF THE INTERIOR

  
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Signature  
James F. Devine

Senior Advisor for Science Applications

11 April 1997