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Control No. [REDACTED]

Director of Central Intelligence



FY 1998-1999 Congressional Budget Justification

Volume IV



National Reconnaissance Program

February 1997

CL BY [REDACTED]
CL REASON: 1.5 (c)
DECL ON: X1
DRV FROM: NRO SCG 3.0
31 Aug 95

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Handle via [REDACTED] -TAVANT-KEY-COLE-CO-INT
Channels [REDACTED]

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(U) Ultra-Wideband Spacecraft Data Handling

(U) Timing, Frequency and Navigation

(U) The Timing, Frequency and Navigation (TFAN) program goal is to develop the technology necessary to provide a coherent reference frame for time and position. This common four-dimensional reference frame (x,y,z, and time) is a necessary step on the path to more effective fusion of data collected from space, air, and ground resources into integrated product(s). TFAN is a key technology which will enable the delivery of real-time geolocation and data fusion products directly to users. This will be achieved through a coordinated development program across the NRO and DARO that will include GPS utilization, time-based communication devices, reference emitters and cross link ranging/timing devices.

[REDACTED]

(U) Underground facilities pose difficult problems to national-level decision makers, the intelligence community, and military forces. These problems have been highlighted recently by our experience in the Persian Gulf War and by subsequent attempts to verify sanctions and treaties.

(U) Advanced Collection Sensors

[REDACTED]

[REDACTED]

(U) Detection of Weapons of Mass Destruction

(U) Synthetic Material Technology

[REDACTED]

[REDACTED]