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~~(S)~~ NATIONAL RECONNAISSANCE OFFICE

WASHINGTON, D.C.

OFFICE OF THE DIRECTOR

22 December 1986

MEMORANDUM FOR THE DIRECTOR OF CENTRAL INTELLIGENCE

SUBJECT: LORRI 2 SIGINT Payload Replacement

The Classified Annex to the FY 1987 Intelligence Authorizations Conference Report includes language directing that the DCI notify Congress of the configuration of the LORRI 2 SIGINT replacement payload which would be pursued with the \$15 million authorized and subsequently appropriated in FY 1987 for that purpose. Working with the rest of the Intelligence Community to establish priorities, we have identified three activities which will partially reconstitute the critical capabilities lost with LORRI 2 in the April 1986 Titan launch failure. These activities will be fully funded by the \$15 million in FY 1987.

a. GLORIA 1, a small spacecraft [redacted] will search the 30-38 GHz EHF Band.

25X1

[redacted]

c. Development of a small W-Band (90-98 GHz) search payload.

The first two activities produce complete payload elements ready for flight. The third activity involves developmental work which, if successful, would require outyear funding for flight hardware acquisition and launch. This outyear funding is contained in the Quick Response Capability Program which is a new initiative in the FY 1988 NFIP recommended program.

We plan to proceed with the first two activities and will reserve the FY 1987 funds for the third activity until availability of outyear funding is assured.

E. C. Aldridge, Jr.

1 Attachment  
Draft Congressional Notification Letter

NRO STAFF CHRON.

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**DRAFT**

Dear Mr. Chairman:

I am writing to notify you of our plan to recover from the loss of the LORRI 2 SIGINT collection platform in the April 1986 Titan launch failure. This collection platform was designed to provide critical intelligence on the Soviet's growing use of the Extra High Frequency (EHF) bands for radar and communications systems and to evaluate the Anti-Ballistic Missile (ABM)

25X1

[Redacted]

Congress has authorized and appropriated \$15 million in FY 1987 to partially reconstitute the critical capabilities lost with LORRI 2. The FY 1987 Intelligence Authorizations Conference Report directed me to notify Congress of our plans to use these funds. Consistent with this available funding and Intelligence Community priorities, three activities will be funded in FY 1987.

a. GLORIA 1, a small spacecraft [Redacted]

[Redacted]

capability, will search the 30-38 GHz EHF Band.

25X1

[Redacted]

c. Development of a small W-Band (90-98 GHz) search payload.

[Redacted]

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**DRAFT**

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**DRAFT**

The first two activities produce complete payload elements ready for flight. The third activity involves developmental work which, if successful, would require outyear funding for flight hardware acquisition and launch.

We plan to proceed with the first two activities and will reserve the FY 1987 funds for the third activity until availability of outyear funding is assured. We will apprise you of the outyear funding status as it becomes known.

Sincerely,

William J. Casey

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**DRAFT**