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NX I	OFFICE OF THE SECRETARY OF DEFENSE
	13 August 1980
	Memo ForDr. Dinneen
DECLASSIFIED IN FUI Authority: E0 13926 Chief, Recents & Dec Date: MAR 0 3 2	Gerry: Our Teal Ruby, etc., meeting with DARPA and the Air Force on 28 July 1980 left things hanging. You asked me for a summary of the various programs so that you could establish priorities for
d a l l	their future disposition. The attached paper outlines the programs.
st Defense 5 US (c. § 75 thority: EO 1352k iy in Fulk 72-6	S.L. Zeiberg Deputy Under Secretary Strategic & Space Systems
DD, ESD, WH5 3. MM72016 And 13. M. (1) 13. M. (1)	Attachment
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USAF EO 13526 1.4 (a),(c),(e) 3.3(b) (4),(5)	MR. LYNN/rp/13AUG80 OUSDR&E(DS)/57327 Director, DS Distribution: M&RS
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DECLASSIFIED IN PART Authority: EO 13526 Chief, Riecorde & Declase Div, WHS Date: MAR 0 3 2016

## Summary: IR Space Experiments

(5), There are five major IR space experiments planned or being considered by DoD. Three are, in significant part, intended as system feasibility demonstrations: Teal Ruby, Mini-HALO and, to a lesser extent, SIRE. The others (STMP, CIRRIS) are basically measurement efforts; this is a major goal of SIRE as well.

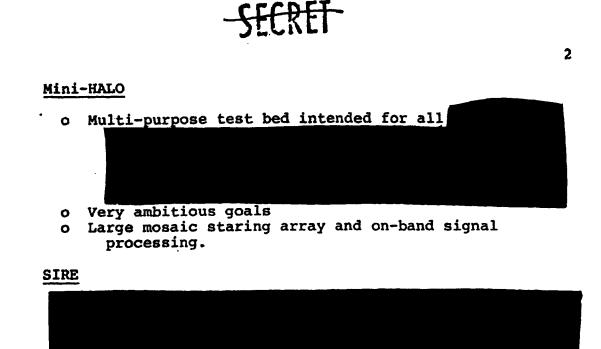
(U) S&SS has formed an <u>ad hoc</u> committee to examine the measurement programs, including the three cited above (CIRRIS, STMP and SIRE - all shuttle based). This committee will determine how much overlap exists, establish the impact of dropping one or more, and consider the potential for combining some or all.

(6). The system demonstration experiments are compared in the attached table. These, in the aggregate, are directed toward development of systems which could support the following

missions:	USAF 1.4 (a), (c), (e)+3.3(b)1	(4), (5) OSI	D 3.3(b)( 1), (4), (5)
Mission	Targets	Background	Driving Factors
-			
			It will utilize
different	he three orbiting-expe	riment progr	ams are quite as follows:
Teal	Ruby:		

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(U) The system demonstration experiments tend to compete, in funding and approaches, not only with each other and DSP upgrades but also with the Space Test Program (STP). The immediate goal of STP is to provide a means for low cost tests so that individual objectives can be satisfied on shuttle sortie missions.

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