

wilitary justifications from November 1950 on which resulted in the Sil7L-SERTAL-SANDS, including the ARPA later restrictions. The FMMD states two underlying considerations: (a) WS 117L will complement and supplement, but not replace, other intelligence collection systems of techniques; (b) WS 117L is uniquely capable of unlimited geographic and time access. The AFRO has interpreted all operational requirements and goals to mean that the unique features would be exploited but within the context of all sources of intelligence collection.

2. The AFRID defines the subsystems as follows:

Visual recommaissance subsystem provides retrieval of data by electronic readout to ground stations (20 foot resolution) or by physical resevery of exposed film from the setellite (5 foot resolution).

SUBSTREE F: Electronic ferret subsystem to measure characteristics of emitters operating in USER and to transmit the measured data to US ground stations.

SUBSTRUM I: A ground data handling system for processing SAMOS reconnaisoance data.

3. The TWK does not answer the bacic question asked: What reason do we have for combating the opposition statement that the AFRED plans call for BED on many subsystem advances so that it is an RED project for many years? The fact is the AFRED has consistently fought against the ARPA restrictions on their original long range plan. The AFRED TWK states the WS 117L is in an advanced state of development, but a few years are required to achieve the operational goal capability. Development consideration must be kept paramount during the development program if we are to achieve a true reconnaissance capability in the shortest overall period of time. In fact, the AFRED has replied to USAF, 16 July 1959, that "the requirements of implementing a disarrament plan are more stringent than those to support SAC. Therefore, the development agency must retain operational control."

4. On the other hand, the ARPA Space Technology Review of 9-15 September 1959 gives their estimate of a completion of operational feasibility tests as SANOS-ferret and visual readout-Jan 1962, visual recovery-July 1962. The issue is clear, if we want to prompte an early transfer of SANOS to USAF. We must charge our insistence/many years RED to one of calling the extra RED a follow-on improvement after feasibility is demonstrated by the first flights.

SANOS CERONCLOGY - 1956-1959

28 May 1956	USAF Scientific Advisory Board recommended vigorous support of evaluation of recommissance satellite.
1957	National Academy of Sciences (AMSC study group on RAD objectives for UBAF). Recommended earliest possible development of recommissance satellite.
9 Oct 1957	Seientific Advisory Board to Chief of Staff. (Dr. Stever, Chairman) Recommended that satellite surveillance system be developed at earliest date.
14 Mar 1958	Air Force Ballistic Missile Committee: Decided to accelerate WE 117L to begin test vehicle launching by Movember 1958.
Apr 1958	USAF Scientific Advisory Board: Recommended that NE 117L program be re-oriented to place emphasis on faster data recovery for visual system.
1958	Summary report of the Mational Academy of Sciences (Committee on Recommendates and Intelligence): Recommended full support of WS 117L.
16 Feb 1959	ARPA Order No. 9-58, Amendment No. 8: Approved in general re-oriented SENTEY program presented 4 February 1979 by the AFMO to ARPA.
3 Apr 1959	ARPA Order No. 9-58, Amendment No. 10: Approved. The APPAD SENTRY readout plan of 30 Jan 1959 for visual readout, visual recovery and ferret readout.
26 May 1959	ARPA-directed deletion of SENTRI mapping program.
24 Jun 1959	ARPA limits SEMTRY to \$135 million and defers recovery progres (\$25 million) pending review.
10 Sep 1959	OSD approves recovery progrem within \$148 million project total.

1- Regument - ? · State of economy.
· Survillance - fast reaction 2. Technical fearbhity?
3. Otter systems? Rand 4-Operational Cost & Continuetors
Efor-plan /2/st . Scientists + Eng

any one time - . Expects The new partification !- Intelligence - it: have nover had wright -

Thomatuling - surphinge Operational numey - How much

recovery plan - back in

Requirements (Warning) - Readont

Pretures - smulated - Wangheetry

during next 5 grs -