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NRL SPECIAL PROJECTS CONTROL NUMBER

BYE-55447-92

kg 6/29/94

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SUBJECT
SEJ 1967 SIGNT SAT CAPABILITIES

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TECH. DESC. [redacted]

TABLE II
CY 1967 SIGINT Satellite Capabilities

System	CY Life	Frequency Covered (MHz)	Tasking (%)	Swath Width (NM) EOB	Swath Width (NM) GS	Processability (%) EOB	Processability (%) GS	Looks/Day (Annual Ave.) EOB	Looks/Day (Annual Ave.) GS
[redacted]	180	125-2100	100	150	1200	90	90	0.16	0.16*
Setter 1A	60	2960-3215	100	340	340	90	90	0.12	0.12
Setter 1B	120	2600-3215	100	340	340	90	90	0.23	0.23
Poppy	360	16 bands within 153-9500**	AB 0.38 CD 0.49	1200 1200	2600 2600	50 50	80 80	0.52(0.05)*** 0.68(0.07)	0.84(0.17)* 1.08 (0.22)
Sampan I	210	2000-4000	33	775	1200	67	75	0.23	0.40
Sousea I	210	8000-12000	33	775	1200	67	75	0.23	0.40
Fanion I	90	4900-5150	33	510	1200	67	75	0.07	0.17
Tripos I	90	4000-8000	33	775	1200	67	75	0.10	0.17
Fanion II	240	4900-5150	40	800	1200	67	75	0.33	0.55
Tripos II	240	4000-8000	40	800	1200	67	75	0.33	0.55
Fanion III	240	4900-5150	40	800	1200	67	75	0.33	0.55
Aryjan	150	1000-2000	40	800	1200	67	75	0.21	0.34
Sampan II	150	2000-4000	40	800	1200	67	75	0.21	0.34
Tripos III	90	4000-8000	40	800	1200	67	75	0.12	0.21
Sousea	90	8000-12000	40	800	1200	67	75	0.12	0.21

* Because of the GS requirement for positional accuracy of 50 n. m. or less the EOB swath width was used for these systems.

** Because of locational accuracy needs in EOB and GS, only those frequency bands which can be covered by [redacted] are considered in this analysis.

*** The numbers in parenthesis represent the capability of POPPY against non-circularly scanning emitters.