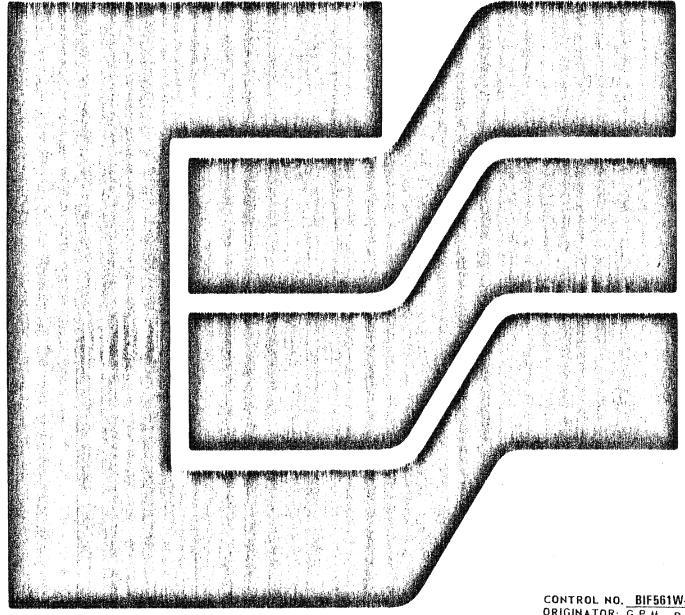
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CONTROL NO. BIF561W-B390-79 PAGE:

ORIGINATOR: G.P.M. DATE: 5-17-79

HANDLE VIA BYEMAN CONTROL SYSTEM ONLY
DERIVATIVE CL BY: BYE-1
REVIEW: MAY 17, 1999

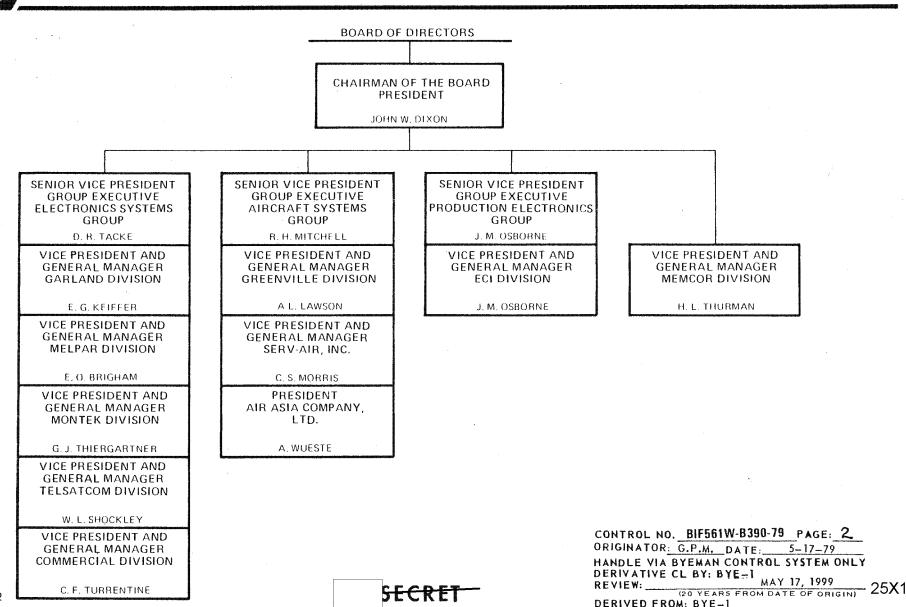
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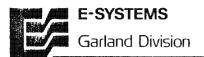
E-SYSTEMS ORGANIZATION



SP051679-2

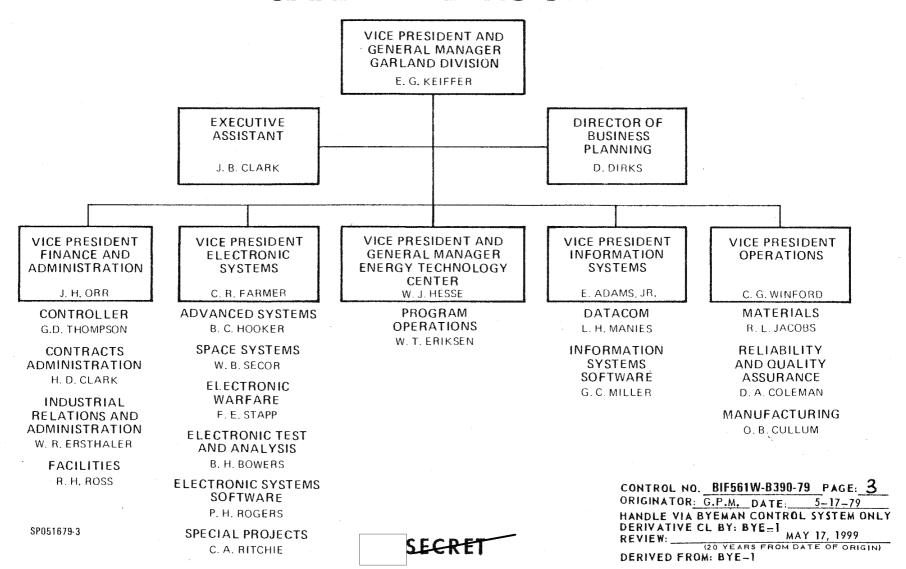
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ELECTRONICS SYSTEMS GROUP

GARLAND DIVISION



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PROGRAMS

SP051679-4

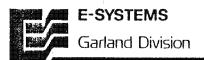


CONTROL NO. BIF561W-B390-79 PAGE: 4
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HANDLE VIA BYEMAN CONTROL SYSTEM ONLY
DERIVATIVE CL BY: BYE-1
REVIEW: MAY 17, 1999

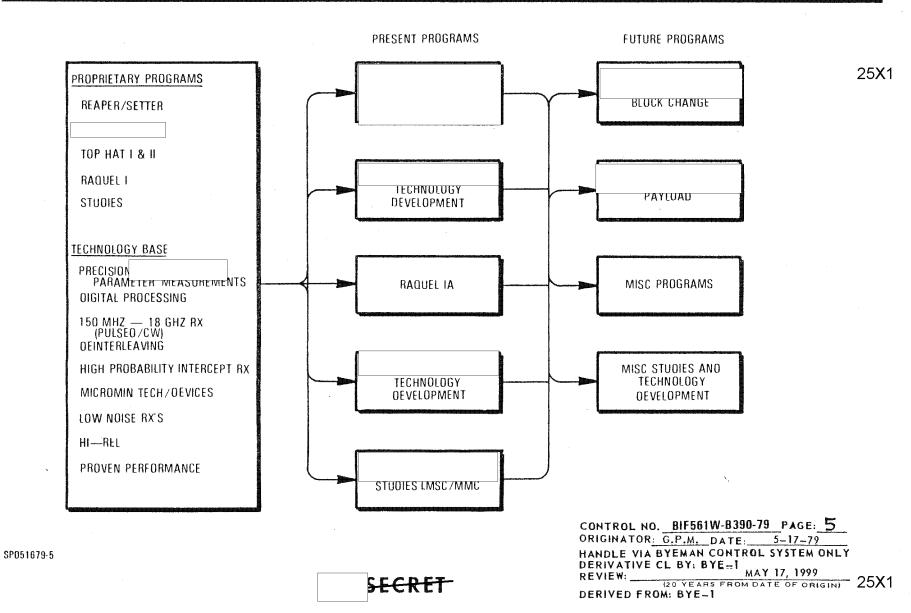
(20 YEARS FROM DATE OF ORIGIN) 25X1
DERIVED FROM: BYE-1

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PRODUCT LINE OVERVIEW



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E-SYSTEMS PAYLOAD LAUNCH HISTORY

FREQUENCY ,	TARGETS	, FLIGHT DATE	PERFORMANCE
	FOREIGN DEFENSE RADARS	FEBRUARY 1964	11 DAYS
4.95 - 5.077 GHZ	FOREIGN DEFENSE RADARS	JULY 1964	12 DAYS
0.521 - 0.648 GHZ	FOREIGN DEFENSE RADARS	NOVEMBER 1964	4 DAYS
1.55 - 1.75 GHZ		OCTOBER 1965	12 DAYS
2.68 - 2.935 GHZ	FOREIGN DEFENSE RADARS	FEBRUARY 1966	41 DAYS
2.96 - 2.935 GHZ	FOREIGN DEFENSE RADARS	DECEMBER 1966	159 DAYS
2.6 - 3.2 GHZ	FOREIGN DEFENSE RADARS	JULY 1967	159 DAYS
2.6 - 3.2 GHZ	FOREIGN DEFENSE RADARS	JANUARY 1968	436 DAYS
1.8 - 3.3 GHZ	FOREIGN DEFENSE RADARS	OCTOBER 1968	367 DAYS
1.8 - 3.3 GHZ	FOREIGN DEFENSE RADARS	JULY 1969	396 DAYS
0.160-0.900GHZ	ABM RADARS	JULY 1969	390 DAYS
0.45 - 1.0 GHZ		NOVEMBER 1970	44 MONTHS
1.8 - 3.3 GHZ	FOREIGN DEFENSE RADARS	AUGUST 1970	531 DAYS
1.8 - 3.3 GHZ	FOREIGN DEFENSE RADARS	JULY 1971	455 DAYS
0.45 - 1.0 GHZ		APRIL 1974	STILL OPERATING
4 - 18 GHZ		NOVEMBER 1974	STILL OPERATING
4 - 18 GHZ		SPRING 1978	STILL OPERATING
4 444	4.95 - 5.077 GHZ 0.521 - 0.648 GHZ 1.55 - 1.75 GHZ 2.68 - 2.935 GHZ 2.96 - 2.935 GHZ 2.6 - 3.2 GHZ 2.6 - 3.2 GHZ 1.8 - 3.3 GHZ 1.8 - 3.3 GHZ 0.160-0.900GHZ 0.45 - 1.0 GHZ 1.8 - 3.3 GHZ 1.8 - 3.3 GHZ 4 - 18 GHZ	4.95 - 5.077 GHZ 0.521 - 0.648 GHZ 1.55 - 1.75 GHZ 2.68 - 2.935 GHZ 2.96 - 2.935 GHZ 2.6 - 3.2 GHZ 2.6 - 3.2 GHZ 1.8 - 3.3 GHZ 1.8 - 3.3 GHZ 0.45 - 1.0 GHZ 1.8 - 3.3 GHZ	4.95 - 5.077 GHZ 0.521 - 0.648 GHZ 1.55 - 1.75 GHZ 2.68 - 2.935 GHZ 2.96 - 2.935 GHZ 2.6 - 3.2 GHZ 1.8 - 3.3 GHZ 0.160-0.900GHZ 1.8 - 3.3 GHZ 1.9 - 0.6 HZ 1.9 -

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CONTROL NO. BIF561W-B390-79 PAGE: 6
ORIGINATOR: G.P.M. DATE: 5-17-79
HANDLE VIA BYEMAN CONTROL SYSTEM ONLY
DERIVATIVE CL BY: BYE-1
REVIEW: MAY 17, 1999
DERIVED FROM: BYE-1

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SP051679-6





REAPER PAYLOAD

MISSION:

RADAR ORDER OF BATTLE & TECHNICAL INTELLIGENCE ELINT COLLECTION SYSTEM FOR STRAWMAN STABILIZED AGENDA - P770

CONTRACT:

DESIGN, DEVELOPMENT & QUALIFICATION - 5 FLIGHT SYSTEMS & 2 GROUND SUPPORT SYSTEMS SAFSP CONTRACT

PROGRAM STATUS:

DELIVERY:

1 REAPER MARCH 1968 - LAUNCHED OCTOBER 1968

2 REAPER OCTOBER 1968 - LAUNCHED JULY 1969

3 REAPER AUGUST 1969 - LAUNCHED AUGUST 1970

4 REAPER JANUARY 1971 - LAUNCHED JULY 1971

5 REAPER STORAGE

FEATURES:

COVERS MOST DENSE RADAR ENVIRONMENT IN SOVIET

ACCURATE & RELIABLE DIRECTION FINDING - 95% CONFIDENCE

DEINTERLEAVES & PRESORTS DATA - MINIMUM GROUND PROCESSING

WIDE BAND RECORDING OF TECHNICAL INTELLIGENCE

HIGH RELIABILITY PROGRAM - INCENTIVE FOR LIFE ON ORBIT

WEIGHT 230 LBS. POWER 230 WATTS

SEER

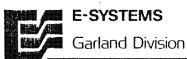
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HANDLE VIA BYEMAN CONTROL SYSTEM ONLY
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REVIEW: MAY 17, 1999

DERIVED FROM: BYE-1

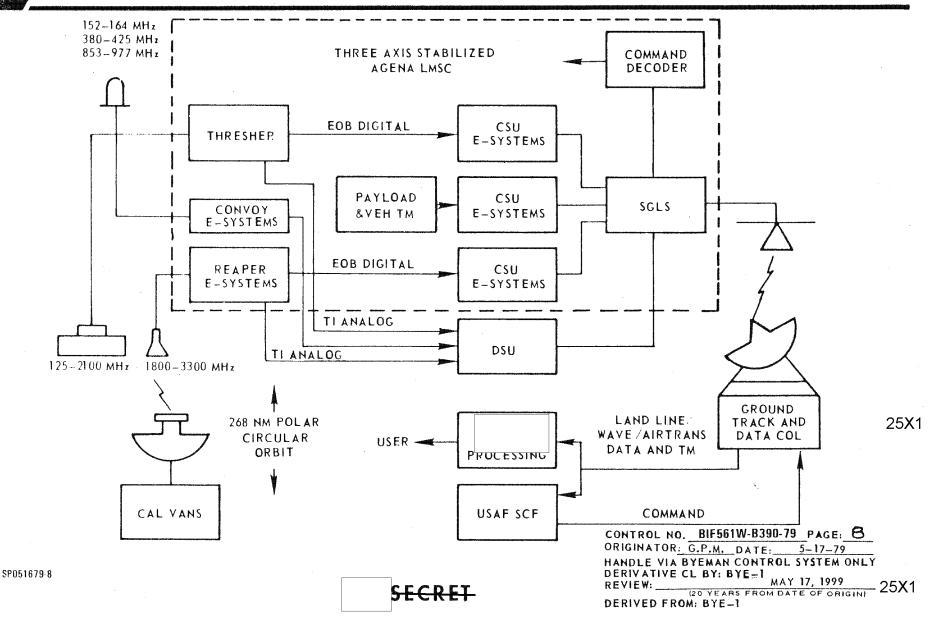
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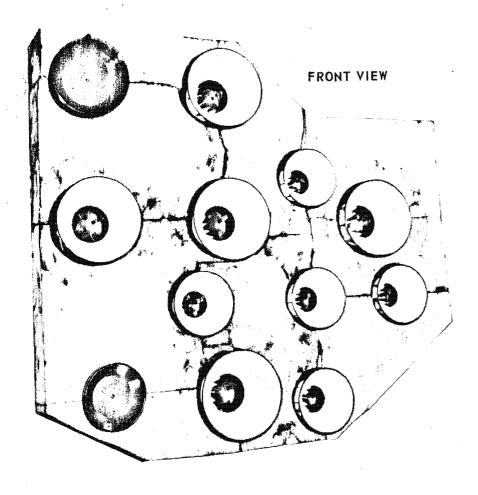
STRAWMAN

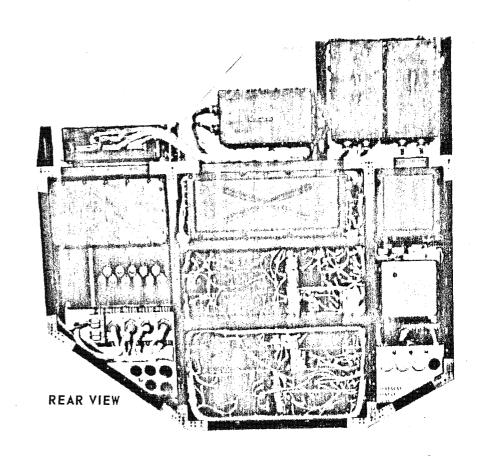


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REAPER PAYLOAD





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CONTROL NO. BIF561W-B390-79 PAGE: 9
ORIGINATOR: G.P.M. DATE: 5-17-79
HANDLE VIA BYEMAN CONTROL SYSTEM ONLY
DERIVATIVE CL BY: BYE=1
REVIEW: (20 YEARS FROM DATE OF ORIGIN)
DERIVED FROM: BYE-1

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