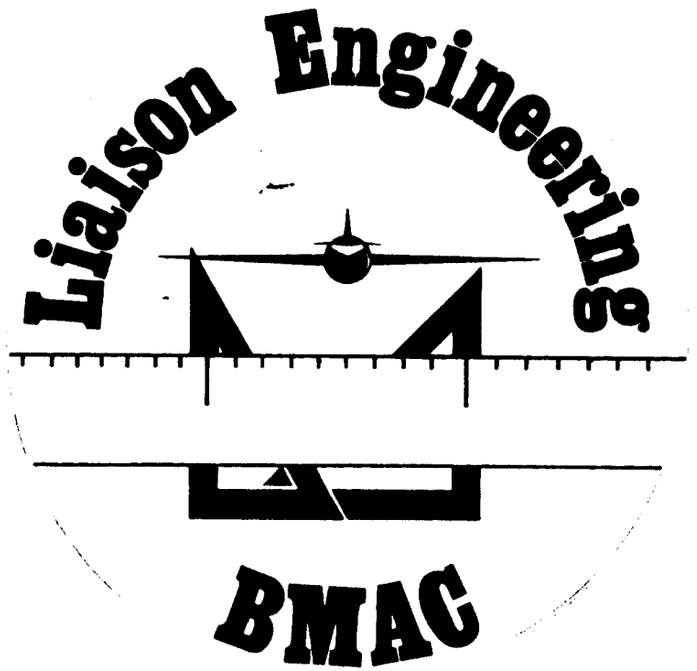
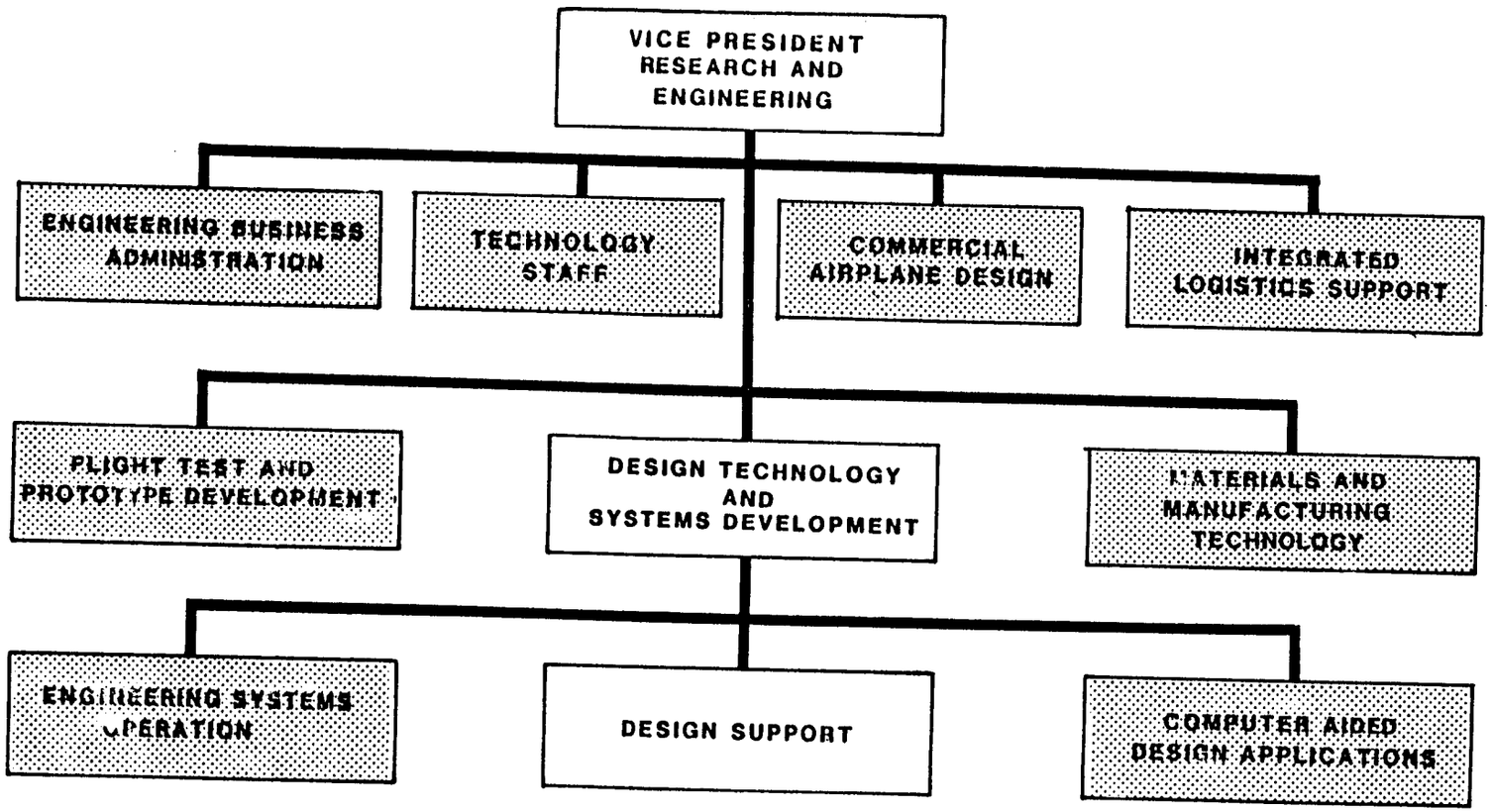
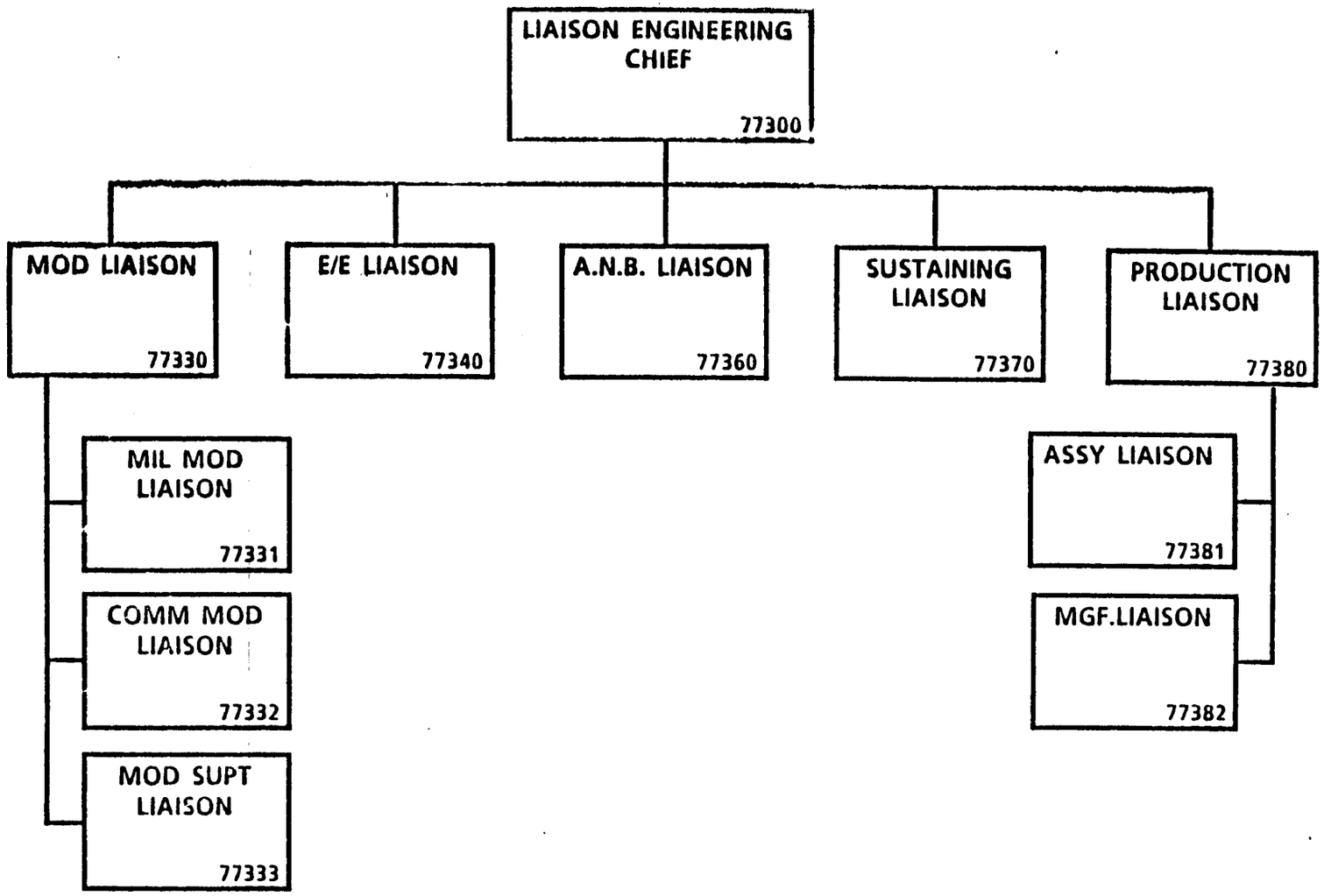

Liaison Engineering
BMAC

Research And Engineering




LIAISON ENGINEERING CHIEF
77300
MOD LIAISON
77330
E/E LIAISON
77340
A.N.B. LIAISON
77360
SUSTAINING LIAISON
77370
PRODUCTION LIAISON
77380
MIL MOD LIAISON
77331
COMM MOD LIAISON
77332
MOD SUPT LIAISON
77333
ASSY LIAISON
77381
MGF.LIAISON
77382

FUNCTION

MRB (MATERIAL REVIEW BOARD)

- AUTHORIZED BY MIL-Q-9858A FOR MILITARY PROGRAMS
- AUTHORIZED BY FEDERAL AVIATION REGULATIONS (FAR) FOR COMMERCIAL PROGRAMS

CONFIGURATION CONTROL

- ASSURE DRAWINGS ARE REVISED (MINOR ERRORS)
- ASSURE PROPER CLOSING OF MRB ACTIONS AS REQUIRED BY MIL-STD-1520

SHOP SUPPORT

- PRODUCTION FACILITY CHANGES
- MATERIAL CHANGES
- PROCESS CHANGES
- DRAWING INTERPRETATION

SHOP SUPPORT

o PRODUCTION FACILITY CHANGE

- REVISE ENGINEERING DRAWINGS TO RELAX TOLERANCES WHEN COST-EFFECTIVE

o MATERIAL CHANGE

- SUBSTITUTION OF AVAILABLE MATERIAL WHEN ALLOWABLE
- CHANGE TO MORE COST-EFFECTIVE MATERIAL WHEN FUNCTION, SPECIFICATION & QUALITY ALLOWS

o PROCESS CHANGES

- WORK WITH PROCESS ENGINEERS TO SOLVE PROCESS PROBLEMS
- WORK WITH MANUFACTURING & PROCESS ENGINEERING TO DEVISE MORE PRODUCTIVE, COST-EFFECTIVE USE OF PROCESSES

o DRAWING INTERPRETATION

- MANY TIMES SYNTAX HAS DIFFERENT MEANING WHEN USED EARLY IN A PROGRAM
- AID SHOP PERSONNEL IN CONCEPTUALIZING DRAWINGS EARLY IN PROGRAM
- CLARIFY CONFLICT OF VIEWS — REVISE DRAWING

RESPONSIBILITY

FACILITATE SOLUTIONS TO PROBLEMS

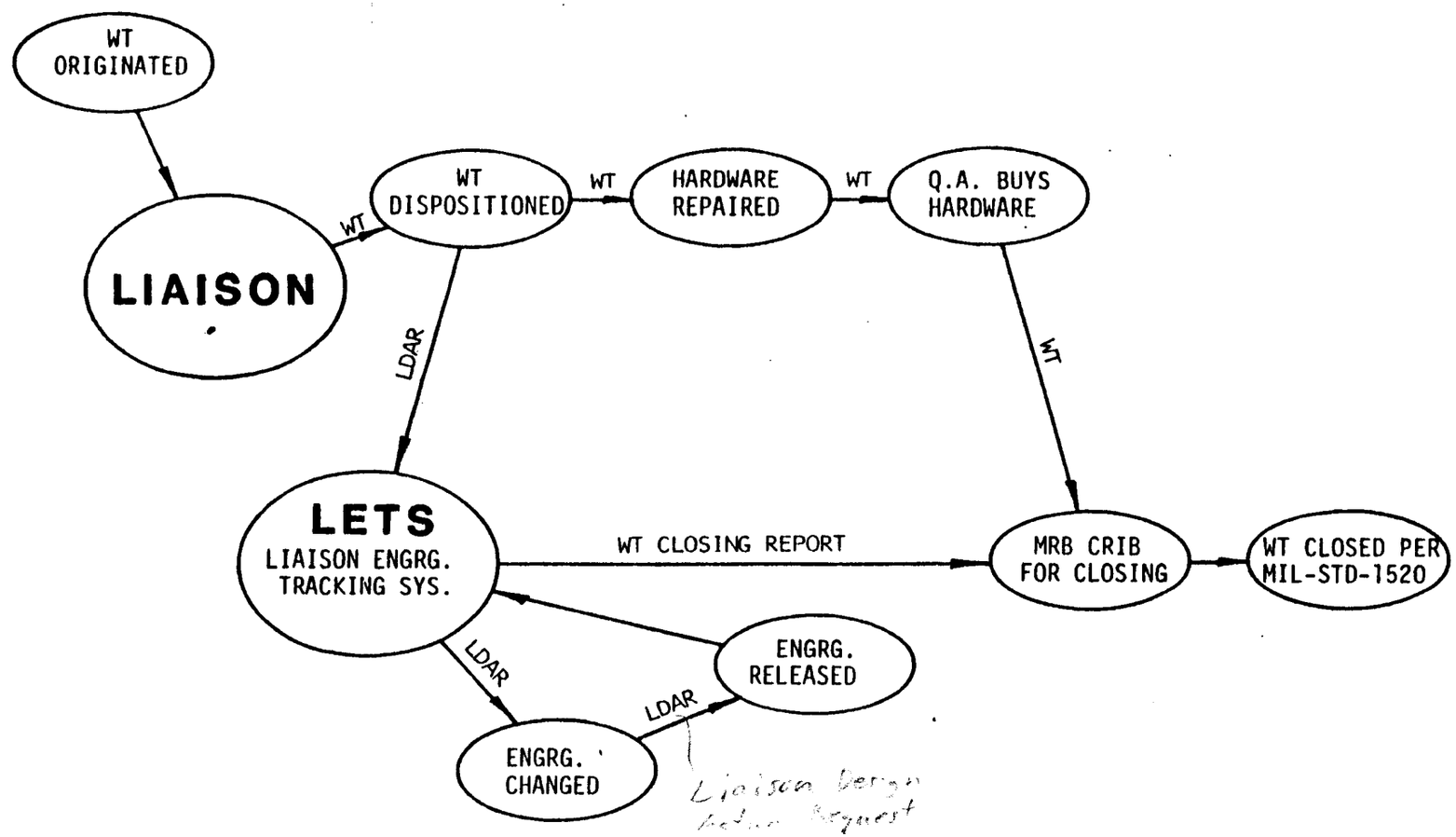
- ARISING FROM ENGINEERING DATA ERRORS
- MANUFACTURING DISCREPANCIES
- ARISING FROM PROCESS PROBLEMS
- INVOLVING COSTS & SCHEDULES
- FROM SOFTWARE DISCREPANCIES

PROVIDE VISIBILITY

- TO PROGRAM MANAGEMENT
- TO RESEARCH & ENGINEERING MANAGEMENT
- TO MANUFACTURING MANAGEMENT

  - TOOL TO PROVIDE THE ABOVE IS LIAISON ENGINEERING TRACKING SYSTEM (LETS)

TRACKING WITHHOLD TAGS THROUGH LETS
(LIAISON ENGINEERING TRACKING SYSTEM)



BOEING MILITARY AIRPLANE COMPANY

WITHHOLD TAG STATUS

APRIL 1987

GOAL: TWO-DAY TURNAROUND TIME FOR DISPOSITION

ACHIEVEMENTS: 91 PERCENT OF W/Ts WORKED WITHIN TWO-DAY GOAL

PERFORMANCE

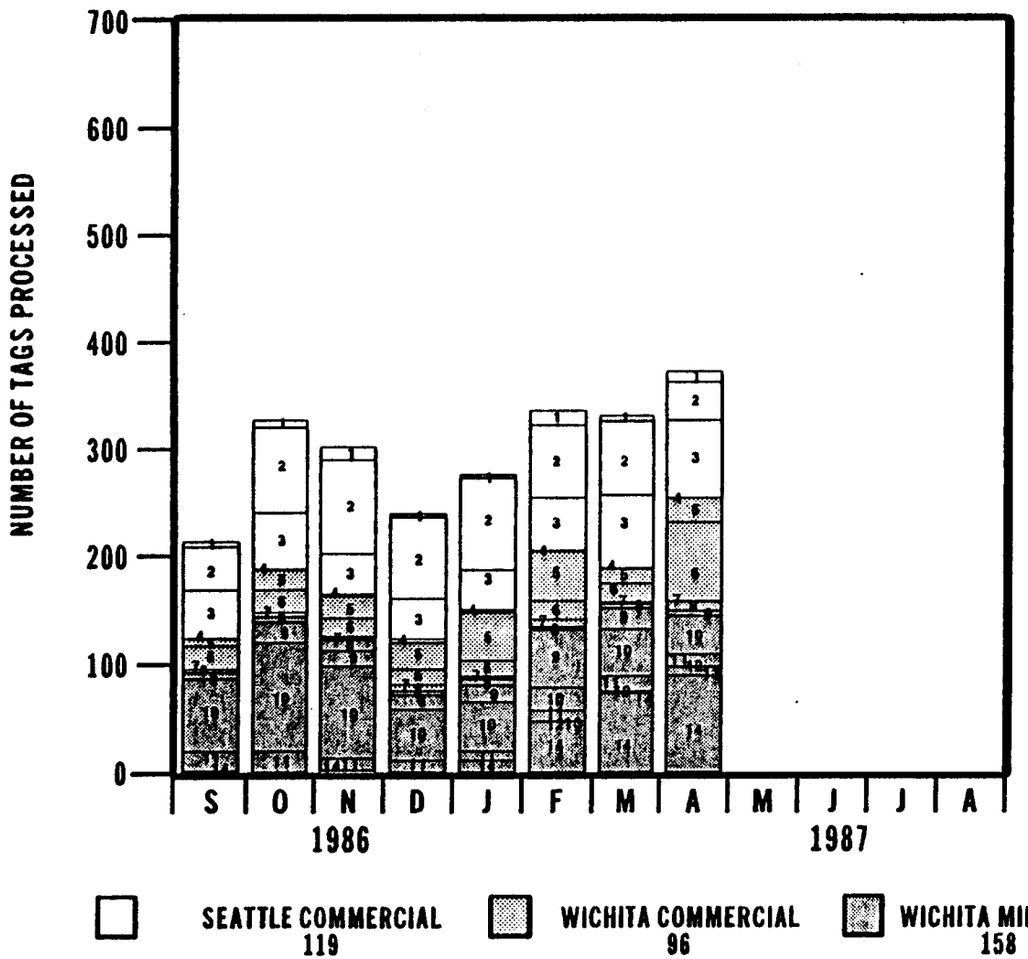
TOTAL TAGS/ SPECIAL REPAIRS		OVER TWO-DAY TURNAROUND
4131	1198	356

KREVIEWJK.05

BOEING MILITARY AIRPLANE COMPANY

DISTRIBUTION OF PROCESSED TAGS

ATTRIBUTED ENGINEERING ERRORS

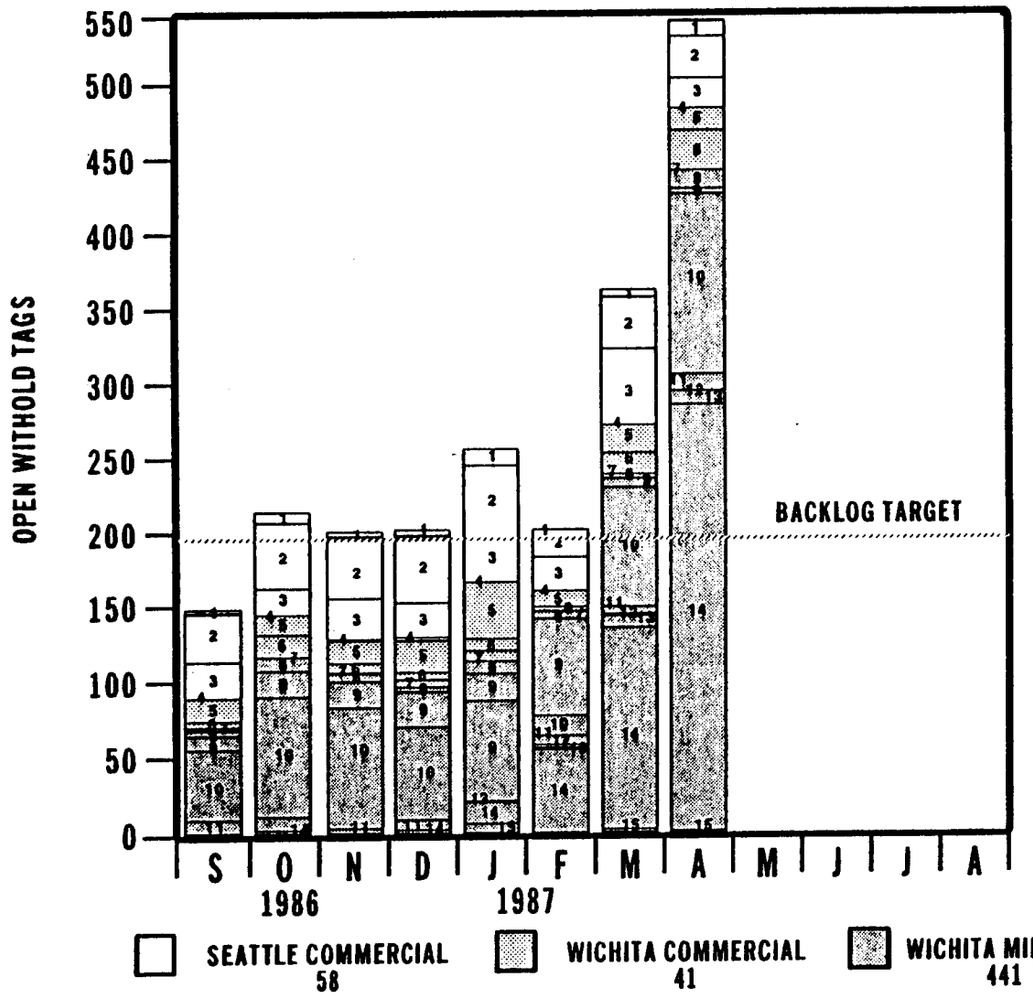


	CURRENT MONTH	LAST MONTH
1. 767	10	5
2. 747	36	69
3. 737	73	68
4. 707/727	0	1
5. 757 SEC.41	20	11
NACELLE	3	2
6. 767 NACELLE	72	17
7. 737 NACELLE	1	2
8. B-52	8	4
9. ELEC/ELEX	5	19
B-1B	0	0
10. MOD LIA	36	44
11. KC-135	11	14
12. V-22	1	1
13. A-6	8	1
14. J-STAR	89	73
15. AF-1	0	0
	373	331

BOEING MILITARY AIRPLANE COMPANY

WITHHOLD TAG BACKLOG

ENGINEERING LIAISON

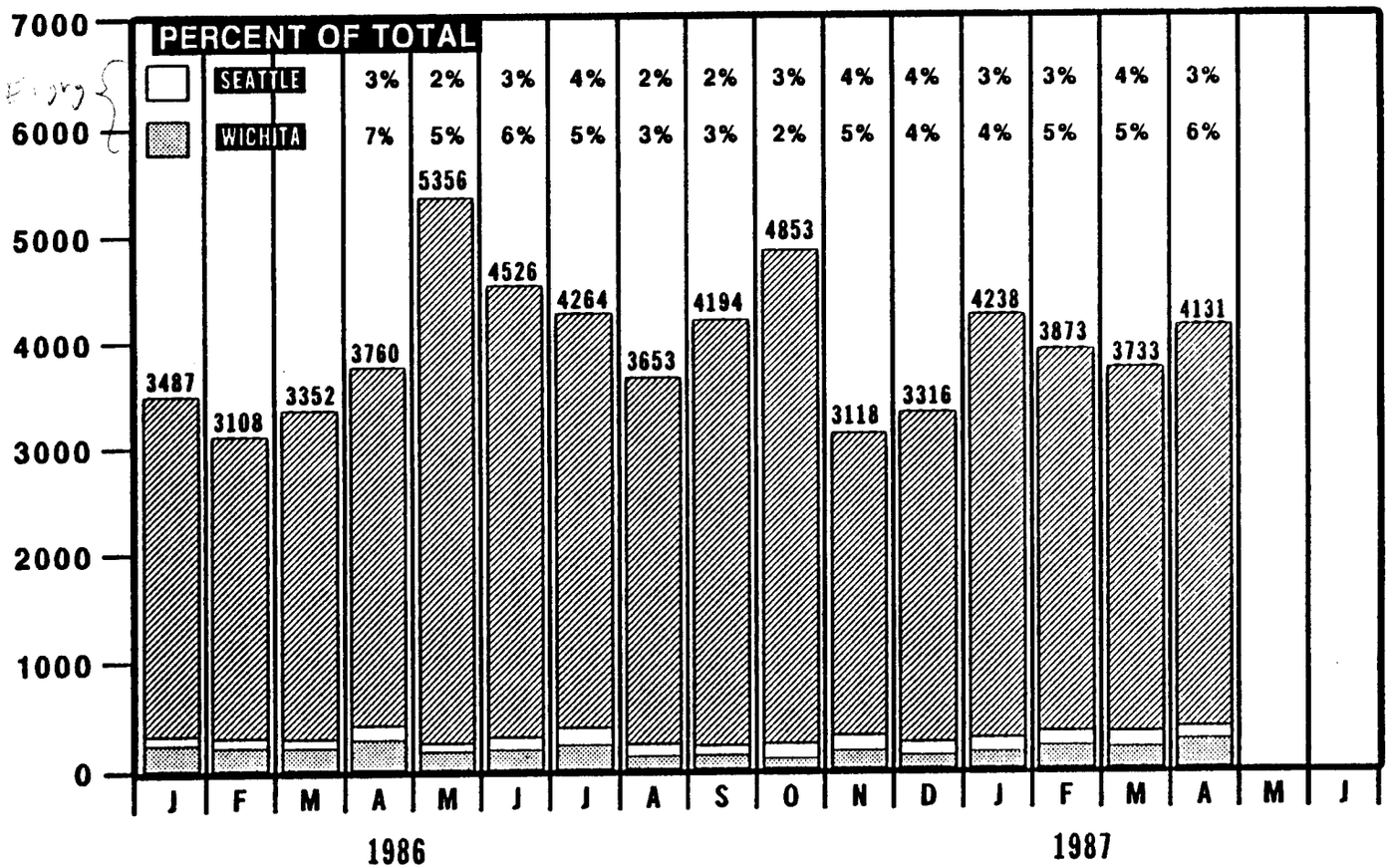


	CURRENT MONTH	LAST MONTH
1. 767	10	5
2. 747	28	35
3. 737	20	50
4. 707/727	0	0
5. 757 SEC.41	15	17
NACELLE	0	2
6. 767 NACELLE	26	14
7. 737 NACELLE	0	0
8. B-52	12	3
9. ELEC/ELEX	3	6
B-1B	1	0
10. MOD LIA	120	81
11. KC-135	11	5
12. V-22	0	1
13. A-6	9	8
14. J-STAR	284	133
15. AF-1	1	2
	540	362

KREVIEWJK.08

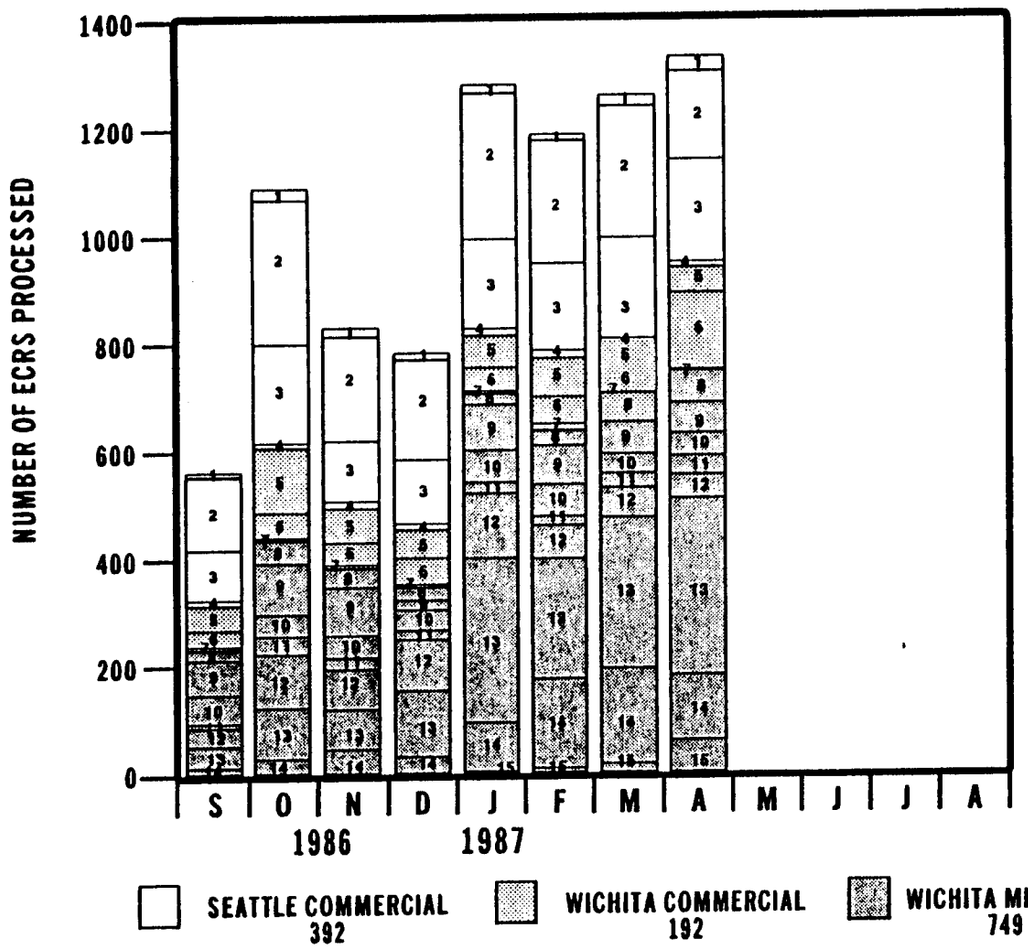
BOEING MILITARY AIRPLANE COMPANY

WITHOLD TAG HISTORY



KREVIEWJK.06

ECRS I,II,III

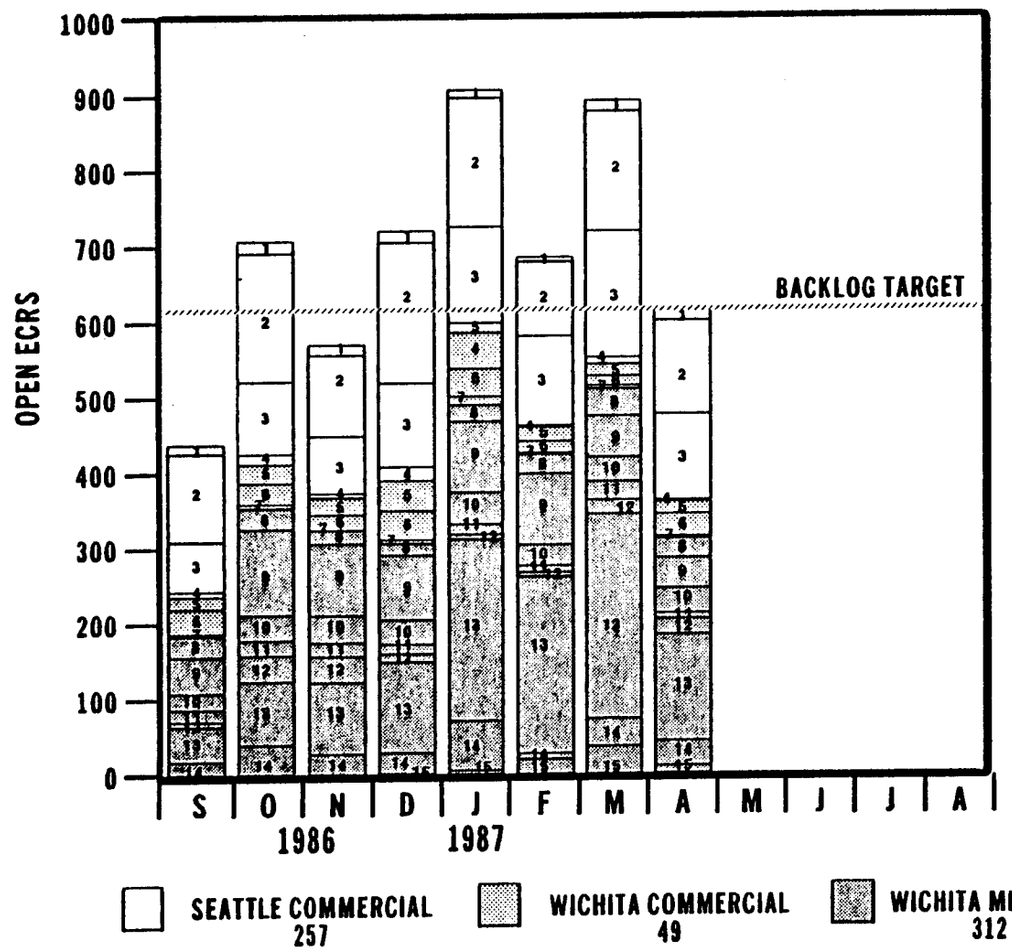


	CURRENT MONTH	LAST MONTH
1. 767	28	20
2. 747	164	245
3. 737	190	187
4. 707/727	10	10
5. 757 SEC.41	27	35
NACELLE	20	9
6. 767 NACELLE	143	44
7. 737 NACELLE	2	4
8. B-52	61	54
9. ELEC/ELEX	40	46
B-1B	16	14
10. MOD LIA	42	36
11. KC-135	35	27
12. V-22	44	55
13. A-6	330	283
14. J-STAR	121	177
15. AF-1	60	16
	1333	1262

KREVIEWJK.11

BOEING MILITARY AIRPLANE COMPANY

ECR BACKLOG
ENGINEERING LIAISON



	CURRENT MONTH	LAST MONTH
1. 767	17	14
2. 747	24	160
3. 737	114	166
4. 707/727	2	9
5. 757 SEC.41	13	12
NACELLE	4	4
6. 767 NACELLE	29	13
7. 737 NACELLE	3	4
8. B-52	27	37
9. ELEC/ELEX	34	34
B-1B	7	20
10. MOD LIA	33	33
11. KC-135	8	24
12. V-22	20	19
13. A-6	140	272
14. J-STAR	33	36
15. AF-1	10	36
	618	893

KREVIEWJK.12

DRAWING QUALITY

ERRORS PER DATA

MONTHLY DRAWING QUALITY ERROR PER DATA REPORT	A&WSI	ILS	A6	KC-135	SE DESIGN	AF-1	JOINT STARS	MTS	LIA	NAC	ECAD	COMM	ALL PROG TOTAL
JANUARY	1.0	*	0.8	1.2	0.3	0.5	0.8	*	0.1	0.2	1.6	0.3	0.6
FEBRUARY	1.0	*	1.1	1.1	1.4	0.6	0.7	*	0.2	0.1	1.3	0.3	0.6
MARCH	0.8	*	0.7	1.1	0.7	0.7	0.7	*	0.2	0.1	0.9	0.2	0.5
APRIL	0.9	*	0.8	0.6	0.5	0.7	0.6	*	0.1	0.1	1.1	0.3	0.6
MAY													
JUNE													
JULY													
AUGUST													
SEPTEMBER													
OCTOBER													
NOVEMBER													
DECEMBER													
CURRENT MONTH TOTAL DATA	632	*	461	55	2	399	489	*	790	147	34	251	8260
CURRENT MONTH BYPASSED DATA	53	*	0	0	0	0	2	*	0	0	0	25	80
CURRENT MONTH GRAND TOTAL	685	*	461	55	2	399	491	*	790	147	34	276	8340

*NO DATA SUBMITTED

Aut. Parts List
Automated Parts

APL/APR OPERATIONS

ERRORS PER DATA

1987 APL/APR OPERATIONS ERROR PER DATA REPORT		MILITARY																													TOTAL ALL PROGRAMS
		PROGRAM PROJECT SY J. FRY	F-4 (R. MOORENAM)	C/KC-135 (G. GREGG)	ELEC CAD (P. BOYLE)	PTS. STANDARD (R. BEAM)	LIAISON (R. LAPPIN)	MACELLE (F. RUSS)	SPAT FORT J. BLANEY	J-STARS (W. RAMSUM)	A-6 D. TOOMBS	AF-1 (E. YARNTHE)																			
JANUARY		.0	*	.1	.0	*	.2	.0	.1	.1	1.2	.4																			.4
FEBRUARY		.0	1.4	.0	.0	*	.3	.0	.0	.0	1.0	.4																			.2
MARCH		.0	.8	.2	.3	*	.1	.0	.2	.1	.6	.6																			.2
APRIL		.0	.1	.0	*	*	.1	.0	.0	.0	.8	.6																			.3
MAY																															
JUNE																															
JULY																															
AUGUST																															
SEPTEMBER																															
OCTOBER																															
NOVEMBER																															
DECEMBER																															
CURRENT PD.	TOTAL DATA	41	39	10	*	*	80	1	8	160	303	229																			1287
	BYPASS DATA	0	0	0			0	0	0	0	0	0																			0
	GRAND TOTAL	41	39	10	*	*	80	1	8	160	303	229																			1287

* NO DATA SUBMITTED

APL/APR OPERATIONS

ERRORS PER DATA

1987 APL/APR OPERATIONS ERROR PER DATA REPORT	MILITARY																	COMMERCIAL					
	P-3C/CIII (W. KLETCHKA)	EC-135 (W. KLETCHKA)	STRAT HARM (W. KLETCHKA)	DIG. SCAN CONV. (W. KLETCHKA)	ECS/B-52 SYST. (W. CARPENTER)	DEF. SYS. (L. RADAR)	Y-22 (E. KEY)	ICNMS/CNI (W. KEY)	MAPS (R. THOMPSON)	B-1B (WICHITA) (E. J. HILL)		CSRL (K. ZIEGLER)	CSRL I (K. ZIEGLER)	A-CSRL (K. ZIEGLER)	ACAI (K. ZIEGLER)	RATO (D. HALL)	LIAISON (R. LAPPIN)	RACELLE (F. RUSSI)	757 SECT. 41 (D. HALL)			TOTAL INCL PROGRAMS
JANUARY	.0	*	.1	.0	.2	.2	*	.3	*	*		.0	.0	1.7	.0		.0	.0	.0			***
FEBRUARY	.0	*	.1	.0	.3	.0	*	.0	*	.0		.1	.1	.6	.0	.5	.1	.0	.0			***
MARCH	.0	*	.2	*	.1	.6	*	.0	*	*		.1	.0	.3	.0	1.0	.0	.0	.0			***
APRIL	.0	*	.1	*	.0	.0	*	.0	*	.0		.5	.0	.0	.0	.0	.0	.0	.0			***
MAY																						
JUNE																						
JULY																						
AUGUST																						
SEPTEMBER																						
OCTOBER																						
NOVEMBER																						
DECEMBER																						
CURRENT NO. TOTAL DATA	6	*	24	*	11	11	*	28	*	2		12	8	11	5	1	188	49	60			***
BYPASS DATA	0		0		0	0		0		0		0	0	0	0	0	0	0	0			***
GRAND TOTAL	6	*	24	*	11	11	*	28	*	2		12	8	11	5	1	188	49	60			***

* NO DATA SUBMITTED
*** SEE PAGE 2 FOR PROGRAM TOTALS

ECR AND W/T COMPLETION STATUS
APRIL 1987

ECRs

		ALLOWED FLOW			AVG. ACTUAL FLOW			% ON TIME/ ACTUALS			AVG. DAYS DELINQ.		
PRI	QTY CLOSED	LIA	BMAC DESIGN	SEATTLE LDAR	LIA	BMAC DESIGN	SEATTLE LDAR	LIA	BMAC DESIGN	SEATTLE LDAR	LIA	BMAC DESIGN	SEATTLE LDAR
I	714	3	8	13	8.8	24.5	25.0	51.5/ 336	46.5/ 20	36.8/ 7	7.0	30.7	10.5
II	408	11	16	21	18.0	16.2	29.3	42.4/ 154	76.5/ 26	63.6/ 7	16.6	26.1	36.6
III	163	22	25	30	19.4	33.8	39.4	62.7/ 89	75.0/ 12	60.0/ 3	12.9	57.3	12.9

W/Ts

		ALLOWED FLOW			AVG. ACTUAL FLOW			% ON TIME			AVG. DAYS DELINQ.		
PRI	QTY CLOSED	LIA	BMAC DESIGN	SEATTLE LDAR	LIA	BMAC DESIGN	SEATTLE LDAR	LIA	BMAC DESIGN	SEATTLE LDAR	LIA	BMAC DESIGN	SEATTLE LDAR
II	374	10	15	20	15.7	32.6	21.3	34.4	32.9	39.4	11.3	21.9	9.5

ENGINEERING CHANGE REQUEST (ECR)

FORM E-3975 ESTABLISHED AND ADMINISTERED BY OPERATING PROCEDURE 55

USES

A. REQUEST ERROR CORRECTION ON ENGINEERING DRAWINGS.

   1. TO BE USED IN THE PRE-HARDWARE STAGE.

   2. TO CORRECT MINOR DRAWING DISCREPANCIES AFTER HARDWARE FABRICATION PROVIDED THE HARDWARE IS NOT PHYSICALLY AFFECTED.

B. REQUEST PRODUCTION FACILITY CHANGES TO EXISTING ENGINEERING.

C. PRIOITY LEVELS

   1. ESTABLISHED BY ORIGINATOR (AUTOMATICALLY A PRIORITY III IF NOT ASSIGNED).

   2. PRIORITY I REQUIRES THIRD LEVEL MANAGER SIGNATURE PLUS PRIORITY JUSTIFICATION STATEMENT.

Engineering Liaison

SUMMARY:

- THE PRIMARY DUTY IS SUPPORT OF MANUFACTURING IN THE RESOLUTION OF PROBLEMS PERTAINING TO ENGINEERING DATA AND HARDWARE DISCREPANCIES

BOEING MILITARY AIRPLANE COMPANY
A Division of The Boeing Company o Wichita, Kansas o 67210