

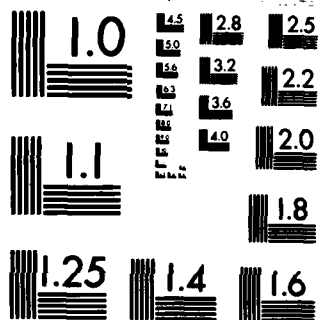
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IMPROVING THE FORECASTING PRECISION OF DEFENSE
LOGISTICS AGENCY PRODUCTIO. (U) INSTITUTE FOR DEFENSE
ANALYSES ALEXANDRIA VA R E KUENNE JAN 85 IDA-P-1811
UNCLASSIFIED IDA/HQ-85-29546 MDA903-84-C-0031 F/G 15/5

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

of 51 percent of such quantities. If your records cannot provide that date, your own recorded date of contract fulfillment will be welcome.

Dates may be recorded in either standard or Julian form. A stamped, self-addressed return envelope is enclosed for your convenience.

In requesting your cooperation I would like to emphasize several points.

1. Your cooperation is wholly voluntary. Compliance or noncompliance with the request will not be reported to DLA.
2. The only interest of the study is that of improving the accuracy of lead time forecasting. We are in no sense monitoring past lead time performance of contractors.
3. Our interest in the data provided is to compile a completely anonymous set of 1,100 lead time observations for statistical analysis. Upon receipt of your data sheet, the lead time information will be recorded in the appropriate FSC category without identification of your firm. At the end of the study the data sheets submitted by you will be destroyed. At no time will any material that permits ascription to a contract or contractor be made available to DLA or any other organization.

I would like to thank you in advance for your cooperation in this project. If you have any questions please feel free to telephone Professor Robert E. Kuenne collect at (802) 425-2017 before September 3, and at (609) 452-4002 thereafter.

Sincerely,


Jeffrey H. Grotte
Deputy Director

Enclosures

Appendix D

106 OBSERVATIONS OF XPPLT AND XAPLT

106 OBSERVATIONS OF XPPLT AND XAPLT

<u>Observation</u>	<u>XPPLT</u>	<u>XAPLT</u>	<u>Observation</u>	<u>XPPLT</u>	<u>XAPLT</u>
1	277	276	26	871	916
2	0	0	27	517	601
3	33	54	28	615	615
4	67	88	29	462	462
5	91	112	30	250	270
6	176	279	31	90	120
7	18	45	32	8	15
8	40	30	33	200	210
9	35	170	34	176	180
10	18	28	35	300	250
11	204	219	36	300	250
12	303	338	37	410	360
13	189	220	38	360	270
14	10	3	39	360	270
15	20	20	40	210	210
16	194	240	41	120	90
17	200	241	42	144	220
18	225	234	43	196	180
19	170	234	44	91	90
20	41	160	45	150	150
21	33	184	46	130	150
22	34	184	47	135	120
23	63	114	48	97	150
24	182	178	49	106	150
25	325	347	50	57	90
			51	76	120

(continued)

<u>Observation</u>	<u>XPPLT</u>	<u>XAPLT</u>
52	133	180
53	91	74
54	215	93
55	251	218
56	140	90
57	125	210
58	122	300
59	210	345
60	144	270
61	121	240
62	279	285
63	159	120
64	320	285
65	11	90
66	135	150
67	150	203
68	240	290
69	240	235
70	240	240
71	255	233
72	83	75
73	146	59
74	128	69
75	190	120
76	250	180
77	33	150
78	419	570
79	491	485

<u>Observation</u>	<u>XPPLT</u>	<u>XAPLT</u>
80	525	570
81	416	417
82	512	497
83	373	388
84	375	487
85	494	491
86	485	493
87	486	606
88	356	600
89	517	502
90	649	619
91	571	510
92	65	297
93	215	209
94	340	110
95	180	120
96	296	330
97	140	330
98	758	360
99	369	330
100	340	390
101	30	31
102	176	205
103	305	395
104	213	395
105	307	280
106	280	252

.Appendix E

VALUES OF VEND, INVEN, LEAD, AND UNLEAD
BY QUARTERS, 1970-1984

VALUES OF VEND, INVEN, LEAD, AND UNLEAD
BY QUARTERS, 1970-1984

<u>Quarter/Year</u>	<u>VEND</u>	<u>INVEN</u>	<u>LEAD</u>	<u>UNLEAD</u>
1Q70	55	100.3	93.1	104.2
2Q70	64	101.3	92.3	103.9
3Q70	47	100.1	91.8	103.9
4Q70	37	98.9	92.8	105.7
1Q71	43	100.7	96.9	111.0
2Q71	52	100.7	98.9	113.9
3Q71	48	100.1	98.2	113.7
4Q71	50	101.0	99.8	116.3
1Q72	54	102.0	102.8	120.4
2Q72	59	102.8	104.1	122.9
3Q72	64	104.1	106.3	125.9
4Q72	73	105.8	109.4	130.3
1Q73	83	107.3	111.1	133.0
2Q73	90	108.7	110.0	132.5
3Q73	89	109.1	108.4	131.2
4Q73	90	109.5	107.3	130.6
1Q74	87	109.8	106.5	130.2
2Q74	80	107.4	102.8	126.5
3Q74	64	104.7	97.2	120.2
4Q74	33	98.9	89.9	111.6
1Q75	17	93.7	85.5	106.8
2Q75	24	95.3	89.4	112.3
3Q75	37	99.3	94.4	119.1
4Q75	43	100.1	95.4	121.1
1Q76	48	100.3	98.4	125.5
2Q76	59	102.9	99.8	128.0
3Q76	61	102.9	101.0	130.1
4Q76	48	101.8	101.5	131.4

(continued)

<u>Quarter/Year</u>	<u>VEND</u>	<u>INVEN</u>	<u>LEAD</u>	<u>UNLEAD</u>
1Q77	52	103.0	102.6	133.5
2Q77	57	104.5	103.8	135.8
3Q77	58	103.4	104.0	136.6
4Q77	54	104.1	105.7	139.6
1Q78	62	105.7	105.4	139.9
2Q78	65	107.0	106.4	141.9
3Q78	62	105.6	106.0	142.0
4Q78	67	106.3	106.2	143.1
1Q79	75	108.2	105.5	142.7
2Q79	74	107.2	103.8	141.1
3Q79	55	105.5	102.9	140.5
4Q79	49	102.6	99.2	136.2
1Q80	45	102.2	96.7	133.3
2Q80	33	98.4	89.5	124.0
3Q80	35	99.7	94.3	131.2
4Q80	45	103.2	97.2	136.0
1Q81	49	103.1	96.6	135.7
2Q81	52	104.0	96.0	135.6
3Q81	46	102.9	93.4	132.5
4Q81	33	100.2	90.5	128.9
1Q82	34	96.6	94.5	135.2
2Q82	33	97.0	94.5	135.9
3Q82	39	93.1	94.6	136.6
4Q82	41	97.1	96.2	139.6
1Q83	44	99.4	101.3	147.6
2Q83	52	102.3	105.7	154.8
3Q83	58	104.4	108.4	159.3
4Q83	63	105.9	110.3	162.9

(continued)

<u>Quarter/Year</u>	<u>VEND</u>	<u>INVEN</u>	<u>LEAD</u>	<u>UNLEAD</u>
1Q84	68	106.9	112.2	166.4
2Q84	69	107.3	112.9	168.2

VEND : Index of vendors' performance.
INVEN: Index of inventory investment and purchasing subgroup.
LEAD : Index of trend-adjusted leading indicators.
UNLEAD: Unadjusted index of leading indicators.

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LOGISTICS AGENCY PRODUCTION LEAD TIMES:
A FEASIBILITY STUDY

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