

DOCUMENT RESUME

ED 115 869

CE 005 707

TITLE Fall Department Head Report--Reporting Booklet 2.0 to the Massachusetts Division of Occupational Education (Fiscal Year Ending June 30, 1975) for Machine Shop.

INSTITUTION Management and Information System for Occupational Education, Winchester, Mass.

SPONS AGENCY Massachusetts State Dept. of Education, Boston. Div. of Occupational Education.

PUB DATE 30 Jun 75

NOTE 238p.; For related documents, see ED 062 553; ED 068 646-647; ED 072 225; ED 072 228; ED 072 303-304; CE 005 687-727; Instructions for completing the booklet are available in CE 005 701

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DESCRIPTORS Annual Reports; Census Figures; Data Collection; Demonstration Projects; *Educational Objectives; Job Skills; Machinists; *Management Information Systems; Program Design; Program Evaluation; *Records (Forms); *School Shops; Shop Curriculum; State Programs; Trade and Industrial Education; *Vocational Education

IDENTIFIERS Census Data System; *Management Information System Occupational Educa; MISOE; Terminal Performance Objectives; TERMOBS

ABSTRACT

The reporting booklet is required for the Census Data System (CDS) of the Management Information System for Occupational Education (MISOE); it contains the reporting forms which collect data that describe program structure and job-entry skill outcomes expected of program completors in the individual occupational education area of machine shop. Utilization of instructional area is also determined. This booklet contains the terminal performance objectives (TERMOBS) for this program area. They are actually the forms by which the skills of program completors are reported by department heads. CDS, one of two major subsystems of the integrated management information system, was developed to provide occupational education managers with comprehensive data on which to base rational management decisions. Essentially, CDS contains descriptive information systematically structured in a manner which allows it to be used as a basis for sampling evaluative research studies. CDS collects and stores census data for all school systems offering occupational education programs, including all data formerly collected by the Annual Federal Report for Occupational Information, except followup data. (Author/AJ)

ED115869

2

Missou Number		Due Date
Name of School System		System ID No.
Name of School		School ID No.
Name of Preparer of Report	Title	Telephone No.
Name of Department or Instructional Area		

THE COMMONWEALTH OF MASSACHUSETTS
 DEPARTMENT OF EDUCATION
FALL DEPARTMENT HEAD REPORT-REPORTING BOOKLET 2.0

to the

DIVISION OF OCCUPATIONAL EDUCATION
(Fiscal Year Ending June 30, 1975)

for

MACHINE SHOP

U.S. DEPARTMENT OF HEALTH,
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION

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CF 005 707

Before filing said statement, the superintendent shall submit it to the chairman of the school committee, who shall countersign it on oath, if, after examination, he finds it correct.
(General Laws Relating to Education 1970: Chapter 72, Sec. 2A, Item 4, and Sec. 3, Item 2)

I hereby certify that all the statements contained in this report are true to the best of my knowledge and belief, and that this is a true statement, made under the penalties of perjury.

THE COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF EDUCATION
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I hereby certify that all the statements contained in this report are true to the best of my knowledge and belief, and that this is a true statement, made under the penalties of perjury.

(Date)

Superintendent of Schools

(Date)

Chairman of School Committee

CE 005 707

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TERMOBs

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Table 2.1 Enrollment in Final Grade by Student Group & Terminal Objectives (TERMOB)

		2					3						
1.	Grade												
2.	Student Group Name and Number	101					102						
3.	USOE Code(s)												
4.	Level Code												
5.	Type Code												
6.	Session Code												
7.	Program Length (Years)	<	1	2	3	4	<	1	2	3	4		
8.	Cooperative	Yes	No				Yes	No					
9.	Workstudy	Yes	No				Yes	No					
10.	Exploratory	Yes	No				Yes	No					
11.	Instructors and Teacher's Aides												
	A. Full Time												
	B. Percentage of Time												
12.	Enrollment	Male			Female			Male			Female		

TERMOB Applicability

13. TERMOB Numbers														

Table 2.1 (Cont'd) Enrollment In Final Grade by Student Group

	4				5				6						
1.															
2.	103				104				105						
3.															
4.															
5.															
6.															
7.	<		2	3	4	<		2	3	4	<		2	3	4
8.	Yes	No			Yes	No			Yes	No					
9.	Yes	No			Yes	No			Yes	No					
10.	Yes	No			Yes	No			Yes	No					
11.															
12.	Male		Female		Male		Female		Male		Female				

TERMOB Applicability

13.															

Misoe Number

Table 2.1 Enrollment In Final Grade by Student Group & Terminal Objective (TERMOB)

		7					8					9									
1.	Grade																				
2.	Student Group Name and Number	106										107									
3.	USOE Code(s)																				
4.	Level Code																				
5.	Type Code																				
6.	Session Code																				
7.	Program Length (Years)	<	1	2	3	4	<	1	2	3	4										
8.	Cooperative	Yes No					Yes No														
9.	Workstudy	Yes No					Yes No														
10.	Exploratory	Yes No					Yes No														
11.	Instructors and Teacher's Aides																				
		A. Full Time																			
		B. Percentage of Time																			
12.	Enrollment	Male					Female					Male					Female				

TERMOB Applicability

13. TERMOB Numbers																				

Table 2.1 (Cont'd) Enrollment In Final Grade by Student Group and Terminal Objectives (TERMOBS)

	10					11					12				
1.															
2.															
3.	108					109					110				
4.															
5.															
6.															
7.	<1	1	2	3	4	<1	1	2	3	4	<1	1	2	3	4
8.	Yes		No			Yes		No			Yes		No		
9.	Yes		No			Yes		No			Yes		No		
10.	Yes		No			Yes		No			Yes		No		
11.															
12.	Male		Female			Male		Female			Male		Female		

TERMOB Applicability

13.															

Table 2.11 (Cont'd) Enrollment in Lower Grades by Student Group

7 8 9 10 11

1. Grade	8				9				10				11							
Student Group Name and Number	206				207				208				209							
3. USOE Code(s)																				
4. Level Code																				
5. Type Code																				
6. Session Code																				
7. Program Length (Years)	<1	1	2	3	4	<1	1	2	3	4	<1	1	2	3	4	<1	1	2	3	4
8. Cooperative	Yes	No	No	No	No	Yes	No	No	No	No	Yes	No	No	No	No	Yes	No	No	No	No
9. Workstudy	Yes	No	No	No	No	Yes	No	No	No	No	Yes	No	No	No	No	Yes	No	No	No	No
10. Exploratory	Yes	No	No	No	No	Yes	No	No	No	No	Yes	No	No	No	No	Yes	No	No	No	No
11. Instructors and Teacher's Aides																				
A. Full Time																				
B. Percentage of Time	Male	Female																		
12. Enrollment																				

Table 2.11 Enrollment in Lower Grades by Student Group (Cont'd)

Misc Number

	14				15				16				17				18			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Years)	<1	1	2	3	4	<1	1	2	3	4	<1	1	2	3	4	<1	1	2	3	4
	Yes	No	No	No	No	Yes	No	No	No	No	Yes	No	No	No	No	Yes	No	No	No	No
	Yes	No	No	No	No	Yes	No	No	No	No	Yes	No	No	No	No	Yes	No	No	No	No
	Yes	No	No	No	No	Yes	No	No	No	No	Yes	No	No	No	No	Yes	No	No	No	No
Time																				
Time																				
	Male	Female	Male	Female	Male	Male	Female	Male	Female	Male	Male	Female	Male	Female	Male	Male	Female	Male	Female	Female

Table 2.11 Enrollment in Lower Grades by Student Group (Cont'd)

	13	14	15	16	17
1. Grade					
2. Student Group Name and Number	211	212	213	214	
3. USOE Code(s)					
4. Level Code					
5. Type Code					
6. Session Code					
7. Program Length (Years)	<1 1 2 3 4	<1 1 2 3 4	<1 1 2 3 4	<1 1 2 3 4	<1 1 2 3 4
8. Cooperative	Yes No				
9. Workstudy	Yes No				
10. Exploratory	Yes No				
11. Instructors and Teacher's Aides					
A. Full Time					
B. Percentage of Time					
12. Enrollment	Male Female				

Table 2.11 Enrollment in Lower Grades by Student Group (Cont'd)

20

21

22

23

24

Misoe Number

	20				21				22				23				24			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
216																				
217																				
218																				
219																				
220																				
Years)	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
	Yes	No	No	No																
	Yes	No	No	No																
	Yes	No	No	No																
Time																				
Time																				
	Male		Female		Male		Female		Male		Female		Male		Female		Male		Female	

Table 2.11 Enrollment in Lower Grades by Student Group (Cont'd)

19 20 21 22 23

1. Grade	20	21	22	23
Student Group Name and Number	216	217	218	219
3. USOE Code(s)				
4. Level Code				
5. Type Code				
6. Session Code				
7. Program Length (Years)	1 2 3 4	1 2 3 4	1 2 3 4	1 2 3 4
8. Cooperative	Yes No	Yes No	Yes No	Yes No
9. Workstudy	Yes No	Yes No	Yes No	Yes No
10. Exploratory	Yes No	Yes No	Yes No	Yes No
11. Instructors and Teacher's Aides	A. Full Time			
	B. Percentage of Time			
12. Enrollment	Male	Male	Male	Male
	Female	Female	Female	Female

Table 2.2 Utilization of Student Class Time: Final Grade

	1	2	3	4	5	6	7	8	9
1. Student Group Number		101	102	103	104	105	106	107	108
2. Grade									
3. USOE Code(s)									
4. In Occupational Shop/Lab Area(s)									
5. In Occupational Related Area(s)									
6. Total Occupational Time (Lines 4 + 5)									
7. In Nonoccupational Areas									
8. Total All Areas (Lines 6 + 7)									
9. Length of Grade Session (weeks)									
10. Schedule Variation									
Additional Notes Necessary to Explain Lines 4 through 10									

Table 2.2 Utilization of Student Class Time (Cont'd): Final Grade

	12	13	14	15	16	17	18	19	20
1. Student Group Number		111	112	113	114	115	116	117	118
2. Grade									
3. USOE Code(s)									
4. In Occupational Shop/Lab Area(s)									
5. In Occupational Related Area(s)									
6. Total Occupational Time (Lines 4+ 5)									
7. In Nonoccupational Areas									
8. Total All Areas (Lines 6 + 7)									
9. Length of Grade Session (weeks)									
10. Schedule Variation									
Additional Notes Necessary to Explain Lines 4 through 10									

Table 2.21 Utilization of Student Class Time: Lower Grade

	1	2	3	4	5	6	7	8	9
1. Student Group Number		201	202	203	204	205	206	207	208
2. Grade									
3. USOE Code(s)									
4. In Occupational Shop/Lab Area(s)									
5. In Occupational Related Area(s)									
6. Total Occupational Time (Lines 4 + 5)									
7. In Nonoccupational Areas									
8. Total All Areas (Lines 6 + 7)									
9. Length of Grade Session (Weeks)									
10. Schedule Variation									
11. Additional Notes Necessary to Explain Lines 4 through 10									

Table 2.21 (Cont'd) Utilization of Student Class Time: Lower Grade

	12	13	14	15	16	17	18	19	20
1. Student Group Number		211	212	213	214	215	216	217	218
2. Grade									
3. USOE Code(s)									
4. In Occupational Shop/Lab Area(s)									
5. In Occupational Related Area(s)									
6. Total Occupational Time (Lines 4 + 5)									
7. In Nonoccupational Areas									
8. Total All Areas (Lines 6 + 7)									
9. Length of Grade Session (Weeks)									
10. Schedule Variation									
11. Additional Notes Necessary to Explain Lines 4 through 10									

Misoe Number _____

Table 2.3 Utilization of Departmental Instructional Area by Rooms

Check Applicable Program Schedule

1. a. Weekly
 b. Alternating
 c. Variable

2. a. Semester Schedule Change
 b. No Semester Schedule Change

WEEKLY OR SCHEDULE A									
1		2		3		4		5	
Room	Day	Morning		Afternoon		Evening			
No. or Name	of the Week	7:00 a.m.-12:00N		12:00N-6:00 p.m.		6:00 p.m.-11:00 p.m.			
		No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.		
1A	Mon.								
	Tues.								
	Wed.								
	Thurs.								
	Fri.								
LS C	Sat.								
TOTALS									
2A	Mon.								
	Tues.								
	Wed.								
	Thurs.								
	Fri.								
LS C	Sat.								
TOTALS									
3A	Mon.								
	Tues.								
	Wed.								
	Thurs.								
	Fri.								
LS C	Sat.								
TOTALS									
4A	Mon.								
	Tues.								
	Wed.								
	Thurs.								
	Fri.								
LS C	Sat.								
TOTALS									
5A	Mon.								
	Tues.								

WEEKLY OR SCHEDULE A

		3		4		5	
Room	Day	Morning		Afternoon		Evening	
No. or of the Name	of the Week	7:00 a.m.-12:00N		12:00N-6:00 p.m.		6:00 p.m.-11:00 p.m.	
		No. of Hrs.Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.
1A	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
2A	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
3A	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
4A	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
5A	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							

Table 2.3 (Cont'd) Utilization of Departmental Instructional Area by Rooms

Check Applicable Program Schedule

- 1. a. Weekly
- b. Alternating
- c. Variable

- 2. a. Semester Schedule Change
- b. No Semester Schedule Change

WEEKLY OR SCHEDULE B							
		8		9		10	
Room	Day	Morning		Afternoon		Evening	
No. or	of the	7:00 a.m.-12:00N		12:00N-6:00 p.m.		6:00 p.m.-11:00 p.m.	
Name	Week	No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.
1 B	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
2 B	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
3 B	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
4 B	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
TOTALS							
5 B	Mon.						

WEEKLY OR SCHEDULE B

		8		9		10	
Room	Day	Morning		Afternoon		Evening	
No. or of the		7:00 a.m.-12:00N		12:00N-6:00 p.m.		6:00 p.m.-11:00 p.m.	
Name	Week	No. of Hrs. Used*	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.
1 B	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
2 B	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
3 B	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
4 B	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
5 B	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							

Missouri Number

Table 2.3 (Cont'd) Utilization of Departmental Instructional Area by Room

Check Applicable Program Schedule

- 1. a. Weekly
- b. Alternating
- c. Variable

- 2. a. Semester Schedule Change
- b. No Semester Schedule Change

WEEKLY OR SCHEDULE A											
		11		12		13		14		15	
Room No. or Name	Day of the Week	Morning 7:00 a.m.-12:00N		Afternoon 12:00N-6:00 p.m.		Evening 6:00 p.m.-11:00 p.m.					
		No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.				
		6A	Mon.								
	Tues.										
	Wed.										
	Thurs.										
	Fri.										
LS C	Sat.										
TOTALS											
7A	Mon.										
	Tues.										
	Wed.										
	Thurs.										
	Fri.										
LS C	Sat.										
TOTALS											
8A	Mon.										
	Tues.										
	Wed.										
	Thurs.										
	Fri.										
LS C	Sat.										
TOTALS											
9A	Mon.										
	Tues.										
	Wed.										
	Thurs.										
	Fri.										
LS C	Sat.										
TOTALS											
	Mon.										

WEEKLY OR SCHEDULE A

		11	12	13	14	15	
Room No. or Name	Day of the Week	Morning		Afternoon		Evening	
		7:00 a.m.-12:00N		12:00N-6:00 p.m.		6:00 p.m.-11:00 p.m.	
		No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.
6A	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
7A	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
8A	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
9A	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
10A	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							

Table 2.3 (Cont'd) Utilization of Departmental Instructional Area by Room

Check Applicable Program Schedule

1. a. Weekly
 b. Alternating
 c. Variable
2. a. Semester Schedule Change
 b. No Semester Schedule Change

WEEKLY OR SCHEDULE B											
		16		17		18		19		20	
Room	Day	Morning		Afternoon		Evening					
No. or	of the	7:00 a.m.-12:00N		12:00N-6:00 p.m.		6:00 p.m.-11:00 p.m.					
Name	Week	No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.
6B	Mon.										
	Tues.										
	Wed.										
	Thurs.										
	Fri.										
LS C	Sat.										
TOTALS											
7B	Mon.										
	Tues.										
	Wed.										
	Thurs.										
	Fri.										
LS C	Sat.										
TOTALS											
8B	Mon.										
	Tues.										
	Wed.										
	Thurs.										
	Fri.										
LS C	Sat.										
TOTALS											
9B	Mon.										
	Tues.										
	Wed.										
	Thurs.										
	Fri.										
LS C	Sat.										
TOTALS											
10B	Mon.										

WEEKLY OR SCHEDULE B

		16	17	18	19	20	
Room No. or Name	Day of the Week	Morning 7:00 a.m.-12:00N		Afternoon 12:00N-6:00 p.m.		Evening 6:00 p.m.-11:00 p.m.	
		No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.
		6B	Mon.				
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
7B	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
8B	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
9B	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
10B	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							

Table 2.3 (Cont'd) Utilization of Departmental Instructional Area by Room

Check Applicable Program Schedule

1. a. Weekly
 b. Alternating
 c. Variable
2. a. Semester Schedule Change
 b. No Semester Schedule Change

WEEKLY OR SCHEDULE A											
		21		22		23		24		25	
Room	Day	Morning		Afternoon		Evening					
No. of	of the	7:00 a.m.-12:00N		12:00N-6:00 p.m.		6:00 p.m.-11:00 p.m.					
Name	Week	No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.
11A	Mon.										
	Tues.										
	Wed.										
	Thurs.										
	Fri.										
LS C	Sat.										
TOTALS											
12A	Mon.										
	Tues.										
	Wed.										
	Thurs.										
	Fri.										
LS C	Sat.										
TOTALS											
13A	Mon.										
	Tues.										
	Wed.										
	Thurs.										
	Fri.										
LS C	Sat.										
TOTALS											
14A	Mon.										
	Tues.										
	Wed.										
	Thurs.										
	Fri.										
LS C	Sat.										
TOTALS											
	Mon.										

WEEKLY OR SCHEDULE A

		21	22	23	24	25	
Room No. or Name	Day of the Week	Morning 7:00 a.m.-12:00N		Afternoon 12:00N-6:00 p.m.		Evening 6:00 p.m.-11:00 p.m.	
		No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.
		11A	Mon.				
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
12A	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
13A	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
14A	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
15A	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							

Table 2.3 (Cont'd) Utilization of Departmental Instructional Area by Room

Check Applicable Program Schedule

- 1. a. Weekly
- b. Alternating
- c. Variable
- 2. a. Semester Schedule Change
- b. No Semester Schedule Change

WEEKLY OR SCHEDULE B											
		26		27		28		29		30	
Room No. or Name	Day of the Week	Morning		Afternoon		Evening					
		7:00 a.m.-12:00N		12:00N-6:00 p.m.		6:00 p.m.-11:00 p.m.					
		No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.		
11B	Mon.										
	Tues.										
	Wed.										
	Thurs.										
	Fri.										
LS C	Sat.										
TOTALS											
12B	Mon.										
	Tues.										
	Wed.										
	Thurs.										
	Fri.										
LS C	Sat.										
TOTALS											
13B	Mon.										
	Tues.										
	Wed.										
	Thurs.										
	Fri.										
LS C	Sat.										
TOTALS											
14B	Mon.										
	Tues.										
	Wed.										
	Thurs.										
	Fri.										
LS C	Sat.										
TOTALS											
LS	15B	Mon.									

WEEKLY OR SCHEDULE B

		26	27	28		29		30
Room No. or Name	Day of the Week	Morning 7:00 a.m.-12:00N		Afternoon 12:00N-6:00 p.m.		Evening 6:00 p.m.-11:00 p.m.		
		No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.	
		11B	Mon.					
	Tues.							
	Wed.							
	Thurs.							
	Fri.							
LS C	Sat.							
TOTALS								
12B	Mon.							
	Tues.							
	Wed.							
	Thurs.							
	Fri.							
LS C	Sat.							
TOTALS								
13B	Mon.							
	Tues.							
	Wed.							
	Thurs.							
	Fri.							
LS C	Sat.							
TOTALS								
14B	Mon.							
	Tues.							
	Wed.							
	Thurs.							
	Fri.							
LS C	Sat.							
TOTALS								
15B	Mon.							
	Tues.							
	Wed.							
	Thurs.							
	Fri.							
LS C	Sat.							
TOTALS								

Misoe Number

Table 2.3 Utilization of Departmental Instructional Area By Room

Check Applicable Program Schedule

- 1. a. Weekly
- b. Alternating
- c. Variable

- 2. a. Semester Schedule Change
- b. No Semester Schedule Change

WEEKLY OR SCHEDULE A											
		31		32		33		34		35	
Room No. or Name	Day of the Week	Morning 7:00 a.m.-12:00N		Afternoon 12:00N-6:00 p.m.		Evening 6:00 P.M.-11:00 p.m.					
		No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.		
16A	Mon.										
	Tues.										
	Wed.										
	Thurs.										
	Fri.										
LS C	Sat.										
TOTALS											
17A	Mon.										
	Tues.										
	Wed.										
	Thurs.										
	Fri.										
LS C	Sat.										
TOTALS											
18A	Mon.										
	Tues.										
	Wed.										
	Thurs.										
	Fri.										
LS C	Sat.										
TOTALS											
19A	Mon.										
	Tues.										
	Wed.										
	Thurs.										
	Fri.										
LS C	Sat.										

1. a. Weekly
 b. Alternating
 c. Variable

2. a. Semester Schedule Change
 b. No Semester Schedule Change

WEEKLY OR SCHEDULE A

		31	32	33	34	35	
Room No. or Name	Day of the Week	Morning 7:00 a.m.-12:00N		Afternoon 12:00N-6:00 p.m.		Evening 6:00 P.M.-11:00 p.m.	
		No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.
		16A	Mon.				
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
17A	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
18A	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
19A	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
20A	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							

Table 2.3 (Cont'd) Utilization of Departmental Instructional Area by Room

Check Applicable Program Schedule

1. a. Weekly
 b. Alternating
 c. Variable

2. a. Semester Schedule Change
 b. No Semester Schedule Change

WEEKLY OR SCHEDULE B									
36		37		38		39		40	
Room	Day	Morning		Afternoon		Evening			
No. or	of the	7:00 a.m.-12:00N		12:00N-6:00 p.m.		6:00 p.m.-11:00 p.m.			
Name	Week	No. of Hrs.Used	No. of Stud. Hrs	No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.		
16B	Mon.								
	Tues.								
	Wed.								
	Thurs.								
	Fri.								
LS C	Sat.								
TOTALS									
17B	Mon.								
	Tues.								
	Wed.								
	Thurs.								
	Fri.								
LS C	Sat.								
TOTALS									
18B	Mon.								
	Tues.								
	Wed.								
	Thurs.								
	Fri.								
LS C	Sat.								
TOTALS									
19B	Mon.								
	Tues.								
	Wed.								
	Thurs.								
	Fri.								
LS C	Sat.								
TOTALS									
20B	Mon.								
	Tues.								
	Wed.								
	Thurs.								

WEEKLY OR SCHEDULE B

		36	37	38	39	40	
Room No. or Name	Day of the Week	Morning 7:00 a.m.-12:00N		Afternoon 12:00N-6:00 p.m.		Evening 6:00 p.m.-11:00 p.m.	
		No. of Hrs. Used	No. of Stud. Hrs	No. of Hrs. Used	No. of Stud. Hrs.	No. of Hrs. Used	No. of Stud. Hrs.
		16B	Mon.				
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
17B	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
18B	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
19B	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							
20B	Mon.						
	Tues.						
	Wed.						
	Thurs.						
	Fri.						
LS C	Sat.						
TOTALS							

REPORTING TERMINAL PERFORMANCE OBJECTIVES (TERMOBS)

TABLE T-1 INSTRUCTIONAL DIVISION AND UNIT OUTLINE

MACHINE SHOP PROGRAM

DOES THIS OUTLINE CONTAIN ALL OF THE INSTRUCTIONAL CONTENT OF YOUR PROGRAM: YES ___ NO ___

CODE	DIVISION	CODE	UNIT
01	LATHE	01	TURNING (STRAIGHT)
		02	FACING
		03	FILING
		04	POLISHING
		05	CENTER DRILLING
		06	DRILLING
		07	REAMING
		08	TURNING (SHOULDER)
		09	KNURLING
		10	NECKING
		11	RECESSING
		12	BORING
		13	CHAMFER
		14	CUT-OFF
		15	COLLETS
		16	UNIVERSAL CHUCK
		17	INDEPENDENT CHUCK
		18	STEADY REST
		19	FOLLOWER REST
		20	FACE PLATE
		21	FORM
		22	TURNING (TAPER)
		23	THREADING (EXTERNAL)
		24	THREADING (INTERNAL)
		25	TOOL POST GRINDER
		26	TECHNOLOGY
		27	LAPPING
		28	SAFETY
02	MILLING MACHINE	01	BORING
		02	DRILLING
		03	REAMING
		04	TAPPING
		05	MILLING, PLAIN
		06	MILLING, STRADDLE
		07	MILLING, SLOT
		08	MILLING, FACE
		09	MILLING, FORM
		10	INDEXING, RAPID
		11	INDEXING, SIMPLE
		12	INDEXING, DIFFERENTIAL
		13	ROTARY TABLE
		14	SET-UP, INDICATE
		15	SET-UP, EDGE FINDER
		16	SET-UP, ANGULAR
		17	TECHNOLOGY
		18	SAFETY
03	DRILL PRESS	01	CENTER DRILL
		02	COUNTERBORE
		03	COUNTERSINK
		04	DRILL
		05	POLISH
		06	REAM

		07	REAMING
		08	TURNING (SHOULDER)
		09	KNURLING
		10	NECKING
		11	RECESSING
		12	BORING
		13	CHAMFER
		14	CUT-OFF
		15	COLLETS
		16	UNIVERSAL CHUCK
		17	INDEPENDENT CHUCK
		18	STEADY REST
		19	FOLLOWER REST
		20	FACE PLATE
		21	FORM
		22	TURNING (TAPER)
		23	THREADING (EXTERNAL)
		24	THREADING (INTERNAL)
		25	TOOL POST GRINDER
		26	TECHNOLOGY
		27	LAPPING
		28	SAFETY
02	MILLING MACHINE	01	BORING
		02	DRILLING
		03	REAMING
		04	TAPPING
		05	MILLING, PLAIN
		06	MILLING, STRADDLE
		07	MILLING, SLOT
		08	MILLING, FACE
		09	MILLING, FORM
		10	INDEXING, RAPID
		11	INDEXING, SIMPLE
		12	INDEXING, DIFFERENTIAL
		13	ROTARY TABLE
		14	SET-UP, INDICATE
		15	SET-UP, EDGE FINDER
		16	SET-UP, ANGULAR
		17	TECHNOLOGY
		18	SAFETY
03	DRILL PRESS	01	CENTER DRILL
		02	COUNTERBORE
		03	COUNTERSINK
		04	DRILL
		05	POLISH
		06	REAM
		07	TAP
		08	TECHNOLOGY
		09	LAPPING
		10	SAFETY
04	POWER SAW	01	SAWING
		02	BLADE TECHNOLOGY
		03	FILE
		04	SAFETY
05	SHAPER/PLANER	01	SHAPING
		02	TECHNOLOGY
		03	SAFETY

INSTRUCTIONAL DIVISION AND UNIT OUTLINE

MACHINE SHOP PROGRAM

CODE	DIVISION	CODE	UNIT
06	NUMERICAL CONTROL	01	PROGRAMMING
		02	TAPE PREPARATION
		03	NC MACHINE OPERATION
07	BENCH WORK	01	DOWEL
		02	DRILL, PORTABLE
		03	EASY-OUT
		04	FILE
		05	HACKSAW
		06	HOLE TRANSFER
		07	LAPPING
		08	PEENING
		09	SCRIBE
		10	SIMPLE ASSEMBLY
		11	SIMPLE LAYOUT
		12	STAMPING
		13	THREADING
		14	REAM
		15	CHISEL
		16	FASTENERS
		17	SCRAPING
		18	HAND TOOLS
		19	POLISHING
		20	TECHNOLOGY
		21	SAFETY
08	MEASURING/INSPECTION	01	MEASURING TOOLS
		02	INSPECTION TOOLS
09	HEAT TREATMENT	01	ANNEAL
		02	DEEP HARDENING
		03	CASE HARDENING
		04	TECHNOLOGY
		05	SAFETY
10	SPECIALIZATION	01	EDM
		02	DI-ARCO BENDER
		03	HONE
		04	JIG BORER
		05	MAINTENANCE
		06	PUNCH PRESS
		07	TRU-TRACE MILLER
		08	TURRET LATHE
		09	WELDING
		10	TOOL CRIB
		11	BELT SANDER
		12	TRU-TRACE DRILL PRESS
		13	TRU-TRACE LATHE
		14	RADIAL DRILL
11	GRINDING	01	CYLINDRICAL
		02	TOOL AND CUTTER
		03	SURFACE
		04	PEDESTAL
		05	TECHNOLOGY

		03	EAST-001
		04	FILE
		05	HACKSAW
		06	HOLE TRANSFER
		07	LAPPING
		08	PEENING
		09	SCRIBE
		10	SIMPLE ASSEMBLY
		11	SIMPLE LAYOUT
		12	STAMPING
		13	THREADING
		14	REAM
		15	CHISEL
		16	FASTENERS
		17	SCRAPING
		18	HAND TOOLS
		19	POLISHING
		20	TECHNOLOGY
		21	SAFETY
08	MEASURING/INSPECTION	01	MEASURING TOOLS
		02	INSPECTION TOOLS
09	HEAT TREATMENT	01	ANNEAL
		02	DEEP HARDENING
		03	CASE HARDENING
		04	TECHNOLOGY
		05	SAFETY
10	SPECIALIZATION	01	EDM
		02	DI-ARCO BENDER
		03	HONE
		04	JIG BORER
		05	MAINTENANCE
		06	PUNCH PRESS
		07	TRU-TRACE MILLER
		08	TURRET LATHE
		09	WELDING
		10	TOOL CRIB
		11	BELT SANDER
		12	TRU-TRACE DRILL PRESS
		13	TRU-TRACE LATHE
		14	RADIAL DRILL
11	GRINDING	01	CYLINDRICAL
		02	TOOL AND CUTTER
		03	SURFACE
		04	PEDESTAL
		05	TECHNOLOGY
		06	SAFETY
12	SHOP MATH	01	COMMON FRACTIONS
		02	DECIMAL FRACTIONS
		03	SQUARE ROOT
		04	ALGEBRA
		05	LOGARITHMS
		06	GEOMETRY
		07	TRIGONOMETRY

INSTRUCTIONAL DIVISION AND UNIT OUTLINE

MACHINE SHOP PROGRAM

CODE	DIVISION	CODE	UNIT
13	BLUE PRINT READING	01	ONE VIEW DRAWING
		02	TWO VIEW DRAWING
		03	THREE VIEW DRAWING
		04	AUXILIARY DRAWING
		05	SECTION DRAWING
		06	ASSEMBLY DRAWING
		07	ISOMETRIC DRAWING
14	TECHNICAL DRAWING	01	ONE VIEW DRAWING
		02	TWO VIEW DRAWING
		03	THREE VIEW DRAWING
		04	AUXILIARY DRAWING
		05	SECTION DRAWING
		06	ASSEMBLY DRAWING
		07	ISOMETRIC DRAWING

TABLE T-1A ADDITIONAL INSTRUCTIONAL DIVISIONS AND UNITS

CODE	DIVISION	CODE	UNIT
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TABLE T-2 TERMOB DIVISION AND UNIT OUTLINE

MACHINE SHOP PROGRAM

DOES THIS OUTLINE CONTAIN ALL TOPICS IN WHICH GRADUATES ACQUIRE
JOB-ENTRY SKILLS: YES _____ NO _____

CODE	DIVISION	CODE	UNIT
01	BENCH WORK	01	FILING
		02	POLISHING
		03	LAYOUT
		04	ASSEMBLY
		05	DRILL PRESS
02	HEAT TREATMENT	01	ANNEAL
		02	HARDEN
		03	TEMPER
03	MACHINES	01	LATHE
		02	MILLING
		03	GRINDING
		04	SPECIAL
		05	PROJECTS
		06	SHAPER-PLANER
04	INSPECTION	01	COMPARATOR
		02	HARDNESS TESTER
		03	HAND MEASUREMENT
		04	INDICATORS
		05	THREAD MEASUREMENT

TABLE T-2A ADDITIONAL TERMOB DIVISIONS AND UNITS

CODE	DIVISION	CODE	UNIT
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TERMINAL PERFORMANCE OBJECTIVES (TERMOBS)
AND
REPORTING FORMS

54

MISOE NO. _____

PROGRAM	<u>MACHINE SHOP</u>	DIVISION	01	<u>BENCH WORK</u>
		UNIT	01	<u>FILING</u>
		TERMOB NO.		<u>16-001</u>

1.00 CONDITION

- 1.01 BLUEPRINT OF ONE INCH CUBE
- 1.02 ALUMINUM MILLED TO ONE INCH CUBE
- 1.03 STEEL MILLED TO ONE INCH CUBE
- 1.04 NYLON MILLED TO ONE INCH CUBE
- 1.05 HIGH MOLECULAR WEIGHT POLYETHYLENE MILLED TO ONE INCH CUBE
- 1.06 BASIC MACHINIST'S TOOLS (TABLE T-3)
- 1.07 BELT GRINDER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
 2.01 DEBURR EDGES OF CUBE EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 FILE EDGES
- 2.03 GRIND EDGES

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
 3.01 CUBE IS DEBURRED WITH NO SHARP EDGES TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 10 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 SHARP EDGES ARE REMOVED WITH NO VISIBLE CHAMFER
- 3.03 SHARP EDGES ARE REMOVED WITH NO VISIBLE CHAMFER

MISOE NO. _____

PROGRAM MACHINE SHOP
USOE CODE NO(S) _____

DIVISION 01 BENCH WORK
UNIT 01 FILING
TERMOB NO. 16-001

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

MISOE NO. _____

PROGRAM

MACHINE SHOP

DIVISION 01

BENCH WORK

UNIT 01

FILING

TERMOB NO.

16-002

1.00 - CONDITION

- 1.01 BLUEPRINT OF ANGLE PLATE
- 1.02 ANGLE PLATE WITH TWO DRILLED 3/4 INCH HOLES
- 1.03 BASIC MACHINIST'S TOOLS (TABLE T-3)
- 1.04 THREE EDGED CUTTER
- 1.05 BELT GRINDER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 DEBURR ANGLE PLATE EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 FILE EDGES
- 2.03 GRIND EDGES
- 2.04 DEBURR HOLES

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 ANGLE PLATE IS DEBURRED WITH NO SHARP EDGES TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 10 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 SHARP EDGES ARE REMOVED WITH NO VISIBLE CHAMFER
- 3.03 SHARP EDGES ARE REMOVED WITH NO VISIBLE CHAMFER
- 3.04 SHARP EDGES ARE REMOVED; CHAMFER NO LARGER THAN .015

MISOE NO. _____

PROGRAM MACHINE SHOP
USOE CODE NO(S) _____

DIVISION 01 BENCH WORK
UNIT 01 FILING
TERMOB NO. 16-002

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME



MISOE NO. _____

PROGRAM	<u>MACHINE SHOP</u>	DIVISION	01	<u>BENCH WORK</u>
		UNIT	02	<u>POLISH</u>
		TERMOB NO.		<u>16-003</u>

1.00 CONDITION

- 1.01 BLUEPRINT OF A GAGE BLOCK
- 1.02 MACHINED GAUGE BLOCK
- 1.03 POLISHING COMPOUNDS
- 1.04 BUFFERS
- 1.05 DRILL PRESS
- 1.06 LATHE
- 1.07 PEDESTAL GRINDER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
 2.01 POLISH GAUGE BLOCK AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SECURE GAUGE BLOCK
- 2.03 SELECT COMPOUND
- 2.04 POLISH ALL OVER

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
 3.01 GAUGE BLOCK IS POLISHED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 30 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 GAUGE BLOCK DOES NOT MOVE UNDER WORKING PRESSURE
- 3.03 CORRECT COMPOUND SELECTED FOR DESIRED FINISH
- 3.04 TO FINISH SPECIFIED IN BLUEPRINT

MISOE NO. _____

PROGRAM
USOE CODE NO(S) MACHINE SHOP

DIVISION 01 BENCH WORK
UNIT 02 POLISH
TERMOB. NO. 16-003

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

WISOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 01 BENCH WORK

UNIT 02 POLISH

TERMOB NO. 16-063

1.00 CONDITION

- 1.01 BLUEPRINT OF GAUGE BLOCK
- 1.02 MACHINED GAUGE BLOCK
- 1.03 LAPPING COMPOUNDS
- 1.04 LATHE
- 1.05 DRILL PRESS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 LAP GAUGE BLOCK AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SECURE GAUGE BLOCK
- 2.03 SELECT COMPOUND
- 2.04 LAP GAUGE BLOCK

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 GAUGE BLOCK IS LAPPED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 GAUGE BLOCK DOES NOT MOVE UNDER WORKING PRESSURE
- 3.03 CORRECT GRIT SIZE AND COMPOSITION SELECTED
- 3.04 TO $\pm .0001$

MISOE NO. _____

PROGRAM
USOE CODE(s) MACHINE SHOP

DIVISION 01 BENCH WORK
UNIT 02 POLISH
TERMOB NO. 16-063

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

ISSUE NO. _____

PROGRAM MACHINE SHOP

DIVISION 01 BENCH WORK

UNIT 03 LAYOUT

TERMOB NO. 16-059

1.00 CONDITION

- 1.01 BLUEPRINT OF AN ANGLE IRON PLATE
- 1.02 REQUIRED STOCK, MACHINED TO ROUGH OUTSIDE DIMENSIONS
- 1.03 SURFACE PLATE
- 1.04 VERNIER HEIGHT GAUGE
- 1.05 BLUE DYEKEM
- 1.06 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 LAY OUT ANGLE IRON PLATE AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 PAINT ROUGHED OUT BLOCK
- 2.03 SET HEIGHT GAUGE
- 2.04 SCRIBE LAYOUT LINES

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 ANGLE IRON PLATE IS LAID OUT TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 20 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 EVENLY ON FOUR SIDES
- 3.03 TO \pm .005
- 3.04 TO \pm .005

MISOE NO. _____

PROGRAM MACHINE SHOP
USOE CODE(S) _____

DIVISION 01 BENCH WORK
UNIT 03 LAYOUT
TERMOB NO. 16-059

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

MISOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 01 BENCH WORK

UNIT 04 ASSEMBLY

TERMOB NO. 16-060

1.00 CONDITION

- 1.01 ASSEMBLY DRAWING OF A BENCH VISE
- 1.02 MACHINED, HARDENED AND GROUND PARTS OF A BENCH VISE
- 1.03 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 ASSEMBLE BENCH VISE EMPLOYING THE FOLLOWING OPERATIONS:
- 2.02 TAKE INVENTORY OF PARTS
- 2.03 ASSEMBLE ALL SUB-ASSEMBLIES
- 2.04 ASSEMBLE SUB-ASSEMBLIES TOGETHER
- 2.05 CHECK MOVING PARTS

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 BENCH VISE IS ASSEMBLED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN ONE HOUR WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.
- 3.02 ALL PARTS PRESENT
- 3.03 PARTS PROPERLY ALIGNED
- 3.04 SUB-ASSEMBLIES PROPERLY ALIGNED
- 3.05 VISE OPERATES PROPERLY

MISOE NO. _____

PROGRAM MACHINE SHOP
USOE CODE(s) _____

DIVISION 01
UNIT 04
TERMOB NO.

BENCH WORK
ASSEMBLY
16-060

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

ISSUE NO. _____

PROGRAM MACHINE SHOP

DIVISION 01 BENCH WORK

UNIT 04 ASSEMBLY

TERMOB NO. 16-061

1.00 CONDITION

- 1.01 ASSEMBLY DRAWING OF A TAP WRENCH
- 1.02 MACHINED, HARDENED AND GROUND PARTS OF A TAP WRENCH
- 1.03 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 ASSEMBLE TAP WRENCH EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 TAKE INVENTORY OF PARTS
- 2.03 ASSEMBLE ALL SUB-ASSEMBLIES
- 2.04 ASSEMBLE SUB-ASSEMBLIES TOGETHER
- 2.05 CHECK MOVING PARTS

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 TAP WRENCH IS ASSEMBLED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 30 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 ALL PARTS PRESENT
- 3.03 PARTS PROPERLY ALIGNED
- 3.04 SUB-ASSEMBLIES PROPERLY ALIGNED
- 3.05 TAP WRENCH OPERATES PROPERLY

MISOE NO. _____

PROGRAM MACHINE SHOP
USOE CODE(s) _____

DIVISION 01 BENCH WORK
UNIT 04 ASSEMBLY
TERMOB NO. 16-061

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

ISOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 01 BENCH WORK

UNIT 05 DRILL PRESS

TERMOB NO. 16-064

1.00 CONDITION

- 1.01 BLUEPRINT OF A MACHINIST'S VISE JAW
- 1.02 MACHINED AND DRILLED MACHINIST'S VISE JAW
- 1.03 DRILL PRESS
- 1.04 TAPPING ATTACHMENT
- 1.05 BASIC MACHINIST'S HAND TOOLS (TABLE T-3)
- 1.06 TAPPING FLUID

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 TAP HOLE IN MACHINIST'S VISE JAW AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT TAP
- 2.03 SET JAW IN VISE
- 2.04 COUNTERSINK HOLE
- 2.05 TAP HOLE

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 HOLE IS TAPPED IN MACHINIST'S VISE JAW TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 15 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 CORRECT TAP SIZE SELECTED
- 3.03 SECURELY, AT PROPER ANGLE, WITHOUT DAMAGING PIECE
- 3.04 TO OUTSIDE DIMENSION OF TAP
- 3.05 THREADS ARE CLEAN AND STRAIGHT

MISOE NO. _____

PROGRAM MACHINE SHOP
USOE CODE(S) _____

DIVISION 01 BENCH WORK
UNIT 05 DRILL PRESS
TERMOB NO. 16-064

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

ALSOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 01 BENCH WORK

UNIT 05 DRILL PRESS

TERMOB NO. 16-065

1.00 CONDITION

- 1.01 BLUEPRINT OF A MACHINIST'S VISE JAW
- 1.02 MACHINED AND CENTER DRILLED MACHINIST'S VISE JAW
- 1.03 DRILL PRESS
- 1.04 BASIC MACHINIST'S HAND TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 DRILL HOLE IN MACHINIST'S VISE JAW AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT DRILL
- 2.03 SET JAW IN VISE
- 2.04 DRILL HOLE

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 HOLE IS DRILLED IN MACHINIST'S VISE JAW TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 10 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 CORRECT DRILL SIZE SELECTED
- 3.03 SECURELY, AT PROPER ANGLE, WITHOUT DAMAGING PIECE
- 3.04 TO \pm .005 ON SIZE

MISOE NO. _____

PROGRAM
USOE CODE(S) MACHINE. SHOP

DIVISION 01 BENCH WORK
UNIT 05 DRILL PRESS
TERMOB NO. 16-065

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

MSOE NO. _____

PROGRAM

MACHINE SHOP

DIVISION 02

HEAT TREATMENT

UNIT 01

ANNEAL

TERMOB NO.

16-004

1.00 CONDITION

- 1.01 MACHINE AND HARDENED ANGLE PLATE
- 1.02 BASIC MACHINIST'S TOOLS (TABLE T-3)
- 1.03 HEAT TREATMENT TABLES
- 1.04 FURNACE
- 1.05 CERTIFIED MATERIAL

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 ANNEAL ANGLE PLATE EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 HEAT ANGLE PLATE IN FURNACE
- 2.03 HEAT ANGLE PLATE
- 2.04 COOL ANGLE PLATE

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 ANGLE PLATE IS BROUGHT BACK TO ITS ORIGINAL STATE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 3 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 SLIGHTLY ABOVE CRITICAL RANGE
- 3.03 ANGLE PLATE HEATED UNIFORMLY
- 3.04 ANGLE PLATE COOLED SLOWLY TO ROOM TEMPERATURE

MISOE NO. _____

PROGRAM MACHINE SHOP
USOE CODE NO(S) _____

DIVISION 02 HEAT TREATMENT
UNIT 01 ANNEAL
TERMOB NO. 16-004

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

MISOE NO. _____

PROGRAM
USOE CODE NO(S) MACHINE SHOP

DIVISION 02 HEAT TREATING
UNIT 02 HARDENING
TERMOB NO. 16-005

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

MISOE NO. _____

PROGRAM

MACHINE SHOP

DIVISION 02

HEAT TREATING

UNIT 03

TEMPER

TERMOB NO.

16-006

1.00 CONDITION

- 1.01 HARDENED CENTER PUNCH
- 1.02 BASIC MACHINIST'S TOOLS (TABLE T-3)
- 1.03 HEAT TREATMENT TABLES
- 1.04 FURNACE
- 1.05 QUENCHING MEDIUM
- 1.06 COLOR CHARTS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 TEMPER HARDENED CENTER PUNCH EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 HEAT CENTER PUNCH
- 2.03 QUENCH CENTER PUNCH

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 CENTER PUNCH DOES NOT SHATTER UNDER USE AND POINT RETAINS ITS SHARPNESS TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 35 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 TO CORRECT TEMPERATURE BELOW CRITICAL RANGE
- 3.03 IN CORRECT QUENCH MEDIUM AS SPECIFIED IN HEAT TREATMENT TABLES

MISOE NO. _____

PROGRAM MACHINE SHOP
USOE CODE NO(S) _____

DIVISION 02 HEAT TREATING
UNIT 03 TEMPER
TERMOB NO. 16-006

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

MISOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 01 LATHE

TERMOB NO. 16-007

1.00 CONDITION

- 1.01 BLUEPRINT OF A PARALLEL CLAMP SCREW
- 1.02 REQUIRED STOCK
- 1.03 LATHE
- 1.04 POWER BAND SAW
- 1.05 POWER HACK SAW
- 1.06 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 MAKE A PARALLEL CLAMP SCREW AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 2.04 FACE OFF
- 2.05 CENTER DRILL
- 2.06 STRAIGHT TURN
- 2.07 KNURL
- 2.08 SHOULDER TURN
- 2.09 CHAMFER
- 2.10 THREAD
- 2.11 CUT OFF

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 PARALLEL CLAMP SCREW IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 3 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 CORRECT STOCK SELECTED
- 3.03 1/8 INCH OVERSIZE
- 3.04 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.05 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.06 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.07 TO \pm 1/64 INCH ON LENGTH, PATTERN CLEAN AND SHARP
- 3.08 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.09 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.10 FITS GO/NO-GO THREAD GAUGE
- 3.11 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

MISOE NO. _____

PROGRAM _____
USOE CODE NO(S) MACHINE SHOP

DIVISION 03
UNIT 01
TERMOB NO.

MACHINES

LATHE

16-007

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

MISOE NO. _____

PROGRAM

MACHINE SHOP

DIVISION 03

MACHINES

UNIT 01

LATHE

TERMOB NO.

16-008

1.00 CONDITION

- 1.01 BLUEPRINT OF A CENTER PUNCH
- 1.02 REQUIRED STOCK
- 1.03 LATHE
- 1.04 POWER BAND SAW
- 1.04 POWER HACK SAW
- 1.05 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 MAKE A CENTER PUNCH AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 2.04 FACE OFF
- 2.05 CENTER DRILL
- 2.06 STRAIGHT TURN
- 2.07 KNURL
- 2.08 CHAMFER
- 2.09 TAPER TURN

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 CENTER PUNCH IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 CORRECT STOCK SELECTED.
- 3.03 1/8 INCH OVERSIZE
- 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.06 TO ± .005 OR 2/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.07 TO ± 1/64 ON LENGTH, PATTERN CLEAN AND SHARP
- 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

MISOE NO. _____

PROGRAM
USOE CODE NO(S) MACHINE SHOP

DIVISION 03 MACHINES
UNIT 01 LATHE
TERMOB NO. 16-008

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

MISOE NO. _____

PROGRAM

MACHINE SHOP

DIVISION

03

MACHINES

UNIT

01

LATHE

TERMOB NO.

16-009

1.00 CONDITION

- () 1.01 BLUEPRINT OF A HEXAGONAL NUT
- () 1.02 REQUIRED STOCK
- () 1.03 LATHE
- () 1.04 POWER BAND SAW
- () 1.05 POWER HACK SAW
- () 1.06 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- () 2.01 MAKE AN HEXAGONAL NUT AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- () 2.02 SELECT STOCK
- () 2.03 CUT STOCK
- () 2.04 FACE OFF
- () 2.05 CENTER DRILL
- () 2.06 DRILL
- () 2.07 CHAMFER
- () 2.08 THREAD
- () 2.09 COUNTER SINK

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- () 3.01 HEXAGONAL NUT IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- () 3.02 CORRECT STOCK SELECTED
- () 3.03 1/8 INCH OVERSIZE
- () 3.04 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.05 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.06 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.07 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.08 FITS GO/NO-GO THREAD GAUGE
- () 3.09 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

MISOE NO. _____

PROGRAM
USOE CODE NO(S) MACHINE SHOP

DIVISION 03 MACHINES
UNIT 01 LATHE
TERMOB NO. 16-009

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

MISOE NO. _____

PROGRAM MACHINE SHOPDIVISION 03 MACHINESUNIT 01 LATHETERMOB NO. T6-010

1.00 CONDITION

- 1.01 BLUEPRINT OF SALT AND PEPPER SHAKERS
- 1.02 REQUIRED STOCK
- 1.03 LATHE
- 1.04 POWER BAND SAW
- 1.05 POWER HACK SAW
- 1.06 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 MAKE SALT AND PEPPER SHAKERS AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 2.04 STRAIGHT TURN
- 2.05 FACE OFF
- 2.06 CENTER DRILL
- 2.07 DRILL
- 2.08 NECK
- 2.09 CHAMFER
- 2.10 THREAD
- 2.11 FORM
- 2.12 RECESS
- 2.13 TAP
- 2.14 CUT OFF

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 SALT AND PEPPER SHAKERS ARE MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 8 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 CORRECT STOCK SELECTED
- 3.03 1/8 INCH OVERSIZE
- 3.04 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.05 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.06 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.07 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.08 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.09 JO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.10 FITS GO/NO-GO THREAD GAUGE
- 3.11 TO \pm 1/4°
- 3.12 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.13 FITS GO/NO-GO THREAD GAUGE

- () 1.04 POWER BAND SAW
- () 1.05 POWER HACK SAW
- () 1.06 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- () 2.01 MAKE SALT AND PEPPER SHAKERS AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- () 2.02 SELECT STOCK
- () 2.03 CUT STOCK
- () 2.04 STRAIGHT TURN
- () 2.05 FACE OFF
- () 2.06 CENTER DRILL
- () 2.07 DRILL
- () 2.08 NECK
- () 2.09 CHAMFER
- () 2.10 THREAD
- () 2.11 FORM
- () 2.12 RECESS
- () 2.13 TAP
- () 2.14 CUT OFF

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- () 3.01 SALT AND PEPPER SHAKERS ARE MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 8 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- () 3.02 CORRECT STOCK SELECTED
- () 3.03 1/8 INCH OVERSIZE
- () 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.10 FITS GO/NO-GO THREAD GAUGE
- () 3.11 TO ± 1/4°
- () 3.12 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.13 FITS GO/NO-GO THREAD GAUGE
- () 3.14 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

MISOE NO. _____

PROGRAM MACHINE SHOP
USOE CODE NO(S) _____

DIVISION 03 MACHINES
UNIT 01 LATHE
TERMOB NO. 16-010

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 01 LATHE

TERMOB NO. 16-011

1.00 CONDITION

- 1.01 BLUEPRINT OF SCRIBER
- 1.02 REQUIRED STOCK
- 1.03 LATHE
- 1.04 POWER BAND SAW
- 1.05 POWER HACK SAW
- 1.06 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 MAKE A SCRIBER AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 2.04 STRAIGHT TURN
- 2.05 FACE OFF
- 2.06 KNURL
- 2.07 CENTER DRILL
- 2.08 DRILL
- 2.09 CHAMFER
- 2.10 TAP
- 2.11 COUNTERSINK
- 2.12 TAPER TURN
- 2.13 NECK
- 2.14 THREAD
- 2.15 FORM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 SCRIBER IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 10 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 CORRECT STOCK SELECTED
- 3.03 1/8 INCH OVERSIZE
- 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.10 FITS GO/NO-GO THREAD GAUGE
- 3.11 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.12 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

- () 1.04 POWER BAND SAW
- () 1.05 POWER HACK SAW
- () 1.06 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

() 2.01 MAKE A SCRIBER AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- () 2.02 SELECT STOCK
- () 2.03 CUT STOCK
- () 2.04 STRAIGHT TURN
- () 2.05 FACE OFF
- () 2.06 KNURL
- () 2.07 CENTER DRILL
- () 2.08 DRILL
- () 2.09 CHAMFER
- () 2.10 TAP
- () 2.11 COUNTERSINK
- () 2.12 TAPER TURN
- () 2.13 NECK
- () 2.14 THREAD
- () 2.15 FORM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

() 3.01 SCRIBER IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS, TO BE COMPLETED WITHIN 10 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- () 3.02 CORRECT STOCK SELECTED
- () 3.03 1/8 INCH OVERSIZE
- () 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.10 FITS GO/NO-GO THREAD GAUGE
- () 3.11 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.12 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.13 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.14 FITS GO/NO-GO THREAD GAUGE
- () 3.15 TO ± 1/4°

MISOE NO. _____

PROGRAM MACHINE SHOP
USOE CODE NO(S) _____

DIVISION 03 MACHINES
UNIT 01 LATHE
TERMOB NO. 16-011

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

PROGRAM MACHINE SHOPDIVISION 03 MACHINESUNIT 01 LATHETERMOB NO. 16-012

1.00 CONDITION

- 1.01 BLUEPRINT OF MACHINIST'S HAMMER HEAD
- 1.02 REQUIRED STOCK
- 1.03 LATHE
- 1.04 POWER BAND SAW
- 1.05 POWER HACK SAW
- 1.06 DRILL PRESS
- 1.07 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 MAKE A MACHINIST'S HAMMER HEAD AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 2.04 STRAIGHT TURN
- 2.05 FACE OFF
- 2.06 FILE
- 2.07 FORM
- 2.08 CENTER DRILL
- 2.09 DRILL
- 2.10 COUNTERSINK
- 2.11 TAP

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 MACHINIST'S HAMMER HEAD IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 12 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 CORRECT STOCK SELECTED
- 3.03 1/8 INCH OVERSIZE
- 3.04 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.05 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.06 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.07 TO CONFORM TO RADIUS GAUGE
- 3.08 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.09 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.10 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

- () 1.01 BLUEPRINT OF MACHINIST'S HAMMER HEAD
- () 1.02 REQUIRED STOCK
- () 1.03 LATHE
- () 1.04 POWER BAND SAW
- () 1.05 POWER HACK SAW
- () 1.06 DRILL PRESS
- () 1.07 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
 () 2.01 MAKE A MACHINIST'S HAMMER HEAD AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- () 2.02 SELECT STOCK
- () 2.03 CUT STOCK
- () 2.04 STRAIGHT TURN
- () 2.05 FACE OFF
- () 2.06 FILE
- () 2.07 FORM
- () 2.08 CENTER DRILL
- () 2.09 DRILL
- () 2.10 COUNTERSINK
- () 2.11 TAP

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
 () 3.01 MACHINIST'S HAMMER HEAD IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 12 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- () 3.02 CORRECT STOCK SELECTED
- () 3.03 1/8 INCH OVERSIZE
- () 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.07 TO CONFORM TO RADIUS GAUGE
- () 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.11 FITS GO/NO-GO THREAD GAUGE

MISOE NO. _____

PROGRAM MACHINE SHOP
USOE CODE NO(S) _____

DIVISION 03 MACHINE SHOPS
UNIT 01 LATHE
TERMOB NO. 16-012

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME



PROGRAM	<u>MACHINE SHOP</u>	DIVISION	03	<u>MACHINES</u>
		UNIT	01	<u>LATHE</u>
		TERMOB NO.		<u>16-013</u>

1.00 CONDITION

- 1.01 BLUEPRINT OF A TELESCOPING JACKSCREW
- 1.02 REQUIRED STOCK
- 1.03 LATHE
- 1.04 POWER BAND SAW
- 1.05 POWER HACK SAW
- 1.06 DRILL PRESS
- 1.07 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
--

- | |
|--|
| <input type="checkbox"/> 2.01 MAKE A TELESCOPING JACKSCREW AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS: |
|--|

- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 2.04 STRAIGHT TURN
- 2.05 TAPER TURN
- 2.06 FACE OFF
- 2.07 CENTER DRILL
- 2.08 DRILL
- 2.09 CHAMFER
- 2.10 THREAD
- 2.11 COUNTERBORE

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- | |
|--|
| <input type="checkbox"/> 3.01 TELESCOPING JACKSCREW IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 20 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY. |
|--|

- 3.02 CORRECT STOCK SELECTED
- 3.03 1/8 INCH OVERSIZE
- 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.10 FITS GO/NO-GO THREAD GAUGE
- 3.11 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

- () 1.01 BLUEPRINT OF A TELESCOPING JACKSCREW
- () 1.02 REQUIRED STOCK
- () 1.03 LATHE
- () 1.04 POWER BAND SAW
- () 1.05 POWER HACK SAW
- () 1.06 DRILL PRESS
- () 1.07 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- () 2.01 MAKE A TELESCOPING JACKSCREW AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- () 2.02 SELECT STOCK
- () 2.03 CUT STOCK
- () 2.04 STRAIGHT TURN
- () 2.05 TAPER TURN
- () 2.06 FACE OFF
- () 2.07 CENTER DRILL
- () 2.08 DRILL
- () 2.09 CHAMFER
- () 2.10 THREAD
- () 2.11 COUNTERBORE

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- () 3.01 TELESCOPING JACKSCREW IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 20 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- () 3.02 CORRECT STOCK SELECTED
- () 3.03 1/8 INCH OVERSIZE
- () 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.10 FITS GO/NO-GO THREAD GAUGE
- () 3.11 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

MISOE NO. _____

PROGRAM MACHINE SHOP
USOE CODE NO(S) _____

DIVISION 03 MACHINES
UNIT 01 LATHE
TERMOB NO. 16-013

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

MISOE NO. _____

97

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 01 LATHE

TERMOB NO. 16-014

1.00 CONDITION

- 1.01 BLUEPRINT OF MACHINIST'S BIMETALLIC HAMMER
- 1.02 REQUIRED STOCK
- 1.03 LATHE
- 1.04 POWER BAND SAW
- 1.05 POWER HACK SAW
- 1.06 BASIC MACHINIST'S TOOLS (TABLE T-3)
- 1.07 DRILL PRESS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
 2.01 MAKE A MACHINIST'S BIMETALLIC HAMMER AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 2.04 FACE OFF
- 2.05 CENTER DRILL
- 2.06 STRAIGHT TURN
- 2.07 KNURL
- 2.08 TAPER TURN
- 2.09 FORM
- 2.10 CHAMFER
- 2.11 THREAD
- 2.12 DRILL
- 2.13 BORE
- 2.14 COUNTERSINK
- 2.14 TAP

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
 3.01 MACHINIST'S BIMETALLIC HAMMER IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 15 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 CORRECT STOCK SELECTED
- 3.03 1/8 INCH OVERSIZE
- 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.07 TO ± 1/64 ON LENGTH, PATTERN CLEAN AND SHARP
- 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.09 TO ± 1/4°
- 3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.11 FITS GO/NO GO THREAD GAUGE

- () 1.04 POWER BAND SAW
- () 1.05 POWER HACK SAW
- () 1.06 BASIC MACHINIST'S TOOLS (TABLE T-3)
- () 1.07 DRILL PRESS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

() 2.01 MAKE A MACHINIST'S BIMETALLIC HAMMER AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- () 2.02 SELECT STOCK
- () 2.03 CUT STOCK
- () 2.04 FACE OFF
- () 2.05 CENTER DRILL
- () 2.06 STRAIGHT TURN
- () 2.07 KNURL
- () 2.08 TAPER TURN
- () 2.09 FORM
- () 2.10 CHAMFER
- () 2.11 THREAD
- () 2.12 DRILL
- () 2.13 BORE
- () 2.14 COUNTERSINK
- () 2.14 TAP

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

() 3.01 MACHINIST'S BIMETALLIC HAMMER IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 15 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- () 3.02 CORRECT STOCK SELECTED
- () 3.03 1/8 INCH OVERSIZE
- () 3.04 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.05 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.06 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.07 TO \pm 1/64 ON LENGTH, PATTERN CLEAN AND SHARP
- () 3.08 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.09 TO \pm 1/4°
- () 3.10 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.11 FITS GO/NO-GO THREAD GAUGE
- () 3.12 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.13 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.14 TO \pm .005 OR 1/64 INCH AS SPECIFIED INBLUEPRINT
- () 3.14 FITS GO/NO-GO THREAD GAUGE

MISOE NO. _____

PROGRAM MACHINE SHOP
USOE CODE NO(S) _____

DIVISION 03
UNIT 01
TERMOB NO.

MACHINES _____

LATHE _____
16-014 _____

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME



MISOE NO. _____

100

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 02 MILLING

TERMOB NO. 16-015

1.00 CONDITION

- 1.01 BLUEPRINT OF AN ANGLE PLATE
- 1.02 REQUIRED STOCK
- 1.03 POWER HACK SAW
- 1.04 POWER BAND SAW
- 1.05 HORIZONTAL MILLING MACHINE
- 1.06 VERTICAL MILLING MACHINE
- 1.07 BASIC MACHINIST'S TOOLS (TABLE T-3)
- 1.08 DRILL PRESS
- 1.09 SHAPER-PLANNER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 MAKE AN ANGLE PLATE AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 2.04 PLAIN MILL
- 2.05 SLOT MILL
- 2.06 ANGLE MILL
- 2.07 LAY OUT
- 2.08 CENTER DRILL
- 2.09 DRILL
- 2.10 COUNTER BORE
- 2.11 TAP
- 2.12 COUNTERSINK
- 2.13 CHAMFER

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 ANGLE PLATE IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS, TO BE COMPLETED WITHIN 12 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 CORRECT STOCK SELECTED
- 3.03 1/8 INCH OVERSIZE
- 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.06 TO ± 1/4°
- 3.07 TO ± .005
- 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.11 FITS GO/NO-GO THREAD GAUGE
- 3.12 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.13 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

- () 1.05 HORIZONTAL MILLING MACHINE
- () 1.06 VERTICAL MILLING MACHINE
- () 1.07 BASIC MACHINIST'S TOOLS (TABLE T-3)
- () 1.08 DRILL PRESS
- () 1.09 SHAPER-PLANNER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
 () 2.01 MAKE AN ANGLE PLATE AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- () 2.02 SELECT STOCK
- () 2.03 CUT STOCK
- () 2.04 PLAIN MILL
- () 2.05 SLOT MILL
- () 2.06 ANGLE MILL
- () 2.07 LAY OUT
- () 2.08 CENTER DRILL
- () 2.09 DRILL
- () 2.10 COUNTER BORE
- () 2.11 TAP
- () 2.12 COUNTERSINK
- () 2.13 CHAMFER

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
 () 3.01 ANGLE PLATE IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 12 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- () 3.02 CORRECT STOCK SELECTED
- () 3.03 1/8 INCH OVERSIZE
- () 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.06 TO ± 1/4°
- () 3.07 TO ± .005
- () 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.11 FITS GO/NO-GO THREAD GAUGE
- () 3.12 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.13 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

MISOE NO. _____

PROGRAM MACHINE SHOP
USOE CODE NO(S) _____

DIVISION 03 MACHINES
UNIT 02 MILLING
TERMOB NO. 16-015

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

MISSGE NO. _____

103

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 02 MILLING

TERMOB NO. 16-016

1.00 CONDITION

- 1.01 BLUEPRINT OF MACHINIST'S VISE
- 1.02 REQUIRED STOCK
- 1.03 POWER HACK SAW
- 1.04 POWER BAND SAW
- 1.05 HORIZONTAL MILLING MACHINE
- 1.06 VERTICAL MILLING MACHINE
- 1.07 BASIC MACHINIST'S TOOLS (TABLE T-3)
- 1.08 DRILL PRESS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 MAKE A MACHINIST'S VISE AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 2.04 PLAIN MILL
- 2.05 SLOT MILL
- 2.06 FACE MILL
- 2.07 FORM MILL
- 2.08 LAY OUT
- 2.09 CENTER DRILL
- 2.10 DRILL
- 2.11 COUNTER BORE
- 2.12 TAP
- 2.13 ASSEMBLE

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 MACHINIST'S VISE IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 20 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 CORRECT STOCK SELECTED
- 3.03 1/8 INCH OVERSIZE
- 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.07 TO CONFORM TO RADIUS GAUGE
- 3.08 TO ± .005
- 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.11 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

- () 1.05 HORIZONTAL MILLING MACHINE
- () 1.06 VERTICAL MILLING MACHINE
- () 1.07 BASIC MACHINIST'S TOOLS (TABLE T-3)
- () 1.08 DRILL PRESS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
 () 2.01 MAKE A MACHINIST'S VISE AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- () 2.02 SELECT STOCK
- () 2.03 CUT STOCK
- () 2.04 PLAIN MILL
- () 2.05 SLOT MILL
- () 2.06 FACE MILL
- () 2.07 FORM MILL
- () 2.08 LAY OUT
- () 2.09 CENTER DRILL
- () 2.10 DRILL
- () 2.11 COUNTER BORE
- () 2.12 TAP
- () 2.13 ASSEMBLE

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
 () 3.01 MACHINIST'S VISE IS MADE TO APPROVAL OF BOARD OF EXPERT RATER. TO BE COMPLETED WITHIN 20 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- () 3.02 CORRECT STOCK SELECTED
- () 3.03 1/8 INCH OVERSIZE
- () 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.07 TO CONFORM TO RADIUS GAUGE
- () 3.08 TO ± .005
- () 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.11 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.12 FIT GO/NO-GO THREAD GAUGE
- () 3.13 ALL PARTS PROPERLY FITTED

MISOE NO. _____

PROGRAM
USOE CODE NO(S) MACHINE SHOP

DIVISION 03 MACHINES
UNIT 02 MILLING
TERMOB NO. 16-016

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

ISSUE NO. _____

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 02 MILLING

TERMOB NO. 16-017

1.00 CONDITION

- 1.01 BLUEPRINT OF PARALLEL CLAMP JAWS
- 1.02 REQUIRED STOCK
- 1.03 POWER HACK SAW
- 2.04 POWER BAND SAW
- 1.05 HORIZONTAL MILLING MACHINE
- 1.06 VERTICAL MILLING MACHINE
- 1.07 BASIC MACHINIST'S TOOLS (TABLE T-3)
- 1.08 DRILL PRESS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 MAKE TWO PARALLEL CLAMP JAWS AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:
- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 2.04 PLAIN MILL
- 2.05 FACE MILL
- 2.06 ANGLE MILL
- 2.07 LAY OUT
- 2.08 CENTER DRILL
- 2.09 DRILL
- 2.10 TAP

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 PARALLEL CLAMP JAWS ARE MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 6 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY
- 3.02 CORRECT STOCK SELECTED
- 3.03 1/8 INCH OVERSIZE
- 3.04 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.05 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.06 TO \pm 1/4°
- 3.07 TO \pm .005
- 3.08 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.09 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.10 FITS GO/NO-GO THREAD GAUGE

MISOE NO. _____

PROGRAM
USOE CODE NO(S) MACHINE SHOP

DIVISION 03 MACHINES
UNIT 02 MILLING
TERMOB NO. 16-017

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

MISOE NO. _____

PROGRAM	<u>MACHINE SHOP</u>	DIVISION	03	<u>MACHINES</u>
		UNIT	02	<u>MILLING</u>
		TERMOB NO.		<u>16-018</u>

1.00 CONDITION

- 1.01 BLUEPRINT OF GAGE BLOCK
- 1.02 REQUIRED STOCK
- 1.03 POWER HACK SAW
- 1.04 POWER BAND SAW
- 1.05 DRILL PRESS
- 1.06 HORIZONTAL MILLING MACHINE
- 1.07 VERTICAL MILLING MACHINE

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 MAKE A GAGE BLOCK AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 2.04 PLAIN MILL
- 2.05 FACE MILL

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 GAGE BLOCK IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 CORRECT STOCK SELECTED
- 3.03 1/8 INCH OVERSIZE
- 3.04 TO + .0005, - .0000
- 3.05 TO + .0005, - .0000

MISOE NO. _____

PROGRAM _____
USOE CODE NO(S) _____
MACHINE SHOP _____

DIVISION 03

MACHINES _____

UNIT 02

MILLING _____

TERMOB NO.

16-018 _____

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

VISOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 02 MILLING

TERMOB NO. 16-019

1.00 CONDITION

- 1.01 BLUEPRINT OF A T-NUT
- 1.02 REQUIRED STOCK
- 1.03 POWER HACK SAW
- 1.04 POWER BAND SAW
- 1.05 DRILL PRESS
- 1.06 HORIZONTAL MILLING MACHINE
- 1.07 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 MAKE A T-NUT AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 2.04 FACE MILL
- 2.05 PLAIN MILL
- 2.06 STRADDLE MILL
- 2.07 LAY OUT
- 2.08 CENTER DRILL
- 2.09 DRILL

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 T-NUT IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 CORRECT STOCK SELECTED
- 3.03 1/8 INCH OVERSIZE
- 3.04 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.05 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.06 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.07 TO $\pm .005$
- 3.08 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.09 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

MISOE NO. _____

PROGRAM MACHINE SHOP
USOE CODE NO(S) _____

DIVISION 03 _____
UNIT 02 _____
TERMOB NO. 16-019 _____

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

PROGRAM	<u>MACHINE SHOP</u>	DIVISION	03	<u>MACHINES</u>
		UNIT	02	<u>MILLING</u>
		TERMOB NO.		<u>16-020</u>

1.00 CONDITION

- 1.01 BLUEPRINT OF A SKATE SHARPENER
- 1.02 REQUIRED STOCK
- 1.03 POWER HACK SAW
- 1.04 POWER BAND SAW
- 1.05 DRILL PRESS
- 1.06 HORIZONTAL MILLING MACHINE
- 1.07 VERTICAL MILLING MACHINE
- 1.08 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 MAKE A SKATE SHARPENER AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 2.04 PLAIN MILL
- 2.05 SLOT MILL
- 2.06 FACE MILL
- 2.07 FORM MILL
- 2.08 CENTER DRILL
- 2.09 DRILL
- 2.10 COUNTER BORE
- 2.11 TAP
- 2.12 COUNTER SINK

3.00 ENTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 SKATE SHARPENER IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 10 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 CORRECT STOCK SELECTED
- 3.03 1/8 INCH OVERSIZE
- 3.04 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.05 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.06 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.07 TO \pm 1/4°
- 3.08 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.09 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

1.00 CONDITION

- () 1.01 BLUEPRINT OF A SKATE SHARPENER
- () 1.02 REQUIRED STOCK
- () 1.03 POWER HACK SAW
- () 1.04 POWER BAND SAW
- () 1.05 DRILL PRESS
- () 1.06 HORIZONTAL MILLING MACHINE
- () 1.07 VERTICAL MILLING MACHINE
- () 1.08 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- () 2.01 MAKE A SKATE SHARPENER AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- () 2.02 SELECT STOCK
- () 2.03 CUT STOCK
- () 2.04 PLAIN MILL
- () 2.05 SLOT MILL
- () 2.06 FACE MILL
- () 2.07 FORM MILL
- () 2.08 CENTER DRILL
- () 2.09 DRILL
- () 2.10 COUNTER BORE
- () 2.11 TAP
- () 2.12 COUNTER SINK

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- () 3.01 SKATE SHARPENER IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 10 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- () 3.02 CORRECT STOCK SELECTED
- () 3.03 1/8 INCH OVERSIZE
- () 3.04 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.05 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.06 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.07 TO \pm 1/4°
- () 3.08 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.09 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.10 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.11 FITS GO/NO-GO THREAD GAUGE
- () 3.12 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

MISOE NO. _____

PROGRAM MACHINE SHOP
USOE CODE NO(S) _____

DIVISION 03 MACHINES
UNIT 02 MILLING
TERMOB NO. 16-020

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

ISOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 03 GRINDING

TERMOB NO. 16-021

1.00 CONDITION

- 1.01 BLUEPRINT OF AN END MILL
- 1.02 TOOL AND CUTTER GRINDER
- 1.03 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 SHARPEN END MILL AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 STRAIGHT GRIND
- 2.03 GRIND FLUTES
- 2.04 GRIND END

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 END MILL IS SHARPENED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 1 HOUR WITH EACH OPERATION JUDGED SATISFACTORY OR UNSATISFACTORY.

- 3.02 TO $\pm .0002$ OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
- 3.03 TO $\pm .0002$ OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
- 3.04 TO $\pm .0002$ OR 1/100 INCH AS SPECIFIED IN BLUEPRINT

MISOE NO. _____

PROGRAM
USOE CODE NO(S) MACHINE SHOP

DIVISION 03 MACHINES
UNIT 03 GRINDING
TERMOB NO. 16-021

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

MISOE NO. _____

PROGRAM	<u>MACHINE SHOP</u>	DIVISION	03	<u>MACHINES</u>
		UNIT	03	<u>GRINDING</u>
		TERMOB NO.		<u>16-022</u>

1.00. CONDITION

- 1.01 BLUEPRINT OF MACHINIST'S VISE
- 1.02 SURFACE GRINDER
- 1.03 BASIC MACHINIST'S TOOLS (TABLE T-3)
- 1.04 MACHINED MACHINIST'S VISE

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 GRIND JAWS ON MACHINIST'S VISE AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 STRAIGHT GRIND

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 JAWS ARE GROUND TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 1 HOUR WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 TO \pm .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT

MISOE NO. _____

PROGRAM	<u>MACHINE SHOP</u>	DIVISION	03	<u>MACHINES</u>
USOE CODE NO(S)	_____	UNIT	03	<u>GRINDING</u>
	_____	TERMOB NO.		<u>16-022</u>
	_____			_____
	_____			_____

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

MISOE NO. _____

PROGRAM
USOE CODE NO(S) MACHINE SHOP

DIVISION 03
UNIT 03
TERMOB NO.

MACHINES

GRINDING

16-023

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

MISOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 03 GRINDING

TERMOB NO. 16-024

1.00 CONDITION

- 1.01 BLUEPRINT OF STRAIGHT TOOTH SLOTTING CUTTER
- 1.02 TOOL AND CUTTER GRINDER
- 1.03 BASIC MACHINIST'S TOOLS (TABLE T-3)
- 1.04 MACHINED AND HARDENED STRAIGHT TOOTH SLOTTING CUTTER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 GRIND A STRAIGHT TOOTH SLOTTING CUTTER AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 STRAIGHT GRIND
- 2.03 ANGLE GRIND

3.00

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 CUTTER GROUND TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 TO $\pm .0002$ OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
- 3.03 TO $\pm 0^{\circ} 1'$

MISOE NO. _____

PROGRAM MACHINE SHOP
USOE CODE NO(S) _____

DIVISION 03 MACHINES
UNIT 03 GRINDING
TERMOB NO. 16-024

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

ISSUE NO. _____

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 03 GRINDING

TERMOB NO. 16-025

1.00 CONDITION

- 1.01 BLUEPRINT OF A LATHE CENTER
- 1.02 CYLINDRICAL GRINDER
- 1.03 BASIC MACHINIST'S TOOLS (TABLE T-3)
- 1.04 MACHINED AND HARDENED LATHE CENTER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 GRIND A LATHE CENTER AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 STRAIGHT GRIND
- 2.03 TAPER GRIND
- 2.04 ANGLE GRIND

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 LATHE CENTER IS GROUND TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 TO $\pm .0002$ OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
- 3.03 TO $\pm .0002$ OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
- 3.04 TO $\pm 0^{\circ} 1'$

MISOE NO. _____

PROGRAM	<u>MACHINE SHOP</u>	DIVISION	03	<u>MACHINES</u>
USOE CODE NO(S)	_____	UNIT	03	<u>GRINDING</u>
	_____	TERMOB NO.		<u>16-025</u>
	_____			_____
	_____			_____

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

SERIAL NO.

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 03 GRINDING

TERMOB NO. 16-026

1.00 CONDITION

- 1.01 BLUEPRINT OF A TEST BAR
- 1.02 CYLINDRICAL GRINDER
- 1.03 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 GRIND A TEST BAR AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 STRAIGHT GRIND

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 TEST BAR IS GROUND TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 TO $\pm .0002$ OR 1/100 INCH AS SPECIFIED IN BLUEPRINT

MISOE NO. _____

PROGRAM	<u>MACHINE SHOP</u>	DIVISION	03	<u>MACHINES</u>
USOE CODE NO(S)	_____	UNIT	03	<u>GRINDING</u>
	_____	TERMOB NO.		<u>16-026</u>

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

MISOE NO. _____

PROGRAM

MACHINE SHOP

DIVISION 03

MACHINES

UNIT 04

SPECIAL

TERMOB NO.

16-027

1.00 CONDITION

- 1.01 BLUEPRINT OF A BOLT
- 1.02 POWER BAND SAW
- 1.03 POWER HACK SAW
- 1.04 TURRET LATHE
- 1.05 BASIC MACHINIST'S TOOLS (TABLE T-3)
- 1.06 REQUIRED STOCK

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 MAKE A BOLT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 2.04 STRAIGHT TURN
- 2.05 SHOULDER TURN
- 2.06 FACE OFF
- 2.07 CHAMFER
- 2.08 THREAD
- 2.09 CUT OFF

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 BOLT IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 CORRECT STOCK SELECTED
- 3.03 1/8" OVERSIZE
- 3.04 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.05 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.06 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.07 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.08 CONFORMS TO GO/NO-GO THREAD GAUGE
- 3.09 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

MISOE NO. _____

PROGRAM MACHINE SHOP
USOE CODE NO(S) _____

DIVISION 03 MACHINES
UNIT 04 SPECIAL
TERMOB NO. 16-027

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

MISOE NO. _____

PROGRAM
USOE CODE NO(S) MACHINE SHOP

DIVISION 03

MACHINES

UNIT 04

SPECIAL

TERMOB NO.

16-028

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

MISOE NO. _____

PROGRAM	<u>MACHINE SHOP</u>	DIVISION	<u>03</u>	<u>MACHINES</u>
USOE CODE NO(S)	_____	UNIT	<u>04</u>	<u>SPECIAL</u>
	_____	TERMOB NO.		<u>16-029</u>
	_____			_____
	_____			_____

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

AI SOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 04 SPECIAL

TERMOB NO. 16-030

1.00 CONDITION

- 1.01 BLUEPRINT OF ANGLE PLATE
- 1.02 REQUIRED STOCK
- 1.03 POWER BAND SAW
- 1.04 POWER HACK SAW
- 1.05 ~~COMPUTER EQUIPPED MILLING MACHINE~~
- 1.06 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 MAKE AN ANGLE PLATE EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 PROGRAM MACHINE
- 2.03 PUNCH TAPE
- 2.04 SELECT STOCK
- 2.05 CUT STOCK
- 2.06 PLAIN MILL (NUMERICAL CONTROL)
- 2.07 FACE MILL (NUMERICAL CONTROL)
- 2.08 SLOT MILL (NUMERICAL CONTROL)
- 2.09 DRILL (NUMERICAL CONTROL)
- 2.10 COUNTERSINK
- 2.11 TAP

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 ANGLE PLATE IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 8 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 CORRECT PROGRAM MADE
- 3.03 ACCURATELY, NO ERRORS
- 3.04 CORRECT STOCK SELECTED
- 3.05 1/8" OVERSIZE
- 3.06 TO ± .005 INCH
- 3.07 TO ± .005 INCH
- 3.08 TO ± .005 INCH
- 3.09 TO ± .005 INCH
- 3.10 TO ± .005 INCH ON CENTER
- 3.11 CONFORMS TO GO/NO-GO THREAD GAUGE

MISOE NO. _____

PROGRAM	<u>MACHINE SHOP</u>	DIVISION	03	<u>MACHINES</u>
USOE CODE NO(S)	_____	UNIT	04	<u>SPECIAL</u>
	_____	TERMOB NO.		<u>16-030</u>

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

PROGRAM	MACHINE SHOP	DIVISION	03	MACHINES
USOE CODE NO(S)	_____	UNIT	04	SPECIAL
	_____	TERMOB NO.		16-031

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

PROGRAM MACHINE SHOP
USOE CODE NO(S) _____

DIVISION 03 MACHINES
UNIT 04 SPECIAL
TERMOB NO. 16-032

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

PROGRAM	<u>MACHINE SHOP</u>	DIVISION	<u>03</u>	<u>MACHINES</u>
USOE CODE NO(S)	_____	UNIT	<u>04</u>	<u>SPECIAL</u>
	_____	TERMOB NO.		<u>16-033</u>
	_____			_____
	_____			_____

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

PROGRAM	<u>MACHINE SHOP</u>	DIVISION	03	<u>MACHINES</u>
		UNIT	04	<u>SPECIAL</u>
		TERMOB NO.		<u>16-058</u>

1.00 CONDITION

- 1.01 BLUEPRINT OF BUTT JOINT
- 1.02 BLUEPRINT OF LAP JOINT
- 1.03 BLUEPRINT OF TEE JOINT
- 1.04 BLUEPRINT OF CORNER JOINT
- 1.05 BLUEPRINT OF EDGE JOINT
- 1.06 TIG WELDING EQUIPMENT
- 1.07 WELDING HAND TOOLS (TABLE T-3A)
- 1.08 TABLE OF CURRENT SETTINGS
- 1.09 TABLES FOR SELECTING THE ELECTRODES
- 1.10 1/8" MAGNESIUM
- 1.11 3/16" MAGNESIUM
- 1.12 1/4" ALUMINUM
- 1.13 STAINLESS STEEL (UP TO .050")
- 1.14 STAINLESS STEEL (.050" AND UP)
- 1.15 BRASS ALLOYS
- 1.16 LOW CARBON STEEL (.015" TO .030")
- 1.17 CAST IRON

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 WELD A SEAM OR JOINT AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 CHECK ALL ELECTRICAL CIRCUIT CONNECTIONS
- 2.03 CUT ELECTRODE
- 2.04 ADJUST THE ELECTRODE
- 2.05 SET AMPERAGE
- 2.06 TURN ON AND SET INERT GAS
- 2.07 POSITION FILLER ROD
- 2.08 WELD

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 SEAM OR JOINT IS WELDED WITH SMOOTHNESS AND PROPER PENETRATION TO APPROVAL OF BOARD OF EXPERT RATERS TO BE COMPLETED WITHIN ONE HOUR WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

- 3.02 ALL CONNECTIONS TIGHT
- 3.03 PROPER DIAMETER SELECTED AND CUT TO APPROPRIATE LENGTH
- 3.04 ELECTRODE EXTENDS 1/8" TO 3/16" BEYOND END OF GAS CAP

- () 1.01 BLUEPRINT OF BUTT JOINT
- () 1.02 BLUEPRINT OF LAP JOINT
- () 1.03 BLUEPRINT OF TEE JOINT
- () 1.04 BLUEPRINT OF CORNER JOINT
- () 1.05 BLUEPRINT OF EDGE JOINT
- () 1.06 TIG WELDING EQUIPMENT
- () 1.07 WELDING HAND TOOLS (TABLE T-3A)
- () 1.08 TABLE OF CURRENT SETTINGS
- () 1.09 TABLES FOR SELECTING THE ELECTRODES
- () 1.10 1/8" MAGNESIUM
- () 1.11 3/16" MAGNESIUM
- () 1.12 1/4" ALUMINUM
- () 1.13 STAINLESS STEEL (UP TO .050")
- () 1.14 STAINLESS STEEL (.050" AND UP)
- () 1.15 BRASS ALLOYS
- () 1.16 LOW CARBON STEEL (.015" TO .030")
- () 1.17 CAST IRON

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- () 2.01 WELD A SEAM OR JOINT AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- () 2.02 CHECK ALL ELECTRICAL CIRCUIT CONNECTIONS
- () 2.03 CUT ELECTRODE
- () 2.04 ADJUST THE ELECTRODE
- () 2.05 SET AMPERAGE
- () 2.06 TURN ON AND SET INERT GAS
- () 2.07 POSITION FILLER ROD
- () 2.08 WELD

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- () 3.01 SEAM OR JOINT IS WELDED WITH SMOOTHNESS AND PROPER PENETRATION TO APPROVAL OF BOARD OF EXPERT RATERS TO BE COMPLETED WITHIN ONE HOUR WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

- () 3.02 ALL CONNECTIONS TIGHT
- () 3.03 PROPER DIAMETER SELECTED AND CUT TO APPROPRIATE LENGTH
- () 3.04 ELECTRODE EXTENDS 1/8" TO 3/16" BEYOND END OF GAS CAP
- () 3.05 CORRECT AMPERAGE
- () 3.06 CORRECT FLOW
- () 3.07 AT PROPER ANGLE
- () 3.08 SEAM OR JOINT SMOOTH WITH METAL EVENLY DISTRIBUTED

PROGRAM MACHINE SHOP
USOE CODE NO(S) _____

DIVISION 03 MACHINES
UNIT 04 SPECIAL
TERMOB NO. 16-058

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

MISOE NO. _____

PROGRAM	<u>MACHINE SHOP</u>	DIVISION 03	<u>MACHINES</u>
		UNIT 04	<u>SPECIAL</u>
		TERMOB NO.	<u>16-034</u>

1.00 CONDITION

- () 1.01 BLUEPRINT OF BUTT JOINT
- () 1.02 BLUEPRINT OF LAP JOINT
- () 1.03 BLUEPRINT OF TEE JOINT
- () 1.04 BLUEPRINT OF CORNER JOINT
- () 1.05 BLUEPRINT OF EDGE JOINT
- () 1.06 MIG WELDING EQUIPMENT:
 - CONSTANT VOLTAGE (POTENTIAL) POWER SUPPLY
 - D.C. GENERATOR POWER SUPPLY
 - D.C.R.P. POWER SUPPLY
 - WIRE FEEDING MECHANISM
 - WELDING GUN
 - ELECTRODE WIRE
 - SHIELDED GAS:
 - ARGON
 - HELIUM
 - OXYGEN
 - CARBON DIOXIDE
- () 1.07 TABLES OF FILLER WIRE AND FEED
- () 1.08 TABLES OF CURRENT SETTINGS
- () 1.09 TABLE OF GAS AND FLOWS
- () 1.10 1/16" STAINLESS STEEL
- () 1.11 1/4" CARBON STEEL
- () 1.12 1/2" ALUMINUM
- () 1.13 WELDING HAND TOOLS (TABLE T-3A)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
() 2.01 WELD JOINT OR SEAM AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- () 2.02 CHECK ALL HOSE AND CABLE CONNECTIONS
- () 2.03 SELECT NOZZLE
- () 2.04 THREAD WIRE THROUGH GUN
- () 2.05 CLEAN OR INSPECT APERTURES OF CONTACT TUBE AND NOZZLE
- () 2.06 SET WIRE SPEED AND FEED
- () 2.07 SELECT SHIELDED GAS
- () 2.08 TURN ON SHIELDED GAS AND WATER COOLANT
- () 2.09 POSITION WORK
- () 2.10 WELD



PROGRAM MACHINE SHOP
USOE CODE NO(S) _____

DIVISION 03 MACHINES
UNIT 04 SPECIAL
TERMOB NO. 16-034

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

MISOE NO. _____

PROGRAM

MACHINE SHOP

DIVISION 03

MACHINES

UNIT 04

SPECIAL

TERMOB NO.

16-034

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 JOINT OR SEAM WELDED WITH SMOOTHNESS AND PROPER PENETRATION TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN ONE HOUR WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY
- 3.02 CONNECTIONS TIGHT AND PROPERLY INSULATED
- 3.03 CORRECT NOZZLE SELECTED
- 3.04 PROPERLY THREADED AND EXTENDING CORRECT DISTANCE
- 3.05 APERTURES CLEAN
- 3.06 CORRECT SPEED
- 3.07 CORRECT GAS
- 3.08 ADJUSTED FOR CORRECT OUTPUT
- 3.09 PROPERLY POSITIONED IN WELDING VISE
- 3.10 SEAM OR JOINT SMOOTH WITH METAL EVENLY DISTRIBUTED

MISOE NO. _____

PROGRAM MACHINE SHOP
USOE CODE NO(S) _____

DIVISION 03 MACHINES
UNIT 04 SPECIAL
TERMOB NO. 16-034

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME.

MISOE NO. _____

PROGRAM

MACHINE SHOP

DIVISION 03

MACHINES

UNIT 04

SPECIAL

TERMOB NO.

16-069

1.00 CONDITION

- 1.01 BLUEPRINT OF BUTT JOINT
- 1.02 BLUEPRINT OF LAP JOINT
- 1.03 BLUEPRINT OF TEE JOINT
- 1.04 BLUEPRINT OF CORNER JOINT
- 1.05 BLUEPRINT OF EDGE JOINT
- 1.06 GAS WELDING EQUIPMENT (TABLE T-3B)
- 1.07 WELDING ROD
- 1.08 1/8" ROLLED STEEL STOCK
- 1.09 WELDING HAND TOOLS (TABLE T-3A)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 WELD A JOINT OR SEAM AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 ADJUST TANK GAUGES
- 2.03 ADJUST TORCH
- 2.04 TAC WORK
- 2.05 WELD

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 JOINT OR SEAM IS WELDED WITH SMOOTHNESS AND PROPER PENETRATION TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 1/2 HOUR WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

- 3.02 CORRECTLY ADJUSTED
- 3.03 FOR NEUTRAL FLAME
- 3.04 IN CORRECT PLACES TO COUNTERACT EXPANSION DUE TO HEAT
- 3.05 SEAM OR JOINT SMOOTH WITH METAL EVENLY DISTRIBUTED

PROGRAM _____
LSOE CODE NO(S) MACHINE SHOP

DIVISION 03 MACHINES
UNIT 04 SPECIAL
TERMOB NO. 16-069

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

MISOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 04 SPECIAL

TERMOB NO. 16-062

1.00 CONDITION

- 1.01 BLUEPRINT OF A 3/4" HEX WRENCH
- 1.02 BLANKED OUT WRENCH
- 1.03 ELECTRODE MATERIAL
- 1.04 VERTICAL MILLING MACHINE
- 1.05 ELECTRICAL DISCHARGE MACHINE
- 1.06 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
 2.01 EDM 3/4" HEX IN WRENCH BLANK AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 MILL 3/4" HEX ELECTRODE
- 2.03 LOCATE WRENCH BLANK IN EDM
- 2.04 EDM HEX IN WRENCH

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
 3.01 3/4" HEX IS EDMED IN WRENCH BLANK TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 TO $\pm .005$
- 3.03 CORRECTLY, AS SPECIFIED IN BLUEPRINT
- 3.04 TO $\pm .005$ ON LOCATION

MISOE NO. _____

PROGRAM MACHINE SHOP
USOE CODE(S) _____

DIVISION 03 MACHINES
UNIT 04 SPECIAL
TERMOB NO. 16-062

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

VISOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 05 PROJECTS

TERMOB NO. 16-035

1.00 CONDITION

- 1.01 BLUEPRINT OF A PLUG GAUGE
- 1.02 REQUIRED STOCK
- 1.03 POWER HACK SAW
- 1.04 POWER BAND SAW
- 1.05 LATHE
- 1.06 CYLINDRICAL GRINDER
- 1.07 FURNACE
- 1.08 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 MAKE A PLUG GAUGE AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 2.04 FACE OFF
- 2.05 CENTER DRILL
- 2.06 STRAIGHT TURN
- 2.07 SHOULDER TURN
- 2.08 KNURL
- 2.09 STAMP IDENTIFICATION
- 2.10 HARDEN
- 2.11 STRAIGHT GRIND

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 PLUG GAUGE IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 5 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 CORRECT STOCK SELECTED
- 3.03 1/8 INCH OVERSIZE
- 3.04 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.05 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.06 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.07 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.08 TO \pm 1/64 INCH ON LENGTH PATTERN IS CLEAN AND SHARP
- 3.09 SIZE STAMPED IS LEGIBLE
- 3.10 HEATED TO CORRECT TEMPERATURE AND QUENCHED
- 3.11 TO \pm .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT

PROGRAM
USOE CODE NO(S) MACHINE SHOP

DIVISION 03 MACHINES
UNIT 05 PROJECTS
TERMOB NO. 16-035

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

ISOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 05 PROJECTS

TERMOB NO. 16-036

1.00 CONDITION

- 1.01 BLUEPRINT OF A RING GAUGE
- 1.02 REQUIRED STOCK
- 1.03 POWER HACK SAW
- 1.04 POWER BAND SAW
- 1.05 LATHE
- 1.06 SURFACE GRINDER
- 1.07 CYLINDRICAL GRINDER
- 1.08 FURNACE
- 1.09 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 MAKE A RING GAUGE AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 2.04 FACE OFF
- 2.05 CENTER DRILL
- 2.06 DRILL
- 2.07 BORE
- 2.08 CHAMFER
- 2.09 STAMP IDENTIFICATION
- 2.10 HARDEN
- 2.11 SURFACE GRIND

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 RING GAUGE IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 6 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 CORRECT STOCK SELECTED
- 3.03 1/8 INCH OVERSIZE
- 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.09 STAMPED SIZE IS LEGIBLE
- 3.10 HEATED TO CORRECT TEMPERATURE AND QUENCHED
- 3.11 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT

PROGRAM
USOE CODE NO(S) MACHINE SHOP

DIVISION 03 MACHINES
UNIT 05 PROJECTS
TERMOB NO. 16-036

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

MISOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 05 PROJECTS

TERMOB NO. 16-037

1.00 CONDITION

- 1.01 BLUEPRINT OF A LATHE DOG
- 1.02 REQUIRED STOCK
- 1.03 POWER HACK SAW
- 1.04 POWER BAND SAW
- 1.05 DRILL PRESS
- 1.06 LATHE
- 1.07 VERTICAL MILLING MACHINE
- 1.08 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 MAKE A LATHE DOG AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 2.04 CENTER DRILL
- 2.05 DRILL
- 2.06 TAP
- 2.07 FORM MILL
- 2.08 STRAIGHT TURN
- 2.09 CHAMFER
- 2.10 THREAD

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 LATHE DOG IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 5 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 CORRECT STOCK SELECTED
- 3.03 1/8 INCH OVERSIZE
- 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.06 FITS GO/NO-GO THREAD GAUGE
- 3.07 TO ± 1/4° 1'
- 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.10 FITS GO/NO-GO THREAD GAUGE

PROGRAM	<u>MACHINE SHOP</u>	DIVISION	03	<u>MACHINES</u>
USOE CODE NO(S)	_____	UNIT	05	<u>PROJECTS</u>
	_____	TERMOB NO.		<u>16-037</u>
	_____			_____
	_____			_____

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

PROGRAM

MACHINE SHOP

DIVISION 03

MACHINES

UNIT 05

PROJECTS

TERMOB NO.

16-038

1.00 CONDITION

- 1.01 BLUEPRINT OF A YOKE AND SCREW
- 1.02 REQUIRED STOCK
- 1.03 POWER HACK SAW
- 1.04 POWER BAND SAW
- 1.05 DRILL PRESS
- 1.06 LATHE
- 1.07 HORIZONTAL MILLING MACHINE
- 1.08 VERTICAL MILLING MACHINE
- 1.09 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 MAKE A YOKE AND SCREW AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 2.04 PLAIN MILL
- 2.05 FORM MILL
- 2.06 CENTER DRILL
- 2.07 DRILL
- 2.08 TAP
- 2.09 THREAD
- 2.10 KNURL

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 YOKE AND SCREW ARE MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 6 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 CORRECT STOCK SELECTED
- 3.03 1/8 INCH OVERSIZE
- 3.04 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.05 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.06 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.07 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.08 FITS GO/NO-GO THREAD GAUGE
- 3.09 FITS GO/NO-GO THREAD GAUGE
- 3.10 TO \pm 1/64 INCH ON LENGTH PATTERN IS CLEAN AND SHARP

- () 1.01 BLUEPRINT OF A YOKE AND SCREW
- () 1.02 REQUIRED STOCK
- () 1.03 POWER HACK SAW
- () 1.04 POWER BAND SAW
- () 1.05 DRILL PRESS
- () 1.06 LATHE
- () 1.07 HORIZONTAL MILLING MACHINE
- () 1.08 VERTICAL MILLING MACHINE
- () 1.09 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- () 2.01 MAKE A YOKE AND SCREW AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- () 2.02 SELECT STOCK
- () 2.03 CUT STOCK
- () 2.04 PLAIN MILL
- () 2.05 FORM MILL
- () 2.06 CENTER DRILL
- () 2.07 DRILL
- () 2.08 TAP
- () 2.09 THREAD
- () 2.10 KNURL

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- () 3.01 YOKE AND SCREW ARE MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 6 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- () 3.02 CORRECT STOCK SELECTED
- () 3.03 1/8 INCH OVERSIZE
- () 3.04 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.05 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.06 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.07 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.08 FITS GO/NO-GO THREAD GAUGE
- () 3.09 FITS GO/NO-GO THREAD GAUGE
- () 3.10 TO \pm 1/64 INCH ON LENGTH PATTERN IS CLEAN AND SHARP

PROGRAM MACHINE SHOP
USOE CODE NO(S) _____

DIVISION 03 MACHINES
UNIT 05 PROJECTS
TERMOB NO. 16-038

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

5.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 05 PROJECTS

TERMOB NO. 16-039

1.00 CONDITION

- 1.01 BLUEPRINT OF A MACHINIST'S SQUARE
- 1.02 REQUIRED STOCK
- 1.03 POWER HACK SAW
- 1.04 POWER BAND SAW
- 1.05 DRILL PRESS
- 1.06 HORIZONTAL MILLING MACHINE
- 1.07 VERTICAL MILLING MACHINE
- 1.08 SURFACE GRINDER
- 1.09 FURNACE
- 1.10 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 MAKE A MACHINIST'S SQUARE AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS;

- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 2.04 PLAIN MILL
- 2.05 SLOT MILL
- 2.06 FACE MILL
- 2.07 CENTER DRILL
- 2.08 DRILL
- 2.09 REAM
- 2.10 COUNTERSINK
- 2.11 HARDEN
- 2.12 ANGLE GRIND
- 2.13 SURFACE GRIND

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 MACHINIST'S SQUARE IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 15 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 CORRECT STOCK SELECTED
- 3.03 1/8 INCH OVERSIZE
- 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT

- () 1.01 BLUEPRINT OF A MACHINIST'S SQUARE
- () 1.02 REQUIRED STOCK
- () 1.03 POWER HACK SAW
- () 1.04 POWER BAND SAW
- () 1.05 DRILL PRESS
- () 1.06 HORIZONTAL MILLING MACHINE
- () 1.07 VERTICAL MILLING MACHINE
- () 1.08 SURFACE GRINDER
- () 1.09 FURNACE
- () 1.10 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

() 2.01 MAKE A MACHINIST'S SQUARE AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- () 2.02 SELECT STOCK
- () 2.03 CUT STOCK
- () 2.04 PLAIN MILL
- () 2.05 SLOT MILL
- () 2.06 FACE MILL
- () 2.07 CENTER DRILL
- () 2.08 DRILL
- () 2.09 REAM
- () 2.10 COUNTERSINK
- () 2.11 HARDEN
- () 2.12 ANGLE GRIND
- () 2.13 SURFACE GRIND

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

() 3.01 MACHINIST'S SQUARE IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 15 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- () 3.02 CORRECT STOCK SELECTED
- () 3.03 1/8 INCH OVERSIZE
- () 3.04 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.05 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.06 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.07 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.08 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.09 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.10 TO \pm .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.11 HEATED TO CORRECT TEMPERATURE AND QUENCHED
- () 3.12 TO \pm 0° 1'
- () 3.13 TO \pm .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT

PROGRAM MACHINE SHOP
USOE CODE NO(S) _____

DIVISION 03 MACHINES
UNIT 05 PROJECTS
TERMOB NO. 16-039

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

ISSUE NO. _____

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 05 PROJECTS

TERMOB NO. 16-040

1.00 CONDITION

- 1.01 BLUEPRINT OF A HEIGHT GAUGE
- 1.02 REQUIRED STOCK
- 1.03 POWER HACK SAW
- 1.04 POWER BAND SAW
- 1.05 DRILL PRESS
- 1.06 LATHE
- 1.07 HORIZONTAL MILLING MACHINE
- 1.08 VERTICAL MILLING MACHINE
- 1.09 SURFACE GRINDER
- 1.10 CYLINDRICAL GRINDER
- 1.11 FURNACE
- 1.12 BASIC MACHINIST'S TOOLS (TABLE T-3)
- 1.13 ENGRAVING MACHINE

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 MAKE A HEIGHT GAUGE AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 2.04 PLAIN MILL
- 2.05 SLOT MILL
- 2.06 FACE MILL
- 2.07 FORM MILL
- 2.08 CENTER DRILL
- 2.09 DRILL
- 2.10 COUNTER BORE
- 2.11 REAM
- 2.12 TAP
- 2.13 FACE OFF
- 2.14 KNURL
- 2.15 STRAIGHT TURN
- 2.16 RECESS
- 2.17 THREAD
- 2.18 CUT OFF
- 2.19 ENGRAVE NUMBERS
- 2.20 HARDEN
- 2.21 TEMPER
- 2.22 SURFACE GRIND
- 2.23 LAP
- 2.24 ASSEMBLE

PROGRAM
USOE CODE NO(S) MACHINE SHOP

DIVISION 034 MACHINES
UNIT 05 PROJECTS
TERMOB NO. 16-040

1.00 CONDITION

✓ 

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

MISOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 05 PROJECTS

TERMOB NO. 16-040

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

() 3.01 HEIGHT GAUGE IS MADE TO APPROVAL OF BOARD OF EXPERT RATER. TO BE COMPLETED WITHIN 10 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- () 3.02 CORRECT STOCK SELECTED
- () 3.03 1/8 INCH OVERSIZE
- () 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.07 TO CONFORM TO RADIUS GAUGE
- () 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.11 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.12 FITS GO/NO-GO THREAD GAUGE
- () 3.13 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.14 TO ± 1/64 INCH ON LENGTH, PATTERN IS CLEAN AND SHARP
- () 3.15 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.16 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.17 FITS GO/NO-GO THREAD GAUGE
- () 3.18 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.19 NUMBERS ARE LEGIBLE
- () 3.20 HEATED TO CORRECT TEMPERATURE AND QUENCHED
- () 3.21 HEATED TO CORRECT TEMPERATURE AND QUENCHED
- () 3.22 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
- () 3.23 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
- () 3.24 ALL PARTS FIT PROPERLY



PROGRAM
USOE CODE NO(S) MACHINE SHOP

DIVISION 03
UNIT 05
TERMOB NO.

MACHINES

PROJECTS

16-040

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

ISSUE NO. _____

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 05 PROJECTS

TERMOB NO. 16-041

1.00 CONDITION

- 1.01 BLUEPRINT OF A SINE BAR
- 1.02 REQUIRED STOCK
- 1.03 POWER HACK SAW
- 1.04 POWER BAND SAW
- 1.05 DRILL PRESS
- 1.06 LATHE
- 1.07 HORIZONTAL MILLING MACHINE
- 1.08 VERTICAL MILLING MACHINE
- 1.09 SURFACE GRINDER
- 1.10 FURNACE
- 1.11 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 MAKE A SINE BAR AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 2.04 PLAIN MILL
- 2.05 SLOT MILL
- 2.06 FACE MILL
- 2.07 FORM MILL
- 2.08 CENTER DRILL
- 2.09 DRILL
- 2.10 COUNTER BORE
- 2.11 COUNTERSINK
- 2.12 TAP
- 2.13 FACE OFF
- 2.14 STRAIGHT TURN
- 2.15 RECESS
- 2.16 CUT OFF
- 2.17 SURFACE GRIND
- 2.18 HARDEN
- 2.19 TEMPER
- 2.20 LAP
- 2.21 ASSEMBLE

PROGRAM
USOE CODE NO(S) MACHINE SHOP

DIVISION 03 MACHINES
UNIT 05 PROJECTS
TERMOB NO. 16-041

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

WISOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 05 PROJECTS

TERMOB NO. 16-041

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
() 3.01 SINE BAR IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS.
TO BE COMPLETED WITHIN 25 HOURS WITH EACH OPERATION
JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- () 3.02 CORRECT STOCK SELECTED
- () 3.03 1/8 INCH OVERSIZE
- () 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.07 TO ± 1/4°
- () 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.11 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.12 FITS GO/NO-GO THREAD GAUGE
- () 3.13 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.14 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.15 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.16 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.17 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
- () 3.18 HEATED TO CORRECT TEMPERATURE
- () 3.19 HEATED TO CORRECT TEMPERATURE
- () 3.20 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
- () 3.21 ALL PARTS FIT PROPERLY



MISOE NO. _____

PROGRAM
USOE CODE NO(S)

MACHINE SHOP

DIVISION 03

MACHINES

UNIT 05

PROJECTS

TERMOB NO.

16-041

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

1150E NO. _____

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES
UNIT 05 PROJECTS
TERMOB NO. 16-042

1.00 CONDITION

- () 1.01 BLUEPRINT OF AN EDGE FINDER
- () 1.02 REQUIRED STOCK
- () 1.03 POWER HACK SAW
- () 1.04 POWER BAND SAW
- () 1.05 DRILL PRESS
- () 1.06 LATHE
- () 1.07 HORIZONTAL MILLING MACHINE
- () 1.08 VERTICAL MILLING MACHINE
- () 1.09 SURFACE GRINDER
- () 1.10 CYLINDRICAL GRINDER
- () 1.11 FURNACE
- () 1.12 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
() 2.01 MAKE AN EDGE FINDER AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- () 2.02 SELECT STOCK
- () 2.03 CUT STOCK
- () 2.04 SLOT MILL
- () 2.05 CENTER DRILL
- () 2.06 DRILL
- () 2.07 REAM
- () 2.08 FACE OFF
- () 2.09 STRAIGHT TURN
- () 2.10 RECESS
- () 2.11 FORM
- () 2.12 CUT OFF
- () 2.13 HARDEN
- () 2.14 TEMPER
- () 2.15 SURFACE GRIND
- () 2.16 STRAIGHT GRIND
- () 2.17 LAP
- () 2.18 ASSEMBLE



MISOE NO. _____

PROGRAM
USOE CODE NO(S) MACHINE SHOP

DIVISION 03 MACHINES
UNIT 05 PROJECTS
TERMOB NO. 16-042

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

MISOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 05 PROJECTS

TERMOB NO. 16-042

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- () 3.01 EDGE FINDER IS MADE TO APPROVAL OF BOARD OF EXPERT-RATERS. TO BE COMPLETED WITHIN 10 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.
- () 3.02 CORRECT STOCK SELECTED
- () 3.03 1/8 INCH OVERSIZE
- () 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.11 TO ± 1/4°
- () 3.12 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.13 HEATED TO CORRECT TEMPERATURE AND QUENCHED
- () 3.14 HEATED TO CORRECT TEMPERATURE AND QUENCHED
- () 3.15 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
- () 3.16 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
- () 3.17 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
- () 3.18 ALL PARTS FIT PROPERLY

PROGRAM MACHINE SHOP
USOE CODE NO(S) _____

DIVISION 03 MACHINES
UNIT 05 PROJECTS
TERMOB NO. 16-042

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

ISSUE NO. _____

170

PROGRAM MACHINE SHOP

DIVISION	03	MACHINES
UNIT	05	PROJECTS
TERMOB NO.		16-043

1.00 CONDITION

- () 1.01 BLUEPRINT OF A DEPTH GAUGE
- () 1.02 REQUIRED STOCK
- () 1.03 POWER HACK SAW
- () 1.04 POWER BAND SAW
- () 1.05 DRILL PRESS
- () 1.06 LATHE
- () 1.07 SURFACE GRINDER
- () 1.08 FURNACE
- () 1.09 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
 () 2.01 MAKE A DEPTH GAUGE AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- () 2.02 SELECT STOCK
- () 2.03 CUT STOCK
- () 2.04 CENTER DRILL
- () 2.05 DRILL
- () 2.06 COUNTER BORE
- () 2.07 REAM
- () 2.08 TAP
- () 2.09 FACE OFF
- () 2.10 STRAIGHT TURN
- () 2.11 KNURL
- () 2.12 TAPER TURN
- () 2.13 CHAMFER
- () 2.14 THREAD
- () 2.15 HARDEN
- () 2.16 SURFACE GRIND

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
 () 3.01 DEPTH GAUGE IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 20 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- () 3.02 CORRECT STOCK SELECTED
- () 3.03 1/8 INCH OVERSIZE
- () 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT



- () 1.01 BLUEPRINT OF A DEPTH GAUGE
- () 1.02 REQUIRED STOCK
- () 1.03 POWER HACK SAW
- () 1.04 POWER BAND SAW
- () 1.05 DRILL PRESS
- () 1.06 LATHE
- () 1.07 SURFACE GRINDER
- () 1.08 FURNACE
- () 1.09 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

() 2.01 MAKE A DEPTH GAUGE AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- () 2.02 SELECT STOCK
- () 2.03 CUT STOCK
- () 2.04 CENTER DRILL
- () 2.05 DRILL
- () 2.06 COUNTER BORE
- () 2.07 REAM
- () 2.08 TAP
- () 2.09 FACE OFF
- () 2.10 STRAIGHT TURN
- () 2.11 KNURL
- () 2.12 TAPER TURN
- () 2.13 CHAMFER
- () 2.14 THREAD
- () 2.15 HARDEN
- () 2.16 SURFACE GRIND

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

() 3.01 DEPTH GAUGE IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 20 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- () 3.02 CORRECT STOCK SELECTED
- () 3.03 1/8 INCH OVERSIZE
- () 3.04 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.05 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.06 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.07 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.08 FITS GO/NO-GO THREAD GAUGE
- () 3.09 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.10 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.11 TO $\pm 1/64$ INCH ON LENGTH, PATTERN IS CLEAN AND SHARP
- () 3.12 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.13 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.14 FITS GO/NO-GO THREAD GAUGE
- () 3.15 HEATED TO CORRECT TEMPERATURE AND QUENCHED
- () 3.16 TO $\pm .0002$ OR 1/100 INCH AS SPECIFIED IN BLUEPRINT

PROGRAM
USOE CODE NO(S) MACHINE SHOP

DIVISION 03 MACHINES
UNIT 05 PROJECTS
TERMOB NO. 16-043

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

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MISOE NO. _____

179

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 05 PROJECTS

TERMOB NO. 16-044

1.00 CONDITION

- 1.01 BLUEPRINT OF A "V" BLOCK
- 1.02 REQUIRED STOCK
- 1.03 POWER HACK SAW
- 1.04 POWER BAND SAW
- 1.05 HORIZONTAL MILLING MACHINE
- 1.06 VERTICAL MILLING MACHINE
- 1.07 SURFACE GRINDER
- 1.08 FURNACE
- 1.09 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 MAKE A "V" BLOCK AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 2.04 FACE MILL
- 2.05 SLOT MILL
- 2.06 ANGLE MILL
- 2.07 CENTER DRILL
- 2.08 DRILL
- 2.09 TAP
- 2.10 HARDEN
- 2.11 TEMPER
- 2.12 SURFACE GRIND

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 "V" BLOCK IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 15 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 CORRECT STOCK SELECTED
- 3.03 1/8 INCH OVERSIZE
- 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.09 FITS GO/NO-GO THREAD GAUGE
- 3.10 HEATED TO CORRECT TEMPERATURE AND QUENCHED

- () 1.02 REQUIRED STOCK
- () 1.03 POWER HACK SAW
- () 1.04 POWER BAND SAW
- () 1.05 HORIZONTAL MILLING MACHINE
- () 1.06 VERTICAL MILLING MACHINE
- () 1.07 SURFACE GRINDER
- () 1.08 FURNACE
- () 1.09 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

() 2.01 MAKE A "V" BLOCK AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- () 2.02 SELECT STOCK
- () 2.03 CUT STOCK
- () 2.04 FACE MILL
- () 2.05 SLOT MILL
- () 2.06 ANGLE MILL
- () 2.07 CENTER DRILL
- () 2.08 DRILL
- () 2.09 TAP
- () 2.10 HARDEN
- () 2.11 TEMPER
- () 2.12 SURFACE GRIND

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

() 3.01 "V" BLOCK IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 15 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY, OR UNSATISFACTORY.

- () 3.02 CORRECT STOCK SELECTED
- () 3.03 1/8 INCH OVERSIZE
- () 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.09 FITS GO/NO-GO THREAD GAUGE
- () 3.10 HEATED TO CORRECT TEMPERATURE AND QUENCHED
- () 3.11 HEATED TO CORRECT TEMPERATURE AND QUENCHED
- () 3.12 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT

MTSOE (NO. _____)

PROGRAM MACHINE SHOP
USOE CODE NO.(S) _____

DIVISION 03 MACHINES
UNIT 05 PROJECTS
TERMOB NO. 16-044

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

MSOE NO. _____

182

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES
UNIT 05 PROJECTS
TERMOB NO. 16-045

1.00 CONDITION

- 1.01 BLUEPRINT OF A MILLING CUTTER
- 1.02 REQUIRED STOCK
- 1.03 POWER HACK SAW
- 1.04 POWER BAND SAW
- 1.05 DRILL PRESS
- 1.06 LATHE
- 1.07 VERTICAL MILLING MACHINE
- 1.08 SURFACE GRINDER
- 1.09 TOOL AND CUTTER GRINDER
- 1.10 FURNACE
- 1.11 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
 2.01 MAKE A MILLING CUTTER AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 2.04 SLOT MILL
- 2.05 FORM MILL
- 2.06 DRILL
- 2.07 BORE
- 2.08 COUNTER SINK
- 2.09 STRAIGHT TURN
- 2.10 FACE OFF
- 2.11 HARDEN
- 2.12 TEMPER
- 2.13 STRAIGHT GRIND
- 2.14 SURFACE GRIND

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
 3.01 MILLING CUTTER IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 15 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 CORRECT STOCK SELECTED
- 3.03 1/8 INCH OVERSIZE
- 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- 3.05 TO ± 1/4°
- 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT



- () 1.01 BLUEPRINT OF A MILLING CUTTER
- () 1.02 REQUIRED STOCK
- () 1.03 POWER HACK SAW
- () 1.04 POWER BAND SAW
- () 1.05 DRILL PRESS
- () 1.06 LATHE
- () 1.07 VERTICAL MILLING MACHINE
- () 1.08 SURFACE GRINDER
- () 1.09 TOOL AND CUTTER GRINDER
- () 1.10 FURNACE
- () 1.11 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- () 2.01 MAKE A MILLING CUTTER AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- () 2.02 SELECT STOCK
- () 2.03 CUT STOCK
- () 2.04 SLOT MILL
- () 2.05 FORM MILL
- () 2.06 DRILL
- () 2.07 BORE
- () 2.08 COUNTER SINK
- () 2.09 STRAIGHT TURN
- () 2.10 FACE OFF
- () 2.11 HARDEN
- () 2.12 TEMPER
- () 2.13 STRAIGHT GRIND
- () 2.14 SURFACE GRIND

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- () 3.01 MILLING CUTTER IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 15 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- () 3.02 CORRECT STOCK SELECTED
- () 3.03 1/8 INCH OVERSIZE
- () 3.04 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.05 TO $\pm 1/4^\circ$
- () 3.06 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.07 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.08 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.09 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.10 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.11 HEATED TO CORRECT TEMPERATURE AND QUENCHED
- () 3.12 HEATED TO CORRECT TEMPERATURE AND QUENCHED
- () 3.13 TO $\pm .0002$ OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
- () 3.14 TO $\pm .0002$ OR 1/100 INCH AS SPECIFIED IN BLUEPRINT

PROGRAM MACHINE SHOP
USOE CODE NO(S) _____

DIVISION 03 MACHINES
UNIT 05 PROJECTS
TERMOB NO. 16-045

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME



3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

184

MISOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 05 PROJECTS

TERMOB NO. 16-046

1.00 CONDITION

- 1.01 BLUEPRINT OF A TAP WRENCH
- 1.02 REQUIRED STOCK
- 1.03 POWER HACK SAW
- 1.04 POWER BAND SAW
- 1.05 DRILL PRESS
- 1.06 LATHE
- 1.07 HORIZONTAL MILLING MACHINE
- 1.08 VERTICAL MILLING MACHINE
- 1.09 SURFACE GRINDER
- 1.10 FURNACE
- 1.11 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 MAKE A TAP WRENCH AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 2.04 SLOT MILL
- 2.05 FACE MILL
- 2.06 FORM MILL
- 2.07 CENTER DRILL
- 2.08 DRILL
- 2.09 REAM
- 2.10 COUNTERSINK
- 2.11 TAP
- 2.12 FACE OFF
- 2.13 STRAIGHT TURN
- 2.14 KNURL
- 2.15 TAPER TURN
- 2.16 THREAD
- 2.17 FORM
- 2.18 CUT OFF
- 2.19 SURFACE GRIND
- 2.20 HARDEN
- 2.21 ASSEMBLE

MISOE NO. _____

PROGRAM
USOE CODE NO(S) MACHINE SHOP

DIVISION 03 MACHINES
UNIT 05 PROJECTS
TERMOB NO. 16-046

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

MISOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 05 PROJECTS

TERMOB NO. 16-046

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

() 3.01 TAP WRENCH IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 15 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- () 3.02 CORRECT STOCK SELECTED
- () 3.03 1/8 INCH OVERSIZE
- () 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.11 FITS GO/NO-GO THREAD GAUGE
- () 3.12 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.13 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.14 TO ± 1/64 ON LENGTH, PATTERN IS CLEAN AND SHARP
- () 3.15 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.16 FITS GO/NO-GO THREAD GAUGE
- () 3.17 TO ± 1/4°
- () 3.18 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.19 TO ± .001
- () 3.20 HEATED TO CORRECT TEMPERATURE AND QUENCHED
- () 3.21 ALL PARTS FIT PROPERLY

PROGRAM • MACHINE SHOP
USOE CODE NO(S) _____

DIVISION 03 MACHINES
UNIT 05 PROJECTS
TERMOB NO. 16-046

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

ISSUE NO. _____

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 05 PROJECTS

TERMOB NO. 16-047

1.00 CONDITION

- 1.01 BLUEPRINT OF PRECISION TOOL MAKER'S VISE
- 1.02 REQUIRED STOCK
- 1.03 POWER HACK SAW
- 1.04 POWER BAND SAW
- 1.05 DRILL PRESS
- 1.06 LATHE
- 1.07 HORIZONTAL MILLING MACHINE
- 1.08 VERTICAL MILLING MACHINE
- 1.09 SURFACE GRINDER
- 1.10 CYLINDRICAL GRINDER
- 1.11 FURNACE
- 1.12 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 MAKE A PRECISION TOOL MAKER'S VISE AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 2.04 FACE OFF
- 2.05 CENTER DRILL
- 2.06 STRAIGHT TURN
- 2.07 CHAMFER
- 2.08 RECESS
- 2.09 THREAD
- 2.10 PLAIN MILL
- 2.11 FACE MILL
- 2.12 SLOT MILL
- 2.13 ANGLE MILL
- 2.14 DRILL
- 2.15 REAM
- 2.16 COUNTERSINK
- 2.17 TAP
- 2.18 HARDEN
- 2.19 TEMPER
- 2.20 SURFACE GRIND
- 2.22 ANGLE GRIND
- 2.23 LAP
- 2.24 ASSEMBLE

PROGRAM
USOE CODE NO(S) MACHINE SHOP

DIVISION 03 MACHINES
UNIT 05 PROJECTS
TERMOB NO. 16-047

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

ISOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 05 PROJECTS

TERMOB NO. 16-047

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

() 3.01 PRECISION TOOL MAKER'S VISE IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 30 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- () 3.02 CORRECT STOCK SELECTED
- () 3.03 1/8 INCH OVERSIZE
- () 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.09 FITS GO/NO-GO THREAD GAUGE
- () 3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.11 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.12 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.13 TO ± 1/4°
- () 3.14 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.15 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.16 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.17 FITS GO/NO-GO THREAD GAUGE
- () 3.18 HEATED TO CORRECT TEMPERATURE AND QUENCHED
- () 3.19 HEATED TO CORRECT TEMPERATURE AND QUENCHED
- () 3.20 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
- () 3.21 TO ± 0° 5'
- () 3.22 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
- () 3.23 ALL PARTS FIT PROPERLY

PROGRAM
USOE CODE NO(S)

MACHINE SHOP

DIVISION 03

MACHINES

UNIT 05

PROJECTS.

TERMOB NO.

16-047

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

ISOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 05 PROJECTS

TERMOB NO. 16-048

1.00 CONDITION

- 1.01 BLUEPRINT OF A SINE PLATE
- 1.02 REQUIRED STOCK
- 1.03 POWER HACK SAW
- 1.04 POWER BAND SAW
- 1.05 DRILL PRESS
- 1.06 LATHE
- 1.07 HORIZONTAL MILLING MACHINE
- 1.08 VERTICAL MILLING MACHINE
- 1.09 SURFACE GRINDER
- 1.10 CYLINDRICAL GRINDER
- 1.11 FURNACE
- 1.12 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 MAKE A SINE PLATE AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 2.04 PLAIN MILL
- 2.05 SLOT MILL
- 2.06 FACE MILL
- 2.07 FORM MILL
- 2.08 CENTER DRILL
- 2.09 DRILL
- 2.10 COUNTER BORE
- 2.11 REAM
- 2.12 COUNTERSINK
- 2.13 TAP
- 2.14 FACE OFF
- 2.15 STRAIGHT TURN
- 2.16 RECESS
- 2.17 CUT OFF
- 2.18 SURFACE GRIND
- 2.19 ANGLE GRIND
- 2.20 HARDEN
- 2.21 TEMPER
- 2.22 LAP

PROGRAM
USOE CODE NO(S) MACHINE SHOP

DIVISION 03 MACHINES
UNIT 05 PROJECTS
TERMOB NO. 16-048

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

MISOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 05 PROJECTS

TERMOB NO. 16-048

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

() 3.01 SINE PLATE IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 30 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- () 3.02 CORRECT STOCK SELECTED
- () 3.03 1/8 INCH OVERSIZE
- () 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.07 TO ± 1/4°
- () 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.09 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.10 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.11 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.12 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.13 FITS GO/NO-GO THREAD GAUGE
- () 3.14 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.15 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.16 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.17 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.18 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
- () 3.19 TO ± 0° 1'
- () 3.20 HEATED TO CORRECT TEMPERATURE AND QUENCHED
- () 3.21 HEATED TO CORRECT TEMPERATURE AND QUENCHED
- () 3.22 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT



PROGRAM MACHINE SHOP
USOE CODE NO(S) _____

DIVISION 03 MACHINES
UNIT 05 PROJECTS
TERMOB NO. 16-048

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

UNISOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 05 PROJECTS

TERMOB NO. 16-049

1.00 CONDITION

- 1.01 BLUEPRINT OF BENCH VISE
- 1.02 REQUIRED STOCK
- 1.03 POWER HACK SAW
- 1.04 POWER BAND SAW
- 1.05 DRILL PRESS
- 1.06 LATHE
- 1.07 HORIZONTAL MILLING MACHINE
- 1.08 VERTICAL MILLING MACHINE
- 1.09 SURFACE GRINDER
- 1.10 CYLINDRICAL GRINDER
- 1.11 FURNACE
- 1.12 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 MAKE A BENCH VISE AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 2.04 FACE OFF
- 2.05 CENTER DRILL
- 2.06 STRAIGHT TURN
- 2.07 RECESS
- 2.08 CHAMFER
- 2.09 THREAD
- 2.10 FORM
- 2.11 FACE MILL
- 2.12 PLAIN MILL
- 2.13 SLOT MILL
- 2.14 FORM MILL
- 2.15 DRILL
- 2.16 BORE
- 2.17 COUNTER BORE
- 2.18 REAM
- 2.19 COUNTERSINK
- 2.20 TAP
- 2.21 HARDEN
- 2.22 TEMPER
- 2.23 SURFACE GRIND
- 2.24 ASSEMBLE

PROGRAM
USOE CODE NO(S) MACHINE SHOP

DIVISION 03 MACHINES
UNIT 05 PROJECTS
TERMOB NO. 16-049

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME



ALSOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 05 PROJECTS

TERMOB NO. 16-049

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

() 3.01 BENCH VISE IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS.
TO BE COMPLETED WITHIN 22 HOURS WITH EACH OPERATION
JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- () 3.02 CORRECT STOCK SELECTED
- () 3.03 1/8 INCH OVERSIZE
- () 3.04 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.05 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.06 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.07 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.08 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.09 FITS GO/NO-GO THREAD GAUGE
- () 3.10 TO ± 1/4°
- () 3.11 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.12 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.13 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.14 TO ± 1/4°
- () 3.15 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.16 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.17 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.18 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.19 TO ± .005 OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.20 FITS GO/NO-GO THREAD GAUGE
- () 3.21 HEATED TO CORRECT TEMPERATURE AND QUENCHED
- () 3.22 HEATED TO CORRECT TEMPERATURE AND QUENCHED
- () 3.23 TO ± .0002 OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
- () 3.24 ALL PARTS FIT PROPERLY

PROGRAM	<u>MACHINE SHOP</u>	DIVISION	03	<u>MACHINES</u>
USOE CODE NO(S)	_____	UNIT	05	<u>PROJECTS</u>
	_____	TERMOB NO.		<u>16-049</u>
	_____			_____
	_____			_____

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

WISOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 05 PROJECTS

TERMOB NO. 16-050

1.00 CONDITION

- 1.01 BLUEPRINT OF A PLANER GAUGE
- 1.02 REQUIRED STOCK
- 1.03 POWER HACK SAW
- 1.04 POWER BAND SAW
- 1.05 DRILL PRESS
- 1.06 LATHE
- 1.07 HORIZONTAL MILLING MACHINE
- 1.08 VERTICAL MILLING MACHINE
- 1.09 SURFACE GRINDER
- 1.10 FURNACE
- 1.11 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 MAKE A PLANER GAUGE AS SPECIFIED IN BLUEPRINT EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT STOCK
- 2.03 CUT STOCK
- 3.04 FACE OFF
- 3.05 CENTER DRILL
- 3.06 STRAIGHT TURN
- 3.07 TAPER TURN
- 3.08 THREAD
- 3.09 KNURL
- 3.10 PLAIN MILL
- 3.11 SLOT MILL
- 3.12 FACE MILL
- 3.13 DRILL
- 3.14 TAP
- 3.15 HARDEN
- 3.16 TEMPER
- 3.17 SURFACE GRIND
- 3.18 ANGLE GRIND
- 3.19 ASSEMBLE

PROGRAM
USOE CODE NO(S) MACHINE SHOP

DIVISION 03 MACHINES
UNIT 05 PROJECTS
TERMOB NO. 16-050

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

ISOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 05 PROJECTS

TERMOB NO. 16-050

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

() 3.01 PLANER GAUGE IS MADE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 30 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- () 3.02 CORRECT STOCK SELECTED
- () 3.03 1/8 INCH OVERSIZE
- () 3.04 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.05 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.06 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.07 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.08 FITS GO/NO-GO THREAD GAUGE
- () 3.09 TO $\pm 1/64$ INCH ON LENGTH, PATTERN IS CLEAN AND SHARP
- () 3.10 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.11 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.12 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.13 TO $\pm .005$ OR 1/64 INCH AS SPECIFIED IN BLUEPRINT
- () 3.14 FITS GO/NO-GO THREAD GAUGE
- () 3.15 HEATED TO CORRECT TEMPERATURE AND QUENCHED
- () 3.16 HEATED TO CORRECT TEMPERATURE AND QUENCHED
- () 3.17 TO $\pm .0002$ OR 1/100 INCH AS SPECIFIED IN BLUEPRINT
- () 3.18 TO $\pm 0^{\circ} 5'$
- () 3.19 ALL PARTS FIT PROPERLY



MISOE NO. _____

PROGRAM
USOE CODE NO(S) MACHINE SHOP

DIVISION . 03
UNIT 05
TERMOB NO.

MACHINES

PROJECTS

16-050

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

ISOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 03 MACHINES

UNIT 06 SHAPER-PLANER

TERMOB NO. 16-067

1.00 CONDITION

- 1.01 BLUEPRINT OF A MACHINIST'S VISE
- 1.02 REQUIRED STOCK
- 1.03 SHAPER-PLANER
- 1.04 BASIC MACHINIST'S TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 ROUGH OUT MACHINIST'S VISE JAW EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SELECT STOCK
- 2.03 SECURE PIECE TO SHAPER-PLANER
- 2.04 ROUGH OUT VISE JAW

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 VISE JAW IS ROUGHED OUT TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 30 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 CORRECT STOCK SELECTED
- 3.03 PIECE WILL NOT MOVE UNDER WORKING PRESSURE
- 3.04 TO + 1/32 -0

MISOE NO. _____

PROGRAM MACHINE SHOP
USOE CODE(S) _____

DIVISION 03 MACHINES
UNIT 06 SHAPER-PLANER
TERMOB NO. 16-067

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

150E NO. _____

PROGRAM MACHINE SHOP

DIVISION 04 INSPECTION

UNIT 01 COMPARATOR

TERMOB NO. 16-051

1.00 CONDITION

- 1.01 BLUEPRINT OF A SCREW
- 1.02 SCREW
- 1.03 OPTICAL COMPARATOR
- 1.04 TEMPERATURE CONTROLLED ROOM
- 1.05 MACHINERY HANDBOOK

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 INSPECT SCREW FOR DEFECTS EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SET UP MACHINE
- 2.03 MOUNT WORK
- 2.04 VERTICAL MEASURE
- 2.05 HORIZONTAL MEASURE
- 2.06 THREAD MEASURE

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 SCREW IS INSPECTED FOR DEFECTS TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 20 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 ALL SETTINGS CORRECT
- 3.03 PROPERLY ALIGNED, SECURELY IN PLACE
- 3.04 TO \pm .0001 INCH
- 3.05 TO \pm .0001 INCH
- 3.06 TO \pm .0001 INCH

PROGRAM MACHINE SHOP
USOE CODE NO(S) _____

DIVISION 04 INSPECTION
UNIT 01 COMPARATOR
TERMOB NO. 16-051

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

VISOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 04 INSPECTION

UNIT 01 COMPARATOR

TERMOB NO. 16-052

1.00 CONDITION

- 1.01 # 10 TAP WHICH IS NOT OPERATING PROPERLY
- 1.02 OPTICAL COMPARATOR
- 1.03 TEMPERATURE CONTROLLED ROOM
- 1.04 MACHINERY HANDBOOK

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
 2.01 LOCATE DEFECT IN TAP EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 SET UP MACHINE
- 2.03 MOUNT WORK
- 2.04 VERTICAL MEASURE
- 2.05 RADIUS MEASURE
- 2.06 THREAD MEASURE

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
 3.01 DEFECT IS LOCATED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 20 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 ALL SETTING CORRECT
- 3.03 PROPERLY ALIGNED, SECURELY IN PLACE
- 3.04 TO $\pm .0001$
- 3.05 TO $\pm 0^{\circ} 1'$
- 3.06 TO $\pm .0001$

MISOE NO. _____

PROGRAM USE CODE NO(S) MACHINE SHOP

DIVISION 04 INSPECTION
UNIT 01 COMPARATOR
TERMOB NO. 16-052

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

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PROGRAM	<u>MACHINE SHOP</u>	DIVISION	04	<u>INSPECTION</u>
USOE CODE NO(S)	_____	UNIT	02	<u>HARDNESS TESTER</u>
	_____	TERMOB NO.		<u>16-053</u>

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

PROGRAM
USOE CODE NO(S) MACHINE SHOP

DIVISION 04 INSPECTION
UNIT 02 HARDNESS TESTER
TERMOB NO. 16-054

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

1150E NO. _____

PROGRAM MACHINE SHOP

DIVISION 04 INSPECTION

UNIT 03 HAND MEASUREMENT

TERMOB NO. 16-055

1.00 CONDITION

- 1.01 BLUEPRINT OF A WASHER
- 1.02 VERNIER-CALIPER
- 1.03 MACHINED WASHER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
 2.01 INSPECT SIZE OF WASHER EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 MEASURE INTERIOR DIAMETER
- 2.03 MEASURE EXTERIOR DIAMETER
- 2.04 MEASURE THICKNESS

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
 3.01 SIZE OF WASHER IS INSPECTED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 15 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 TO $\pm .001$
- 3.03 TO $\pm .001$
- 3.04 TO $\pm .001$

PROGRAM MACHINE SHOP
USOE CODE NO(S) _____

DIVISION 04 INSPECTION
UNIT 03 HAND MEASUREMENT
TERMOB NO. 16-055

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

ISSUE NO. _____

PROGRAM MACHINE SHOP

DIVISION 04 INSPECTION

UNIT 03 HAND MEASUREMENT

TERMOB NO. 16-056

1.00 CONDITION

- 1.01 BLUEPRINT OF A GAUGE BLOCK
- 1.02 MACHINED AND GROUND GAUGE BLOCK
- 1.03 VERNIER MICROMETER
- 1.04 DIAL INDICATOR MICROMETER
- 1.05 TEMPERATURE CONTROLLED ROOM

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
 2.01 MEASURE DIMENSIONS OF GAUGE BLOCK EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 MEASURE HEIGHT
- 2.03 MEASURE WIDTH
- 2.04 MEASURE DEPTH

3.00 EXTENT

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
 3.01 DIMENSIONS ARE MEASURED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 20 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 TO $\pm .0001$ INCH
- 3.03 TO $\pm .0001$ INCH
- 3.04 TO $\pm .0001$ INCH

MISOE NO. _____

PROGRAM MACHINE SHOP
USOE CODE NO(S) _____

DIVISION 04 INSPECTION
UNIT 03 HAND MEASUREMENT
TERMOB NO. 16-056

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

WISOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 04 INSPECTION

UNIT 03 HAND MEASUREMENT

TERMOB NO. 16-057

1.00 CONDITION

- 1.01 WORK PIECE WITH 2 MACHINED HOLES
- 1.02 VERNIER CALIPER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 DETERMINE DISTANCE BETWEEN HOLE CENTERS EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 MEASURE DISTANCE BETWEEN OUTSIDE EDGES
- 2.03 MEASURE DISTANCE BETWEEN INSIDE EDGES
- 2.04 COMPUTE AVERAGE

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 DISTANCE IS DETERMINED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 15 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 TO $\pm .001$
- 3.03 TO $\pm .001$
- 3.04 EXACTLY

PROGRAM
USOE CODE NO(S) MACHINE SHOP

DIVISION 04 INSPECTION
UNIT 03 HAND MEASUREMENT
TERMOB NO. 16-057

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

ISOE NO. _____

PROGRAM MACHINE SHOP

DIVISION 04. INSPECTION

UNIT 03 HAND MEASUREMENT

TERMOB NO. 16-066

1.00 CONDITION

- 1.01 10 GAUGE BLOCKS OF THE SAME SIZE
- 1.02 DIAL INDICATOR (0-1 INCH BY .0001)
- 1.03 BASE AND STAND FOR DIAL INDICATOR

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 DETERMINE RANGE OF ACCURACY OF GAUGE BLOCKS EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 MEASURE GAUGE BLOCKS
- 2.03 DETERMINE RANGE

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 RANGE OF ACCURACY DETERMINED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 10 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 TO \pm .0001
- 3.03 TO \pm .0001

MISOE NO. _____

PROGRAM
USOE CODE(S) MACHINE SHOP

DIVISION 04 INSPECTION
UNIT 03 HAND MEASUREMENT
TERMOB NO. 16-066

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

MISOE NO. _____

PROGRAM

MACHINE SHOP

DIVISION 04

INSPECTION

UNIT 04

INDICATORS

TERMOB NO.

16-068

1.00 CONDITION

- 1.01 10 MILLED HARDENED AND GROUND GAUGE BLOCKS
- 1.02 DIAL INDICATOR
- 1.03 INDICATOR STAND
- 1.04 BASIC MACHINIST'S HAND TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 DETERMINE RANGE OF SIZE OF GAUGE BLOCKS EMPLOYING THE FOLLOWING OPERATIONS:

- 2.02 MEASURE GAUGE BLOCKS
- 2.03 DETERMINE RANGE

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 RANGE OF SIZE OF GAUGE BLOCKS IS DETERMINED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 30 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

- 3.02 TO $\pm .00005$
- 3.03 TO $\pm .00005$

ISSUE NO. _____

PROGRAM MACHINE SHOP

DIVISION 04 INSPECTION

UNIT 05 THREAD MEASUREMENT

TERMOB NO. 16-070

1.00 CONDITION

- 1.01 THREADED BOLT, ANY SIZE
- 1.02 THREADED NUT, ANY SIZE
- 1.03 SCREW PITCH GAUGE
- 1.04 THREAD MICROMETER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 IDENTIFY THREAD SIZE EMPLOYING THE FOLLOWING OPERATIONS:
 - 2.02 MEASURE OUTSIDE DIAMETER
 - 2.03 MEASURE ROOT DIAMETER
 - 2.04 MEASURE PITCH
 - 2.05 CALCULATE PITCH DIAMETER

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 THREAD SIZE IDENTIFIED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 20 MINUTES WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.
 - 3.02 TO $\pm .001$
 - 3.03 TO $\pm .001$
 - 3.04 EXACTLY

MISOE NO. _____

PROGRAM
USOE CODE(s) MACHINE SHOP

DIVISION 04 INSPECTION
UNIT 05 HAND MEASUREMENT
TERMOB NO. 16-070

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

TABLE T-3

BASIC MACHINIST'S TOOLS

HAND TOOLS

BALL PEEN HAMMER
 SOFT-HEADED HAMMER
 SET OF SCREW DRIVERS
 BENCH VISE
 SET OF FILES
 SET OF CHISELS
 OPEN END WRENCHES
 ADJUSTABLE WRENCHES
 BOX WRENCHES
 SOCKET WRENCHES
 SET-SCREW WRENCHES
 SPANNER WRENCHES
 HAND TAP SETS
 TAP WRENCHES
 SET OF DRILLS
 HAND REAMERS
 HACK SAWS
 COUNTERSINK SET

LAYOUT TOOLS

SCRIBER
 PRICK PUNCH
 CENTER PUNCH
 AUTOMATIC CENTRAL PUNCH
 DIVIDERS
 STEEL BEAM TRAMMELS
 KEYSEAT RULE
 COMBINATION SQUARE SET
 HERMAPHRODITE CALIPER
 ANGLE PLATES

MEASURING TOOLS

STEEL RULE
 SHORT-LENGTH RULE AND HOLDERS
 NARROW RULE
 TAPE RULE
 HOOK RULE
 RULE DEPTH GAUGE
 SLIDE CALIPER RULE
 COMBINATION SET
 INSIDE AND OUTSIDE CALIPERS
 MICROMETERS (0-1, 1-2, 2-3)
 INSIDE MICROMETER CALIPER
 INSIDE MICROMETER
 MICROMETER DEPTH GAUGE
 VERNIER MICROMETER
 VERNIER CALIPER
 VERNIER HEIGHT GAUGE
 VERNIER BEVEL PROTRACTOR
 DIAL INDICATOR
 THREAD GAUGE
 VEE BLOCK
 SURFACE GAUGE
 DEPTH GAUGE

SET OF CHISELS
OPEN END WRENCHES
ADJUSTABLE WRENCHES
BOX WRENCHES
SOCKET WRENCHES
SET-SCREW WRENCHES
SPANNER WRENCHES
HAND TAP SETS
TAP WRENCHES
SET OF DRILLS
HAND REAMERS
HACK SAWS
COUNTERSINK SET

LAYOUT TOOLS

SCRIBER
PRICK PUNCH
CENTER PUNCH
AUTOMATIC CENTRAL PUNCH
DIVIDERS
STEEL BEAM TRAMMELS
KEYSEAT RULE
COMBINATION SQUARE SET
HERMAPHRODITE CALIPER
ANGLE PLATES

MEASURING TOOLS

STEEL RULE
SHORT-LENGTH RULE AND HOLDERS
NARROW RULE
TAPE RULE
HOOK RULE
RULE DEPTH GAUGE
SLIDE CALIPER RULE
COMBINATION SET
INSIDE AND OUTSIDE CALIPERS
MICROMETERS (0-1, 1-2, 2-3)
INSIDE MICROMETER CALIPER
INSIDE MICROMETER
MICROMETER DEPTH GAUGE
VERNIER MICROMETER
VERNIER CALIPER
VERNIER HEIGHT GAUGE
VERNIER BEVEL PROTRACTOR
DIAL INDICATOR
THREAD GAUGE
VEE BLOCK
SURFACE GAUGE
DEPTH GAUGE

BOOKS

MACHINERY HANDBOOK

ASSORTED CUTTING TOOLS
INCLUDING BUT NOT LIMITED TO:

END MILLS
MILLING CUTTERS
BORING BARS
FLY CUTTERS
SLOTING CUTTERS
SAW BLADES

228

TABLE T-3A

WELDING HAND TOOLS

WIRE BRUSH

CHIPPING HAMMER

HAMMER

WEDGES

CLAMPS

PLIERS

TONGS

GLOVES

SHIELD

APRON

TABLE T-3B

OXYGEN-ACETYLENE GAS WELDING EQUIPMENT

CYLINDER OF OXYGEN

CYLINDER OF ACETYLENE

CONNECTING HOSES

REGULATORS

APPARTUS WRENCH

WELDING TIPS

TORCH

SPARK LIGHTER

WELDING RODS

Table T-4 Additional TERMOB Performance Statements

This form is provided for the addition of TERMOB performance statements to ensure more complete coverage of your program. Please provide a comprehensive performance statement (coded 2.01 on each TERMOB) for each area of deficiency that you have identified.

The performance statement need only be listed identified by the division and unit numbers of the deficient areas; the conditions and extents will be incorporated later.

1. Division _____ Performance Statement _____
Unit _____

2. Division _____ Performance Statement _____
Unit _____

3. Division _____ Performance Statement _____
Unit _____

4. Division _____ Performance Statement _____
Unit _____

5. Division _____ Performance Statement _____
Unit _____

6. Division _____ Performance Statement _____
Unit _____

7. Division _____ Performance Statement _____

1. Division _____
Unit _____

Performance Statement _____

2. Division _____
Unit _____

Performance Statement _____

3. Division _____
Unit _____

Performance Statement _____

4. Division _____
Unit _____

Performance Statement _____

5. Division _____
Unit _____

Performance Statement _____

6. Division _____
Unit _____

Performance Statement _____

7. Division _____
Unit _____

Performance Statement _____

Table T-4 (Cont'd) Additional TERMOB Performance Statements

This form is provided for the addition of TERMOB performance statements to ensure more complete coverage of your program. Please provide a comprehensive performance statement (coded 2.01 on each TERMOB) for each area of deficiency that you have identified.

The performance statement need only be listed identified by the division and unit numbers of the deficient areas; the conditions and extents will be incorporated later.

8. Division _____ Performance Statement _____
Unit _____

9. Division _____ Performance Statement _____
Unit _____

10. Division _____ Performance Statement _____
Unit _____

11. Division _____ Performance Statement _____
Unit _____

12. Division _____ Performance Statement _____
Unit _____

13. Division _____ Performance Statement _____
Unit _____

and extents will be incorporated later.

8. Division _____

Unit _____

Performance Statement _____

9. Division _____

Unit _____

Performance Statement _____

10. Division _____

Unit _____

Performance Statement _____

11. Division _____

Unit _____

Performance Statement _____

12. Division _____

Unit _____

Performance Statement _____

13. Division _____

Unit _____

Performance Statement _____

14. Division _____

Unit _____

Performance Statement _____

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