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OCCUPATIONAL SURVEY REPORT ELECTRONIC PRINCIPLES

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13 SUMMARY REPORT FOR
AFSCs TRAINED AT CHANUTE AFB
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OCCUPATIONAL SURVEY BRANCH
USAF OCCUPATIONAL MEASUREMENT CENTER
LACKLAND AFB TEXAS 78236

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PREFACE

This report presents a summary of the results of a detailed Air Force Electronic Principles Survey of airmen in Air Force Specialties for which training is provided at Chanute AFB.

The Electronic Principles Inventory (EPI) was developed by Major Thomas J. O'Connor and Mr. Hendrick W. Ruck and the survey report was prepared by Capt Charles D. Gorman. All are members of the Occupational Survey Branch, USAF Occupational Measurement Center, Lackland AFB, Texas.

Computer programs for analyzing the data were designed by Dr. Raymond E. Christal, Occupational and Manpower Research Division, Air Force Human Resources Laboratory (AFHRL), and were written by the Project Analysis and Programming Branch, Computational Sciences Division, AFHRL.

Distribution of this report is made upon request to the USAF Occupational Measurement Center, attention of the Chief, Occupational Survey Branch (OMY), Lackland AFB, Texas 78236.

This report has been reviewed and is approved.

JAMES A. TURNER, JR., Colonel, USAF
Commander
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ELECTRONIC PRINCIPLES OCCUPATIONAL SURVEY REPORT
SUMMARY FOR AFSCs TRAINED AT CHANUTE AFB

INTRODUCTION

This report summarizes the results of the administration of the Electronic Principles Inventory (EPI) to airmen assigned to Air Force Specialties for which training is provided at Chanute AFB. The data for this report were collected during the period January 1976 through September 1977.

This report describes: (1) development and administration of the survey instrument; and (2) electronic principles used by airmen in specialties trained at Chanute AFB. This report is intended as a summary of EPI data. More complete information on any given AFSC can be obtained by examining the Electronic Principles Occupational Survey Report for that AFSC. Such reports are available upon request from the USAF Occupational Measurement Center, Lackland AFB, Texas 78236.

DEVELOPMENT OF THE ELECTRONIC PRINCIPLES INVENTORY (EPI)

EPI was developed by personnel from the Occupational Survey Branch who were well qualified in theoretical physics and electronics, as well as in task analysis and survey development. Over 300 maintenance personnel from SAC, TAC, ADC, MAC, and AFCS participated in the development of the inventory. Representing the five ATC training centers, electronics experts who averaged 12 years of maintenance experience and four years of electronic principles instruction experience spent several weeks refining the EPI. In addition, personnel at the Electrical Engineering Department of the USAF Academy and the Air Force Human Resources Laboratory were consulted during the development of the inventory.

The final version of the EPI used in this survey contained 1,257 items in 62 subject matter areas covering all electronic principles training given at the five ATC technical training centers. Table 1 lists the 62 subject areas and the item numbers contained therein.

A more detailed history of the development and validation of the Electronic Principles Inventory is contained in OM Technical Note 77-02, The Development and Application of the Electronic Principles Job Inventory, October 1977. Copies of this Technical Note are available upon request to the Branch Chief, OMY, USAF Occupational Measurement Center, Lackland AFB, Texas 78236.

ADMINISTRATION

The Electronic Principles Inventory was administered either by mail or in person to airmen in 20 specialties for which training is provided at Chanute AFB. Those specialties are listed in Table 2. More detailed information concerning the survey sample for any given specialty can be obtained from the previously mentioned report for that specialty.

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TABLE 1
EPI SUBJECT AREAS

<u>SUBJECT AREA TITLE</u>	<u>BEGINNING ITEM NUMBER</u>
MATHEMATICS	A1
DIRECT CURRENT AND VOLTAGE	A15
RESISTANCE	A24
MULTIMETER USES	B52
ALTERNATING CURRENT	B61
INDUCTORS AND INDUCTIVE REACTANCE	B67
CAPACITORS AND CAPACITIVE REACTANCE	C92
TRANSFORMERS	C128
MAGNETISM	C171
RCL CIRCUITS	D185
SERIES AND PARALLEL RESONANCE (TIME CONSTANTS)	D229
FILTERS	D239
COUPLING	E261
SOLDERING	E273
RELAYS	E295
MICROPHONES	F314
SPEAKERS	F327
OSCILLOSCOPES	F342
SEMICONDUCTOR DIODES	G354
TRANSISTORS	G404
TRANSISTOR AMPLIFIERS	G428
SOLID-STATE SPECIAL PURPOSE DEVICES	H477
POWER SUPPLIES	H483
OSCILLATORS	H512
MULTIVIBRATORS	I539
LIMITERS AND CLAMPERS	I555
ELECTRON TUBES	I565
ELECTRON TUBE AMPLIFIERS AND CIRCUITS	J609
SPECIAL PURPOSE ELECTRON TUBES	J616
HETERODYNING, MODULATION, AND DEMULATION	J632
AM SYSTEMS	K638
FM SYSTEMS	K666

TABLE 1 (CONTINUED)

EPI SUBJECT AREAS

<u>SUBJECT AREA TITLE</u>	<u>BEGINNING ITEM NUMBER</u>
NUMBERING SYSTEMS	K685
LOGIC FUNCTIONS	L695
BOOOLEAN EQUATIONS	L708
COUNTERS	L733
TIMING CIRCUITS	M757
USE OF SIGNAL GENERATORS	M769
MOTORS AND GENERATORS	M779
METER MOVEMENTS	N808
SATURABLE REACTORS AND MAGNETIC AMPLIFIERS	N818
WAVESHAPING CIRCUITS	N834
SINGLE SIDEBAND SYSTEMS	O845
PULSE MODULATION SYSTEMS	O875
ANTENNAS	O914
TRANSMISSION LINES	P953
WAVEGUIDES AND CAVITY RESONATORS	P984
MICROWAVE AMPLIFIERS AND OSCILLATORS	P1034
REGISTERS	Q1110
STORAGE DEVICES	Q1117
DIGITAL TO ANALOG CONVERTERS	Q1126
PHANTASTRONS	Q1140
SCHMITT TRIGGERS	R1141
CABLE FABRICATION	R1144
INPUT/OUTPUT DEVICES	S1146
PHOTO SENSITIVE DEVICES	S1149
SYNCHRONOUS VIBRATIONS (CHOPPER CIRCUITS)	S1150
INFRARED	T1159
LASERS	T1186
DISPLAY TUBES	T1220
PROGRAMMING	U1234
DB AND POWER RATIOS	U1255

TABLE 2

SPECIALTIES FOR WHICH DATA ARE PROVIDED
IN THIS REPORT

302X0	316X2T
302X1	325X0
316X0	325X1
316XOF	341X1
316XOG	341X2
316XOS	341X3
316XOT	341X4
316X2F	341X5
316X2G	341X6
316X2H	423X0

PRESENTATION OF RESULTS

Personnel responded "yes" or "no" to the 1,257 electronic principles questions as related to their present job. Group Summary (GPSUM) computer printouts are provided in the Appendix portion of this report. They summarize responses to the inventory by AFSC groups. The first page of the Group Summary lists the groups for which data are presented. The remainder of the Group Summary displays the percentage of each group who answered "yes" to each question asked in the EPI.

APPENDIX

PCT NBRS RESPONDING 'YES' BY DAFSC GROUPS

GR000A PAGE 2

AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

TABULATION OF PERCENT MEMBERS RESPONDING 'YES' TO
QUESTIONS BY DAFSC GROUPS

REPORTS ON THE FOLLOWING GROUPS WERE REQUESTED

GROUP IDENTITY =	SPC001	ALL AIRMEN DAFSC	30250	CONTAINING	111 MEMBERS.
GROUP IDENTITY =	SPC026	ALL AIRMEN DAFSC	30251	CONTAINING	10 MEMBERS.
GROUP IDENTITY =	SPC600	ALL AIRMEN DAFSC	31650	CONTAINING	782 MEMBERS.
GROUP IDENTITY =	SPC601	ALL AIRMEN DAFSC	31650F	CONTAINING	153 MEMBERS.
GROUP IDENTITY =	SPC602	ALL AIRMEN DAFSC	31650F	CONTAINING	336 MEMBERS.
GROUP IDENTITY =	SPC603	ALL AIRMEN DAFSC	31650F	CONTAINING	36 MEMBERS.
GROUP IDENTITY =	SPC604	ALL AIRMEN DAFSC	31650T	CONTAINING	203 MEMBERS.
GROUP IDENTITY =	SPC605	ALL AIRMEN DAFSC	31652F/6/H/7	CONTAINING	106 MEMBERS.
GROUP IDENTITY =	SPC606	ALL AIRMEN DAFSC	31652F	CONTAINING	27 MEMBERS.
GROUP IDENTITY =	SPC607	ALL AIRMEN DAFSC	31652H	CONTAINING	25 MEMBERS.
GROUP IDENTITY =	SPC608	ALL AIRMEN DAFSC	31652T	CONTAINING	11 MEMBERS.
GROUP IDENTITY =	SPC609	ALL AIRMEN DAFSC	31652T	CONTAINING	41 MEMBERS.

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DY-1SK

Task Description	95	100	14	5	10	53	15	85	93	88	73	83
A 1 A1-01 DO YOU PRESENT JOB, DO YOU USE INSTRUMENTS, SUCH AS METERS OR OSCILLOSCOPES, IN WHICH IT IS NECESSARY TO AMPLIFY OR ATTENUATE VOLTAGE, RESISTANCE, ETC., BY POWERS OF 10.	93	80	45	44	40	75	42	91	89	92	100	90
A 2 A1-02 DO YOU USE PUBLICATIONS, SUCH AS A TECHNICAL ORDERS OR MAINTENANCE MANUALS, IN WHICH IT IS NECESSARY FOR YOU TO MULTIPLY OR DIVIDE BY A POWER OF 10 BEFORE YOU CAN APPLY THE INFORMATION FROM THE PUBLICATION IN A USEFUL WAY ON THE JOB.	55	70	21	20	23	19	16	67	74	60	73	66
A 3 A1-03 DO YOU REARRANGE AND SOLVE FORMULAS OR EQUATIONS.	48	90	17	3	15	22	25	67	63	64	55	73
A 4 A1-04 DO YOU CALCULATE THE SQUARE ROOT OF A QUANTITY.	20	40	9	1	1	3	8	18	22	12	18	20
A 5 A1-05 DO YOU SOLVE FOR UNKNOWN QUANTITIES.	41	60	14	2	13	19	22	46	44	40	55	51
A 6 A1-06 DO YOU CONVERT NUMBERS TO LOGARITHMS.	17	10	2	1	0	0	0	4	0	4	18	2
A 7 A1-07 DO YOU USE LOGARITHM TABLES IN ANY TYPE OF CALCULATIONS.	20	10	2	1	0	0	2	6	4	4	16	5
A 8 A1-08 DO YOU SOLVE QUADRATIC EQUATIONS.	14	10	3	1	1	3	6	8	11	4	0	10
A 9 A1-09 DO YOU USE THE NATURAL SYSTEM OF LOGARITHMS.	10	10	1	1	0	0	1	3	0	4	9	2
A 10 A1-10 DO YOU PERFORM CALCULATIONS ON VECTOR QUANTITIES.	21	10	5	1	1	0	13	15	11	0	9	29
A 11 A1-11 DO YOU WORK WITH TRIGONOMETRIC FUNCTIONS SUCH AS SINE, COSINE, OR TANGENT.	32	10	5	1	1	6	14	18	15	4	18	29
A 12 A1-12 DO YOU DETERMINE AREAS OF PLANE FIGURES.	8	20	4	1	2	3	9	4	1	0	0	2
A 13 A1-13 DO YOU SOLVE OR USE SIMULTANEOUS EQUATIONS.	8	20	2	1	1	3	9	7	4	0	0	15
A 14 A1-14 DO YOU SOLVE OR USE PROPORTIONS.	34	40	9	3	4	11	19	24	30	20	18	24
A 15 A2-01 DO YOU USE THE TERM VOLTAGE OR VOLT (V).	98	100	83	91	79	94	80	96	96	96	91	98
A 16 A2-02 DO YOU USE THE TERM ELECTROPOSITIVE FORCE (EMF).	61	40	13	10	10	47	12	42	74	24	36	32
A 17 A2-03 DO YOU USE THE TERM OHM.	99	100	79	82	78	94	75	96	96	96	91	98
A 18 A2-04 DO YOU USE THE TERM ION.	28	20	4	8	2	3	3	19	59	0	9	5
A 19 A2-05 DO YOU USE THE TERM DYNE.	17	0	2	1	1	1	1	8	19	0	9	5
A 20 A2-06 DO YOU USE THE TERM AMPERE.	97	100	71	73	70	83	66	96	96	96	91	98
A 21 A2-07 DO YOU USE THE TERM NEUTRON.	23	20	3	3	2	0	3	14	30	8	9	10
A 22 A2-08 DO YOU USE THE TERM COULOMB.	23	20	0	4	3	2	8	3	13	30	8	7
A 23 A2-09 DO YOU USE THE TERM PROTON.	23	20	3	3	2	3	4	12	26	8	9	7
A 24 A3-01 DO YOU WORK WITH RESISTORS IN YOUR PRESENT JOB.	86	100	34	29	34	58	30	87	89	84	82	88
A 25 A3-02 DO YOU INSPECT RESISTORS.	95	100	21	7	22	56	20	92	96	96	100	85
A 26 A3-03 DO YOU CLEAN RESISTORS.	94	90	10	0	7	39	12	60	78	56	64	54
A 27 A3-04 DO YOU ADJUST RESISTORS.	94	100	14	2	15	50	11	90	89	92	100	88
A 28 A3-05 DO YOU CHECK OHMIC VALUE OR RESISTORS.	96	100	14	23	32	61	25	92	96	96	91	88
A 29 A3-06 DO YOU REMOVE OR REPLACE RESISTORS.	95	100	19	4	20	53	20	82	93	96	64	75
A 30 A3-07 DO YOU USE OR REFER TO TEMPERATURE COEFFICIENTS FOR RESISTORS ON ANY TASKS YOU PERFORM.	52	30	7	3	7	25	5	23	22	28	27	20
A 31 A3-08 DO YOU USE OR REFER TO RESISTOR SYMBOLS SUCH AS FIXED RESISTOR SYMBOLS OR TAPPED RESISTOR SYMBOLS.	95	100	21	14	16	56	18	90	96	86	91	85
A 32 A3-09 DO YOU IDENTIFY OR CLASSIFY THE RESISTORS YOU WORK WITH AS CARBON, FIXED WIRE, SLIDE TAP, RHEOSTAT, OR POTENTIOMETER.	95	100	18	8	14	64	15	88	96	84	82	85
A 33 A3-10 DO YOU USE RESISTOR COLOR CODES WHICH INDICATE OHMIC VALUE OF RESISTANCE.	95	100	14	5	10	53	15	85	93	88	73	83

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DY-15K

Task ID	Description	SPC 001	SPC 026	SPC 600	SPC 601	SPC 602	SPC 603	SPC 604	SPC 605	SPC 606	SPC 607	SPC 608	SPC 609
A 34	A3-11 DO YOU USE RESISTOR COLOR CODES WHICH INDICATE TOLERANCE.	92	100	10	3	7	39	10	78	85	76	73	78
A 35	A3-12 DO YOU USE RESISTOR COLOR CODES WHICH INDICATE FAILURE RATE.	29	40	3	1	2	8	2	23	37	16	9	22
A 36	A3-13 DO YOU MAKE DECISIONS IN WHICH YOU MUST DETERMINE HOW TWO OR MORE BATTERIES MUST BE CONNECTED TOGETHER TO ACHIEVE A SPECIFIC VOLTAGE.	46	100	15	6	21	22	7	53	74	80	64	22
A 37	A3-14 DO YOU USE OR REFER TO THE SCHEMATIC SYMBOLS WHICH REPRESENT BATTERIES, FUSES, CONDUCTORS, LAMPS, OR SWITCHES	97	100	36	29	35	75	32	93	96	100	91	88
A 38	A3-15 DO YOU CALCULATE TOTAL RESISTANCE FOR SERIES RESISTIVE CIRCUITS.	77	80	10	6	10	31	7	57	81	52	55	44
A 39	A3-16 DO YOU CALCULATE TOTAL CURRENT FOR SERIES RESISTIVE CIRCUITS.	73	80	9	4	10	28	6	51	74	44	55	39
A 40	A3-17 DO YOU CALCULATE INDIVIDUAL VOLTAGE DROPS FOR SERIES RESISTIVE CIRCUITS.	77	90	10	3	11	28	6	52	78	40	55	41
A 41	A3-16 DO YOU CALCULATE POWER DISSIPATION FOR SERIES RESISTIVE CIRCUITS.	59	80	7	3	8	22	5	34	52	32	36	24
A 42	A3-19 DO YOU CALCULATE TOTAL RESISTANCE FOR SERIES PARALLEL RESISTIVE CIRCUITS.	75	80	9	4	9	28	7	54	78	48	55	41
A 43	A3-20 DO YOU CALCULATE TOTAL CURRENT FOR SERIES PARALLEL RESISTIVE CIRCUITS.	72	70	8	3	8	25	7	50	74	44	55	37
A 44	A3-21 DO YOU CALCULATE INDIVIDUAL VOLTAGE DROPS FOR SERIES PARALLEL RESISTIVE CIRCUITS.	75	90	9	2	10	25	7	49	70	44	55	37
A 45	A3-22 DO YOU CALCULATE INDIVIDUAL BRANCH CURRENTS FOR SERIES PARALLEL RESISTIVE CIRCUITS.	68	80	8	3	7	25	6	45	63	44	45	34
A 46	A3-23 DO YOU CALCULATE POWER DISSIPATION FOR SERIES PARALLEL RESISTIVE CIRCUITS.	56	80	7	2	7	22	5	30	44	32	27	22
A 47	A3-24 DO YOU CALCULATE TOTAL RESISTANCE FOR PARALLEL RESISTIVE CIRCUITS.	73	70	8	4	7	31	8	51	74	48	45	39
A 48	A3-25 DO YOU CALCULATE TOTAL CURRENT FOR PARALLEL RESISTIVE CIRCUITS.	68	60	8	3	7	25	7	48	70	44	45	37
A 49	A3-26 DO YOU CALCULATE INDIVIDUAL VOLTAGE DROPS FOR PARALLEL RESISTIVE CIRCUITS.	74	90	8	2	8	25	6	47	70	40	45	37
A 50	A3-27 DO YOU CALCULATE INDIVIDUAL BRANCH CURRENTS FOR PARALLEL RESISTIVE CIRCUITS.	68	70	7	2	6	25	7	43	63	40	36	34
A 51	A3-28 DO YOU CALCULATE POWER DISSIPATION FOR PARALLEL RESISTIVE CIRCUITS.	54	90	6	2	5	22	5	30	48	32	18	22
B 52	B1-01 DO YOU MEASURE RESISTANCE.	98	100	77	80	74	89	75	95	96	96	100	95
B 53	B1-02 DO YOU REPAIR OHMMETERS.	7	0	2	2	2	3	2	17	41	12	0	10
B 54	B1-03 DO YOU MEASURE VOLTAGE.	98	100	80	95	74	89	75	95	96	96	100	95
B 55	B1-04 DO YOU REPAIR VOLTMETERS.	7	0	2	2	1	6	1	16	41	8	0	10
B 56	B1-05 DO YOU REPAIR AMPMETERS.	7	0	1	1	1	6	1	12	37	8	0	2
B 57	B1-06 DO YOU MEASURE CURRENT.	96	100	60	54	61	67	55	87	96	96	100	73
B 58	B1-07 DO YOU USE MULTIMETERS.	98	100	81	95	74	92	78	95	96	96	100	95
B 59	B1-08 DO YOU DIRECTLY USE A QUANTITY OF CHARGE CALLED A COULOMB.	6	0	2	1	1	6	0	5	11	0	0	5
B 60	B1-09 DO YOU READ SCHEMATICS.	98	100	80	86	71	92	86	96	96	96	100	95

Task ID	Description	SPC 001	SPC 026	SPC 600	SPC 601	SPC 602	SPC 603	SPC 609	SPC 605	SPC 606	SPC 607	SPC 608	SPC 609
B 61	B2-01 DO YOU USE OR REFER TO THE TERM EFFECTIVE VOLTAGE (RMS)?	79	90	18	16	15	42	15	82	70	92	100	83
B 62	B2-02 DO YOU USE OR REFER TO THE TERM PEAK TO PEAK VOLTAGE.	89	100	20	8	20	47	19	92	93	96	100	90
B 63	B2-03 DO YOU USE OR REFER TO THE TERM AVERAGE VOLTAGE (DC).	86	100	31	31	31	50	24	77	74	80	91	78
B 64	B2-04 DO YOU USE OR REFER TO THE TERM WAVE LENGTH.	79	90	12	6	8	33	14	77	81	84	82	73
B 65	B2-05 DO YOU USE OR REFER TO THE TERM FREQUENCY.	92	100	49	33	60	64	35	94	96	100	93	93
B 66	B2-06 DO YOU USE OR REFER TO THE TERM INSTANTANEOUS VALUE.	47	30	6	4	9	8	5	34	37	24	36	39
B 67	B3-01 DO YOU WORK WITH INDUCTORS OR CIRCUITS CONTAINING INDUCTORS, CHOKES, OR CHOKE COILS IN YOUR PRESENT JOB.	83	40	11	7	11	19	10	55	63	44	45	59
B 68	B3-02 DO YOU INSPECT INDUCTORS.	80	50	6	1	7	17	4	51	70	48	45	44
B 69	B3-03 DO YOU CLEAN INDUCTORS.	62	40	3	0	3	8	2	35	46	32	27	32
B 70	B3-04 DO YOU ADJUST INDUCTORS.	79	50	3	0	3	8	2	37	59	28	36	29
B 71	B3-05 DO YOU REMOVE OR REPLACE INDUCTORS.	88	50	6	0	7	17	1	37	67	20	36	29
B 72	B3-06 DO YOU USE OR REFER TO INDUCTANCE.	77	50	5	1	5	8	4	38	56	32	27	34
B 73	B3-07 DO YOU USE OR REFER TO HENRIES.	63	50	3	1	2	8	2	24	48	16	18	17
B 74	B3-08 DO YOU USE OR REFER TO INDUCTIVE REACTANCE.	68	30	4	1	4	8	4	24	52	16	27	10
B 75	B3-09 DO YOU USE OR REFER TO COPPER LOSS IN INDUCTORS.	21	0	1	0	1	0	1	7	15	8	0	2
B 76	B3-10 DO YOU USE OR REFER TO HYSTERESIS LOSS IN INDUCTORS.	33	10	1	0	1	0	1	7	19	4	0	2
B 77	B3-11 DO YOU USE OR REFER TO EDDY CURRENT LOSS IN INDUCTORS.	26	10	1	0	1	0	1	7	19	4	0	2
B 78	B3-12 DO YOU USE OR REFER TO THE GENERAL RULE THAT INDUCTANCE IS PROPORTIONAL TO THE SQUARE OF THE NUMBER OF TURNS OF THE COIL.	22	0	1	1	1	3	1	9	22	4	0	7
B 79	B2-13 DO YOU USE OR REFER TO THE GENERAL RULE THAT THE INDUCTANCE OF A COIL IS DIRECTLY PROPORTIONAL TO THE CROSS SECTIONAL AREA OF THE CORE.	17	0	2	1	1	0	0	7	15	4	0	5
B 80	B2-14 DO YOU USE OR REFER TO THE GENERAL RULE THAT THE INDUCTANCE OF A COIL IS INVERSELY PROPORTIONAL TO ITS LENGTH.	21	0	2	1	1	3	1	9	22	4	0	7
B 81	B2-15 DO YOU USE OR REFER TO THE GENERAL RULE THAT THE INDUCTANCE OF A COIL IS DIRECTLY PROPORTIONAL TO THE PERMEABILITY OF THE CORE MATERIAL.	23	0	2	1	1	3	1	9	30	0	0	5
B 82	B2-16 DO YOU CALCULATE INDUCTANCE FOR PARTICULAR INDUCTORS USING FORMULAS.	23	10	1	1	1	3	1	8	19	0	0	10
B 83	B3-17 DO YOU CALCULATE THE TOTAL INDUCTANCE FOR INDUCTANCE IN SERIES.	28	0	2	1	1	3	2	9	26	0	0	7
B 84	B3-18 DO YOU CALCULATE THE TOTAL INDUCTANCE FOR INDUCTORS IN PARALLEL.	28	0	2	1	1	3	2	8	26	0	0	5
B 85	B3-19 DO YOU CALCULATE THE TOTAL INDUCTANCE FOR INDUCTORS IN SERIES-PARALLEL CIRCUITS.	27	0	2	1	1	3	2	9	30	0	0	5
B 86	B3-20 DO YOU USE OR REFER TO THE GENERAL RULE THAT CURRENT LAGS VOLTAGE IN AC INDUCTOR CIRCUITS.	44	0	3	1	3	8	2	22	41	12	9	20
B 87	B3-21 DO YOU CALCULATE INDUCTIVE REACTANCE.	31	0	3	1	3	3	2	11	33	0	0	7
B 88	B3-22 DO YOU USE OR REFER TO THE GENERAL RULE THAT INDUCTIVE REACTANCE IS DIRECTLY PROPORTIONAL TO FREQUENCY.	41	10	3	1	2	6	2	16	41	4	18	7
B 89	B3-23 DO YOU WORK WITH POWER INDUCTORS.	55	30	5	3	6	11	2	32	56	20	32	24
B 90	B3-24 DO YOU WORK WITH AUDIO FREQUENCY INDUCTORS.	55	50	3	1	2	6	2	25	30	24	36	20
B 91	B3-25 DO YOU WORK WITH RADIO FREQUENCY INDUCTORS.	63	50	4	2	3	3	3	21	15	24	36	20

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DY-15K

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	001	026	600	601	602	603	609	605	606	607	608	609							
C 121 C1-30 DO YOU WORK WITH ROTOR-STATOR (VARIABLE) CAPACITORS	67	60	5	3	4	14	3	44	49	28	73	49							
C 122 C1-31 DO YOU WORK WITH COMPRESSION (TRIMMER) CAPACITORS	60	60	3	3	2	8	3	43	48	24	45	54							
C 123 C1-32 DO YOU WORK WITH ELECTROLYTIC (FIXED) CAPACITORS	95	90	14	3	17	22	11	81	88	91	78								
C 124 C1-33 DO YOU WORK WITH PAPER (FIXED) CAPACITORS	86	90	10	4	9	25	10	61	78	52	64	49							
C 125 C1-34 DO YOU WORK WITH MICA (FIXED) CAPACITORS	91	90	9	5	7	25	9	68	81	60	73	66							
C 126 C1-35 DO YOU WORK WITH CERAMIC (FIXED) CAPACITORS	92	100	10	6	9	28	8	73	81	60	82	76							
C 127 C1-36 DO YOU WORK WITH DON'T REMEMBER WHICH TYPE OF CAPACITORS	13	10	13	9	15	14	12	20	32	27	10								
C 128 C2-01 DO YOU WORK WITH TRANSFORMERS IN YOUR PRESENT JOB	90	80	19	22	20	36	10	77	81	80	100	68							
C 129 C2-02 DO YOU INSPECT TRANSFORMERS	93	90	16	14	18	36	7	73	85	84	100	54							
C 130 C2-03 DO YOU CLEAN TRANSFORMERS	94	80	7	1	8	31	4	55	63	56	82	44							
C 131 C2-04 DO YOU ADJUST TRANSFORMERS	86	50	4	1	5	19	1	43	48	52	55	34							
C 132 C2-05 DO YOU TROUBLESHOOT TRANSFORMERS	86	90	16	15	21	25	4	57	78	56	64	49							
C 133 C2-06 DO YOU REMOVE OR REPLACE COMPLETE TRANSFORMERS	95	90	14	1	21	33	8	75	85	84	100	61							
C 134 C2-07 DO YOU REMOVE OR REPLACE TRANSFORMER PARTS, SUCH AS THE PRIMARY WINDING	6	0	1	0	2	0	0	8	22	0	9	2							
C 135 C2-08 DO YOU MAKE A DISTINCTION BETWEEN MUTUAL INDUCTANCE AND MUTUAL INDUCTANCE (M)	4	0	1	0	0	3	0	4	11	0	0	2							
C 136 C2-09 DO YOU USE THE SYMBOL FOR MUTUAL INDUCTANCE, M	5	0	1	0	0	3	0	6	11	0	9	5							
C 137 C2-10 DO YOU REFER TO OR USE THE COEFFICIENT OF COUPLING WHEN WORKING WITH TRANSFORMERS	18	0	1	0	0	0	1	6	11	4	9	2							
C 138 C2-11 DO YOU CALCULATE TURNS RATIOS FOR TRANSFORMERS USING CURRENT OR VOLTAGE RATIOS	32	0	2	1	1	0	1	8	19	0	0	10							
C 139 C2-12 DO YOU REFER TO REFLECTED IMPEDANCE WHEN WORKING WITH TRANSFORMERS	21	0	2	1	1	3	0	6	15	0	9	2							
C 140 C2-13 DO YOU CALCULATE IMPEDANCE INTERACTIONS FOR TRANSFORMERS	13	0	1	1	0	0	1	5	7	0	0	7							
C 141 C2-14 DO YOU WORK WITH AUTOTRANSFORMERS	79	20	4	2	4	17	0	26	37	16	45	22							
C 142 C2-15 DO YOU WORK WITH POWER TRANSFORMERS	89	90	17	16	19	36	8	69	85	60	73	66							
C 143 C2-16 DO YOU WORK WITH AUDIO TRANSFORMERS	66	50	3	3	2	6	2	30	33	40	55	17							
C 144 C2-17 DO YOU WORK WITH RADIO FREQUENCY TRANSFORMERS	70	40	3	3	3	6	2	30	15	44	64	24							
C 145 C2-18 DO YOU WORK WITH DON'T REMEMBER WHAT TYPE OF TRANSFORMERS	14	0	6	7	6	11	4	19	11	32	36	12							
C 146 C2-19 DO YOU CHECK TRANSFORMERS FOR OPEN WINDINGS BY MEASURING RESISTANCE	94	90	14	6	21	19	3	65	89	64	73	51							
C 147 C2-20 DO YOU CHECK TRANSFORMERS FOR SHORTED WINDINGS BY MEASURING RESISTANCE	88	90	13	5	21	19	3	60	93	52	73	44							
C 148 C2-21 DO YOU CHECK TRANSFORMERS FOR SHORTED WINDINGS BY MEASURING OUTPUT VOLTAGES	84	80	12	6	18	22	3	53	81	56	45	37							
C 149 C2-22 DO YOU MEASURE RESISTANCE OF TRANSFORMER WINDINGS TO DETERMINE WHETHER A TRANSFORMER HAS A STEP-UP OR STEP-DOWN TURNS RATIO	41	40	4	1	7	8	1	30	63	20	27	17							
C 150 C2-23 DO YOU MEASURE OUTPUT VOLTAGE OF TRANSFORMERS TO DETERMINE WHETHER A TRANSFORMER HAS A STEP-UP OR STEP-DOWN TURNS RATIO	60	50	6	3	8	8	1	32	59	28	27	20							
C 151 C2-24 DO YOU REFER TO BASIC TRANSFORMER SCHEMATIC SYMBOLS FOR TRANSFORMERS	95	90	16	18	18	28	7	76	93	72	91	66							

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DX-TSK

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	001	026	500	601	602	603	604	605	606	607	608	609						
C 179 C3-09 DO YOU USE OR REFER TO DOMAIN THEORY OF MAGNETISM	11	0	1	1	1	3	0	4	11	0	0	2						
C 180 C3-10 DO YOU USE OR REFER TO MAGNETIC INDUCTION	39	10	4	2	4	3	1	9	26	8	0	2						
C 181 C3-11 DO YOU USE OR REFER TO FLUX DENSITY	30	0	2	1	0	3	1	8	22	4	9	0						
C 182 C3-12 DO YOU USE OR REFER TO THE GENERAL RULE THAT FOR MAGNETIC POLES, LIKE POLES REPEL AND UNLIKE POLES ATTRACT	64	40	13	6	13	25	15	27	44	40	18	10						
C 183 C3-13 DO YOU USE THE LEFT HAND THUMB RULE TO FIND THE DIRECTION OF MAGNETIC FIELDS ABOUT STRAIGHT WIRES	32	20	5	4	4	11	5	12	22	4	9	10						
C 184 C3-14 DO YOU USE THE LEFT HAND THUMB RULE TO FIND THE NORTH POLE OF A CURRENT CARRYING COIL	32	10	4	4	2	6	4	11	22	4	9	7						
D 185 D1-01 DO YOU WORK WITH RC, LB, RCL CIRCUITS IN YOUR PRESENT JOB	73	70	5	5	4	6	3	45	52	56	36	37						
D 186 D1-02 DO YOU USE OR REFER TO VECTORS WHEN WORKING WITH RCL CIRCUITS	19	10	1	0	1	6	0	10	19	4	9	10						
D 187 D1-03 DO YOU USE OR REFER TO PYTHAGOREAN THEOREM WHEN WORKING WITH RCL CIRCUITS	15	0	1	0	0	3	0	8	7	8	9	7						
D 188 D1-04 DO YOU USE OR REFER TO SINE WHEN WORKING WITH RCL CIRCUITS	22	0	1	0	1	0	1	9	19	8	9	5						
D 189 D1-05 DO YOU USE OR REFER TO COSINE WHEN WORKING WITH RCL CIRCUITS	23	0	1	0	1	0	1	9	19	8	9	5						
D 190 D1-06 DO YOU USE OR REFER TO TANGENT WHEN WORKING WITH RCL CIRCUITS	19	0	1	0	1	0	1	8	19	8	0	5						
D 191 D1-07 DO YOU USE OR REFER TO WATTS WHEN WORKING WITH RCL CIRCUITS	55	30	3	1	3	3	1	27	33	52	0	17						
D 192 D1-08 DO YOU USE OR REFER TO TRUE POWER (PT) WHEN WORKING WITH RCL CIRCUITS	41	30	1	1	1	3	0	16	22	16	9	15						
D 193 D1-09 DO YOU USE OR REFER TO MAXIMUM POWER (PM) WHEN WORKING WITH RCL CIRCUITS	41	40	1	1	1	3	0	16	15	20	9	12						
D 194 D1-10 DO YOU USE OR REFER TO AVERAGE POWER (PAVE) WHEN WORKING WITH RCL CIRCUITS	51	40	1	1	1	6	0	12	11	16	9	12						
D 195 D1-11 DO YOU USE OR REFER TO APPARENT POWER (PA) WHEN WORKING WITH RCL CIRCUITS	34	10	1	1	1	6	0	11	7	20	0	12						
D 196 D1-12 DO YOU USE OR REFER TO POWER FACTOR (PF) WHEN WORKING WITH RCL CIRCUITS	37	10	1	1	1	6	0	12	11	20	0	12						
D 197 D1-13 DO YOU USE OR REFER TO RESONANT CIRCUITS WHEN WORKING WITH RCL CIRCUITS	59	30	2	1	1	6	1	26	41	28	9	22						
D 198 D1-14 DO YOU USE OR REFER TO BANDWIDTH WHEN WORKING WITH RCL CIRCUITS	69	30	2	1	3	3	0	27	26	48	18	20						
D 199 D1-15 DO YOU USE OR REFER TO SELECTIVITY WHEN WORKING WITH RCL CIRCUITS	53	30	2	1	1	0	0	21	26	32	9	15						
D 200 D1-16 DO YOU USE OR REFER TO RESONANT FREQUENCY WHEN WORKING WITH RCL CIRCUITS	66	30	2	1	1	6	0	28	37	40	18	20						
D 201 D1-17 DO YOU USE OR REFER TO HALF POWER POINTS WHEN WORKING WITH RCL CIRCUITS	59	20	1	0	0	0	0	12	15	0	18	17						
D 202 D1-18 DO YOU USE OR REFER TO BANDPASS REGION WHEN WORKING WITH RCL CIRCUITS	57	30	1	1	1	3	0	19	19	32	18	12						
D 203 D1-19 DO YOU USE OR REFER TO CIRCUIT Q WHEN WORKING WITH RCL CIRCUITS	41	20	1	1	1	3	0	8	11	8	0	7						

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

	001	026	600	601	602	603	604	605	606	607	608	609
DY-15K												
D 204 01-20 00 YOU USE OR REFER TO TANK CIRCUITS WHEN WORKING WITH RCL CIRCUITS	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
D 205 01-21 00 YOU DETERMINE VALUES OF TRIGONOMETRIC FUNCTIONS USING FORMULAS	001	026	600	601	602	603	604	605	606	607	608	609
D 206 01-22 00 YOU DRAW VOLTAGE, CURRENT, OR IMPEDANCE VECTOR DIAGRAMS FOR CIRCUITS	12	10	1	0	1	0	0	8	11	0	9	10
D 207 01-23 00 YOU CALCULATE TOTAL IMPEDANCE FOR CAPACITIVE CIRCUITS	22	10	1	1	1	0	0	10	15	8	9	10
D 208 01-24 00 YOU CALCULATE PHASE ANGLES BETWEEN IMPEDANCE AND RESISTANCE IN CAPACITIVE CIRCUITS	18	0	1	0	1	0	0	8	11	4	0	12
D 209 01-25 00 YOU CALCULATE TOTAL IMPEDANCE FOR SERIES RCL CIRCUITS	22	0	1	1	1	1	3	0	13	15	16	12
D 210 01-26 00 YOU CALCULATE IMPEDANCE ANGLES FOR SERIES RCL CIRCUITS	14	0	1	0	1	0	0	8	7	4	0	12
D 211 01-27 00 YOU CALCULATE APPARENT POWER (PA) FOR SERIES RCL CIRCUITS	17	0	1	1	1	1	3	0	7	4	0	10
D 212 01-28 00 YOU CALCULATE TRUE POWER (PT) FOR SERIES RCL CIRCUITS	17	0	1	1	1	1	3	0	9	11	12	0
D 213 01-29 00 YOU CALCULATE POWER FACTORS (PF) FOR SERIES RCL CIRCUITS	20	0	1	1	1	1	3	0	0	4	0	12
D 214 01-30 00 YOU CALCULATE TOTAL CURRENT FOR PARALLEL RCL CIRCUITS	25	10	1	1	1	1	3	0	13	15	16	0
D 215 01-31 00 YOU CALCULATE IMPEDANCE ANGLES FOR PARALLEL RCL CIRCUITS	14	0	1	0	1	0	0	0	8	7	4	0
D 216 01-32 00 YOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL CIRCUITS USING THE ASSUMED VOLTAGE METHOD	18	0	1	1	1	1	6	0	0	7	0	10
D 217 01-33 00 YOU CALCULATE TOTAL IMPEDANCE FOR PARALLEL RCL CIRCUITS USING OHM'S LAW	22	10	2	1	1	1	3	0	13	19	12	0
D 218 01-34 00 YOU CHECK CAPACITORS USING OHMMETERS	74	60	3	3	4	6	0	30	40	48	36	29
D 219 01-35 00 YOU CHECK CAPACITORS USING SUBSTITUTION	52	40	1	1	1	0	0	29	37	28	27	27
D 220 01-36 00 YOU CHECK INDUCTORS USING OHMMETERS	73	50	3	2	3	8	1	33	41	32	36	29
D 221 01-37 00 YOU CHECK INDUCTORS USING SUBSTITUTION	44	20	1	1	1	3	1	25	33	20	27	24
D 222 01-38 00 YOU USE OR REFER TO THE GENERAL RULE THAT THETA = 0, PF = 1, AND PA = PT FOR RESONANT CIRCUITS	14	0	1	1	0	3	0	4	4	4	0	5
D 223 01-39 00 YOU CALCULATE RESONANT FREQUENCIES FOR RCL CIRCUITS	25	10	1	0	0	0	0	11	11	20	9	7
D 224 01-40 00 YOU USE OR REFER TO THE GENERAL RULE THAT IMPEDANCE IS MINIMUM AND CURRENT MAXIMUM AT THE RESONANT FREQUENCY FOR SERIES RCL CIRCUITS	30	10	1	1	0	3	0	12	15	16	0	12
D 225 01-41 00 YOU USE OR REFER TO THE GENERAL RULE THAT LINE CURRENT IS MINIMUM AND IMPEDANCE MAXIMUM AT RESONANT FREQUENCY FOR PARALLEL RCL CIRCUITS	30	0	1	1	1	3	0	11	15	12	0	12
D 226 01-42 00 YOU USE OR REFER TO THE GENERAL RULE THAT HALF POWER POINTS ARE AT 70.7 PERCENT OF THE PEAK CURRENT VALUE	51	30	1	1	1	0	0	17	7	16	18	24
D 227 01-43 00 YOU USE OR REFER TO THE GENERAL RULE THAT BANDWIDTH IS INVERSELY PROPORTIONAL TO Q	30	10	1	1	0	0	0	8	7	8	9	7
D 228 01-44 00 YOU DETERMINE HOW CHANGES IN FREQUENCY, RESISTANCE, CAPACITANCE, OR INDUCTANCE WILL AFFECT CURRENT OR PHASE ANGLES FOR RCL CIRCUITS	20	10	1	1	0	0	0	7	7	0	0	7

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DY-TSK

	SPC 001	SPC 026	SPC 600	SPC 601	SPC 602	SPC 603	SPC 604	SPC 605	SPC 606	SPC 607	SPC 608	SPC 609
0 229 D2-01 IN YOUR PRESENT JOB, DO YOU WORK WITH, USE, OR REFER TO SERIES OR PARALLEL RESONANT CIRCUITS OR TIME CONSTANTS	57	30	3	2	2	6	3	15	15	12	18	17
0 230 D2-02 DO YOU WORK WITH, USE, OR REFER TO THE CONSTANTS	53	30	2	1	1	6	0	12	19	8	0	12
0 231 D2-03 DO YOU WORK WITH, USE, OR REFER TO AVAILABLE VOLTAGE	33	20	1	1	1	3	1	7	7	8	0	7
0 232 D1-04 DO YOU WORK WITH, USE, OR REFER TO TRANSIENT INTERVALS	30	20	1	1	1	0	0	5	7	4	0	5
0 233 D2-05 DO YOU USE OR REFER TO THE GENERAL RULE THAT A CAPACITOR IS FULLY CHARGED (OR DISCHARGED) AFTER FIVE (5) TIME CONSTANTS (TTC)	43	20	1	1	1	3	0	8	15	4	9	7
0 234 D2-06 DO YOU USE OR REFER TO UNIVERSAL TIME CONSTANT CHARTS	17	0	1	0	0	0	0	3	7	0	0	2
0 235 D2-07 DO YOU USE EQUATIONS OR FORMULAS TO DETERMINE CIRCUIT CURRENT OR COMPONENT VOLTAGES AFTER A SPECIFIC TIME FOR RC OR LR CIRCUITS	16	20	1	0	1	0	0	5	7	0	0	7
0 236 D2-08 DO YOU USE EQUATIONS OR FORMULAS TO DETERMINE THE TIME REQUIRED FOR CIRCUIT CURRENT OR COMPONENT VOLTAGES TO REACH SPECIFIC VALUES FOR RC OR LR CIRCUITS	16	10	1	0	1	0	0	6	11	0	0	7
0 237 D2-09 DO YOU USE EQUATIONS OR FORMULAS TO DETERMINE COMPONENT VALUES REQUIRED FOR CIRCUIT CURRENT AND COMPONENT VOLTAGES TO REACH SPECIFIC VALUES IN SPECIFIC TIMES	17	10	1	0	0	3	0	7	15	0	0	7
0 238 D2-10 DO YOU USE OR REFER TO THE GENERAL RULE THAT CURRENT IN LR CIRCUITS REACHES ITS MINIMUM VALUE (OR ZERO) AFTER FIVE (5) TIME CONSTANTS	21	0	1	1	0	3	0	6	11	4	9	2
0 239 D3-01 DO YOU WORK WITH CIRCUITS USED AS FILTERS IN YOUR PRESENT JOB	75	90	17	3	25	17	11	67	67	64	82	66
0 240 D3-02 DO YOU INSPECT FILTER CIRCUITS	76	70	12	1	20	17	4	58	63	56	82	51
0 241 D3-03 DO YOU CLEAN FILTER CIRCUITS	68	40	7	0	11	8	1	43	52	36	64	39
0 242 D3-04 DO YOU ALIGN OR ADJUST FILTER CIRCUITS	57	50	3	0	4	6	1	39	37	40	27	44
0 243 D3-05 DO YOU TROUBLESHOOT TO THE FILTER CIRCUIT LEVEL	73	60	13	2	22	14	5	53	52	48	64	56
0 244 D3-06 DO YOU TROUBLESHOOT TO COMPONENT PARTS	75	60	10	3	15	14	4	53	48	24	27	52
0 245 D3-07 DO YOU REMOVE OR REPLACE THE COMPLETE FILTER CIRCUIT	68	70	14	0	23	11	8	61	59	60	82	61
0 246 D3-08 DO YOU REMOVE OR REPLACE FILTER CIRCUIT COMPONENT PARTS	74	60	9	0	14	17	3	29	48	20	45	20
0 247 D3-09 DO YOU WORK WITH LOW PASS FILTERS	75	50	8	1	10	8	4	39	44	32	73	29
0 248 D3-10 DO YOU WORK WITH HIGH PASS FILTERS	74	50	7	1	10	8	3	36	41	32	73	27
0 249 D3-11 DO YOU WORK WITH BANDPASS FILTERS	70	50	5	1	5	6	2	26	15	32	73	20
0 250 D3-12 DO YOU WORK WITH BAND-REJECT FILTERS	50	30	4	1	4	6	1	21	11	28	45	17
0 251 D3-13 DO YOU REMEMBER WHICH TYPE OF FILTER YOU WORK WITH	11	30	8	2	12	14	5	26	11	32	27	34
0 252 D3-14 DO YOU WORK WITH L-SECTION FILTER CONFIGURATION	65	40	2	1	2	0	1	27	37	12	36	27
0 253 D3-15 DO YOU WORK WITH T-SECTION FILTER CONFIGURATION	67	40	2	1	2	0	1	28	41	12	45	24
0 254 D3-16 DO YOU WORK WITH PI-SECTION FILTER CONFIGURATION	59	40	2	1	2	0	1	23	22	12	36	24
0 255 D3-17 DO YOU REMEMBER WHICH TYPE FILTER CONFIGURATION	14	10	11	3	17	11	7	36	22	48	45	37
0 256 D3-18 DO THE FILTERS YOU WORK WITH USE PARALLEL RESONANT CIRCUITS	57	30	3	1	4	0	1	25	30	20	36	22
0 257 D3-19 DO THE FILTERS YOU WORK WITH USE SERIES-PARALLEL CIRCUITS	60	40	5	1	6	3	4	32	37	24	55	29
0 258 D3-20 DO THE FILTERS YOU WORK WITH USE SERIES RESONANT CIRCUITS	58	30	3	1	5	0	1	24	30	20	36	20

TASK GROUP SUMMARY
 PERCENT MEMBERS PERFORMING

0Y-15M

Task ID	Description	SPC 001	SPC 026	SPC 600	SPC 601	SPC 602	SPC 603	SPC 604	SPC 605	SPC 606	SPC 607	SPC 608	SPC 609
D 259	03-21 DON'T REMEMBER WHICH TYPE OF BASIC CIRCUIT CAPACITANCE OR INDUCTANCE VALUES REQUIRED FOR SPECIFIC FILTERS	20	30	10	2	15	8	7	39	30	44	36	41
D 260	03-22 DO YOU USE EQUATIONS OR FORMULAS TO DETERMINE CAPACITANCE OR INDUCTANCE VALUES REQUIRED FOR SPECIFIC FILTERS	17	20	1	1	1	0	0	7	7	4	0	10
E 261	E1-01 DO YOU WORK WITH COUPLING DEVICES IN YOUR PRESENT JOB	77	30	3	3	4	3	1	40	30	24	55	51
E 262	E1-02 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH RC COUPLING	76	40	2	1	1	0	0	33	26	20	55	39
E 263	E1-03 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH IMPEDANCE COUPLING	68	40	2	1	2	0	0	28	26	20	45	32
E 264	E1-04 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH TRANSFORMER COUPLING	77	30	2	3	2	3	0	32	30	24	36	37
E 265	E1-05 DO YOU TROUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS WHICH PERFORM RC COUPLING	76	40	2	1	1	0	0	26	26	20	27	32
E 266	E1-06 DO YOU TROUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS WHICH PERFORM IMPEDANCE COUPLING	68	40	2	1	2	0	0	26	26	16	36	32
E 267	E1-07 DO YOU TROUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS WHICH PERFORM TRANSFORMER COUPLING	77	30	3	3	2	3	0	28	30	24	27	32
E 268	E1-08 DO YOU WORK WITH DIRECTLY COUPLED CIRCUITS	75	40	2	1	1	6	0	31	26	24	27	41
E 269	E1-09 DO YOU WORK WITH CAPACITIVE-RESISTIVE COUPLED CIRCUITS	69	40	2	1	1	3	0	27	26	16	27	37
E 270	E1-10 DO YOU WORK WITH CAPACITIVE-INDUCTIVE COUPLED CIRCUITS	62	30	2	1	1	0	0	27	26	16	27	37
E 271	E1-11 DO YOU WORK WITH TRANSFORMER COUPLED CIRCUITS	76	30	2	3	1	3	0	30	30	24	27	37
E 272	E1-12 DON'T REMEMBER WHICH TYPE OF COUPLING CIRCUITS	12	0	1	1	2	0	0	8	4	0	9	17
E 273	E2-01 IN YOUR PRESENT JOB, DO YOU PERFORM SOLDERING TECHNIQUES OR INSPECT OR EVALUATE SOLDERED CONNECTIONS	94	100	47	1	52	83	68	93	96	92	91	95
E 274	E2-02 DO YOU SELECT TYPE OF SOLDER TO USE	75	100	36	1	35	81	60	78	85	68	64	85
E 275	E2-03 DO YOU ADD FLUX TO CONNECTIONS	90	100	31	1	25	69	55	76	85	68	55	83
E 276	E2-04 DO YOU CLEAN CONNECTIONS USING SOLVENTS	91	100	34	1	29	69	63	82	96	72	64	85
E 277	E2-05 DO YOU STRIP INSULATION FROM WIRES	96	100	48	1	53	83	70	93	96	92	91	95
E 278	E2-06 DO YOU CONNECT OR DISCONNECT HEAT SINKS	96	100	28	1	21	67	52	87	96	84	82	85
E 279	E2-07 DO YOU BEND OR SHAPE WIRES OR LEADS	96	100	47	1	51	91	69	92	96	92	91	93
E 280	E2-08 DO YOU CUT WIRES	96	100	48	1	53	83	71	93	96	92	91	95
E 281	E2-09 DO YOU FILE OR SHAPE SOLDERING IRON TIPS	93	100	32	1	29	67	56	85	96	88	73	80
E 282	E2-10 DO YOU TIN SOLDERING IRON TIPS	96	100	42	1	42	83	67	92	96	92	91	93
E 283	E2-11 DO YOU CLEAN SOLDERING IRON TIPS	96	100	45	1	47	83	68	92	96	92	91	93
E 284	E2-12 DO YOU CLEAN ELECTRICAL SURFACES USING ERASERS	91	90	22	0	18	58	37	81	96	72	36	90
E 285	E2-13 DO YOU TIN OR PRE-TIN CONDUCTORS	94	100	34	1	33	78	53	91	96	88	82	93
E 286	E2-14 DO YOU INSPECT SOLDERED CONNECTIONS	95	100	46	1	50	83	67	93	96	92	91	95
E 287	E2-15 DO YOU DESOLDER CONNECTIONS BY WICKING	75	90	25	0	24	56	38	68	85	72	64	56
E 288	E2-16 DO YOU DESOLDER CONNECTIONS USING VACUUM DESOLDERING TOOLS	77	80	11	0	3	31	28	57	67	20	18	83
E 289	E2-17 DO YOU CUT COMPONENT LEADS TO REMOVE COMPONENTS	77	80	29	1	35	58	36	70	85	64	64	68
E 290	E2-18 DO YOU CRUSH COMPONENTS FOR REMOVAL	24	40	5	0	4	17	9	21	33	20	9	17

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DY-TSK

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	001	026	600	601	602	603	604	605	606	607	608	609							
E 291 E2-19 DO YOU MAKE HARDWIRE CONNECTIONS	89	100	42	1	47	75	60	84	93	88	73	80							
E 292 E2-20 DO YOU MAKE PRINTED CIRCUIT BOARD CONNECTIONS	86	100	8	0	3	28	16	59	81	44	27	66							
E 293 E2-21 DO YOU SOLDER PASSIVE COMPONENTS SUCH AS RESISTORS OR CAPACITORS ON PRINTED CIRCUIT BOARDS	84	100	8	0	4	19	13	59	78	56	27	61							
E 294 E2-22 DO YOU SOLDER ACTIVE COMPONENTS SUCH AS SOLID-STATE DIODES OR TRANSISTORS ON PRINTED CIRCUIT BOARDS	84	100	7	0	3	19	10	50	81	32	27	49							
E 295 E3-01 DO YOU WORK WITH RELAYS ON YOUR PRESENT JOB	93	100	48	46	54	75	34	85	89	84	82	85							
E 296 E3-02 DO YOU ADJUST RELAYS	54	30	20	1	37	56	1	41	85	28	9	29							
E 297 E3-03 DO YOU CLEAN RELAYS	79	40	20	1	33	47	8	59	85	56	55	49							
E 298 E3-04 DO YOU INSPECT RELAYS	89	80	25	13	49	69	20	73	89	72	91	61							
E 299 E3-05 DO YOU REMOVE OR REPLACE COMPLETE RELAYS	94	100	39	8	56	72	29	84	85	84	91	83							
E 300 E3-06 DO YOU REMOVE OR REPLACE PARTS OR RELAYS	31	0	13	3	24	25	1	25	70	16	18	5							
E 301 E3-07 DO YOU TROUBLESHOOT RELAYS	87	90	45	44	54	64	28	75	81	68	64	80							
E 302 E3-08 DO YOU STRAIGHTEN RELAY CONTACTS	70	40	14	0	23	42	6	45	78	40	36	29							
E 303 E3-09 DO YOU PERFORM TASKS ON RELAY CONTACTS	74	50	19	5	34	25	6	40	81	32	55	15							
E 304 E3-10 DO YOU PERFORM TASKS ON RELAY COILS	20	0	5	1	8	6	1	14	41	12	18	2							
E 305 E3-11 DO YOU PERFORM TASKS ON RELAY ARMAUTURES	34	0	9	2	15	17	0	17	41	16	18	2							
E 306 E3-12 DO YOU PERFORM TASKS ON RELAY SPRINGS	37	0	7	2	13	8	0	21	56	16	27	0							
E 307 E3-13 DO YOU PERFORM TASKS ON RELAY SPININGS	46	0	9	2	15	8	1	25	74	16	18	2							
E 308 E3-14 DO YOU USE OR REFER TO SINGLE POLE, SINGLE THROW (SPST), NORMALLY OPEN (NO) SCHEMATIC SYMBOLS FOR RELAYS	79	80	28	27	27	56	24	77	89	76	55	76							
E 309 E3-15 DO YOU USE OR REFER TO SINGLE POLE, SINGLE THROW (SPST), NORMALLY CLOSED (NCL) SCHEMATIC SYMBOLS FOR RELAYS	79	80	28	27	27	56	23	78	89	76	55	76							
E 310 E3-16 DO YOU USE OR REFER TO SINGLE POLE, DOUBLE THROW (SPDT) SCHEMATIC SYMBOLS FOR RELAYS	73	80	26	25	24	47	23	79	89	76	64	78							
E 311 E3-17 DO YOU USE OR REFER TO DOUBLE POLE, DOUBLE THROW (DPDT) SCHEMATIC SYMBOLS FOR RELAYS	75	100	25	25	23	47	21	78	89	72	64	78							
E 312 E3-18 DO YOU USE OR REFER TO OTHER RELAY SYMBOLS SCHEMATIC SYMBOLS FOR RELAYS	73	90	30	31	32	50	23	73	85	72	45	71							
E 313 E3-19 DO YOU CHECK ELECTRICAL CONTINUITY OF COILS BY MEASURING RESISTANCE	87	90	33	23	45	47	15	67	85	68	64	56							
E 314 F1-01 IM YOUR PRESENT JOB, DO YOU PERFORM ANY TASKS DEALING WITH MICROPHONES	11	10	18	24	15	22	20	4	4	12	0	0							
E 315 F1-02 DO YOU INSPECT MICROPHONES	9	10	9	6	6	8	17	3	0	12	0	0							
E 316 F1-03 DO YOU CLEAN MICROPHONES	8	10	5	3	2	6	13	3	0	12	0	0							
E 317 F1-04 DO YOU OPERATE MICROPHONES	10	10	20	25	15	17	26	4	4	12	0	0							
E 318 F1-05 DO YOU TROUBLESHOOT AS FAR AS CHECKING WIRE CONNECTIONS BUT DO NOT TROUBLESHOOT DOWN TO COMPONENT PARTS OR MICROPHONES	8	0	11	11	6	11	22	3	0	12	0	0							
E 319 F1-06 DO YOU TROUBLESHOOT DOWN TO MICROPHONE PARTS	4	10	2	0	1	6	7	3	0	12	0	0							
E 320 F1-07 DO YOU REMOVE OR REPLACE COMPLETE MICROPHONES	7	10	8	5	4	11	17	3	0	12	0	0							
E 321 F1-08 DO YOU REMOVE OR REPLACE MICROPHONE PARTS	2	10	2	0	0	3	7	2	0	6	0	0							
E 322 F1-09 DO YOU PERFORM TASKS ON CARBON MICROPHONES	5	0	3	3	3	4	2	2	0	8	0	0							
E 323 F1-10 DO YOU PERFORM TASKS ON CAPACITOR MICROPHONES	1	0	1	1	0	0	1	2	0	8	0	0							
E 324 F1-11 DO YOU PERFORM TASKS ON CRYSTAL MICROPHONES	5	0	2	3	1	3	3	3	1	0	0	0							
E 325 F1-12 DO YOU PERFORM TASKS ON DYNAMIC MICROPHONES	1	10	2	5	1	3	2	1	0	4	0	0							
E 326 F1-13 DO YOU PERFORM TASKS ON VELOCITY RIBBON MICROPHONES	0	0	1	1	0	0	1	0	0	0	0	0							

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DY-TSK

Task ID	Description	SPC 001	SPC 026	SPC 600	SPC 601	SPC 602	SPC 603	SPC 604	SPC 605	SPC 606	SPC 607	SPC 608	SPC 609
F 327	F2-01 IN YOUR PRESENT JOB, DO YOU PERFORM ANY TASKS DEALING WITH SPEAKERS	22	20	9	11	8	6	10	8	7	28	0	0
F 328	F2-02 DO YOU INSPECT SPEAKERS	18	20	5	2	4	3	8	8	7	24	0	0
F 329	F2-03 DO YOU CLEAN SPEAKERS	17	20	3	1	1	3	6	6	4	20	0	0
F 330	F2-04 DO YOU OPERATE SPEAKERS	18	20	9	10	8	6	11	8	7	24	0	0
F 331	F2-05 DO YOU TROUBLESHOOT AS FAR AS CHECKING WIRE CONNECTIONS BUT DO NOT TROUBLESHOOT DOWN TO COMPONENT PARTS OF SPEAKERS	16	10	6	6	5	3	9	8	7	28	0	0
F 332	F2-06 DO YOU TROUBLESHOOT DOWN TO SPEAKER PARTS	5	10	1	0	1	0	2	3	0	12	0	0
F 333	F2-07 DO YOU REMOVE OR REPLACE COMPLETE SPEAKERS	18	20	4	1	3	0	8	8	7	28	0	0
F 334	F2-08 DO YOU REMOVE OR REPLACE SPEAKER PARTS	2	10	1	0	0	0	1	2	0	8	0	0
F 335	F2-09 DO YOU PERFORM ANY TASKS ON SPEAKER CONES	1	0	0	0	1	0	0	0	0	0	0	0
F 336	F2-10 DO YOU PERFORM ANY TASKS ON SPEAKER SPIDERS	1	0	0	0	0	0	0	0	0	0	0	0
F 337	F2-11 DO YOU PERFORM ANY TASKS ON SPEAKER FIELD COILS	2	10	0	0	0	0	0	0	0	0	0	0
F 338	F2-12 DO YOU PERFORM ANY TASKS ON SPEAKER VOICE COILS	3	10	1	1	0	0	1	0	1	4	0	0
F 339	F2-13 DO YOU PERFORM ANY TASKS ON SPEAKER PERMANENT MAGNETS	1	0	1	1	0	0	1	1	0	0	0	0
F 340	F2-14 DO YOU PERFORM ANY TASKS ON SPEAKER ELECTROMAGNETS	2	0	0	0	0	0	0	0	0	0	0	0
F 341	F2-15 DO YOU PERFORM ANY TASKS ON SPEAKER SOFT IRON CORES	1	0	0	0	0	0	0	0	0	0	0	0
F 342	F3-01 DO YOU USE OSCILLOSCOPES IN YOUR PRESENT JOB	87	100	10	1	2	33	23	92	89	92	100	95
F 343	F3-02 DO YOU USE OSCILLOSCOPES TO PERFORM OPERATIONAL CHECKS	84	100	9	0	1	44	18	92	93	92	100	90
F 344	F3-03 DO YOU USE OSCILLOSCOPES TO PERFORM ALIGNMENTS OR ADJUSTMENTS	87	100	9	0	1	44	19	92	89	96	100	90
F 345	F3-04 DO YOU USE OSCILLOSCOPES TO TROUBLESHOOT ELECTRONIC CIRCUITS	91	100	9	0	1	36	19	89	93	80	91	93
F 346	F3-05 DO YOU USE OSCILLOSCOPES TO MEASURE FREQUENCY	65	100	9	0	1	39	17	94	96	96	100	93
F 347	F3-06 DO YOU USE OSCILLOSCOPES TO MEASURE TIME	84	100	6	0	1	33	11	92	89	96	91	95
F 348	F3-07 DO YOU USE OSCILLOSCOPES TO OBSERVE LISAJOUS PATTERNS	32	30	4	0	1	33	4	30	41	20	45	27
F 349	F3-08 DO YOU USE OSCILLOSCOPES TO OBSERVE SIGNALS WHILE UTILIZING ATTENUATOR PROBES	86	90	7	0	1	39	14	91	89	96	100	88
F 350	F3-09 DO YOU USE OSCILLOSCOPES TO MAKE FREQUENCY OR TIME MEASUREMENTS USING DELAY TIME MULTIPLIERS	61	80	4	0	1	25	5	64	74	76	73	51
F 351	F3-10 DO YOU USE OSCILLOSCOPES TO MEASURE AC VOLTAGE	88	90	7	0	1	42	12	92	93	96	100	90
F 352	F3-11 DO YOU USE OSCILLOSCOPES TO MEASURE OR OBSERVE SIGNALS AFTER FIRST ADJUSTING THE GAIN AND DC BAL CONTROLS	66	70	7	0	1	36	15	75	67	92	82	71
F 353	F3-12 DO YOU USE OSCILLOSCOPES TO MEASURE DC VOLTAGE	90	100	7	0	1	42	11	95	96	96	100	95
F 354	F3-01 DO YOU WORK WITH SEMICONDUCTOR DIODES IN YOUR PRESENT JOB	92	100	16	15	13	56	12	73	89	60	73	71
F 355	G1-02 DO YOU INSPECT DIODES	90	90	11	3	8	56	8	70	93	64	73	61
F 356	G1-03 DO YOU REMOVE OR REPLACE DIODES	92	100	11	1	9	58	8	59	89	44	55	54
F 357	G1-04 DO YOU CHECK DIODES USING AN INSTRUMENT	92	90	14	11	13	53	8	61	89	52	64	51
F 358	G1-05 DO YOU USE EMERGENCY LEVEL DIAGRAMS IN YOUR WORK WITH DIODES	8	0	1	1	1	6	0	7	19	0	0	5
F 359	G1-06 DO YOU USE PN JUNCTION DIODE CHARACTERISTIC CURVES, TOGETHER WITH VALUES OF FORWARD AND REVERSE BIAS VOLTAGE, TO COMPUTE FORWARD OR REVERSE LEAS RESISTANCE	14	10	1	1	1	6	0	8	22	4	0	2
F 360	G1-07 DO YOU COMPUTE FORWARD OR REVERSE BIAS RESISTANCE FOR DIODES	23	10	3	1	2	6	1	16	33	16	9	7

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DX-1SK

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	001	026	600	601	602	603	604	605	606	607	608	609	609	609	609	609
6 361 61-08 DO YOU USE OR REFER TO THE GENERAL RULE THAT TEMPERATURE CAN AFFECT THE OPERATION OF DIODES	70	50	6	4	4	31	4	42	63	40	36	32				
6 362 61-09 DO YOU IDENTIFY SEMICONDUCTOR DIODES AS OPPOSED TO OTHER ELECTRONIC COMPONENTS, SUCH AS RESISTORS, BASED ON THEIR PHYSICAL APPEARANCE	82	100	8	5	6	33	6	58	93	48	45	49				
6 363 61-10 DO YOU REFER TO OR DO YOU DETERMINE THE GENERAL EFFECTS OF GOPIING ON CURRENT FLOW	16	0	1	1	0	6	1	8	22	4	0	5				
6 364 61-11 DO YOU USE OR REFER TO MEASUREMENTS OF FORWARD BIAS RESISTANCE	72	60	7	3	8	22	2	42	81	40	36	20				
6 365 61-12 DO YOU USE OR REFER TO DIODE COLOR CODING	32	40	2	1	1	8	2	32	52	32	18	24				
6 366 61-13 DO YOU USE OR REFER TO CENTRIFUGAL FORCE OF AN ELECTRON IN ORBIT AROUND A NUCLEUS	3	0	1	0	0	0	0	1	4	0	0	0				
6 367 61-14 DO YOU USE OR REFER TO CENTRIFUGAL FORCE OF AN ELECTRON IN ORBIT AROUND A NUCLEUS	3	0	0	0	0	0	0	0	0	0	0	0				
6 368 61-15 DO YOU USE OR REFER TO DIODE NUMBERING SYSTEM, SUCH AS IN 538	83	90	4	2	3	19	3	42	78	24	18	37				
6 369 61-16 DO YOU USE OR REFER TO KINETIC ENERGY OF AN ELECTRON MOVING IN ORBIT	5	0	0	0	0	0	0	0	1	4	0	0				
6 370 61-17 DO YOU USE OR REFER TO POTENTIAL ENERGY OF AN ELECTRON MOVING IN ORBIT	6	0	0	0	0	0	0	0	1	4	0	0				
6 371 61-18 DO YOU USE OR REFER TO MEASUREMENTS OF REVERSE BIAS RESISTANCE	71	60	7	3	7	22	2	39	78	40	27	17				
6 372 61-19 DO YOU USE OR REFER TO NUMBER OF ELECTRONS IN A PARTICULAR SHELL OR ORBIT	7	0	1	0	0	3	0	0	0	0	0	0				
6 373 61-20 DO YOU USE OR REFER TO PERMISSIBLE ENERGY LEVELS OF AN ORBITING ELECTRON	7	0	0	0	0	0	0	0	0	0	0	0				
6 374 61-21 DO YOU USE OR REFER TO FORBIDDEN ENERGY LEVELS OF AN ORBITING ELECTRON	7	0	0	0	0	0	0	0	0	0	0	0				
6 375 61-22 DO YOU USE OR REFER TO VALENCE ELECTRONS (THOSE IN THE OUTERMOST SHELL)	8	0	0	0	0	0	0	0	1	4	0	0				
6 376 61-23 DO YOU USE OR REFER TO ATOMIC NUMBER (TOTAL NUMBER OF ELECTRONS IN ATOM)	8	0	0	0	0	0	0	0	1	4	0	0				
6 377 61-24 DO YOU USE OR REFER TO SYMBOLS ON THE DIODE WHICH INDICATE THE CATHODE END	82	100	9	8	6	31	8	58	81	40	55	54				
6 378 61-25 DO YOU NEED TO KNOW WHICH MATERIALS ARE USED IN THE CONSTRUCTION OF DIODES SUCH AS GERMANIUM OR SILICON	22	10	2	1	1	3	0	20	37	8	27	15				
6 379 61-26 DO YOU NEED TO KNOW THAT SEMICONDUCTORS HAVE NEGATIVE TEMPERATURE COEFFICIENTS OF RESISTANCE (AS TEMPERATURE INCREASES RESISTANCE DECREASES)	45	40	3	1	1	11	1	25	41	24	18	20				
6 380 61-27 DO YOU USE OR REFER TO PN JUNCTION DIODE CHARACTERISTIC CURVES, SUCH AS VOLTAGE - CURRENT CHARACTERISTIC CURVES (PERHAPS YOU DO THIS TO IDENTIFY POINTS OF STRUCTURAL BREAKDOWN OR OPERATING REGIONS)	19	20	1	1	0	3	0	6	19	0	0	2				
6 381 61-28 DO YOU DETERMINE WHETHER PN JUNCTION DIODES ARE FORWARD BIASED OR REVERSE BIASED WHEN YOU READ OR INTERPRET CIRCUIT DIAGRAMS	68	40	5	5	3	25	3	39	56	32	36	32				
6 382 61-29 DO YOU USE OR REFER TO VALENCE BAND IN SEMICONDUCTOR MATERIALS	9	0	1	1	0	0	0	3	11	0	0	0				

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

Task ID	Description	SPC 001	SPC 026	SPC 600	SPC 601	SPC 602	SPC 603	SPC 608	SPC 609	SPC 606	SPC 607	SPC 608	SPC 609
6 383	61-30 DO YOU USE OR REFER TO FORBIDDEN BAND IN SEMICONDUCTOR MATERIALS	8	0	1	1	0	0	0	2	7	0	0	0
6 384	61-31 DO YOU USE OR REFER TO CONDUCTION BAND IN SEMICONDUCTOR MATERIALS	9	0	1	1	0	0	0	4	15	0	0	0
6 385	61-32 DO YOU USE OR REFER TO COVALENT BONDING IN SEMICONDUCTOR MATERIALS	8	0	1	0	0	0	0	3	11	0	0	0
6 386	61-33 DO YOU USE OR REFER TO ELECTRON-HOLE PAIR CREATED IN SEMICONDUCTORS	10	0	1	0	0	0	0	4	11	0	0	2
6 387	61-34 DO YOU USE OR REFER TO ELECTRON FLOW OR HOLE FLOW IN SEMICONDUCTORS	22	0	2	2	1	6	0	8	15	4	9	7
6 388	61-35 DO YOU USE OR REFER TO DONOR IMPURITY IN SEMICONDUCTORS	10	0	1	0	0	0	0	5	15	0	0	2
6 389	61-36 DO YOU USE OR REFER TO ACCEPTOR IMPURITY IN SEMICONDUCTORS	10	0	1	0	0	0	0	5	15	0	0	2
6 390	61-37 DO YOU USE OR REFER TO P-TYPE SEMICONDUCTOR MATERIAL	39	20	2	1	1	6	1	16	26	12	27	10
6 391	61-38 DO YOU USE OR REFER TO N-TYPE SEMICONDUCTOR MATERIAL	38	20	2	1	1	6	1	16	26	12	27	10
6 392	61-39 DO YOU USE OR REFER TO MAJORITY CARRIERS IN SEMICONDUCTORS	14	0	1	0	0	0	1	7	15	4	0	5
6 393	61-40 DO YOU USE OR REFER TO MINORITY CARRIERS IN SEMICONDUCTORS	14	0	1	0	0	0	1	7	15	4	0	5
6 394	61-41 DO YOU USE OR REFER TO JUNCTION RECOMBINATION IN SEMICONDUCTORS	10	0	1	0	0	0	0	6	11	0	0	7
6 395	61-42 DO YOU USE OR REFER TO DEPLETION REGION IN SEMICONDUCTORS	12	10	1	0	0	0	0	6	15	0	0	5
6 396	61-43 DO YOU USE OR REFER TO RELATIONSHIP BETWEEN BARRIER WIDTH AND DIFFERENCE OF POTENTIAL	14	10	1	0	1	0	0	7	19	0	0	5
6 397	61-44 DO YOU USE OR REFER TO THE 10:1 BACK TO FRONT RESISTANCE RATIO FOR DIODES	72	60	2	1	1	11	0	32	67	24	18	17
6 398	61-45 DO YOU USE OR REFER TO BARRIER HEIGHT IN SEMICONDUCTORS	13	10	1	0	0	0	0	5	15	0	0	2
6 399	61-46 DO YOU USE OR REFER TO DIODE SUBSTITUTION INFORMATION	53	80	1	0	1	0	1	27	78	4	0	17
6 400	61-47 DO YOU USE OR REFER TO MAXIMUM AVERAGE FORWARD CURRENT DIODE RATINGS	32	40	1	1	1	0	0	15	33	4	9	12
6 401	61-48 DO YOU USE OR REFER TO PEAK RECURRENT FORWARD CURRENT DIODE RATINGS	26	40	1	1	1	0	0	10	22	0	9	10
6 402	61-49 DO YOU USE OR REFER TO MAXIMUM SURGE CURRENT DIODE RATINGS	28	50	1	1	1	0	0	17	33	12	9	12
6 403	61-50 DO YOU USE OR REFER TO PEAK REVERSE (INVERSE) VOLTAGE DIODE RATINGS	39	50	1	1	1	0	0	17	33	4	9	17
6 404	62-01 DO YOU WORK WITH TRANSISTORS IN YOUR PRESENT JOB.	89	100	9	8	3	36	12	75	93	60	73	76
6 405	62-02 DO YOU INSPECT TRANSISTORS	86	90	7	1	3	31	10	70	93	56	73	66
6 406	62-03 DO YOU REMOVE OR REPLACE TRANSISTORS	89	100	6	1	2	31	8	57	93	28	45	56
6 407	62-04 DO YOU CHECK TRANSISTORS USING AN INSTRUMENT	86	90	5	3	2	28	6	56	78	48	36	54
6 408	62-05 DO YOU USE OR REFER TO EMITTER - BASE (EB) FORWARD AND REVERSE RESISTANCE MEASUREMENTS	88	90	4	4	1	19	4	52	85	44	36	39
6 409	62-06 DO YOU USE OR REFER TO COLLECTOR - BASE (CB) FORWARD AND REVERSE RESISTANCE MEASUREMENTS	86	90	4	3	1	19	4	49	81	40	27	39

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DX-ISK

Task ID	Description	SPC 001	SPC 026	SPC 600	SPC 601	SPC 602	SPC 603	SPC 604	SPC 605	SPC 606	SPC 607	SPC 608	SPC 609
6 410	62-07 DO YOU USE OR REFER TO EMITTER - COLLECTOR (EC)	86	90	4	3	1	19	4	50	81	40	27	41
	RESISTANCE MEASUREMENTS												
6 411	62-08 DO YOU USE OR REFER TO HOW BIASING AFFECTS THE PHYSICAL BARRIER WIDTH OF THE EMITTER - BASE JUNCTION	30	0	1	1	0	6	1	24	44	12	18	20
6 412	62-09 DO YOU USE OR REFER TO HOW BIASING AFFECTS THE PHYSICAL BARRIER WIDTH OF THE COLLECTOR - BASE JUNCTION	29	0	1	1	0	6	1	24	44	12	18	20
6 413	62-10 DO YOU USE OR REFER TO THE PHYSICAL SIZE OF THE TRANSISTOR STRUCTURE (COLLECTOR, BASE AND EMITTER)	49	50	2	1	1	6	2	38	59	24	27	37
6 414	62-11 DO YOU USE OR REFER TO LEAKAGE CURRENT (ICBO) IN A TRANSISTOR	24	40	1	1	1	0	0	17	26	16	0	17
6 415	62-12 DO YOU USE OR REFER TO TRANSISTOR SCHEMATIC SYMBOLS	86	100	8	8	3	25	11	75	96	56	73	76
6 416	62-13 DO YOU USE OR REFER TO TRANSISTOR NOTATION SUCH AS Q1, Q2, Q3, ETC	87	100	6	3	2	19	10	75	93	60	73	73
6 417	62-14 DO YOU USE OR REFER TO TRANSISTOR SUBSTITUTION INFORMATION	61	80	2	0	1	3	2	38	61	12	36	27
6 418	62-15 DO YOU USE OR REFER TO THE GENERAL RULE THAT THE TRANSISTOR BASE CURRENT IS NORMALLY SIGNIFICANTLY SMALLER THAN THE EMITTER CURRENT IE (USUALLY IS BEING 2 TO 8 PERCENT OF IE)	40	20	1	1	0	3	0	23	44	12	9	20
6 419	62-16 DO YOU USE THE INFORMATION THAT THE EFFECT OF EMITTER BASE VOLTAGE ON BASE CURRENT IS THE CONTROLLING FACTOR FOR TRANSISTORS	53	30	2	1	0	3	2	32	59	12	18	29
6 420	62-17 DO YOU USE THE GENERAL RULE THAT LEAKAGE CURRENT (ICBO) IN A TRANSISTOR INCREASES AS TEMPERATURE INCREASES	29	20	1	1	0	6	1	10	22	4	0	10
6 421	62-18 DO YOU USE OR REFER TO TRANSISTOR CHARACTERISTIC CURVES	22	30	1	0	0	0	0	14	37	4	0	10
6 422	62-19 DO YOU USE OR REFER TO BETA TRANSISTOR GAINS	14	20	1	0	1	0	0	10	19	4	0	12
6 423	62-20 DO YOU USE OR REFER TO ALPHA TRANSISTOR GAINS	19	20	1	0	1	0	0	10	19	4	0	12
6 424	62-21 DO YOU USE OR REFER TO GAMMA TRANSISTOR GAINS	13	10	1	0	1	0	0	9	19	4	0	10
6 425	62-22 DO YOU CALCULATE BETA TRANSISTOR GAINS	10	0	1	0	0	0	0	5	11	0	0	5
6 426	62-23 DO YOU CALCULATE ALPHA TRANSISTOR GAINS	10	0	1	0	0	0	0	5	11	0	0	5
6 427	62-24 DO YOU CALCULATE GAMMA TRANSISTOR GAINS	9	0	1	0	0	0	0	4	11	0	0	2
6 428	63-01 DO YOU WORK WITH TRANSISTOR AMPLIFIERS IN YOUR PRESENT JOB	72	80	4	4	2	8	2	50	67	40	55	44
6 429	63-02 DO YOU INSPECT TRANSISTOR AMPLIFIERS	67	90	3	0	3	14	2	45	63	40	45	39
6 430	63-03 DO YOU ALIGN OR ADJUST TRANSISTOR AMPLIFIERS	64	100	2	0	1	11	0	41	56	32	45	37
6 431	63-04 DO YOU TROUBLESHOOT TO THE AMPLIFIER CIRCUIT LEVEL	69	100	3	1	3	8	2	41	59	32	45	34
6 432	63-05 DO YOU TROUBLESHOOT TO AMPLIFIER COMPONENTS	70	100	2	1	1	11	1	29	59	12	9	27
6 433	63-06 DO YOU REMOVE OR REPLACE THE COMPLETE AMPLIFIER	62	80	4	0	4	11	2	44	63	40	45	37
6 434	63-07 DO YOU REMOVE OR REPLACE AMPLIFIER COMPONENTS	71	100	2	0	1	11	0	24	59	8	0	17
6 435	63-08 DO YOU USE OR REFER TO (COMMON EMITTER) THE CHANGE IN COLLECTOR CURRENT WHICH RESULTS FROM A CHANGE IN BASE CURRENT	43	40	1	0	0	3	0	17	41	4	9	10
6 436	63-09 DO YOU USE OR REFER TO (COMMON EMITTER) THE CALCULATIONS NECESSARY TO MEASURE THE SPECIFIC CHANGE IN COLLECTOR CURRENT WHICH RESULTS FROM A SPECIFIC CHANGE IN BASE CURRENT	15	20	1	0	0	3	0	8	26	0	0	5

PCI MRRS RESPONDING *YES* BY DAFSC GROUPS
 TASK GROUP SUMMARY
 PERCENT MEMBERS PERFORMING

DY-TSK

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	001	026	600	601	602	603	604	605	606	607	608	609						
6 437 63-10 DO YOU USE OR REFER TO (COMMON EMITTER) THE CHANGE IN COLLECTOR VOLTAGE WHICH RESULTS FROM A CHANGE IN BASE CURRENT	41	40	1	0	0	3	0	16	41	8	0	7						
6 438 63-11 DO YOU USE OR REFER TO (COMMON EMITTER) THE CALCULATIONS NECESSARY TO MEASURE THE SPECIFIC CHANGE IN COLLECTOR VOLTAGE WHICH RESULTS FROM A SPECIFIC CHANGE IN BASE CURRENT	18	30	1	0	0	0	0	8	22	4	0	2						
6 439 63-12 DO YOU USE OR REFER TO (COMMON EMITTER) THE CHANGE IN BASE CURRENT WHICH RESULTS FROM AN INPUT SIGNAL	42	20	1	0	0	3	0	15	35	8	0	10						
6 440 63-13 DO YOU USE OR REFER TO (COMMON EMITTER) THE CALCULATIONS NECESSARY TO MEASURE THE SPECIFIC CHANGE IN BASE CURRENT WHICH RESULTS FROM A SPECIFIC INPUT SIGNAL	19	0	1	0	0	0	0	9	26	4	0	5						
6 441 63-14 DO YOU USE THE LOAD-LINE METHOD OF ANALYSIS IN YOUR CIRCUIT ANALYSIS (THIS METHOD REQUIRES YOU TO PLOT A LOAD-LINE ON A TRANSISTOR CHARACTERISTIC CURVE)	6	0	1	0	1	0	0	4	11	4	0	0						
6 442 63-15 DO YOU USE OR REFER TO THE OPERATING POINT Q (QUIESCENT POINT) FOR A TRANSISTOR	25	30	1	0	1	0	0	8	22	4	9	2						
6 443 63-16 DO YOU CALCULATE THE SPECIFIC QUIESCENT POINT FOR A PARTICULAR TRANSISTOR	9	0	1	0	1	0	0	5	15	4	0	0						
6 444 63-17 DO YOU MEASURE VOLTAGE GAIN USED IN THE COMMON EMITTER CONFIGURATION	54	70	2	1	1	8	0	27	41	28	36	17						
6 445 63-18 DO YOU MEASURE CURRENT GAIN USED IN THE COMMON EMITTER CONFIGURATION	41	40	1	1	1	8	0	19	30	20	36	7						
6 446 63-19 DO YOU MEASURE POWER GAIN USED IN THE COMMON EMITTER CONFIGURATION	34	30	1	0	1	8	0	16	22	24	36	7						
6 447 63-20 DO YOU CALCULATE THE VOLTAGE GAIN FOR SPECIFIC TRANSISTORS USING A FORMULA THAT IS, DO YOU DIVIDE THE CHANGE IN BASE-EMITTER VOLTAGE INTO THE CHANGE THE BASE COLLECTOR VOLTAGE TO DETERMINE THE VOLTAGE GAIN	16	0	1	0	0	0	0	5	11	4	0	2						
6 448 63-21 DO YOU CALCULATE THE CURRENT GAIN FOR SPECIFIC TRANSISTORS USING A FORMULA THAT IS, DO YOU DIVIDE THE CHANGE IN BASE CURRENT INTO THE CHANGE IN COLLECTOR CURRENT TO DETERMINE THE CURRENT GAIN	13	0	1	0	0	0	0	6	11	4	0	5						
6 449 63-22 DO YOU CALCULATE THE POWER GAIN FOR A SPECIFIC TRANSISTOR USING A FORMULA THAT IS, DO YOU MULTIPLY THE CURRENT GAIN TIMES THE VOLTAGE GAIN TO DETERMINE THE POWER GAIN	12	0	1	0	0	0	0	4	11	0	0	2						
6 450 63-23 DO YOU NEED TO KNOW THAT MORE COLLECTOR CURRENT IS GENERATED WITH LESS COLLECTOR VOLTAGE AS TEMPERATURE INCREASES (THIS AFFECTS THE STATIC OPERATING POINT EQ3 OF THE TRANSISTOR)	16	0	1	0	0	0	0	5	19	0	0	0						
6 451 63-24 DO YOU COMPUTE THE STATIC OPERATING POINT EQ3 OF A TRANSISTOR AT DIFFERENT TEMPERATURES	7	0	0	0	0	0	0	5	19	0	0	0						
6 452 63-25 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH EMITTER (SWAPPING) RESISTOR STABILIZATION	41	30	1	1	0	6	0	17	22	16	18	15						
6 453 63-26 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH SELF-BIAS STABILIZATION	39	30	1	1	0	3	0	15	22	16	18	10						

PCI HBRS RESPONDING 'YES' BY DAESC GROUPS
 TASK GROUP SUMMARY
 PERCENT MEMBERS PERFORMING

Task Description	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	001	026	600	601	602	603	604	605	606	607	608	609			
6 454 63-27 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH THE THERMISTOR STABILIZATION	33	30	1	1	1	1	6	0	19	26	20	18	15		
6 455 63-28 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH THE FORWARD BIAS DIODE STABILIZATION	41	30	1	1	0	6	0	18	26	20	18	12			
6 456 63-29 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH THE REVERSE BIAS DIODE STABILIZATION	41	30	1	1	1	6	0	18	26	20	18	12			
6 457 63-30 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH DOUBLE DIODE STABILIZATION	31	30	1	1	1	3	0	14	22	12	18	10			
6 458 63-31 DO YOU TROUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS WHICH PERFORM EMITTER (SWAMPING) RESISTOR STABILIZATION	48	40	1	0	1	3	0	18	30	12	18	15			
6 459 63-32 DO YOU TROUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS WHICH PERFORM SELF-BIAS STABILIZATION	46	40	1	0	1	3	0	17	26	12	18	15			
6 460 63-33 DO YOU TROUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS WHICH PERFORM THERMISTOR STABILIZATION	39	40	1	0	1	3	0	19	26	16	18	12			
6 461 63-34 DO YOU TROUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS WHICH PERFORM FORWARD BIAS DIODE STABILIZATION	46	40	1	0	1	3	0	20	33	16	18	15			
6 462 63-35 DO YOU TROUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS WHICH PERFORM REVERSE BIAS DIODE STABILIZATION	46	40	1	0	1	3	0	20	33	16	18	15			
6 463 63-36 DO YOU TROUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS WHICH PERFORM DOUBLE DIODE STABILIZATION	35	40	1	0	1	3	0	15	26	8	18	12			
6 464 63-37 DO YOU IDENTIFY AMPLITUDE DISTORTION FOR TRANSISTOR CIRCUITS	39	30	1	0	0	6	0	20	26	8	45	17			
6 465 63-38 DO YOU TROUBLESHOOT TRANSISTOR CIRCUITS TO FIND THE CAUSES OF AMPLITUDE DISTORTION	43	50	1	0	1	6	0	23	33	12	27	22			
6 466 63-39 DO YOU IDENTIFY FREQUENCY DISTORTION FOR TRANSISTOR CIRCUITS	38	40	1	0	1	3	0	18	19	16	36	15			
6 467 63-40 DO YOU IDENTIFY PHASE DISTORTION FOR TRANSISTOR CIRCUITS	36	10	1	0	0	3	0	20	26	16	36	15			
6 468 63-41 DO YOU TROUBLESHOOT TRANSISTOR CIRCUITS TO FIND THE CAUSES OF PHASE DISTORTION	33	10	1	0	1	3	0	18	22	12	27	17			
6 469 63-42 DO YOU TROUBLESHOOT TRANSISTOR CIRCUITS TO FIND THE CAUSES OF FREQUENCY DISTORTION	37	30	1	0	1	6	0	16	19	12	18	17			
6 470 63-43 DO YOU NEED TO KNOW THE DEGENERATIVE EFFECTS ON THE CIRCUIT CAUSED BY CHANGING EMITTER RESISTANCE FOR TRANSISTOR AMPLIFIERS IN THE COMMON COLLECTOR CONFIGURATION	30	10	1	0	0	3	0	9	19	0	9	10			
6 471 63-44 DO YOU DETERMINE THE CLASS OF OPERATION FOR AMPLIFIERS IN ORDER TO TROUBLESHOOT AMPLIFIER CIRCUITS	36	30	1	0	1	0	0	15	26	4	18	15			
6 472 63-45 DO YOU TROUBLESHOOT OR REPAIR PARAPHASE AMPLIFIERS	52	30	1	1	0	0	0	12	19	8	18	10			
6 473 63-46 DO YOU TROUBLESHOOT OR REPAIR PUSH-PULL AMPLIFIERS	64	70	2	1	1	6	1	25	41	16	36	20			
6 474 63-47 DO YOU TROUBLESHOOT OR REPAIR COMPLEMENTARY SYMMETRY CIRCUITS	32	30	1	0	0	3	0	19	26	8	27	17			
6 475 63-48 DO YOU TROUBLESHOOT OR REPAIR COMMON-EMITTER AMPLIFIERS	36	30	2	1	1	6	1	19	22	12	26	17			

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

OY-TSK

Task Description	SPC 001	SPC 026	SPC 500	SPC 601	SPC 602	SPC 603	SPC 604	SPC 605	SPC 606	SPC 607	SPC 608	SPC 609
6 476 63-49 DO YOU TROUBLESHOOT OR REPAIR CASCADE-CONNECTED AMPLIFIERS	52	50	1	0	1	0	0	19	22	16	36	15
H 477 H1-01 DO YOU USE OR REFER TO VARACTORS	44	10	2	0	3	3	1	12	22	8	9	10
H 478 H1-02 DO YOU USE OR REFER TO TUNNEL DIODES	52	20	3	2	2	6	2	25	26	24	18	27
H 479 H1-03 DO YOU USE OR REFER TO FIELD EFFECT TRANSISTORS (FET)	47	50	2	3	1	6	1	30	44	24	27	27
H 480 H1-04 DO YOU USE OR REFER TO UNIJUNCTION TRANSISTORS	38	40	2	2	1	0	1	25	30	20	27	27
H 481 H1-05 DO YOU USE OR REFER TO ZENER DIODES	89	80	12	12	5	31	14	65	85	56	64	59
H 482 H1-06 DO YOU USE OR REFER TO INTEGRATED CIRCUITS	56	80	17	16	7	19	30	64	59	60	73	68
H 483 H2-01 IN YOUR PRESENT JOB, DO YOU WORK WITH POWER SUPPLIES	94	100	45	55	46	42	33	89	93	80	100	88
H 484 H2-02 DO YOU INSPECT POWER SUPPLIES	95	90	29	40	25	44	24	85	85	84	82	88
H 485 H2-03 DO YOU CLEAN POWER SUPPLIES	94	90	12	5	9	47	17	83	81	84	73	88
H 486 H2-04 DO YOU ALIGN OR ADJUST POWER SUPPLIES	95	100	16	30	13	28	20	85	81	80	91	90
H 487 H2-05 DO YOU TROUBLESHOOT TO POWER SUPPLY CIRCUIT LEVEL	95	100	25	38	21	31	20	75	85	68	55	78
H 488 H2-06 DO YOU TROUBLESHOOT TO POWER SUPPLY COMPONENTS	95	100	22	41	17	22	13	63	85	60	36	61
H 489 H2-07 DO YOU REMOVE OR REPLACE COMPLETE POWER SUPPLIES	87	100	29	3	42	36	25	81	74	80	73	90
H 490 H2-08 DO YOU REMOVE OR REPLACE POWER SUPPLY COMPONENTS	95	100	11	3	12	19	12	62	85	60	55	54
H 491 H2-09 DO YOU WORK WITH HALF-WAVE RECTIFIERS	85	100	4	4	2	19	2	46	74	28	45	46
H 492 H2-10 DO YOU WORK WITH FULL-WAVE RECTIFIERS OTHER THAN BRIDGE RECTIFIERS	87	100	4	3	3	19	3	51	78	36	36	49
H 493 H2-11 DO YOU WORK WITH BRIDGE RECTIFIERS	90	70	6	5	4	19	3	57	81	36	64	54
H 494 H2-12 DO YOU WORK WITH THREE-PHASE RECTIFIERS	26	50	6	6	4	22	5	45	70	36	27	41
H 495 H2-13 DO YOU USE OR REFER TO INPUT VOLTAGE	93	100	21	28	21	33	9	75	85	72	64	73
H 496 H2-14 DO YOU USE OR REFER TO INPUT FREQUENCY	60	80	15	16	18	25	6	65	74	64	64	59
H 497 H2-15 DO YOU USE OR REFER TO PEAK OUTPUT VOLTAGE	74	70	11	10	13	31	5	60	67	68	55	56
H 498 H2-16 DO YOU USE OR REFER TO AVERAGE OUTPUT VOLTAGE	79	90	13	13	13	33	6	57	70	72	73	56
H 499 H2-17 DO YOU USE OR REFER TO RIPPLE AMPLITUDE	63	60	5	3	3	22	2	64	70	72	73	56
H 500 H2-18 DO YOU USE OR REFER TO RIPPLE FREQUENCY	53	50	4	3	3	19	1	53	63	60	64	41
H 501 H2-19 DO YOU USE OR REFER TO PEAK REVERSE (INVERSE) VOLTAGE	49	40	3	2	3	14	1	35	52	24	36	32
H 502 H2-20 DO YOU USE OR REFER TO SHAPE OF OUTPUT WAVEFORMS	74	70	5	1	3	25	4	67	67	72	73	63
H 503 H2-21 DO YOU USE OR REFER TO EFFECTIVE OUTPUT VOLTAGE	80	100	12	10	12	28	7	61	67	60	64	61
H 504 H2-22 DO YOU WORK WITH CIRCUITS WHICH EMPLOY CAPACITIVE FILTERS	86	70	11	9	14	11	5	58	81	48	73	46
H 505 H2-23 DO YOU WORK WITH CIRCUITS WHICH EMPLOY INDUCTIVE FILTERS	86	50	6	7	6	8	3	51	70	40	73	41
H 506 H2-24 DO YOU WORK WITH CIRCUITS WHICH EMPLOY CAPACITIVE INPUT L-TYPE FILTERS	79	50	4	4	3	3	3	42	52	32	64	37
H 507 H2-25 DO YOU WORK WITH CIRCUITS WHICH EMPLOY INDUCTIVE INPUT L-TYPE FILTERS	80	50	3	3	2	0	3	37	48	28	64	29
H 508 H2-26 DO YOU WORK WITH CIRCUITS WHICH EMPLOY LC PI-TYPE FILTERS	77	40	3	2	1	3	3	36	44	12	55	27
H 509 H2-27 DO YOU WORK WITH CIRCUITS WHICH EMPLOY RC PI-TYPE FILTERS	77	40	3	2	2	3	3	30	41	12	55	29
H 510 H2-28 DO YOU WORK WITH CIRCUITS WHICH EMPLOY DOWN-T RESEMBER WHICH TYPE OF FILTER	19	30	16	22	17	14	10	42	30	44	36	49
H 511 H2-29 DO YOU HAVE THE OPTION OF REPLACING ONE TYPE OF FILTER WITH A DIFFERENT TYPE FILTER	4	0	1	0	1	6	0	2	4	0	0	2
H 512 H3-01 DO YOU WORK WITH OSCILLATORS IN YOUR PRESENT JOB	76	30	3	2	2	3	2	52	26	60	82	59

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DX-TSK

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	001	026	600	601	602	603	60A	60S	60E	60T	60H	60I	60J	60K	60L	60M	60N	60O	60P
H 513 H3-02 DO YOU INSPECT OSCILLATORS	71	50	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
H 514 H3-03 DO YOU ALIGN OR ADJUST OSCILLATORS	64	40	2	1	1	0	1	42	26	32	64	54							
H 515 H3-04 DO YOU REMOVE OR REPLACE COMPLETE OSCILLATORS	69	40	2	0	2	0	1	46	22	56	64	54							
H 516 H3-05 DO YOU REMOVE OR REPLACE OSCILLATOR COMPONENTS	68	40	1	0	0	0	0	18	22	12	27	17							
H 517 H3-06 DO YOU TROUBLESHOOT TO OSCILLATOR CIRCUIT LEVEL	74	40	2	2	1	0	0	40	26	48	45	44							
H 518 H3-07 DO YOU TROUBLESHOOT TO OSCILLATOR COMPONENTS	71	40	1	0	0	0	0	21	22	16	18	24							
H 519 H3-08 DO YOU USE OR REFER TO FEEDBACK	66	30	1	0	0	3	0	25	22	24	18	29							
H 520 H3-09 DO YOU USE OR REFER TO FREQUENCY DETERMINING DEVICES (FDD)	63	30	1	1	1	0	0	30	19	24	36	41							
H 521 H3-10 DO YOU USE OR REFER TO AMPLITUDE STABILITY	54	40	1	0	0	0	0	31	15	40	27	39							
H 522 H3-11 DO YOU USE OR REFER TO FREQUENCY STABILITY	57	40	1	0	0	0	0	35	22	40	27	44							
H 523 H3-12 DO YOU USE OR REFER TO DAMPING	66	30	1	0	0	3	0	20	15	26	27	17							
H 524 H3-13 DO YOU USE OR REFER TO REGENERATIVE FEEDBACK	62	20	1	0	0	3	0	18	19	16	18	20							
H 525 H3-14 DO YOU USE OR REFER TO PIEZOELECTRIC EFFECT	26	10	0	0	0	0	0	9	7	8	9	12							
H 526 H3-15 DO YOU USE OR REFER TO CRITICAL DAMPING	41	0	1	1	1	0	0	11	7	12	9	15							
H 527 H3-16 DO YOU USE OR REFER TO UNDER DAMPING	48	30	1	1	0	0	0	14	7	16	18	17							
H 528 H3-17 DO YOU USE OR REFER TO OVER DAMPING	48	30	1	0	0	0	0	14	7	16	18	17							
H 529 H3-18 DO YOU WORK WITH OSCILLATORS WHICH USE LC TANK CIRCUITS AS FDD	58	40	1	1	1	0	0	22	19	16	16	20							
H 530 H3-19 DO YOU WORK WITH OSCILLATORS WHICH USE RC NETWORKS AS FDD	62	40	1	1	1	0	0	27	26	16	55	29							
H 531 H3-20 DO YOU WORK WITH OSCILLATORS WHICH USE CRYSTALS AS FDD	59	40	1	1	1	0	0	30	15	40	55	29							
H 532 H3-21 DO YOU WORK WITH OSCILLATORS WHICH USE DON'T REMEMBER WHICH TYPE OF FDD	13	20	1	1	1	0	1	21	0	32	18	29							
H 533 H3-22 DO YOU WORK WITH SERIES HARTLEY SINUSOIDAL OSCILLATORS	39	10	1	0	0	0	0	15	19	8	36	12							
H 534 H3-23 DO YOU WORK WITH SHUNT HARTLEY SINUSOIDAL OSCILLATORS	37	0	1	0	0	0	0	15	19	8	36	12							
H 535 H3-24 DO YOU WORK WITH COLPITS SINUSOIDAL OSCILLATORS	41	10	1	1	0	0	0	12	15	4	27	12							
H 536 H3-25 DO YOU WORK WITH CLAPP SINUSOIDAL OSCILLATORS	31	0	1	1	0	0	0	12	11	8	27	12							
H 537 H3-26 DO YOU WORK WITH BUTLER SINUSOIDAL OSCILLATORS	27	0	0	0	0	0	0	11	11	4	27	12							
H 538 H3-27 DO YOU WORK WITH DON'T REMEMBER WHICH TYPE OF OSCILLATORS	32	30	1	1	1	0	1	27	7	32	45	34							
I 539 I1-01 DO YOU WORK WITH MULTIVIBRATORS IN YOUR PRESENT JOB	74	40	2	1	1	0	0	26	11	24	45	34							
I 540 I1-02 DO YOU INSPECT WAVE GENERATING OR SHAPING CIRCUITS	65	40	1	0	1	0	0	23	4	20	45	32							
I 541 I1-03 DO YOU ALIGN OR ADJUST WAVE GENERATING OR SHAPING CIRCUITS	63	30	1	0	1	0	0	23	4	20	45	32							
I 542 I1-04 DO YOU CALIBRATE WAVE GENERATING OR SHAPING CIRCUITS	59	30	1	1	0	0	0	19	4	20	18	29							
I 543 I1-05 DO YOU TROUBLESHOOT TO WAVE GENERATING OR SHAPING CIRCUITS	67	50	1	1	1	0	0	24	4	20	36	37							
I 544 I1-06 DO YOU TROUBLESHOOT TO WAVE GENERATING OR SHAPING CIRCUIT COMPONENTS	73	50	1	1	0	0	0	16	4	12	18	27							
I 545 I1-07 DO YOU REMOVE OR REPLACE COMPLETE WAVE GENERATING OR SHAPING CIRCUITS	59	50	1	0	1	0	0	23	4	24	36	32							
I 546 I1-08 DO YOU REMOVE OR REPLACE WAVE GENERATING OR SHAPING CIRCUIT COMPONENTS	68	40	1	0	0	0	0	6	4	8	9	12							
I 547 I1-09 DO YOU WORK WITH MULTIVIBRATORS WHICH CONTAIN LC TANK CIRCUITS	55	20	1	1	0	0	0	17	7	16	45	17							

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DY-15K

Task ID	Description	001	026	600	601	602	603	604	605	606	607	608	609
I 548	11-10 DO YOU WORK WITH MULTIVIBRATORS WHICH CONTAIN RC NETWORKS	59	50	1	1	0	0	0	0	18	7	16	45
I 549	11-11 DO YOU WORK WITH MULTIVIBRATORS WHICH CONTAIN CRYSTALS	49	40	1	1	0	0	0	0	14	7	16	36
I 550	11-12 DO YOU WORK WITH MULTIVIBRATORS WHICH CONTAIN DON'T REMEMBER WHICH TYPE OF FDD	15	20	1	0	1	0	0	0	8	0	8	0
I 551	11-13 DO YOU WORK WITH ASTABLE MULTIVIBRATORS	66	30	1	1	0	0	0	0	21	7	20	45
I 552	11-14 DO YOU WORK WITH MONOSTABLE MULTIVIBRATORS	68	30	1	1	0	0	0	0	21	7	20	45
I 553	11-15 DO YOU WORK WITH BISTABLE MULTIVIBRATORS	68	40	1	1	0	0	0	0	21	7	20	45
I 554	11-16 DO YOU WORK WITH DON'T REMEMBER WHICH TYPE MULTIVIBRATORS	9	10	1	0	1	0	0	0	7	4	4	9
I 555	12-01 DO YOU WORK WITH LIMITERS OR CLAMPERS IN YOUR PRESENT JOB	66	60	2	2	0	2	3	2	24	19	24	45
I 556	12-02 DO YOU WORK WITH SERIES DIODE LIMITERS	56	20	1	0	0	3	1	14	15	12	27	12
I 557	12-03 DO YOU WORK WITH SHUNT DIODE LIMITERS	54	20	1	0	0	3	1	13	15	12	27	10
I 558	12-04 DO YOU WORK WITH LIMITERS WITH BIAS	50	10	1	0	0	3	1	12	15	12	18	10
I 559	12-05 DO YOU WORK WITH ZENER DIODE LIMITERS	59	40	1	0	1	3	1	16	15	12	27	17
I 560	12-06 DO YOU WORK WITH TRANSISTOR LIMITERS	49	20	1	0	0	3	1	14	15	12	18	15
I 561	12-07 DO YOU WORK WITH DON'T KNOW WHICH TYPE OF LIMITERS	10	10	2	0	2	0	3	1	9	11	8	18
I 562	12-08 DO YOU WORK WITH BASIC DIODE CLAMPING CIRCUITS	56	10	1	0	0	0	1	10	7	8	18	12
I 563	12-09 DO YOU WORK WITH DIODE CLAMPING CIRCUITS WITH BIAS	52	10	1	0	0	0	1	8	7	8	18	7
I 564	12-10 DO YOU WORK WITH DON'T KNOW WHICH TYPE OF CLAMPING CIRCUIT	12	10	1	0	1	3	2	8	7	12	9	5
I 565	13-01 IN YOUR PRESENT JOB, DO YOU WORK ON EQUIPMENT WHICH CONTAINS ELECTRON TUBES	89	40	2	2	0	19	0	23	78	4	9	0
I 566	13-02 DO YOU CHECK ELECTRON TUBES TO SEE IF THEY ARE GOOD	86	30	1	0	0	14	0	18	70	0	0	0
I 567	13-03 DO YOU USE TUBE TESTERS TO CHECK ELECTRON TUBES	79	10	1	0	0	3	0	17	67	0	0	0
I 568	13-04 DO YOU USE MULTIMETERS TO CHECK ELECTRON TUBES	81	10	1	1	0	14	0	13	44	0	9	2
I 569	13-05 DO YOU USE SCOPES TO CHECK ELECTRON TUBES	68	10	1	0	0	14	0	14	52	0	9	0
I 570	13-06 DO YOU USE SUBSTITUTION TO CHECK ELECTRON TUBES	81	40	1	0	0	11	0	19	74	0	0	0
I 571	13-07 DO YOU USE OR REFER TO CUTOFF	68	10	0	0	0	0	0	9	33	0	0	0
I 572	13-08 DO YOU USE OR REFER TO PEAK INVERSE VOLTAGE RATING	25	10	0	0	0	3	0	7	26	0	0	0
I 573	13-09 DO YOU USE OR REFER TO PEAK CURRENT RATING	30	10	0	0	0	0	0	7	26	0	0	0
I 574	13-10 DO YOU USE OR REFER TO TRANSIT TIME	26	0	0	0	0	0	0	4	15	0	0	0
I 575	13-11 DO YOU USE OR REFER TO PLATE DISSIPATION RATING	21	0	0	0	0	3	0	7	26	0	0	0
I 576	13-12 DO YOU USE OR REFER TO SATURATION	72	10	0	0	0	0	0	3	0	7	22	0
I 577	13-13 DO YOU USE OR REFER TO DC PLATE RESISTANCE	44	0	0	0	0	0	0	0	7	7	22	0
I 578	13-14 DO YOU COMPUTE ACTUAL VALUES OF THE DC PLATE RESISTANCE FOR ELECTRON TUBES	12	0	0	0	0	0	0	6	19	0	9	0
I 579	13-15 DO YOU USE OR REFER TO PLATE VOLTAGE	86	10	1	1	0	17	0	19	67	0	9	0
I 580	13-16 DO YOU USE OR REFER TO PLATE CURRENT	64	10	1	0	0	11	0	13	48	0	0	0
I 581	13-17 DO YOU USE OR REFER TO GRID VOLTAGE	66	10	1	0	0	14	0	18	63	0	9	0
I 582	13-18 DO YOU USE OR REFER TO GRID CURRENT	64	10	1	0	0	14	0	12	44	0	0	0
I 583	13-19 DO YOU USE OR REFER TO CATHODE VOLTAGE	66	10	1	0	0	14	0	19	67	0	0	0
I 584	13-20 DO YOU USE OR REFER TO CATHODE CURRENT	65	10	1	1	1	14	0	12	44	0	0	0
I 585	13-21 DO YOU USE OR REFER TO THE TRIODE AMPLIFICATION FACTOR (THE AMPLIFICATION FACTOR FOR TRIODES IS DEFINED AS THE RATIO OF CHANGE IN PLATE VOLTAGE TO A CHANGE IN GRID VOLTAGE)	28	0	0	0	0	0	0	3	11	0	0	0

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	001	026	600	601	602	603	608	605	606	607	608	609	609	609
I 586 13-22 DO YOU CALCULATE ACTUAL VALUES OF TRIODE	0	0	0	0	0	0	0	0	3	11	0	0	0	0
AMPLIFICATION FACTORS														
I 587 13-23 DO YOU USE OR REFER TO MULTIGRID VITRODE, PENTODE, ETC) AMPLIFICATION FACTORS	26	0	0	0	0	0	3	0	1	9	0	0	0	0
I 588 13-24 DO YOU USE OR REFER TO ELECTRON TUBE TRANSCONDUCTANCE (6, WHICH IS MEASURED IN MHOS)	11	0	0	0	0	0	0	0	2	7	0	0	0	0
I 589 13-25 DO YOU CALCULATE ACTUAL VALUES OF ELECTRON TUBE TRANSCONDUCTANCES	9	0	0	0	0	0	0	0	1	9	0	0	0	0
I 590 13-26 DO YOU USE OR REFER TO THE ELECTRON TUBE PARAMETER CALLED AC PLATE RESISTANCE	12	0	0	0	0	0	0	0	1	9	0	0	0	0
I 591 13-27 DO YOU CALCULATE ACTUAL VALUES OF AC PLATE RESISTANCE	6	0	0	0	0	0	0	0	1	9	0	0	0	0
I 592 13-28 DO YOU USE OR REFER TO ELECTRON TUBE INTERELECTRODE CAPACITANCE	90	0	0	0	0	0	0	0	1	9	0	0	0	0
I 593 13-29 DO YOU USE OR REFER TO CHARACTERISTIC CURVES IN YOUR WORK WITH ELECTRON TUBES	15	0	0	0	0	0	0	0	3	11	0	0	0	0
I 594 13-30 DO YOU USE CHARACTERISTIC CURVES TO SELECT PLATE VOLTAGE FOR A SPECIFIED BIAS	13	0	0	0	0	0	0	0	9	15	0	0	0	0
I 595 13-31 DO YOU USE CHARACTERISTIC CURVES TO SELECT PLATE CURRENT FOR A SPECIFIED BIAS	11	0	0	0	0	0	0	0	3	11	0	0	0	0
I 596 13-32 DO YOU USE CHARACTERISTIC CURVES TO SELECT BIAS REQUIRED FOR CUTOFF	15	0	0	0	0	0	0	0	7	26	0	0	0	0
I 597 13-33 DO YOU USE CHARACTERISTIC CURVES TO SELECT BIAS REQUIRED FOR SATURATION	15	0	0	0	0	0	0	0	3	11	0	0	0	0
I 598 13-34 DO YOU USE OR REFER TO ELECTRON TUBE AMPLIFIER GAIN	66	10	0	0	0	0	3	0	19	48	0	9	0	0
I 599 13-35 DO YOU USE OR REFER TO ELECTRON TUBE AMPLIFIER EFFICIENCY	43	10	0	0	0	0	3	0	5	19	0	0	0	0
I 600 13-36 DO YOU USE TEST TUBE CHECKERS TO DETERMINE ELECTRON TUBE AMPLIFIER GAIN	59	0	0	0	0	0	0	0	13	48	0	0	0	2
I 601 13-37 DO YOU USE MULTIMETERS TO DETERMINE ELECTRON TUBE AMPLIFIER GAIN	59	0	0	0	0	0	3	0	10	37	0	9	0	0
I 602 13-38 DO YOU USE OSCILLOSCOPES TO DETERMINE ELECTRON TUBE AMPLIFIER GAIN	59	20	0	0	0	0	6	0	11	41	0	9	0	0
I 603 13-39 DO YOU USE CHARACTERISTIC CURVES TO DETERMINE ELECTRON TUBE AMPLIFIER GAIN	14	0	0	0	0	0	0	0	6	22	0	0	0	0
I 604 13-40 DO YOU CALCULATE ANY ELECTRON TUBE CAPACITANCES SUCH AS INPUT CAPACITANCE	5	0	0	0	0	0	0	0	4	15	0	0	0	0
I 605 13-41 DO YOU USE OR REFER TO TUBE SOCKET NOTATION	86	40	1	0	0	17	0	16	67	0	0	0	0	0
I 606 13-42 DO YOU USE OR REFER TO PIN NUMBERING SYSTEMS	88	30	1	1	0	19	0	21	78	0	0	0	0	0
I 607 13-43 DO YOU USE OR REFER TO THE TYPE OF MATERIAL OR THE OPERATING TEMPERATURE OF THE EMITTING SURFACE IN THE ELECTRON TUBES YOU WORK ON	10	0	0	0	0	0	0	5	19	0	0	0	0	0
I 608 13-44 DO YOU USE OR REFER TO TUBE SUBSTITUTION MATERIAL SUCH AS MANUALS OR CHADIS	59	20	0	0	0	0	0	0	14	56	0	0	0	0
J 609 JI-01 DO YOU WORK WITH ELECTRON TUBE AMPLIFIERS OR CIRCUITS IN YOUR PRESENT JOB	82	10	1	0	0	6	0	20	70	4	0	0	0	0
J 610 JI-02 DO YOU DETERMINE THE CLASS OF OPERATION FOR ELECTRON TUBE AMPLIFIERS IN ORDER TO TROUBLESHOOT AMPLIFIER CIRCUITS	39	0	0	0	0	0	0	0	8	30	0	0	0	0

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DY-TSK

Task Description	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	001	026	600	601	602	603	604	605	606	607	608	609							
J 611 J1-03 DO YOU TROUBLESHOOT OR REPAIR PARAPHASE AMPLIFIERS	56	0	0	0	0	0	0	0	0	0	3	11	0	0	0	0	0	0	0
J 612 J1-04 DO YOU TROUBLESHOOT OR REPAIR PUSH-PULL AMPLIFIERS	67	0	0	0	0	6	0	8	30	0	0	0	0	0	0	0	0	0	0
J 613 J1-05 DO YOU TROUBLESHOOT OR REPAIR COMPOUND-CONNECTED AMPLIFIERS	40	0	0	0	0	3	0	5	19	0	0	0	0	0	0	0	0	0	0
J 614 J1-06 DO YOU TROUBLESHOOT OR REPAIR CASCADE-CONNECTED AMPLIFIERS	53	0	0	0	0	0	0	0	7	26	0	0	0	0	0	0	0	0	0
J 615 J1-07 DO YOU TROUBLESHOOT OR REPAIR DON'T KNOW WHICH TYPE OF AMPLIFIER	25	0	0	0	0	3	0	8	26	4	0	0	0	0	0	0	0	0	0
J 616 J2-01 DO YOU WORK WITH GAS TUBES (HOT CATHODE OR COLD CATHODE)	78	0	1	0	0	6	0	9	33	0	0	0	0	0	0	0	0	0	0
J 617 J2-02 DO YOU WORK WITH CATHODE-RAY TUBES	87	10	2	0	2	8	0	16	41	4	18	7	0	0	0	0	0	0	0
J 618 J2-03 DO YOU USE OR REFER TO THE CHARACTERISTICS OF BEAM POWER TUBES	18	0	0	0	0	0	0	2	7	0	0	0	0	0	0	0	0	0	0
J 619 J2-04 DO YOU TROUBLESHOOT OR REPAIR CIRCUITS IN WHICH BEAM POWER TUBES ARE USED	29	10	0	0	0	0	0	2	7	0	0	0	0	0	0	0	0	0	0
J 620 J2-05 DO YOU USE OR REFER TO THE CHARACTERISTICS OF THYRATRONS	58	0	0	0	0	0	0	3	11	0	0	0	0	0	0	0	0	0	0
J 621 J2-06 DO YOU TROUBLESHOOT OR REPAIR CIRCUITS IN WHICH THYRATRONS ARE USED	79	0	0	0	0	0	0	3	11	0	0	0	0	0	0	0	0	0	0
J 622 J2-07 DO YOU USE OR REFER TO THE PRINCIPLES OF OPERATION OF ELECTRON GUNS OF CATHODE-RAY TUBES (CRT)	48	20	0	0	0	3	0	5	19	0	0	0	0	0	0	0	0	0	0
J 623 J2-08 DO YOU USE OR REFER TO THE PRINCIPLES OF OPERATION OF ELECTROMAGNETIC DEFLECTION SYSTEMS OF CATHODE-RAY TUBES (CRT)	63	20	0	0	0	3	0	6	22	0	0	0	0	0	0	0	0	0	0
J 624 J2-09 DO YOU USE OR REFER TO THE PRINCIPLES OF OPERATION OF ELECTROSTATIC DEFLECTION SYSTEMS OF CATHODE-RAY TUBES (CRT)	55	20	0	0	0	3	0	3	11	0	0	0	0	0	0	0	0	0	0
J 625 J2-10 DO YOU USE OR REFER TO PHOSPHOR SCREENS	70	20	1	0	0	3	1	8	15	4	0	0	0	0	0	0	0	0	0
J 626 J2-11 DO YOU USE OR REFER TO AQUADAG COATINGS	59	0	0	0	0	3	0	2	7	0	0	0	0	0	0	0	0	0	0
J 627 J2-12 DO YOU USE OR REFER TO ELECTRON OPTICS	19	0	0	0	0	0	0	3	11	0	0	0	0	0	0	0	0	0	0
J 628 J2-13 DO YOU USE OR REFER TO PERSISTENCE	31	10	1	0	0	6	0	4	11	0	0	0	0	0	0	0	0	0	0
J 629 J2-14 DO YOU USE OR REFER TO DECAY TIMES	30	10	0	0	0	6	0	5	15	0	0	2	0	0	0	0	0	0	0
J 630 J2-15 DO YOU USE OR REFER TO FLUORESCENCE	43	0	1	0	0	6	0	5	15	0	0	2	0	0	0	0	0	0	0
J 631 J2-16 DO YOU USE OR REFER TO PHOSPHORESCENCE	54	20	0	0	0	3	0	4	11	0	0	2	0	0	0	0	0	0	0
J 632 J3-01 DO YOU WORK ON TRANSMIT OR RECEIVE SYSTEMS IN YOUR PRESENT JOB	59	30	8	6	11	0	3	19	0	44	45	10	0	0	0	0	0	0	0
J 633 J3-02 DO YOU PERFORM TASKS ON FREQUENCY CONVERTERS	46	10	2	1	3	0	0	17	0	40	45	7	0	0	0	0	0	0	0
J 634 J3-03 DO YOU PERFORM TASKS ON FREQUENCY MIXERS	56	10	2	1	3	0	1	16	0	36	45	7	0	0	0	0	0	0	0
J 635 J3-04 DO YOU USE OR REFER TO THE HETERODYMING OF SIGNALS IN YOUR WORK WITH TRANSMIT OR RECEIVE SYSTEMS	42	20	1	1	1	0	0	7	0	4	2	0	0	0	0	0	0	0	0
J 636 J3-05 DO YOU PERFORM TASKS ON REACTANCE MODULATORS	27	10	1	1	1	0	0	7	0	24	9	0	0	0	0	0	0	0	0
J 637 J3-06 DO YOU PERFORM TASKS ON MODULATED OSCILLATORS	40	20	1	1	2	0	0	10	0	24	36	2	0	0	0	0	0	0	0
K 638 K1-01 DO YOU WORK ON AM TRANSMIT OR RECEIVE SYSTEMS IN YOUR PRESENT JOB	21	10	2	4	2	0	0	3	0	0	18	2	0	0	0	0	0	0	0
K 639 K1-02 DO YOU INSPECT AM TRANSMIT OR RECEIVE SYSTEMS	21	10	2	3	2	0	0	4	0	0	27	2	0	0	0	0	0	0	0
K 640 K1-03 DO YOU CLEAN AM TRANSMIT OR RECEIVE SYSTEMS	21	10	1	1	1	0	0	3	0	0	18	2	0	0	0	0	0	0	0
K 641 K1-04 DO YOU ALIGN OR ADJUST AM TRANSMIT OR RECEIVE SYSTEMS	21	10	1	1	1	0	0	3	0	0	18	2	0	0	0	0	0	0	0

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

Task ID	Description	SPC 001	SPC 026	SPC 600	SPC 601	SPC 602	SPC 603	SPC 608	SPC 605	SPC 606	SPC 607	SPC 608	SPC 609
K 642	K1-05 DO YOU TROUBLESHOOT TO AM TRANSMIT OR RECEIVE SYSTEMS	21	10	2	4	2	0	0	0	4	0	0	27
K 643	K1-06 DO YOU TROUBLESHOOT TO AM TRANSMIT OR RECEIVE SYSTEMS	21	10	1	1	1	0	0	0	2	0	0	9
K 644	K1-07 DO YOU REMOVE OR REPLACE AM TRANSMIT OR RECEIVE SYSTEMS	20	10	1	0	2	0	0	0	3	0	0	18
K 645	K1-08 DO YOU REMOVE OR REPLACE AM TRANSMIT OR RECEIVE SYSTEMS	21	10	0	0	1	0	0	0	2	0	0	9
K 646	K1-09 DO YOU PERFORM TASKS ON RF OSCILLATORS	22	10	0	0	1	0	0	0	4	0	0	27
K 647	K1-10 DO YOU PERFORM TASKS ON RF AMPLIFIERS	21	10	1	1	1	0	0	0	0	0	0	27
K 648	K1-11 DO YOU PERFORM TASKS ON AUDIO AMPLIFIERS	22	10	0	0	0	0	0	0	3	0	0	27
K 649	K1-12 DO YOU PERFORM TASKS ON POWER AMPLIFIERS	21	10	1	1	1	0	0	0	3	0	0	27
K 650	K1-13 DO YOU PERFORM TASKS ON LOCAL OSCILLATORS	22	10	0	0	0	0	0	0	3	0	0	27
K 651	K1-14 DO YOU PERFORM TASKS ON IF AMPLIFIERS	22	10	0	0	0	0	0	0	3	0	0	27
K 652	K1-15 DO YOU PERFORM TASKS ON DON'T REMEMBER WHICH AM STAGE TRANSMITTERS	21	10	0	1	1	0	0	0	3	0	0	18
K 653	K1-16 DO YOU PERFORM TASKS ON DON'T REMEMBER WHICH AM STAGE TRANSMITTERS	3	0	1	3	1	0	0	2	0	0	0	9
K 654	K1-17 DO YOU USE OR REFER TO AMPLITUDE STABILIZATION IN TRANSMITTERS	15	0	1	0	1	0	0	0	1	0	0	9
K 655	K1-18 DO YOU USE OR REFER TO FREQUENCY STABILIZATION IN TRANSMITTERS	16	10	1	0	1	0	0	0	1	0	0	9
K 656	K1-19 DO YOU USE OR REFER TO SENSITIVITY OF RECEIVERS	23	10	1	0	1	0	0	0	2	0	0	9
K 657	K1-20 DO YOU USE OR REFER TO SELECTIVITY OF RECEIVERS	22	10	1	1	1	0	0	0	0	0	0	0
K 658	K1-21 DO YOU USE OR REFER TO 2ND HARMONIC DISTORTION	14	0	0	0	0	0	0	1	0	0	0	2
K 659	K1-22 DO YOU USE OR REFER TO BANDPASS DISTORTION	16	10	0	0	0	0	0	0	0	0	0	0
K 660	K1-23 DO YOU USE OR REFER TO SQUARE LAW DISTORTION	4	0	0	0	0	0	0	0	0	0	0	0
K 661	K1-24 DO YOU USE OR REFER TO CO-CHANNEL INTERFERENCE	3	0	0	0	0	0	0	0	0	0	0	0
K 662	K1-25 DO YOU USE OR REFER TO IMAGE FREQUENCIES IN RECEIVERS	7	0	0	0	0	0	0	0	0	0	0	0
K 663	K1-26 DO YOU USE OR REFER TO SIGNAL TO IMAGE RATIOS OR IMAGE REJECTION RATIOS	5	0	0	0	0	0	0	0	0	0	0	0
K 664	K1-27 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH AM TRANSMITTER SCHEMATIC DIAGRAMS	18	10	1	0	1	0	0	0	3	0	0	27
K 665	K1-28 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH AM RECEIVER SCHEMATIC DIAGRAMS	22	10	1	0	1	0	0	0	3	0	0	27
K 666	K2-01 DO YOU WORK WITH FM TRANSMIT OR RECEIVE SYSTEMS IN YOUR PRESENT JOB	31	20	3	3	4	0	0	0	17	0	0	52
K 667	K2-02 DO YOU INSPECT FM TRANSMIT OR RECEIVE SYSTEMS	30	20	3	2	4	0	0	0	17	0	0	52
K 668	K2-03 DO YOU CLEAN FM TRANSMIT OR RECEIVE SYSTEMS	30	20	2	0	2	0	0	0	16	0	0	48
K 669	K2-04 DO YOU ALIGN FM TRANSMIT OR RECEIVE SYSTEMS	30	20	2	0	2	0	0	0	17	0	0	52
K 670	K2-05 DO YOU TROUBLESHOOT TO FM TRANSMIT OR RECEIVE SYSTEMS	30	20	3	3	4	0	0	0	17	0	0	52
K 671	K2-06 DO YOU TROUBLESHOOT TO FM TRANSMIT OR RECEIVE SYSTEMS	30	20	2	1	2	0	0	0	11	0	0	36
K 672	K2-07 DO YOU REMOVE OR REPLACE FM TRANSMIT OR RECEIVE SYSTEMS	24	20	2	0	4	0	0	0	17	0	0	52
K 673	K2-08 DO YOU REMOVE OR REPLACE FM TRANSMIT OR RECEIVE SYSTEMS	30	20	2	0	2	0	0	0	10	0	0	36
K 674	K2-09 DO YOU PERFORM TASKS ON AUDIO AMPLIFIERS	26	10	1	0	1	0	0	0	14	0	0	40
K 675	K2-10 DO YOU PERFORM TASKS ON FREQUENCY MULTIPLIERS	25	20	1	0	1	0	0	0	15	0	0	44

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

Task ID	Description	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
K 676	K2-11 DO YOU PERFORM TASKS ON DRIVERS (INTERMEDIATE AMPLIFIERS)	29	20	1	0	1	0	0	11	0	28	45	0						
K 677	K2-12 DO YOU PERFORM TASKS ON POWER AMPLIFIERS	29	20	1	1	1	0	0	12	0	36	36	0						
K 678	K2-13 DO YOU PERFORM TASKS ON RF AMPLIFIERS	28	20	1	1	1	0	0	14	0	40	45	0						
K 679	K2-14 DO YOU PERFORM TASKS ON FREQUENCY CONVERTERS	28	20	1	0	1	0	0	15	0	48	36	0						
K 680	K2-15 DO YOU PERFORM TASKS ON IF AMPLIFIERS	29	20	1	0	1	0	0	13	0	36	45	0						
K 681	K2-16 DO YOU PERFORM TASKS ON LIMITERS	29	20	1	0	1	0	0	13	0	40	36	0						
K 682	K2-17 DO YOU PERFORM TASKS ON FREQUENCY DISCRIMINATORS	28	20	1	0	1	0	0	13	0	36	45	0						
K 683	K2-18 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH SCHEMATIC DIAGRAMS OF FM TRANSMITTERS	25	20	1	0	1	0	0	12	0	36	36	0						
K 684	K2-19 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH SCHEMATIC DIAGRAMS OF FM RECEIVERS	29	20	1	0	1	0	0	14	0	44	36	0						
K 685	K3-01 DO YOU CONVERT DECIMAL (BASE 10) NUMBERS TO OCTAL (BASE 8) NUMBERS	10	40	21	22	10	0	43	26	4	36	82	22						
K 686	K3-02 DO YOU CONVERT DECIMAL NUMBERS TO BINARY (BASE 2) NUMBERS	44	50	18	16	7	6	38	35	4	40	73	44						
K 687	K3-03 DO YOU CONVERT OCTAL NUMBERS TO DECIMAL NUMBERS	9	30	21	20	8	0	47	24	0	32	82	20						
K 688	K3-04 DO YOU CONVERT OCTAL NUMBERS TO BINARY NUMBERS	10	20	16	12	6	0	38	20	0	32	64	15						
K 689	K3-05 DO YOU CONVERT BINARY NUMBERS TO DECIMAL NUMBERS	46	50	19	18	7	6	39	35	4	36	73	46						
K 690	K3-06 DO YOU CONVERT BINARY NUMBERS TO OCTAL NUMBERS	10	30	16	15	5	0	35	23	0	36	64	20						
K 691	K3-07 DO YOU ADD BINARY NUMBERS TO GET A SUM	41	30	13	11	5	6	27	21	4	16	64	24						
K 692	K3-08 DO YOU SUBTRACT BINARY NUMBERS USING THE END-AROUND-CARRY METHOD	30	30	7	1	2	3	17	16	4	16	55	15						
K 693	K3-09 DO YOU SUBTRACT BINARY NUMBERS USING THE DIRECT SUBTRACTION METHOD	31	20	8	1	3	3	19	16	4	16	55	15						
K 694	K3-10 DO YOU ADD OCTAL NUMBERS TO GET A SUM	8	10	14	7	6	3	32	12	0	16	55	7						
L 695	L1-01 IM YOUR PRESENT JOB, DO YOU PERFORM ANY TASKS RELATING TO LOGIC FUNCTIONS	54	50	12	32	2	0	10	55	30	52	55	73						
L 696	L1-02 DO YOU CONSTRUCT TRUTH TABLES FOR AND LOGIC SYMBOLS OR GATES	27	30	2	2	1	0	2	26	15	28	27	34						
L 697	L1-03 DO YOU CONSTRUCT TRUTH TABLES FOR OR LOGIC SYMBOLS OR GATES	27	30	2	2	1	0	3	26	15	28	27	34						
L 698	L1-04 DO YOU CONSTRUCT TRUTH TABLES FOR AND OR OR LOGIC SYMBOLS WITH STATE INDICATORS	24	30	2	2	1	0	1	26	15	28	27	34						
L 699	L1-05 DO YOU CONSTRUCT TRUTH TABLES FOR EXCLUSIVE OR LOGIC SYMBOLS OR GATES	26	30	1	1	1	0	0	25	15	28	27	29						
L 700	L1-06 DO YOU USE OR REFER TO TRUTH TABLES FOR AND LOGIC SYMBOLS OR GATES	42	50	4	7	1	0	4	34	11	28	45	49						
L 701	L1-07 DO YOU USE OR REFER TO TRUTH TABLES FOR OR LOGIC SYMBOLS OR GATES	42	50	4	7	1	0	4	35	11	28	45	51						
L 702	L1-08 DO YOU USE OR REFER TO TRUTH TABLES FOR AND OR OR LOGIC SYMBOLS WITH STATE INDICATORS	42	40	3	5	1	0	4	33	11	24	45	49						
L 703	L1-09 DO YOU USE OR REFER TO TRUTH TABLES FOR EXCLUSIVE OR LOGIC SYMBOLS	42	50	3	3	1	0	3	24	7	24	36	32						
L 704	L1-10 DO YOU USE OR REFER TO LOGIC SYMBOLS FOR AND GATES	50	50	11	31	2	0	8	54	26	56	64	68						
L 705	L1-11 DO YOU USE OR REFER TO LOGIC SYMBOLS FOR OR GATES	50	50	11	31	2	0	9	54	26	56	64	68						
L 706	L1-12 DO YOU USE OR REFER TO LOGIC SYMBOLS FOR NAND OR NOR GATES	50	50	10	25	2	0	8	53	26	56	64	68						

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DY-15A

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	001	026	600	601	602	603	604	605	606	607	608	609						
L 707 L2-13 DO YOU USE OR REFER TO LOGIC SYMBOLS FOR EXCLUSIVE OR GATES	50	50	8	21	2	0	6	48	22	56	64	59						
L 708 L2-01 IN YOUR PRESENT JOB, DO YOU PERFORM ANY TASKS RELATING TO BOOLEAN EQUATIONS, LOGIC DIAGRAMS, OR LOGIC CIRCUITS	39	30	4	8	1	0	1	26	7	16	27	44						
L 709 L2-02 DO YOU DRAW LOGIC SYMBOLS FOR DIRECT COUPLED TRANSISTOR LOGIC (DCTL) CIRCUITS	14	20	0	0	0	0	0	8	7	8	9	10						
L 710 L2-03 DO YOU CONSTRUCT TRUTH TABLES FOR CURRENT MODE LOGIC (CML) CIRCUITS	6	0	0	0	1	0	0	6	0	8	9	7						
L 711 L2-04 DO YOU DRAW LOGIC DIAGRAMS FROM GIVEN BOOLEAN EQUATIONS	13	0	0	0	0	0	0	5	0	4	9	7						
L 712 L2-05 DO YOU MEASURE INPUTS OR OUTPUTS OF LOGIC GATES	38	30	2	5	1	0	0	21	7	12	27	34						
L 713 L2-06 DO YOU DEVELOP OR ANALYZE BOOLEAN EQUATIONS IN THE PROCESS OF TROUBLESHOOTING DIGITAL CIRCUITS	17	0	1	0	1	0	0	8	0	4	9	17						
L 714 L2-07 DO YOU ANALYZE LOGIC CIRCUITS BY USING BOOLEAN ALGEBRA	16	0	1	1	1	0	1	9	0	4	9	20						
L 715 L2-08 DO YOU USE OR REFER TO LOGIC SYMBOLS FOR DIRECT COUPLED TRANSISTOR LOGIC (DCTL) CIRCUIT GATES	26	20	1	0	1	0	0	17	7	20	18	22						
L 716 L2-09 DO YOU USE OR REFER TO TRUTH TABLES FOR CURRENT MODE LOGIC (CML) CIRCUITS	10	0	1	0	1	0	0	9	4	12	9	12						
L 717 L2-10 DO YOU USE OR REFER TO LOGIC DIAGRAMS CONSISTING OF MORE THAN ONE GATE	34	30	4	8	1	0	2	23	7	16	18	37						
L 718 L2-11 DO YOU COMPUTE SUM AND CARRY EXPRESSIONS FOR SERIAL HALF OR FULL ADDER LOGIC DIAGRAMS	13	10	0	0	1	0	0	5	0	0	9	10						
L 719 L2-12 DO YOU TRACE DATA FLOW THROUGH PARALLEL FULL ADDER LOGIC DIAGRAMS	22	10	1	1	1	0	1	11	4	4	18	20						
L 720 L2-13 DO YOU WORK WITH ASTABLE (FREE RUNNING) MULTIVIBRATORS	41	30	1	1	1	0	0	20	7	20	18	29						
L 721 L2-14 DO YOU WORK WITH BISTABLE (FLIP-FLOP) MULTIVIBRATORS	42	30	1	3	1	0	0	22	7	20	18	34						
L 722 L2-15 DO YOU WORK WITH MONOSTABLE (ONE-SHOT) MULTIVIBRATORS	41	30	1	1	1	0	0	22	7	20	18	34						
L 723 L2-16 DO YOU USE OR REFER TO FLIP-FLOP MULTIVIBRATOR SYMBOLS	42	30	2	3	1	0	1	25	7	20	18	41						
L 724 L2-17 DO YOU USE OR REFER TO SINGLE-SHOT MULTIVIBRATOR SYMBOLS	41	30	2	1	1	0	0	24	7	20	18	39						
L 725 L2-18 DO YOU USE OR REFER TO FLIP-FLOP CIRCUIT DIAGRAMS	42	30	2	3	1	0	1	25	7	20	27	39						
L 726 L2-19 DO YOU USE OR REFER TO FLIP-FLOP TRUTH TABLES	32	30	1	1	1	0	1	16	7	12	18	24						
L 727 L2-20 DO YOU USE OR REFER TO COMPLEMENTED FLIP-FLOP LOGIC SYMBOLS	35	20	1	1	1	0	1	16	7	16	18	22						
L 728 L2-21 DO YOU USE OR REFER TO COMPLEMENTING FLIP-FLOP LOGIC SYMBOLS	34	20	1	1	1	0	1	16	7	16	18	22						
L 729 L2-22 DO YOU MEASURE OUTPUT WAVESHAPES OF LOGIC CIRCUITS	35	30	1	0	1	0	0	23	7	20	9	39						
L 730 L2-23 DO YOU TRACE DATA FLOW THROUGH COMPLEMENTED FLIP-FLOP SCHEMATIC DIAGRAMS	33	20	2	1	1	0	2	15	7	15	9	22						
L 731 L2-24 DO YOU TRACE DATA FLOW THROUGH COMPLEMENTING FLIP-FLOP SCHEMATIC DIAGRAMS	33	20	1	1	1	0	2	15	7	16	9	22						
L 732 L2-25 DO YOU CONSTRUCT TRUTH TABLES FOR J-K FLIP-FLOP LOGIC SYMBOLS	13	10	0	0	1	0	0	9	4	12	0	15						

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	001	026	600	601	602	603	604	605	606	607	608	609						
DY-ISM																		
L 733 L3-01 DO YOU WORK WITH DIGITAL COUNTERS IN YOUR PRESENT JOB	49	70	7	1	3	28	13	65	44	68	73	73						
L 734 L3-02 DO YOU USE OR REFER TO UP-COUNTERS	42	50	5	1	2	11	11	47	30	64	36	54						
L 735 L3-03 DO YOU USE OR REFER TO DOWN-COUNTERS	32	50	4	1	2	6	10	41	26	60	27	44						
L 736 L3-04 DO YOU USE OR REFER TO SERIAL COUNTERS	33	60	4	0	1	0	10	36	22	32	18	54						
L 737 L3-05 DO YOU USE OR REFER TO PARALLEL COUNTERS	29	40	4	0	1	0	10	29	22	24	9	44						
L 738 L3-06 DO YOU USE OR REFER TO RING COUNTERS	15	10	1	1	1	0	3	10	7	12	9	12						
L 739 L3-07 DO YOU USE OR REFER TO DECADE COUNTERS	28	70	2	0	1	6	4	33	22	24	18	51						
L 740 L3-08 DO YOU USE OR REFER TO COUNT DETECT CIRCUITS	29	40	3	1	1	8	4	33	15	40	18	44						
L 741 L3-09 DO YOU USE OR REFER TO DOWN CLOCKS	24	40	3	0	1	0	8	31	15	40	27	37						
L 742 L3-10 DO YOU USE OR REFER TO UP CLOCKS	26	40	3	0	1	3	8	30	15	40	27	34						
L 743 L3-11 DO YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF UP-COUNTERS HAVING COMPLETED FLIP-FLOPS	36	20	3	0	1	3	7	26	7	36	27	34						
L 744 L3-12 DO YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF SERIAL UP- OR DOWN-COUNTERS HAVING COMPLEMENTING FLIP-FLOPS	30	20	3	0	1	0	7	25	7	28	18	37						
L 745 L3-13 DO YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF DECADE COUNTERS	25	50	2	0	1	0	4	29	19	28	18	41						
L 746 L3-14 DO YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF RING COUNTERS	13	0	1	0	1	0	3	10	7	12	18	10						
L 747 L3-15 DO YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF SERIAL UP-COUNTERS FEEDING A PARALLEL STORAGE REGISTER	23	40	3	0	1	0	6	23	7	24	9	37						
L 748 L3-16 DO YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF SHIFT REGISTERS	20	30	3	0	2	0	7	34	7	36	27	54						
L 749 L3-17 DO YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF OTHER TYPE OF COUNTERS	30	40	3	0	1	6	5	25	11	40	18	29						
L 750 L3-18 DO YOU COMPUTE THE BINARY COUNT AFTER SPECIFIC INPUT PULSES FOR UP-COUNTERS HAVING COMPLETED FLIP-FLOPS	25	20	1	0	1	3	3	12	4	12	18	17						
L 751 L3-19 DO YOU COMPUTE THE BINARY COUNT AFTER SPECIFIC INPUT PULSES FOR SERIAL UP- OR DOWN-COUNTERS HAVING COMPLEMENTING FLIP-FLOPS	20	20	1	1	1	0	2	12	7	16	9	15						
L 752 L3-20 DO YOU COMPUTE THE BINARY COUNT AFTER SPECIFIC INPUT PULSES FOR SERIAL UP-COUNTERS FEEDING A PARALLEL STORAGE REGISTER	18	20	1	0	1	0	2	13	7	16	9	17						
L 753 L3-21 DO YOU COMPUTE THE BINARY COUNT AFTER SPECIFIC INPUT PULSES FOR OTHER TYPES OF COUNTERS	22	30	1	1	1	3	2	16	11	16	27	22						
L 754 L3-22 DO YOU CONSTRUCT TRUTH TABLES FROM LOGIC DIAGRAMS OF DECADE COUNTERS	6	0	0	0	0	0	0	9	4	12	9	12						
L 755 L3-23 DO YOU DETERMINE THE STATE OF EACH FLIP-FLOP IN RING COUNTERS FOR SPECIFIC INPUT PULSES	14	0	1	1	0	0	1	8	4	12	18	7						
L 756 L3-24 DO YOU DETERMINE THE APPROPRIATE AND GATE NECESSARY IN COUNT DETECT CIRCUITS TO INDICATE A REQUIRED COUNT	24	10	1	0	1	3	2	15	7	16	18	20						
M 757 MI-01 DO YOU WORK WITH SAUTOOTH WAVE GENERATORS	77	40	2	1	1	6	2	34	19	44	45	37						
M 758 MI-02 DO YOU WORK WITH TRAPEZOIDAL WAVE GENERATORS	60	10	1	0	0	0	1	23	11	28	36	24						
M 759 MI-03 DO YOU WORK WITH PULSED OSCILLATORS WITH REGENERATIVE FEEDBACK	60	40	1	0	1	3	1	24	11	32	27	27						
M 760 MI-04 DO YOU WORK WITH PULSED OSCILLATORS WITHOUT REGENERATIVE FEEDBACK	52	30	2	0	1	3	2	25	7	32	27	34						

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

		SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
		001	026	600	601	602	603	604	605	606	607	608	609						
DY-15K																			
M 761	M1-05 DO YOU WORK WITH BLOCKING OSCILLATORS	70	10	1	0	1	1	3	1	20	11	28	27	20					
M 762	M1-06 DO YOU USE OR REFER TO RISE TIME	71	50	2	0	1	0	3	74	56	88	73	78						
M 763	M1-07 DO YOU USE OR REFER TO FALL OR FLYBACK TIME	66	30	2	0	1	0	2	67	91	88	73	71						
M 764	M1-08 DO YOU USE OR REFER TO SWEEP TIME	76	50	3	0	1	0	8	69	48	88	73	71						
M 765	M1-09 DO YOU USE OR REFER TO ELECTRICAL LENGTH OF SAWTOOTH WAVEFORMS	72	30	2	0	0	0	8	2	27	22	36	24						
M 766	M1-10 DO YOU USE OR REFER TO PHYSICAL LENGTH OF SAWTOOTH WAVEFORMS	72	20	1	0	0	0	3	1	32	22	44	24						
M 767	M1-11 DO YOU USE OR REFER TO LINEAR SLOPE OF SAWTOOTH WAVEFORMS	69	30	1	0	0	0	3	0	22	19	40	36	10					
M 768	M1-12 DO YOU USE OR REFER TO GATE LENGTH OF SAWTOOTH WAVEFORMS	62	40	1	0	0	0	3	0	18	11	28	36	12					
M 769	M2-01 DO YOU USE SIGNAL GENERATORS IN YOUR PRESENT JOB	68	90	12	2	19	22	1	85	85	92	82	80						
M 770	M2-02 DO YOU PERFORM OPERATIONAL CHECKS WHILE USING SIGNAL GENERATORS	62	90	11	2	19	17	0	79	81	84	73	76						
M 771	M2-03 DO YOU PERFORM PERIODIC MAINTENANCE SUCH AS ADJUSTING, ALIGNING, OR CALIBRATING WHILE USING SIGNAL GENERATORS	61	80	5	1	8	6	1	58	44	72	64	59						
M 772	M2-04 DO YOU TROUBLESHOOT TO AN ASSEMBLY OR SUBASSEMBLY WHILE USING SIGNAL GENERATORS	58	80	9	2	16	6	1	48	30	68	64	44						
M 773	M2-05 DO YOU TROUBLESHOOT TO THE SMALLEST REPLACEABLE COMPONENT WHILE USING SIGNAL GENERATORS	49	80	3	1	5	0	0	21	19	24	18	22						
M 774	M2-06 DO YOU USE AUDIO SINE-WAVE GENERATORS	43	30	5	0	4	0	0	58	81	88	73	22						
M 775	M2-07 DO YOU USE AUDIO NON-SINUSOIDAL WAVE GENERATORS SUCH AS SQUARE WAVE, TRIANGLE, PULSE, OR SPIKE	36	90	1	0	1	0	0	47	11	92	64	41						
M 776	M2-08 DO YOU USE RF GENERATORS LESS THAN 1,000 MH	42	30	2	0	3	0	0	40	15	68	73	32						
M 777	M2-09 DO YOU USE RF GENERATORS GREATER THAN 1,000 MH	51	30	1	1	2	0	0	40	4	48	55	54						
M 778	M2-10 DO YOU USE OTHER SPECIAL PURPOSE OR MULTI-FUNCTION GENERATORS	35	40	7	1	11	14	0	51	33	72	73	44						
M 779	M3-01 IN YOUR PRESENT JOB, DO YOU PERFORM ANY TASKS DEALING WITH ALTERNATING CURRENT OR DIRECT CURRENT MOTORS OR GENERATORS	91	80	39	44	54	31	0	49	89	36	27	34						
M 780	M3-02 DO YOU INSPECT MOTORS	90	70	32	37	45	25	3	45	85	40	9	32						
M 781	M3-03 DO YOU CLEAN OR LUBRICATE MOTORS	90	60	19	7	35	19	2	39	74	28	9	29						
M 782	M3-04 DO YOU OPERATE MOTORS	85	80	36	37	52	31	7	45	85	36	9	38						
M 783	M3-05 DO YOU REMOVE OR REPLACE COMPLETE MOTORS	90	80	26	1	51	25	2	41	78	32	0	32						
M 784	M3-06 DO YOU REMOVE OR REPLACE MOTOR PARTS	68	40	14	1	29	8	1	21	67	4	0	7						
M 785	M3-07 DO YOU TROUBLESHOOT AS FAR AS CHECKING WIRE CONNECTIONS OF MOTORS	89	70	31	31	46	22	6	42	81	28	18	29						
M 786	M3-08 DO YOU TROUBLESHOOT DOWN TO COMPONENT PARTS OF MOTORS	50	40	18	20	29	8	0	20	67	0	0	7						
M 787	M3-09 DO YOU PERFORM ANY TASKS ON FIELD COILS	34	20	5	0	6	3	0	9	30	4	0	2						
M 788	M3-10 DO YOU PERFORM ANY TASKS ON ARMATURES	39	40	5	1	8	3	0	18	63	4	0	2						
M 789	M3-11 DO YOU PERFORM ANY TASKS ON ROTORS	43	20	4	1	7	3	0	14	48	4	0	2						
M 790	M3-12 DO YOU PERFORM ANY TASKS ON BRUSHES	76	50	13	3	24	3	0	24	89	4	0	0						
M 791	M3-13 DO YOU PERFORM ANY TASKS ON SLIP RINGS	67	10	4	1	7	3	0	8	26	4	0	0						
M 792	M3-14 DO YOU PERFORM ANY TASKS ON COMMUTATORS	54	40	6	1	12	0	0	22	78	4	0	2						
M 793	M3-15 DO YOU PERFORM ANY TASKS ON POLE PIECES	32	10	3	0	4	3	0	8	30	4	0	0						

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

Task Description	001	026	600	601	601	602	603	604	605	606	607	608	609
M 794 M3-16 DO YOU DETERMINE OR MEASURE THE MAGNITUDE OF THE FORCE OR TORQUE CREATED BY A MOTOR	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
M 795 M3-17 DO YOU DETERMINE OR MEASURE THE DIRECTION OF THE MECHANICAL FORCE OR TORQUE CREATED BY A MOTOR	001	026	600	601	601	602	603	604	605	606	607	608	609
M 796 M3-18 DO YOU DETERMINE OR MEASURE THE MAGNITUDE OR DIRECTION OF THE INDUCED VOLTAGE IN MOTORS	11	0	2	0	1	8	1	2	0	4	0	0	2
M 797 M3-19 DO YOU WORK WITH SYNCHRONOUS MOTORS	18	40	2	0	4	3	0	0	0	0	0	0	0
M 798 M3-20 DO YOU WORK WITH INDUCTION MOTORS	16	0	3	0	4	3	0	1	4	4	0	0	0
M 799 M3-21 DO YOU WORK WITH SPLIT-PHASE MOTORS	81	50	7	12	7	17	1	24	41	16	9	22	
M 800 M3-22 DO YOU WORK WITH SOME COMBINATION OF THE ABOVE MOTORS	61	20	11	10	16	6	1	19	37	16	0	15	
M 801 M3-23 DO YOU INSPECT GENERATORS	41	40	12	13	18	6	2	24	48	16	0	20	
M 802 M3-24 DO YOU CLEAN OR LUBRICATE GENERATORS	59	50	20	18	29	17	4	25	48	24	9	15	
M 803 M3-25 DO YOU OPERATE GENERATORS	48	30	29	35	43	25	2	36	89	20	18	17	
M 804 M3-26 DO YOU REMOVE OR REPLACE COMPLETE GENERATORS	50	40	31	37	45	25	4	39	89	28	27	17	
M 805 M3-27 DO YOU REMOVE OR REPLACE GENERATOR PARTS	41	10	20	1	42	17	0	25	85	12	0	2	
M 806 M3-28 DO YOU TROUBLESHOOT AS FAR AS CHECKING WIRE CONNECTIONS OF GENERATORS	34	10	15	0	33	6	0	21	81	0	0	0	
M 807 M3-29 DO YOU TROUBLESHOOT DOWN TO COMPONENT PARTS OF GENERATORS	46	20	25	24	42	19	1	26	85	4	0	10	
M 808 M1-01 DO YOU WORK WITH METERS IN YOUR PRESENT JOB	31	0	21	26	33	8	0	20	74	0	9	0	
M 809 M1-02 DO YOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF PERMANENT MAGNETS	89	80	70	80	68	72	59	75	81	88	64	66	
M 810 M1-03 DO YOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF MOVING COILS	32	40	7	3	7	6	7	20	33	8	18	20	
M 811 M1-04 DO YOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF SPIRAL SPRINGS	36	30	6	4	6	8	7	20	33	8	18	20	
M 812 M1-05 DO YOU READ METER SCALES	36	30	6	4	6	8	7	20	33	8	18	20	
M 813 M1-06 DO YOU EXTEND THE RANGE OF AMMETERS	92	70	72	86	69	69	62	80	93	88	82	68	
M 814 M1-07 DO YOU ZERO OHMMETERS	49	20	28	25	27	19	29	45	59	60	45	29	
M 815 M1-08 DO YOU ZERO VOLTMETERS	93	80	71	82	66	72	63	80	93	88	82	68	
M 816 M1-09 DO YOU EXTEND THE RANGE OF VOLTMETERS	51	20	31	19	38	36	29	51	70	64	29		
M 817 M1-10 DO YOU USE OR REFER TO VOLTMETER SENSITIVITY (EXPRESSED IN UNITS OF OHMS PER VOLT)	68	50	37	41	42	31	23	51	74	40	64	37	
M 818 M2-01 DO YOU WORK WITH SATURABLE REACTORS OR MAGNETIC AMPLIFIERS IN YOUR PRESENT JOB	43	0	1	1	0	6	0	7	19	0	9	0	
M 819 M2-02 DO YOU INSPECT MAGNETIC AMPLIFIERS OR SATURABLE REACTORS	41	0	1	0	0	6	0	5	19	0	0	0	
M 820 M2-03 DO YOU CLEAN MAGNETIC AMPLIFIERS OR SATURABLE REACTORS	38	0	0	0	0	3	0	3	11	0	0	0	
M 821 M2-04 DO YOU ADJUST MAGNETIC AMPLIFIERS OR SATURABLE REACTORS	38	0	0	0	0	3	0	2	7	0	0	0	
M 822 M2-05 DO YOU TROUBLESHOOT MAGNETIC AMPLIFIERS OR SATURABLE REACTORS	41	0	1	1	0	6	0	5	19	0	0	0	
M 823 M2-06 DO YOU REMOVE OR REPLACE MAGNETIC AMPLIFIERS OR SATURABLE REACTORS	41	0	1	0	0	6	0	5	19	0	0	0	
M 824 M2-07 DO YOU REMOVE OR REPLACE MAGNETIC AMPLIFIER OR SATURABLE REACTOR COMPONENTS	32	0	0	0	0	0	0	4	15	0	0	0	

PCI MBRS RESPONDING 'YES' BY DAFSC GROUPS
 TASK GROUP SUMMARY
 PERCENT MEMBERS PERFORMING

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	001	026	600	601	602	603	604	605	606	607	608	609							
N 825 N2-08 DO YOU USE OR REFER TO HYSTERESIS CURVES OR LOADS	11	0	1	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0
N 826 N2-09 DO YOU INTERPRET SCHEMATIC DRAWINGS TO DEVELOP OUTPUT	22	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WAVEFORMS ACROSS REACTOR WINDINGS OR LOAD RESISTORS OF SINGLE WINDING SATURABLE REACTORS																			
N 827 N2-10 DO YOU MEASURE OUTPUT WAVEFORMS ACROSS REACTOR WINDINGS OR LOAD RESISTORS OF SINGLE WINDING SATURABLE REACTORS	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N 828 N2-11 DO YOU INTERPRET SCHEMATIC DRAWINGS TO DEVELOP OUTPUT WAVEFORMS FOR MAGNETIC AMPLIFIERS	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N 829 N2-12 DO YOU USE OR REFER TO COERCIVE FORCE IN SATURABLE REACTORS	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N 830 N2-13 DO YOU USE OR REFER TO RESIDUAL MAGNETISM IN SATURABLE REACTORS	11	0	1	0	0	0	3	0	1	4	0	0	0	0	0	0	0	0	0
N 831 N2-14 DO YOU USE OR REFER TO FLUX DENSITY IN SATURABLE REACTORS	12	0	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0	0	0
N 832 N2-15 DO YOU USE OR REFER TO POINT OF SATURATION IN SATURABLE REACTORS	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
N 833 N2-16 DO YOU USE OR REFER TO SATURABLE REACTOR SCHEMATIC SYMBOLS	30	0	1	0	0	0	3	0	5	15	0	0	0	0	0	0	0	0	0
N 834 N3-01 DO YOU WORK WITH WAVESHAPING CIRCUITS IN YOUR PRESENT JOB	72	60	2	1	1	3	2	42	11	56	73	46							
N 835 N3-02 DO YOU USE OR REFER TO TRANSIENT INTERVALS	42	20	1	0	0	3	1	24	0	32	64	24							
N 836 N3-03 DO YOU USE OR REFER TO PULSE WIDTH (PW)	72	70	1	0	0	3	1	42	7	56	73	49							
N 837 N3-04 DO YOU USE OR REFER TO PULSE RECURRENCE TIME (PRT)	66	50	1	0	0	0	1	33	4	52	73	32							
N 838 N3-05 DO YOU USE OR REFER TO PULSE RECURRENCE FREQUENCY (PRF)	69	50	1	0	0	0	1	34	4	52	73	34							
N 839 N3-06 DO YOU USE OR REFER TO DIFFERENTIATING CIRCUITS	55	40	1	0	0	3	0	18	4	28	36	17							
N 840 N3-07 DO YOU USE OR REFER TO INTEGRATING CIRCUITS	59	40	1	0	0	3	0	25	4	36	45	29							
N 841 N3-08 DO YOU USE OR REFER TO THE CLASSIFICATION OF TIME CONSTANTS (T) AS LONG, MEDIUM, OR SHORT	53	50	1	0	1	0	0	15	4	20	27	17							
N 842 N3-09 DO YOU DETERMINE WHETHER AN LR OR RC CIRCUIT IS DIFFERENTIATING OR INTEGRATING BASED ON THE TIME CONSTANT AND OUTPUT CONFIGURATION	20	0	1	0	0	0	0	5	4	4	0	7							
N 843 N3-10 DO YOU WORK WITH SQUARE WAVE GENERATORS	55	50	1	1	1	0	0	36	7	48	55	44							
N 844 N3-11 DO YOU WORK WITH RECTANGULAR WAVE GENERATORS	40	50	1	0	1	0	0	19	4	28	36	20							
N 845 01-01 DO YOU WORK ON SINGLE SIDEBAND SYSTEMS IN YOUR PRESENT JOB	5	0	3	15	0	0	0	1	0	4	0	0							
N 846 01-02 DO YOU INSPECT SSR TRANSMIT OR RECEIVE SYSTEMS	3	0	3	12	0	0	0	1	0	4	0	0							
N 847 01-03 DO YOU CLEAN SSR TRANSMIT OR RECEIVE SYSTEMS	3	0	0	0	0	0	0	1	0	4	0	0							
N 848 01-04 DO YOU ALIGN SSR TRANSMIT OR RECEIVE SYSTEMS	2	0	0	1	0	0	0	1	0	4	0	0							
N 849 01-05 DO YOU TROUBLESHOOT TO SSR TRANSMIT OR RECEIVE SYSTEMS	3	0	3	12	0	0	0	1	0	4	0	0							
N 850 01-06 DO YOU TROUBLESHOOT TO SSR TRANSMIT OR RECEIVE COMPONENTS	2	0	1	4	0	0	0	1	0	4	0	0							
N 851 01-07 DO YOU REMOVE OR REPLACE SSR TRANSMIT OR RECEIVE SYSTEMS	3	0	0	0	0	0	0	1	0	4	0	0							
N 852 01-08 DO YOU REMOVE OR REPLACE SSR TRANSMIT OR RECEIVE COMPONENTS	2	0	0	0	0	0	0	1	0	4	0	0							

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

Task Description	SPC 001	SPC 026	SPC 600	SPC 601	SPC 602	SPC 603	SPC 604	SPC 605	SPC 606	SPC 607	SPC 608	SPC 609
0 853 01-09 00 YOU PERFORM TASKS ON SSB AUDIO AMPLIFIERS	2	0	0	0	0	0	0	0	0	0	0	0
0 854 01-10 00 YOU PERFORM TASKS ON SSB BALANCED MODULATORS	3	0	0	0	0	0	0	0	0	0	0	0
0 855 01-11 00 YOU PERFORM TASKS ON SSB CARRIER OSCILLATORS	3	0	0	0	0	0	0	0	0	0	0	0
0 856 01-12 00 YOU PERFORM TASKS ON SSB LC FILTERS	3	0	0	0	0	0	0	0	0	0	0	0
0 857 01-13 00 YOU PERFORM TASKS ON SSB CRYSTAL FILTERS	3	0	0	0	0	0	0	0	0	0	0	0
0 858 01-14 00 YOU PERFORM TASKS ON SSB MECHANICAL FILTERS	3	0	0	0	0	0	0	0	0	0	0	0
0 859 01-15 00 YOU PERFORM TASKS ON SSB OSCILLATORS	3	0	0	0	0	0	0	0	0	0	0	0
0 860 01-16 00 YOU PERFORM TASKS ON SSB MIXERS	3	0	0	0	0	0	0	0	0	0	0	0
0 861 01-17 00 YOU PERFORM TASKS ON SSB DRIVERS	3	0	0	0	0	0	0	0	0	0	0	0
0 862 01-18 00 YOU PERFORM TASKS ON SSB POWER AMPLIFIERS	3	0	0	0	0	0	0	0	0	0	0	0
0 863 01-19 00 YOU PERFORM TASKS ON SSB RF AMPLIFIERS	3	0	0	0	0	0	0	0	0	0	0	0
0 864 01-20 00 YOU PERFORM TASKS ON SSB FREQUENCY CONVERTERS	3	0	0	0	0	0	0	0	0	0	0	0
0 865 01-21 00 YOU PERFORM TASKS ON SSB IF AMPLIFIERS	3	0	0	0	0	0	0	0	0	0	0	0
0 866 01-22 00 YOU PERFORM TASKS ON SSB DEMODULATORS	3	0	0	0	0	0	0	0	0	0	0	0
0 867 01-23 00 YOU PERFORM TASKS ON SSB DOWN*1 REMEMBER WHICH SSB	1	0	0	0	0	0	0	0	0	0	0	0
SYSTEM STAGES												
0 868 01-24 00 YOU USE OR REFER TO SELECTIVE FADING	1	0	0	0	0	0	0	0	0	0	0	0
0 869 01-25 00 YOU USE OR REFER TO PEAK POWER	3	0	0	0	0	0	0	0	0	0	0	0
0 870 01-26 00 YOU USE OR REFER TO FREQUENCY STABILITY	3	0	0	0	0	0	0	0	0	0	0	0
0 871 01-27 00 YOU USE OR REFER TO RESPONSE CURVES FOR	2	0	0	0	0	0	0	0	0	0	0	0
BANDWIDTH FILTERS												
0 872 01-28 00 YOU CALCULATE PEAK POWER OR EFFECTIVE POWER OF SSB	1	0	0	0	0	0	0	0	0	0	0	0
TRANSMITTERS												
0 873 01-29 00 YOU TRACE SIGNALS OR CURRENT PATHS THROUGH SSB	3	0	0	0	0	0	0	0	0	0	0	0
0 874 01-30 00 YOU TRACE SIGNALS OR CURRENT PATHS THROUGH SSB	3	0	0	0	0	0	0	0	0	0	0	0
RECEIVER SCHEMATIC DIAGRAMS												
0 875 02-01 00 YOU WORK ON PULSE MODULATION SYSTEMS IN YOUR	48	30	1	0	0	3	1	12	0	24	18	12
PRESENT JOB												
0 876 02-02 00 YOU INSPECT PULSE MODULATION SYSTEMS	50	30	1	0	0	6	0	11	0	20	18	12
0 877 02-03 00 YOU CLEAN PULSE MODULATION SYSTEMS	49	20	1	0	0	3	0	11	0	20	18	12
0 878 02-04 00 YOU ALIGN PULSE MODULATION SYSTEMS	47	30	1	0	0	3	0	9	0	16	18	10
0 879 02-05 00 YOU TROUBLESHOOT TO PULSE MODULATION SYSTEMS	49	30	1	0	0	3	1	11	0	20	18	12
0 880 02-06 00 YOU TROUBLESHOOT TO PULSE MODULATION SYSTEM	47	20	1	0	0	3	0	8	0	8	9	12
COMPONENTS												
0 881 02-07 00 YOU REMOVE OR REPLACE PULSE MODULATION SYSTEMS	41	20	1	0	0	3	1	12	0	24	18	12
0 882 02-08 00 YOU REMOVE OR REPLACE PULSE MODULATION SYSTEM	48	20	1	0	0	3	0	7	0	4	9	12
COMPONENTS												
0 883 02-09 00 YOU WORK ON PULSE-AMPLITUDE MODULATION (PAM)	25	10	0	0	0	0	0	7	0	4	18	10
SYSTEMS												
0 884 02-10 00 YOU WORK ON PULSE-DUPATION MODULATION (PDM)	26	10	1	0	0	3	0	3	0	0	9	5
SYSTEMS												
0 885 02-11 00 YOU WORK ON PULSE-POSITION MODULATION (PPH)	11	10	1	0	0	3	0	4	0	0	9	7
SYSTEMS												
0 886 02-12 00 YOU WORK ON PULSE-CODE MODULATION (PCM) SYSTEMS	4	10	0	0	0	0	0	1	0	0	0	2
0 887 02-13 00 YOU WORK ON LINE PULSING MODULATION SYSTEMS	8	10	1	0	0	3	0	1	0	0	0	2
0 888 02-14 00 YOU WORK ON DOWN*1 REMEMBER WHICH TYPE OF	16	10	0	0	0	0	1	5	0	4	9	7
MODULATION SYSTEM												

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DY-15K

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	001	026	600	601	602	603	604	605	606	607	608	609							
0 916 03-03 DO YOU CLEAN ANTENNAS	69	40	13	0	18	0	15	1	0	4	0	0							
0 917 03-04 DO YOU PHYSICALLY ALIGN ANTENNAS	68	0	5	1	8	0	0	1	0	4	0	0							
0 918 03-05 DO YOU ELECTRICALLY ALIGN ANTENNAS	57	0	4	0	8	0	2	1	0	0	0	0							
0 919 03-06 DO YOU TROUBLESHOOT TO ANTENNAS	64	30	11	13	13	0	7	1	0	4	0	0							
0 920 03-07 DO YOU TROUBLESHOOT TO ANTENNA COMPONENTS	62	0	6	2	10	0	2	0	0	0	0	0							
0 921 03-08 DO YOU REMOVE OR INSTALL ANTENNAS	46	40	10	0	12	0	15	0	0	0	0	0							
0 922 03-09 DO YOU REMOVE OR REPLACE COMPONENTS OF ANTENNAS	59	0	6	0	11	0	3	0	0	0	0	0							
0 923 03-10 DO YOU USE OR REFER TO TECHNICAL DATA CONTAINING REPRESENTATIONS OF E OR ELECTRIC FIELD LINES	17	0	1	0	1	0	0	0	0	0	0	0							
0 924 03-11 DO YOU USE OR REFER TO TECHNICAL DATA CONTAINING REPRESENTATIONS OF H OR MAGNETIC FIELD LINES	17	0	1	0	1	0	0	0	0	0	0	0							
0 925 03-12 DO YOU DETERMINE THE DIRECTION OF THE MAGNETIC LINES IN RELATION TO THE ELECTRIC LINES OF FORCE FOR ANTENNAS	15	0	0	0	0	0	0	0	0	0	0	0							
0 926 03-13 DO YOU USE OR REFER TO THE GENERAL RULE THAT ANTENNAS WHICH ARE OF CORRECT LENGTH (HALF-WAVE) ACT AS INDUCTIVE LOADS TO THE GENERATOR	14	0	0	0	0	0	0	0	0	0	0	0							
0 927 03-14 DO YOU USE OR REFER TO THE GENERAL RULE THAT ANTENNAS WHICH ARE LONGER THAN A HALF-WAVE ACT AS INDUCTIVE LOADS TO THE GENERATOR	12	0	0	0	0	0	0	0	0	0	0	0							
0 928 03-15 DO YOU USE OR REFER TO THE GENERAL RULE THAT ANTENNAS WHICH ARE SHORTER THAN A HALF-WAVE ACT AS CAPACITIVE LOADS TO THE GENERATOR	14	0	0	0	0	0	0	0	0	0	0	0							
0 929 03-16 DO YOU WORK WITH HERTZ ANTENNAS	14	0	3	6	3	0	0	0	0	0	0	0							
0 930 03-17 DO YOU WORK WITH MARCONI ANTENNAS	8	0	0	1	0	0	0	1	0	0	0	0							
0 931 03-18 DO YOU WORK WITH BROADSIDE ARRAYS	6	0	0	0	0	0	0	0	0	0	0	0							
0 932 03-19 DO YOU WORK WITH END-FIRE ARRAYS	3	0	0	0	1	0	0	0	0	0	0	0							
0 933 03-20 DO YOU WORK WITH CARDIOID ARRAYS	4	0	0	0	1	0	0	0	0	0	0	0							
0 934 03-21 DO YOU WORK WITH COLLINER ARRAYS	6	0	1	1	1	0	0	0	0	0	0	0							
0 935 03-22 DO YOU USE OR REFER TO THE TERM ELECTROMAGNETIC INDUCTION FIELDS WHEN WORKING WITH ANTENNAS	13	0	0	0	1	0	0	0	0	0	0	0							
0 936 03-23 DO YOU MEASURE ELECTROMAGNETIC INDUCTION FIELDS OF ANTENNAS	8	0	0	0	1	0	0	0	0	0	0	0							
0 937 03-24 DO YOU USE OR REFER TO THE TERM ELECTROMAGNETIC RADIATION FIELDS WHEN WORKING WITH ANTENNAS	17	0	1	0	1	0	0	0	0	0	0	0							
0 938 03-25 DO YOU MEASURE ELECTROMAGNETIC RADIATION FIELDS OF ANTENNAS	8	0	1	0	1	0	0	0	0	0	0	0							
0 939 03-26 DO YOU USE OR REFER TO THE TIME PHASE OF ELECTRIC (E) AND MAGNETIC (H) COMPONENTS IN ANTENNA RADIATION	12	0	0	0	0	0	0	0	0	0	0	0							
0 940 03-27 DO YOU USE OR REFER TO THE TIME PHASE OF ELECTRIC (E) AND MAGNETIC (H) COMPONENTS IN ANTENNA INDUCTION FIELD	11	0	0	0	0	0	0	0	0	0	0	0							
0 941 03-28 ARE ANY OF THE ANTENNAS YOU WORK ON LINEARLY POLARIZED	19	10	1	0	1	0	0	0	0	0	0	0							
0 942 03-29 ARE ANY OF THE ANTENNAS YOU WORK ON CIRCULARLY POLARIZED	17	0	1	0	2	0	0	0	0	0	0	0							
0 943 03-30 DO YOU MEASURE OR DETERMINE THE POLARITY OF ANTENNAS YOU WORK ON	6	0	0	0	0	0	0	1	0	4	0	0							
0 944 03-31 DO YOU CONSTRUCT, OR MAKE THE CALCULATIONS NECESSARY TO CONSTRUCT, ANTENNAS OF CORRECT LENGTH FOR SPECIFIC WAVELENGTHS	5	0	1	0	2	0	0	0	0	0	0	0							

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

Task Description	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	001	026	600	601	602	603	604	605	606	607	608	609							
01116 Q1-07 DO YOU DETERMINE THE STATE OF EACH FLIP-FLOP OF A SHIFT REGISTER AFTER A SPECIFIED NUMBER OF SHIFT PULSES HAVE PASSED	24	30	5	2	4	0	9	35	0	40	82	44							
01117 Q2-01 DO YOU WORK WITH DIGITAL COUNTERS, REGISTERS, OR STORAGE DEVICES IN YOUR PRESENT JOB	38	60	13	4	13	8	21	40	11	44	82	44							
01118 Q2-02 DO YOU USE OR REFER TO DELAY LINES	20	40	2	0	2	0	3	17	4	12	45	22							
01119 Q2-03 DO YOU USE OR REFER TO MAGNETIC CORES	11	20	9	0	10	0	16	15	0	12	73	12							
01120 Q2-04 DO YOU USE OR REFER TO MAGNETIC DRUMS	10	10	6	4	9	0	2	15	0	24	73	5							
01121 Q2-05 DO YOU USE OR REFER TO MAGNETIC TAPES	12	60	8	1	10	0	8	20	0	32	73	10							
01122 Q2-06 DO YOU USE OR REFER TO ACCESS TIME OR SPEED OR MEMORY SYSTEMS	14	30	8	1	9	6	10	22	0	36	64	17							
01123 Q2-07 DO YOU USE OR REFER TO WORD CAPACITY OF MEMORY SYSTEMS	12	40	9	1	7	0	19	23	0	28	73	20							
01124 Q2-08 DO YOU USE OR REFER TO VOLATILITY OF MEMORY SYSTEMS	8	20	4	0	6	0	5	12	0	20	45	7							
01125 Q2-09 DO YOU USE OR REFER TO LOGIC SYMBOL OF DELAY LINES	15	30	3	0	3	0	5	16	0	12	64	17							
01126 Q3-01 IN YOUR PRESENT JOB, DO YOU WORK WITH DIGITAL-TO-ANALOG (D/A) CONVERTERS, ANALOG-TO-DIGITAL (A/D) CONVERTERS, OR BINARY-TO-DECIMAL READOUT CONVERTERS	26	50	11	1	2	0	33	49	4	56	55	73							
01127 Q3-02 DO YOU COMPUTE OUTPUT VOLTAGES FOR ELECTROMECHANICAL DIGITAL-TO-ANALOG (D/A) CONVERTERS FOR GIVEN INPUT VOLTAGES	5	20	2	0	0	0	5	12	4	8	18	20							
01128 Q3-03 DO YOU USE OR REFER TO THE GENERAL RULE THAT THE COUNT IN ELECTROMECHANICAL DIGITAL-TO-ANALOG (D/A) CONVERTERS IS DETERMINED BY ADDING THE DENOMINATORS OF THE RESISTORS	4	10	1	0	0	0	0	6	0	4	18	12							
01129 Q3-04 DO YOU COMPUTE ANALOG VOLTAGES FOR GIVEN BINARY COUNTS IN ELECTRONIC DIGITAL-TO-ANALOG (D/A) CONVERTERS	5	20	1	0	1	0	1	9	4	8	18	12							
01130 Q3-05 DO YOU PERFORM SAMPLE FUNCTION TASKS ON VARIABLE TIME ANALOG-TO-DIGITAL (A/D) CONVERTER CIRCUITS	8	20	1	0	0	0	2	17	0	8	27	32							
01131 Q3-06 DO YOU PERFORM HOLD FUNCTION TASKS ON VARIABLE TIME ANALOG-TO-DIGITAL (A/D) CONVERTER CIRCUITS	6	20	1	0	0	0	2	13	0	8	18	24							
01132 Q3-07 DO YOU PERFORM COMPARE FUNCTION TASKS ON VARIABLE TIME ANALOG-TO-DIGITAL (A/D) CONVERTER CIRCUITS	6	20	2	0	1	0	3	22	0	20	18	39							
01131 Q3-08 DO YOU PERFORM DIGITIZE FUNCTION TASKS ON VARIABLE TIME ANALOG-TO-DIGITAL (A/D) CONVERTER CIRCUITS	6	20	1	0	0	0	2	18	0	4	27	37							
01134 Q3-09 DO YOU PERFORM DOWN-TIME REMEMBER WHICH FUNCTION TASKS ON VARIABLE TIME ANALOG-TO-DIGITAL (A/D) CONVERTER CIRCUITS	5	0	2	0	1	0	7	13	4	24	0	15							
01135 Q3-10 DO YOU USE OR REFER TO SAMPLE FUNCTION OF A/D CONVERTERS	8	20	2	0	0	0	4	21	0	12	27	39							
01136 Q3-11 DO YOU USE OR REFER TO HOLD FUNCTION OF A/D CONVERTERS	7	20	2	0	0	0	3	16	0	12	18	29							
01137 Q3-12 DO YOU USE OR REFER TO COMPARE FUNCTION OF A/D CONVERTERS	7	20	2	0	0	0	6	24	0	24	18	41							
01138 Q3-13 DO YOU USE OR REFER TO DIGITAL FUNCTION OF A/D CONVERTERS	8	20	2	0	1	0	5	23	0	12	27	44							
01139 Q3-14 DO YOU PERFORM ANY TASKS ON MECHANICAL ANALOG-TO-DIGITAL (A/D) CONVERTERS	6	20	2	0	0	0	5	15	0	16	27	22							

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	001	026	600	601	602	603	604	605	606	607	608	609						
DI-TSM																		
R1140 R1-01 DO YOU WORK WITH PHANTASTRON CIRCUITRY IN YOUR PRESENT JOB	48	0	0	1	0	0	0	0	1	4	0	0						
R1141 R2-01 IN YOUR PRESENT JOB DO YOU WORK WITH SCHMITT TRIGGER CIRCUITS	52	40	5	12	3	0	0	30	15	28	64	32						
R1142 R2-02 DO YOU TRACE DATA FLOW THROUGH SCHMITT TRIGGER SCHEMATIC DIAGRAMS	46	40	4	11	1	0	0	26	15	24	64	24						
R1143 R2-03 DO YOU USE OR REFER TO SCHMITT TRIGGER LOGIC SYMBOLS	31	40	4	11	2	0	0	27	15	24	73	27						
R1144 R3-01 IN YOUR PRESENT JOB DO YOU FABRICATE MULTICONDUCTOR CABLES	41	70	5	0	2	11	8	50	63	36	55	51						
R1145 R3-02 DO YOU FABRICATE COAXIAL CABLES	43	70	5	0	4	6	6	70	63	88	73	63						
R1146 S1-01 IN YOUR PRESENT JOB DO YOU PERFORM ANY TASKS ON VISUAL READOUT SYSTEMS	59	60	29	31	18	31	41	62	48	64	64	71						
R1147 S1-02 DO YOU PERFORM ANY TASKS ON NIXIE LIGHTS OR NIXIE LIGHT DECODER SYSTEMS	14	50	7	6	1	31	9	38	15	64	9	44						
R1148 S1-03 DO YOU ANALYZE NIXIE LIGHT DECODER SYSTEMS USING BOOLEAN ALGEBRA	3	10	2	0	0	0	3	6	0	4	0	12						
S1149 S2-01 DO YOU WORK WITH PHOTO TUBES IN YOUR PRESENT JOB	76	40	5	15	1	0	2	12	4	8	9	20						
S1150 S3-01 IN YOUR PRESENT JOB DO YOU WORK WITH CHOPPER CIRCUITS	20	0	1	0	1	6	0	3	0	0	0	5						
S1151 S3-02 DO YOU MEASURE EXCITATION FREQUENCIES	4	0	0	0	0	3	0	2	0	0	0	5						
S1152 S3-03 DO YOU MEASURE VOLTAGE-CURRENT PHASE RELATIONSHIPS	5	0	1	0	0	6	0	2	0	0	0	5						
S1153 S3-04 DO YOU USE OR REFER TO EXCITATION FREQUENCIES	4	0	1	1	0	3	0	2	0	0	0	5						
S1154 S3-05 DO YOU USE OR REFER TO VOLTAGE-CURRENT PHASE RELATIONSHIPS	7	0	1	1	1	3	0	2	0	0	0	5						
S1155 S3-06 DO YOU USE SERVOS IN CONJUNCTION WITH CHOPPER CIRCUIT OPERATION	7	0	1	1	1	3	0	1	0	0	0	2						
S1156 S3-07 DO YOU USE DETECTORS IN CONJUNCTION WITH CHOPPER CIRCUIT OPERATION	8	0	1	1	0	6	0	2	0	0	0	2						
S1157 S3-08 DO YOU USE ERROR SIGNAL DEVICES IN CONJUNCTION WITH CHOPPER CIRCUIT OPERATION	14	0	1	1	0	3	0	1	0	0	0	2						
S1158 S3-09 DO YOU USE COMPARISON CIRCUITS IN CONJUNCTION WITH CHOPPER CIRCUIT OPERATION	10	0	1	1	0	3	0	2	0	0	0	2						
T1159 T1-01 DOES YOUR PRESENT JOB INVOLVE ANY TASKS DEALING WITH INFRARED SYSTEMS	23	10	0	0	0	0	0	9	37	0	0	0						
T1160 T1-02 DO YOU INSPECT INFRARED SYSTEMS	21	10	0	0	0	0	0	9	37	0	0	0						
T1161 T1-03 DO YOU CLEAN INFRARED SYSTEMS	23	10	0	0	0	0	0	9	37	0	0	0						
T1162 T1-04 DO YOU ADJUST OR CALIBRATE INFRARED SYSTEMS	21	10	0	0	0	0	0	9	37	0	0	0						
T1163 T1-05 DO YOU OPERATE INFRARED SYSTEMS	21	10	0	0	0	0	0	9	37	0	0	0						
T1164 T1-06 DO YOU TROUBLESHOOT WIRE CONNECTIONS OF INFRARED SYSTEMS	16	10	0	0	0	0	0	9	37	0	0	0						
T1165 T1-07 DO YOU TROUBLESHOOT MAJOR ASSEMBLIES OF INFRARED SYSTEMS	16	10	0	0	0	0	0	9	37	0	0	0						
T1166 T1-08 DO YOU TROUBLESHOOT DOWN TO INFRARED SYSTEM COMPONENT PARTS	15	10	0	0	0	0	0	9	37	0	0	0						
T1167 T1-09 DO YOU REMOVE OR REPLACE MAJOR ASSEMBLIES OF INFRARED SYSTEMS	18	10	0	0	0	0	0	8	33	0	0	0						
T1168 T1-10 DO YOU REMOVE OR REPLACE INFRARED SYSTEM COMPONENT PARTS	16	10	0	0	0	0	0	8	33	0	0	0						

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DY-1SK

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	001	026	600	601	602	603	604	605	606	607	608	609			
11210 12-25 DO YOU WORK WITH HALF SILVERED (92% REFLECTIVE) MIRRORS	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0
11211 12-26 DO YOU WORK WITH HELICAL FLASHTUBES	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0
11212 12-27 DO YOU WORK WITH RUBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11213 12-28 DO YOU WORK WITH HELIUM-NEON	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0
11214 12-29 DO YOU WORK WITH HELIUM-XENON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11215 12-30 DO YOU WORK WITH XENON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11216 12-31 DO YOU WORK WITH CESIUM-HELIUM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11217 12-32 DO YOU WORK WITH ARGON	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11218 12-33 DO YOU WORK WITH NODYMIUM IN GLASS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11219 12-34 DO YOU WORK WITH GALLIUM ARSENIDE	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0
11220 13-01 IM YOUR PRESENT JOB DO YOU WORK WITH DISPLAY TUBES, SUCH AS DIRECT VIEW STORAGE (DVST) OR MULTIPLE MODE STORAGE TUBES (MMST)	9	10	1	1	0	0	0	0	0	0	1	1	0	0	0
11221 13-02 DO YOU INSPECT DVST OR MMST	6	10	0	0	0	0	0	0	0	0	0	0	0	0	0
11222 13-03 DO YOU CLEAN DVST OR MMST	7	10	0	0	0	0	0	0	0	0	0	0	0	0	0
11223 13-04 DO YOU ADJUST OR CALIBRATE DVST OR MMST	6	10	0	0	0	0	0	0	0	0	0	0	0	0	0
11224 13-05 DO YOU OPERATE SYSTEMS THAT CONTAIN DVST OR MMST	8	10	0	1	0	0	1	1	1	1	0	0	0	0	0
11225 13-06 DO YOU TROUBLESHOOT DVST OR MMST CIRCUITS	8	10	0	1	0	0	0	0	0	0	0	0	0	0	0
11226 13-07 DO YOU REMOVE OR REPLACE DVST OR MMST TUBES FROM MAJOR ASSEMBLIES OR UNITS	8	10	0	0	0	0	0	0	0	0	0	0	0	0	0
11227 13-08 DO YOU PERFORM TASKS THAT MAKE IT NECESSARY TO NAME THE VARIOUS ELEMENTS OF DVST	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11228 13-09 DO YOU PERFORM TASKS THAT MAKE IT NECESSARY TO NAME THE VARIOUS ELEMENTS OF MMST	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11229 13-10 DO YOU PERFORM TASKS ON FLOOD GUNS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11230 13-11 DO YOU PERFORM TASKS ON WRITE GUNS	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11231 13-12 DO YOU PERFORM TASKS ON ATTACK GUNS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11232 13-13 DO YOU PERFORM TASKS ON ERASE GUNS	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11233 13-14 DO YOU PERFORM TASKS ON STORAGE GRIDS	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11234 13-15 IM YOUR PRESENT JOB, DO YOU PERFORM ANY PROGRAMMING TASKS	7	20	29	18	23	22	51	42	0	24	55	76			
11235 13-02 DO YOU USE OR REFER TO DECIMAL SYSTEMS	5	30	10	5	7	6	21	25	0	12	45	49			
11236 13-03 DO YOU USE OR REFER TO PROGRAMS	3	30	18	8	15	11	33	36	0	28	45	66			
11237 13-04 DO YOU USE OR REFER TO HEXIDECIMAL SYSTEMS	1	30	0	0	0	0	1	7	0	8	9	10			
11238 13-05 DO YOU USE OR REFER TO 8-4-2-1 SYSTEMS	3	20	9	3	13	0	7	28	0	24	36	46			
11239 13-06 DO YOU USE OR REFER TO FOUR SYSTEMS	1	10	1	1	1	0	1	5	0	0	7	7			
11240 13-07 DO YOU USE OR REFER TO BINARY SYSTEMS	7	20	15	10	9	3	29	31	0	20	45	54			
11241 13-08 DO YOU USE OR REFER TO TIME-SHARING	1	20	5	0	9	6	3	6	0	8	9	7			
11242 13-09 DO YOU USE OR REFER TO DATA WORDS	3	20	22	1	20	0	45	29	0	16	55	49			
11243 13-10 DO YOU USE OR REFER TO ADDRESS WORDS	2	30	21	2	18	0	47	36	0	20	55	63			
11244 13-11 DO YOU USE OR REFER TO ADDRESS/SUBADDRESS	2	30	14	1	10	0	33	41	0	20	55	76			
11245 13-12 DO YOU USE OR REFER TO STEERING/INFORMATION	2	20	14	7	6	14	34	38	0	12	36	78			
11246 13-13 DO YOU USE OR REFER TO INFORMATION WORDS	3	20	17	2	13	0	38	29	0	16	55	46			
11247 13-14 DO YOU PERFORM TASKS ON SINGLE LEVEL PROGRAMMING	3	30	9	5	8	8	13	29	0	29	45	49			
11248 13-15 DO YOU PERFORM TASKS ON MULTI-LEVEL PROGRAMMING	1	0	6	2	5	0	12	16	0	4	27	29			

PCT MBRS RESPONDING 'YES' BY DAESC GROUPS

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AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DY-TSK

Task ID	Description	SPC 001	SPC 026	SPC 600	SPC 601	SPC 602	SPC 603	SPC 604	SPC 605	SPC 606	SPC 607	SPC 608	SPC 609
U1249	U1-16 DO YOU PERFORM TASKS ON INPUT DEVICES	6	30	12	8	10	3	20	23	0	16	55	34
U1250	U1-17 DO YOU PERFORM TASKS ON STORAGE DEVICES	5	30	12	5	10	3	20	21	0	16	55	29
U1251	U1-18 DO YOU PERFORM TASKS ON ARITHMETIC SECTIONS	5	0	8	4	4	0	17	14	0	12	55	15
U1252	U1-19 DO YOU PERFORM TASKS ON CONTROL SECTIONS	9	30	10	6	9	0	16	25	0	20	55	34
U1253	U1-20 DO YOU PERFORM TASKS ON OUTPUT DEVICES	10	30	10	6	8	0	16	24	0	16	55	34
U1254	U1-21 DO YOU PERFORM TASKS ON POWER SUPPLIES	10	30	10	6	9	0	15	29	0	20	55	46
U1255	U2-01 DO YOU USE DECIBELS TO EXPRESS AMPLIFICATION AND ATTENUATION	68	30	10	4	3	3	3	50	15	64	73	59
U1256	U2-02 DO YOU USE LOGARITHMS TO COMPUTE OUTPUT POWER IN DECIBELS	25	0	1	0	1	0	0	8	4	4	0	15
U1257	U2-03 DO YOU USE LOGARITHMS TO COMPUTE ATTENUATION IN DECIBELS	27	0	1	0	1	0	0	7	4	4	0	12
U1258	U2-04 DUMMY TASK TO IDENTIFY INCUMBENTS WHO PERFORMED NO TASKS	1	0	6	1	10	3	3	2	4	0	0	2

PCI MBRS RESPONDING 'YES' BY DAFSC GROUPS

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AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

TABULATION OF PERCENT MEMBERS RESPONDING 'YES' TO
QUESTIONS BY DAFSC GROUPS

REPORTS ON THE FOLLOWING GROUPS WERE REQUESTED

GROUP IDENTITY =	SPC610	ALL AIRMEN DAFSC	32550	CONTAINING	212 MEMBERS.
GROUP IDENTITY =	SPC611	ALL AIRMEN DAFSC	32551	CONTAINING	304 MEMBERS.
GROUP IDENTITY =	SPC612	ALL AIRMEN DAFSC	341513	CONTAINING	123 MEMBERS.
GROUP IDENTITY =	SPC613	ALL AIRMEN DAFSC	34152	CONTAINING	48 MEMBERS.
GROUP IDENTITY =	SPC614	ALL AIRMEN DAFSC	34153	CONTAINING	202 MEMBERS.
GROUP IDENTITY =	SPC615	ALL AIRMEN DAFSC	34154	CONTAINING	119 MEMBERS.
GROUP IDENTITY =	SPC616	ALL AIRMEN DAFSC	34155	CONTAINING	76 MEMBERS.
GROUP IDENTITY =	SPC617	ALL AIRMEN DAFSC	34156	CONTAINING	105 MEMBERS.
GROUP IDENTITY =	SPC618	ALL AIRMEN DAFSC	42350	CONTAINING	346 MEMBERS.

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DY-1SK

Task Description	SPC 610	SPC 611	SPC 612	SPC 613	SPC 614	SPC 615	SPC 616	SPC 617	SPC 618
1 A1-01 IN YOUR PRESENT JOB, DO YOU USE INSTRUMENTS, SUCH AS METERS OR OSCILLOSCOPES, IN WHICH IT IS NECESSARY TO AMPLIFY OR ATTENUATE VOLTAGE, RESISTANCE, ETC., BY POWERS OF 10.	70	73	44	92	93	92	90	94	79
2 A1-02 DO YOU USE PUBLICATIONS, SUCH AS A TECHNICAL ORDERS OR MAINTENANCE MANUALS, IN WHICH IT IS NECESSARY FOR YOU TO MULTIPLY OR DIVIDE BY A POWER OF 10 BEFORE YOU CAN APPLY THE INFORMATION FROM THE PUBLICATION IN A USEFUL WAY ON THE JOB.	33	43	29	60	51	53	56	55	39
3 A1-03 DO YOU REARRANGE AND SOLVE FORMULAS OR EQUATIONS.	36	33	37	52	62	57	58	63	18
4 A1-04 DO YOU CALCULATE THE SQUARE ROOT OF A QUANTITY.	9	7	16	13	31	39	37	37	8
5 A1-05 DO YOU SOLVE FOR UNKNOWN QUANTITIES.	23	31	31	40	63	45	53	46	16
6 A1-06 DO YOU CONVERT NUMBERS TO LOGARITHMS.	5	4	4	8	9	11	12	23	4
7 A1-07 DO YOU USE LOGARITHM TABLES IN ANY TYPE OF CALCULATIONS.	8	4	5	8	8	14	14	27	4
8 A1-08 DO YOU SOLVE QUADRATIC EQUATIONS.	5	6	7	13	21	22	12	25	6
9 A1-09 DO YOU USE THE NATURAL SYSTEM OF LOGARITHMS.	2	3	2	6	4	4	4	19	3
10 A1-10 DO YOU PERFORM CALCULATIONS ON VECTOR QUANTITIES.	8	7	18	29	43	37	45	46	9
11 A1-11 DO YOU WORK WITH TRIGONOMETRIC FUNCTIONS SUCH AS SINE, COSINE, OR TANGENT.	47	9	33	19	67	61	81	72	10
12 A1-12 DO YOU DETERMINE AREAS OF PLANE FIGURES.	6	5	7	4	11	17	24	27	5
13 A1-13 DO YOU SOLVE OR USE SIMULTANEOUS EQUATIONS.	3	9	6	8	21	19	14	27	6
14 A1-14 DO YOU SOLVE OR USE PROPORTIONS.	8	18	20	25	61	40	47	45	9
15 A2-01 DO YOU USE THE TERM VOLTAGE OR VOLT (V).	97	96	55	98	100	98	99	99	97
16 A2-02 DO YOU USE THE TERM ELECTROMOTIVE FORCE (EMF).	21	32	30	50	61	52	55	58	60
17 A2-03 DO YOU USE THE TERM OHM.	98	96	54	98	99	98	99	97	97
18 A2-04 DO YOU USE THE TERM ION.	2	8	6	21	16	21	19	29	23
19 A2-05 DO YOU USE THE TERM DYNE.	5	5	4	21	16	18	19	19	13
20 A2-06 DO YOU USE THE TERM AMPERE.	91	89	54	96	97	94	96	91	91
21 A2-07 DO YOU USE THE TERM NEUTRON.	7	9	9	19	13	24	18	24	28
22 A2-08 DO YOU USE THE TERM COULOMB.	6	8	13	27	27	24	29	31	12
23 A2-09 DO YOU USE THE TERM PROTON.	6	9	10	19	13	22	19	23	28
24 A3-01 DO YOU WORK WITH RESISTORS IN YOUR PRESENT JOB.	83	69	47	85	94	87	96	88	80
25 A3-02 DO YOU INSPECT RESISTORS.	62	68	53	96	100	89	94	90	79
26 A3-03 DO YOU CLEAN RESISTORS.	62	44	47	83	93	75	82	72	54
27 A3-04 DO YOU ADJUST RESISTORS.	83	63	52	94	98	94	96	90	58
28 A3-05 DO YOU CHECK OHMIC VALUE OR RESISTORS.	88	72	53	96	100	95	97	94	83
29 A3-06 DO YOU REMOVE OR REPLACE RESISTORS.	82	60	53	96	100	97	97	95	84
30 A3-07 DO YOU USE OR REFER TO TEMPERATURE COEFFICIENTS FOR RESISTORS ON ANY TASKS YOU PERFORM.	9	26	15	35	32	34	32	41	36
31 A3-08 DO YOU USE OR REFER TO RESISTOR SYMBOLS SUCH AS FIXED RESISTOR SYMBOLS OR TAPPED RESISTOR SYMBOLS.	80	64	53	98	99	97	96	95	73
32 A3-09 DO YOU IDENTIFY OR CLASSIFY THE RESISTORS YOU WORK WITH AS CARBON, FIXED WIRE, SLIDE TAP, RHEOSTAT, OR POTENTIOMETER.	71	63	51	98	98	96	96	90	75
33 A3-10 DO YOU USE RESISTOR COLOR CODES WHICH INDICATE OHMIC VALUE OF RESISTANCE.	75	52	51	98	98	96	96	94	46

PCI MBRS RESPONDING 'YES' BY DAFSC GROUPS
 TASK GROUP SUMMARY
 PERCENT MEMBERS PERFORMING

GP60DB PAGE 4A

AF HUMAN RESOURCES LABORATORY
 AIR FORCE SYSTEMS COMMAND

DY-15M

Task ID	Description	SPC 610	SPC 611	SPC 612	SPC 613	SPC 614	SPC 615	SPC 616	SPC 617	SPC 618
A 34	A3-11 DO YOU USE RESISTOR COLOR CODES WHICH INDICATE TOLERANCE.	64	43	49	98	95	92	88	92	34
A 35	A3-12 DO YOU USE RESISTOR COLOR CODES WHICH INDICATE FAILURE RATE.	15	15	14	21	28	30	26	31	18
A 36	A3-13 DO YOU MAKE DECISIONS IN WHICH YOU MUST DETERMINE HOW TWO OR MORE BATTERIES MUST BE CONNECTED TOGETHER TO ACHIEVE A SPECIFIC VOLTAGE.	16	23	14	33	26	29	28	43	55
A 37	A3-14 DO YOU USE OR REFER TO THE SCHEMATIC SYMBOLS WHICH REPRESENT BATTERIES, FUSES, CONDUCTORS, LAMPS, OR SWITCHES	87	77	53	98	99	97	97	96	86
A 38	A3-15 DO YOU CALCULATE TOTAL RESISTANCE FOR SERIES RESISTIVE CIRCUITS.	24	36	37	65	81	67	78	72	47
A 39	A3-16 DO YOU CALCULATE TOTAL CURRENT FOR SERIES RESISTIVE CIRCUITS.	18	29	31	65	74	62	65	70	45
A 40	A3-17 DO YOU CALCULATE INDIVIDUAL VOLTAGE DROPS FOR SERIES RESISTIVE CIRCUITS.	20	32	39	69	82	68	72	78	47
A 41	A3-18 DO YOU CALCULATE POWER DISSIPATION FOR SERIES RESISTIVE CIRCUITS.	13	24	25	56	50	50	49	58	37
A 42	A3-19 DO YOU CALCULATE TOTAL RESISTANCE FOR SERIES PARALLEL RESISTIVE CIRCUITS.	21	32	38	67	80	64	74	72	43
A 43	A3-20 DO YOU CALCULATE TOTAL CURRENT FOR SERIES PARALLEL RESISTIVE CIRCUITS.	17	28	32	67	73	61	65	70	43
A 44	A3-21 DO YOU CALCULATE INDIVIDUAL VOLTAGE DROPS FOR SERIES PARALLEL RESISTIVE CIRCUITS.	19	28	38	69	79	63	72	73	43
A 45	A3-22 DO YOU CALCULATE INDIVIDUAL BRANCH CURRENTS FOR SERIES PARALLEL RESISTIVE CIRCUITS.	15	26	31	65	71	54	63	65	36
A 46	A3-23 DO YOU CALCULATE POWER DISSIPATION FOR SERIES PARALLEL RESISTIVE CIRCUITS.	13	21	24	54	51	49	46	59	33
A 47	A3-24 DO YOU CALCULATE TOTAL RESISTANCE FOR PARALLEL RESISTIVE CIRCUITS.	19	33	37	67	79	66	74	67	42
A 48	A3-25 DO YOU CALCULATE TOTAL CURRENT FOR PARALLEL RESISTIVE CIRCUITS.	17	27	31	67	71	60	65	66	42
A 49	A3-26 DO YOU CALCULATE INDIVIDUAL VOLTAGE DROPS FOR PARALLEL RESISTIVE CIRCUITS.	17	28	34	69	76	64	71	69	42
A 50	A3-27 DO YOU CALCULATE INDIVIDUAL BRANCH CURRENTS FOR PARALLEL RESISTIVE CIRCUITS.	14	26	30	60	69	55	60	62	35
A 51	A3-28 DO YOU CALCULATE POWER DISSIPATION FOR PARALLEL RESISTIVE CIRCUITS.	12	21	23	52	50	49	47	56	32
B 52	B1-01 DO YOU MEASURE RESISTANCE.	95	97	52	98	100	98	96	98	99
B 53	B1-02 DO YOU REPAIR OHMMETERS.	9	10	4	6	8	8	6	15	26
B 54	B1-03 DO YOU MEASURE VOLTAGE.	97	98	52	96	99	98	99	99	98
B 55	B1-04 DO YOU REPAIR VOLTMETERS.	8	7	2	6	7	6	5	10	21
B 56	B1-05 DO YOU REPAIR AMMETERS.	4	6	2	6	6	6	4	11	16
B 57	B1-06 DO YOU MEASURE CURRENT.	75	74	43	88	84	91	83	93	91
B 58	B1-07 DO YOU USE MULTIMETERS.	97	98	53	96	99	98	97	96	98
B 59	B1-08 DO YOU DIRECTLY USE A QUANTITY OF CHARGE CALLED A COULOMB.	0	6	3	17	9	9	8	6	8
A 60	B1-09 DO YOU READ SCHEMATICS.	97	98	53	98	100	98	99	98	98

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

Task Description	SPC 610	SPC 611	SPC 612	SPC 613	SPC 614	SPC 615	SPC 616	SPC 617	SPC 618
C 121 C1-30 DO YOU WORK WITH ROTOR-STATOR (VARIABLE) CAPACITORS	17	22	20	20	75	30	46	67	44
C 122 C1-31 DO YOU WORK WITH COMPRESSION (TRIMMER) CAPACITORS	8	10	23	52	31	46	58	44	12
C 123 C1-32 DO YOU WORK WITH ELECTROLYTIC (FIXED) CAPACITORS	59	43	49	96	95	88	90	93	36
C 124 C1-33 DO YOU WORK WITH PAPER (FIXED) CAPACITORS	53	31	46	92	86	86	88	81	25
C 125 C1-34 DO YOU WORK WITH MICA (FIXED) CAPACITORS	48	33	48	88	86	86	87	90	85
C 126 C1-35 DO YOU WORK WITH CERAMIC (FIXED) CAPACITORS	54	30	48	90	85	90	92	85	31
C 127 C1-36 DO YOU WORK WITH DON'T REMEMBER WHICH TYPE OF CAPACITORS	22	28	9	8	21	19	6	13	29
C 128 C2-01 DO YOU WORK WITH TRANSFORMERS IN YOUR PRESENT JOB	65	44	40	90	88	88	85	90	80
C 129 C2-02 DO YOU INSPECT TRANSFORMERS	65	43	42	94	91	74	83	77	85
C 130 C2-03 DO YOU CLEAN TRANSFORMERS	45	22	28	73	63	47	56	54	60
C 131 C2-04 DO YOU ADJUST TRANSFORMERS	22	12	19	73	41	39	42	44	35
C 132 C2-05 DO YOU TROUBLESHOOT TRANSFORMERS	56	38	40	83	83	73	77	77	86
C 133 C2-06 DO YOU REMOVE OR REPLACE COMPLETE TRANSFORMERS	64	37	39	94	93	89	90	87	91
C 134 C2-07 DO YOU REMOVE OR REPLACE TRANSFORMER PARTS, SUCH AS THE PRIMARY WINDING	4	2	7	19	6	9	6	11	12
C 135 C2-08 DO YOU MAKE A DISTINCTION BETWEEN MUTUAL INDUCTION AND MUTUAL INDUCTANCE (M)	2	2	5	8	8	8	8	9	11
C 136 C2-09 DO YOU USE THE SYMBOL FOR MUTUAL INDUCTANCE, M	2	3	7	10	11	8	8	10	7
C 137 C2-10 DO YOU REFER TO OR USE THE COEFFICIENT OF COUPLING WHEN WORKING WITH TRANSFORMERS	2	3	7	19	21	15	18	19	9
C 138 C2-11 DO YOU CALCULATE TURNS RATIOS FOR TRANSFORMERS USING CURRENT OR VOLTAGE RATIOS	4	6	11	19	30	22	27	20	10
C 139 C2-12 DO YOU REFER TO REFLECTED IMPEDANCE WHEN WORKING WITH TRANSFORMERS	4	4	5	10	13	8	18	13	10
C 140 C2-13 DO YOU CALCULATE IMPEDANCE INTERACTIONS FOR TRANSFORMERS	2	2	4	10	10	8	12	11	6
C 141 C2-14 DO YOU WORK WITH AUTOTRANSFORMERS	15	17	21	27	50	39	45	36	73
C 142 C2-15 DO YOU WORK WITH POWER TRANSFORMERS	61	38	39	83	86	81	81	83	78
C 143 C2-16 DO YOU WORK WITH AUDIO TRANSFORMERS	8	8	32	65	64	67	59	61	9
C 144 C2-17 DO YOU WORK WITH RADIO FREQUENCY TRANSFORMERS	7	5	7	65	25	31	35	38	3
C 145 C2-18 DO YOU WORK WITH DON'T REMEMBER WHAT TYPE OF TRANSFORMERS	17	17	7	13	24	23	14	10	23
C 146 C2-19 DO YOU CHECK TRANSFORMERS FOR OPEN WINDINGS BY MEASURING RESISTANCE	55	35	37	85	88	79	86	78	75
C 147 C2-20 DO YOU CHECK TRANSFORMERS FOR SHORTED WINDINGS BY MEASURING RESISTANCE	52	32	37	81	83	72	78	72	71
C 148 C2-21 DO YOU CHECK TRANSFORMERS FOR SHORTED WINDINGS BY MEASURING OUTPUT VOLTAGES	49	32	36	75	70	62	76	61	65
C 149 C2-22 DO YOU MEASURE RESISTANCE OF TRANSFORMER WINDINGS TO DETERMINE WHETHER A TRANSFORMER HAS A STEP-UP OR STEP-DOWN TURNS RATIO	10	11	22	44	43	29	38	40	33
C 150 C2-23 DO YOU MEASURE OUTPUT VOLTAGE OF TRANSFORMERS TO DETERMINE WHETHER A TRANSFORMER HAS A STEP-UP OR STEP-DOWN TURNS RATIO	15	15	23	67	57	46	54	51	53
C 151 C2-24 DO YOU REFER TO BASIC TRANSFORMER SCHEMATIC SYMBOLS FOR TRANSFORMERS	59	40	41	88	93	83	90	84	72

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

Task Description	SPC 610	SPC 611	SPC 612	SPC 613	SPC 614	SPC 615	SPC 616	SPC 617	SPC 618	
DY-ISK										
C 152 C2-25 DO YOU REFER TO MULTIPLE SECONDARY-WINDINGS SCHEMATIC SYMBOLS FOR TRANSFORMERS	41	28	36	69	79	70	77	70	49	
C 153 C2-26 DO YOU REFER TO MULTIPLE TAP SCHEMATIC SYMBOLS FOR TRANSFORMERS	43	30	37	81	85	72	79	74	51	
C 154 C2-27 DO YOU REFER TO CENTER TAP SCHEMATIC SYMBOLS FOR TRANSFORMERS	52	32	38	81	89	76	83	75	57	
C 155 C2-28 DO YOU REFER TO AIR CORE SCHEMATIC SYMBOLS FOR TRANSFORMERS	21	18	20	52	52	46	54	44	29	
C 156 C2-29 DO YOU REFER TO IRON CORE SCHEMATIC SYMBOLS FOR TRANSFORMERS	28	23	23	54	61	54	67	52	35	
C 157 C2-30 DO YOU REFER TO COMBINATIONS OF THE ABOVE SCHEMATIC SYMBOLS FOR TRANSFORMERS	40	29	25	60	73	68	73	63	45	
C 158 C2-31 DO YOU DETERMINE PHASE RELATIONSHIPS BETWEEN SECONDARY AND PRIMARY VOLTAGES OF TRANSFORMERS USING SCHEMATIC SYMBOLS	17	13	22	48	63	45	58	46	39	
C 159 C2-32 DO YOU DETERMINE OR REFER TO THE TYPE OF CORE IN TRANSFORMERS YOU WORK WITH	8	8	10	33	29	24	36	24	18	
C 160 C2-33 DO YOU REFER TO OR USE THE GENERAL RULE THAT THE TURNS RATIO OF A TRANSFORMER IS EQUAL TO THE VOLTAGE RATIO FOR TRANSFORMERS	7	9	18	27	37	26	38	28	18	
C 161 C2-34 DO YOU USE OR REFER TO STEP-UP OR STEP-DOWN RATIOS FOR TRANSFORMERS	18	13	22	52	65	46	58	48	34	
C 162 C2-35 DO YOU CALCULATE VOLTAGE RATIOS FOR TRANSFORMERS USING TURNS RATIOS	2	5	15	23	34	21	33	21	14	
C 163 C2-36 DO YOU CALCULATE CURRENT RATIOS FOR TRANSFORMERS USING TURNS RATIOS	2	4	11	17	23	14	21	20	12	
C 164 C2-37 DOES YOUR JOB INVOLVE ANY TASKS DEALING WITH THREE PHASE TRANSFORMERS	41	22	20	54	52	43	44	47	49	
C 165 C2-38 DO YOU INSPECT THREE PHASE TRANSFORMERS	38	19	17	38	41	36	35	39	49	
C 166 C2-39 DO YOU CLEAN OR LUBRICATE THREE PHASE TRANSFORMERS	17	8	7	27	27	21	27	24	23	
C 167 C2-40 DO YOU ADJUST THREE PHASE TRANSFORMERS	8	4	6	25	16	23	22	23	18	
C 168 C2-41 DO YOU TROUBLESHOOT THREE PHASE TRANSFORMERS	32	17	18	40	38	38	32	38	51	
C 169 C2-42 DO YOU REMOVE OR REPLACE COMPLETE THREE PHASE TRANSFORMERS	36	20	17	42	40	43	38	41	53	
C 170 C2-43 DO YOU REMOVE OR REPLACE THREE PHASE TRANSFORMER PARTS SUCH AS WINDINGS	1	2	4	8	7	8	8	9	11	
C 171 C3-01 DO YOU USE OR REFER TO PERMANENT MAGNETS	38	53	20	35	44	39	40	37	66	
C 172 C3-02 DO YOU USE OR REFER TO TEMPORARY MAGNETS	22	29	16	33	44	39	38	40	29	
C 173 C3-03 DO YOU USE OR REFER TO RETENTIVITY OF MAGNETIC MATERIALS	12	20	4	19	18	18	18	23	15	
C 174 C3-04 DO YOU USE OR REFER TO RELUCTANCE OF MAGNETIC MATERIALS	13	19	2	13	20	12	15	21	13	
C 175 C3-05 DO YOU USE OR REFER TO PERMEABILITY OF MAGNETIC MATERIALS	17	19	3	15	20	18	17	23	16	
C 176 C3-06 DO YOU USE OR REFER TO RESIDUAL MAGNETISM	16	28	8	21	25	24	22	25	46	
C 177 C3-07 DO YOU USE OR REFER TO MAGNETIC LINES OF FORCE OR FLUX	65	49	11	23	35	24	26	30	39	
C 178 C3-08 DO YOU USE OR REFER TO WEBER'S THEORY OF MAGNETISM	6	7	2	8	8	6	9	9	8	

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

Task Description	SPC 610	SPC 611	SPC 612	SPC 613	SPC 614	SPC 615	SPC 616	SPC 617	SPC 618
C 179 C3-09 DO YOU USE OR REFER TO DOMAIN THEORY OF MAGNETISM	4	7	2	8	9	5	9	8	8
C 180 C3-10 DO YOU USE OR REFER TO MAGNETIC INDUCTION	32	31	6	23	34	23	23	24	32
C 181 C3-11 DO YOU USE OR REFER TO FLUX DENSITY	33	23	2	17	21	12	21	25	16
C 182 C3-12 DO YOU USE OR REFER TO THE GENERAL RULE THAT FOR MAGNETIC POLES, LIKE POLES REPEL AND UNLIKE POLES ATTRACT	44	50	28	42	48	45	50	49	57
C 183 C3-13 DO YOU USE THE LEFT HAND THUMB RULE TO FIND THE DIRECTION OF MAGNETIC FIELDS ABOUT STRAIGHT WIRES	9	12	9	27	23	21	28	26	27
C 184 C3-14 DO YOU USE THE LEFT HAND THUMB RULE TO FIND THE NORTH POLE OF A CURRENT CARRYING COIL	7	11	8	27	22	19	26	25	24
D 185 D1-01 DO YOU WORK WITH RC, LR, RCL CIRCUITS IN YOUR PRESENT JOB	20	10	29	58	68	55	82	72	18
D 186 D1-02 DO YOU USE OR REFER TO VECTORS WHEN WORKING WITH RCL CIRCUITS	4	2	9	21	33	22	38	30	10
D 187 D1-03 DO YOU USE OR REFER TO PYTHAGOREAN THEOREM WHEN WORKING WITH RCL CIRCUITS	2	2	7	19	26	16	35	28	5
D 188 D1-04 DO YOU USE OR REFER TO SINE WHEN WORKING WITH RCL CIRCUITS	8	2	20	15	47	34	60	46	8
D 189 D1-05 DO YOU USE OR REFER TO COSINE WHEN WORKING WITH RCL CIRCUITS	8	2	20	13	46	34	62	45	8
D 190 D1-06 DO YOU USE OR REFER TO TANGENT WHEN WORKING WITH RCL CIRCUITS	3	2	9	10	34	29	53	40	6
D 191 D1-07 DO YOU USE OR REFER TO WATTS WHEN WORKING WITH RCL CIRCUITS	7	4	19	48	36	34	50	43	14
D 192 D1-08 DO YOU USE OR REFER TO TRUE POWER (PT) WHEN WORKING WITH RCL CIRCUITS	2	5	5	23	25	22	26	24	14
D 193 D1-09 DO YOU USE OR REFER TO MAXIMUM POWER (PM) WHEN WORKING WITH RCL CIRCUITS	3	4	7	19	20	19	28	24	11
D 194 D1-10 DO YOU USE OR REFER TO AVERAGE POWER (PAVE) WHEN WORKING WITH RCL CIRCUITS	4	4	6	19	21	23	22	25	10
D 195 D1-11 DO YOU USE OR REFER TO APPARENT POWER (PA) WHEN WORKING WITH RCL CIRCUITS	2	3	7	19	18	17	17	19	13
D 196 D1-12 DO YOU USE OR REFER TO POWER FACTOR (PF) WHEN WORKING WITH RCL CIRCUITS	2	2	6	19	21	18	23	22	14
D 197 D1-13 DO YOU USE OR REFER TO RESONANT CIRCUITS WHEN WORKING WITH RCL CIRCUITS	8	4	11	35	40	35	42	40	8
D 198 D1-14 DO YOU USE OR REFER TO BANDWIDTH WHEN WORKING WITH RCL CIRCUITS	5	2	5	56	26	30	36	41	2
D 199 D1-15 DO YOU USE OR REFER TO SELECTIVITY WHEN WORKING WITH RCL CIRCUITS	5	2	6	29	29	25	33	34	5
D 200 D1-16 DO YOU USE OR REFER TO RESONANT FREQUENCY WHEN WORKING WITH RCL CIRCUITS	6	3	10	35	36	34	36	37	8
D 201 D1-17 DO YOU USE OR REFER TO HALF POWER POINTS WHEN WORKING WITH RCL CIRCUITS	1	2	4	21	13	9	15	21	5
D 202 D1-18 DO YOU USE OR REFER TO BANDPASS REGION WHEN WORKING WITH RCL CIRCUITS	6	2	6	23	17	18	23	28	2
D 203 D1-19 DO YOU USE OR REFER TO CIRCUIT Q WHEN WORKING WITH RCL CIRCUITS	4	2	3	21	13	14	15	23	3

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

Task Description	SPC 610	SPC 611	SPC 612	SPC 613	SPC 614	SPC 615	SPC 616	SPC 617	SPC 618
D 229 02-01 IN YOUR PRESENT JOB, DO YOU WORK WITH, USE, OR REFER TO SERIES OR PARALLEL RESONANT CIRCUITS OR TIME CONSTANTS	5	3	9	38	29	29	50	39	9
D 230 02-02 DO YOU WORK WITH, USE, OR REFER TO TIME CONSTANTS	5	2	11	40	25	26	44	35	4
D 231 02-03 DO YOU WORK WITH, USE, OR REFER TO AVAILABLE VOLTAGE	3	3	7	27	16	18	24	23	8
D 232 03-04 DO YOU WORK WITH, USE, OR REFER TO TRANSIENT INTERVALS	2	2	5	17	8	13	14	18	3
D 233 02-05 DO YOU USE OR REFER TO THE GENERAL RULE THAT A CAPACITOR IS FULLY CHARGED (OR DISCHARGED) AFTER FIVE (5) TIME CONSTANTS (TC)	1	3	7	29	18	18	21	30	5
D 234 02-06 DO YOU USE OR REFER TO UNIVERSAL TIME CONSTANT CHARTS	0	1	1	10	6	9	9	13	3
D 235 02-07 DO YOU USE EQUATIONS OR FORMULAS TO DETERMINE CIRCUIT CURRENT OR COMPONENT VOLTAGES AFTER A SPECIFIC TIME FOR RC OR LR CIRCUITS	0	2	4	19	12	13	14	12	6
D 236 02-08 DO YOU USE EQUATIONS OR FORMULAS TO DETERMINE THE TIME REQUIRED FOR CIRCUIT CURRENT OR COMPONENT VOLTAGES TO REACH SPECIFIC VALUES FOR RC OR LR CIRCUITS	0	1	4	19	11	13	14	12	5
D 237 02-09 DO YOU USE EQUATIONS OR FORMULAS TO DETERMINE COMPONENT VALUES REQUIRED FOR CIRCUIT CURRENT AND COMPONENT VOLTAGES TO REACH SPECIFIC VALUES IN SPECIFIC TIMES	0	1	4	17	12	13	10	11	5
D 238 02-10 DO YOU USE OR REFER TO THE GENERAL RULE THAT CURRENT IN LR CIRCUITS REACHES ITS MINIMUM VALUE (OR ZERO) AFTER FIVE (5) TIME CONSTANTS	0	2	3	19	11	11	10	18	4
D 239 03-01 DO YOU WORK WITH CIRCUITS USED AS FILTERS IN YOUR PRESENT JOB	33	12	31	63	54	64	72	76	21
D 240 03-02 DO YOU INSPECT FILTER CIRCUITS	27	10	24	69	52	56	64	67	17
D 241 03-03 DO YOU CLEAN FILTER CIRCUITS	16	6	20	50	36	40	41	47	11
D 242 03-04 DO YOU ALIGN OR ADJUST FILTER CIRCUITS	10	4	20	50	31	47	53	58	7
D 243 03-05 DO YOU TROUBLESHOOT TO THE FILTER CIRCUIT LEVEL	21	8	24	65	47	51	55	65	15
D 244 03-06 DO YOU TROUBLESHOOT TO COMPONENT PARTS	21	9	28	65	55	57	60	67	14
D 245 03-07 DO YOU REMOVE OR REPLACE THE COMPLETE FILTER CIRCUIT	25	10	24	63	40	57	59	70	18
D 246 03-08 DO YOU REMOVE OR REPLACE FILTER CIRCUIT COMPONENT PARTS	17	6	27	65	54	59	62	61	13
D 247 03-09 DO YOU WORK WITH LOW PASS FILTERS	24	4	15	50	34	48	40	55	5
D 248 03-10 DO YOU WORK WITH HIGH PASS FILTERS	25	4	11	48	29	46	38	54	6
D 249 03-11 DO YOU WORK WITH BANDPASS FILTERS	13	2	8	46	19	37	35	42	3
D 250 03-12 DO YOU WORK WITH BAND-REJECT FILTERS	10	2	4	42	15	33	27	39	4
D 251 03-13 DON'T REMEMBER WHICH TYPE OF FILTER YOU WORK WITH	14	8	15	29	23	22	27	27	12
D 252 03-14 DO YOU WORK WITH L-SECTION FILTER CONFIGURATION	10	3	11	40	31	28	44	39	3
D 253 03-15 DO YOU WORK WITH T-SECTION FILTER CONFIGURATION	9	3	12	42	30	29	46	41	4
D 254 03-16 DO YOU WORK WITH PI-SECTION FILTER CONFIGURATION	8	3	11	35	29	29	47	37	2
D 255 03-17 DON'T REMEMBER WHICH TYPE FILTER CONFIGURATION	17	8	15	25	26	29	21	26	11
D 256 03-18 DO THE FILTERS YOU WORK WITH USE PARALLEL RESONANT CIRCUITS	10	2	16	40	25	31	26	32	7
D 257 03-19 DO THE FILTERS YOU WORK WITH USE SERIES-PARALLEL CIRCUITS	13	5	18	50	34	34	33	35	11
D 258 03-20 DO THE FILTERS YOU WORK WITH USE SERIES RESONANT CIRCUITS	10	3	15	40	27	31	28	30	8

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DY-ISK

Task ID	Description	SPC 610	SPC 611	SPC 612	SPC 613	SPC 614	SPC 615	SPC 616	SPC 617	SPC 618
D 259	D3-21 DON'T REMEMBER WHICH TYPE OF BASIC CIRCUIT	16	9	10	25	27	34	31	32	8
D 260	D3-22 DO YOU USE EQUATIONS OR FORMULAS TO DETERMINE CAPACITANCE OR INDUCTANCE VALUES REQUIRED FOR SPECIFIC FILTERS	2	2	10	17	13	15	15	14	4
E 261	E1-01 DO YOU WORK WITH COUPLING DEVICES IN YOUR PRESENT JOB	26	13	29	77	69	59	82	63	7
E 262	E1-02 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH RC COUPLING	21	8	28	71	67	54	73	61	4
E 263	E1-03 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH IMPEDANCE COUPLING	18	7	19	58	54	40	67	50	4
E 264	E1-04 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH TRANSFORMER COUPLING	25	11	27	67	68	54	76	57	6
E 265	E1-05 DO YOU TROUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS WHICH PERFORM RC COUPLING	21	9	27	71	66	55	71	60	4
E 266	E1-06 DO YOU TROUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS WHICH PERFORM IMPEDANCE COUPLING	18	8	19	56	55	45	63	50	4
E 267	E1-07 DO YOU TROUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS WHICH PERFORM TRANSFORMER COUPLING	25	11	25	69	67	54	69	55	6
E 268	E1-08 DO YOU WORK WITH DIRECTLY COUPLED CIRCUITS	18	10	25	71	64	55	79	57	4
E 269	E1-09 DO YOU WORK WITH CAPACITIVE-RESISTIVE COUPLED CIRCUITS	17	8	24	65	62	52	71	55	4
E 270	E1-10 DO YOU WORK WITH CAPACITIVE-INDUCTIVE COUPLED CIRCUITS	14	9	17	54	47	39	54	45	3
E 271	E1-11 DO YOU WORK WITH TRANSFORMER COUPLED CIRCUITS	20	11	24	67	64	51	68	53	4
E 272	E1-12 DON'T REMEMBER WHICH TYPE OF COUPLING CIRCUITS	9	5	7	15	19	21	10	15	2
E 273	E2-01 IN YOUR PRESENT JOB, DO YOU PERFORM SOLDERING TECHNIQUES OR INSPECT OR EVALUATE SOLDERED CONNECTIONS	89	92	50	96	99	94	97	94	92
E 274	E2-02 DO YOU SELECT TYPE OF SOLDER TO USE	70	83	41	81	73	82	82	78	85
E 275	E2-03 DO YOU ADD FLUX TO CONNECTIONS	85	93	41	88	72	82	83	81	85
E 276	E2-04 DO YOU CLEAN CONNECTIONS USING SOLVENTS	71	72	41	81	71	92	85	91	77
E 277	E2-05 DO YOU STRIP INSULATION FROM WIRES	90	95	52	98	98	97	99	96	96
E 278	E2-06 DO YOU CONNECT OR DISCONNECT HEAT SINKS	75	71	47	98	91	95	96	94	77
E 279	E2-07 DO YOU REMD OR SHAPE WIRES OR LEADS	90	91	52	98	98	97	99	95	94
E 280	E2-08 DO YOU CUT WIRES	90	95	52	96	98	97	99	94	95
E 281	E2-09 DO YOU FILE OR SHAPE SOLDERING IRON TIPS	68	83	43	79	79	73	78	63	86
E 282	E2-10 DO YOU SOLDERING IRON TIPS	90	94	52	94	96	97	97	94	94
E 283	E2-11 DO YOU CLEAN SOLDERING IRON TIPS	90	94	52	98	98	95	99	94	96
E 284	E2-12 DO YOU CLEAN ELECTRICAL SURFACES USING ERASERS	51	58	42	90	75	82	85	87	55
E 285	E2-13 DO YOU CLEAN PRE-TIN CONDUCTORS	84	91	51	96	96	94	99	95	81
E 286	E2-14 DO YOU INSPECT SOLDERED CONNECTIONS	89	94	52	98	98	98	99	93	95
E 287	E2-15 DO YOU DESOLDER CONNECTIONS BY WICKING	49	48	33	79	53	66	60	60	44
E 288	E2-16 DO YOU DESOLDER CONNECTIONS USING VACUUM DESOLDERING TOOLS	78	67	49	88	93	97	95	93	38
E 289	E2-17 DO YOU CUT COMPONENT LEADS TO REMOVE COMPONENTS	60	61	50	81	82	86	90	86	71
E 290	E2-18 DO YOU CRUSH COMPONENTS FOR REMOVAL	15	14	20	44	30	37	36	41	16

TASK GROUP SUMMARY AIR FORCE SYSTEMS COMMAND
 PERCENT MEMBERS PERFORMING

Task Description	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	610	611	612	613	614	615	616	617	618	619	620	621	622	623
E 291 E2-19 DO YOU MAKE HARDWIRE CONNECTIONS	77	79	50	96	95	93	97	91	78					
E 292 E2-20 DO YOU MAKE PRINTED CIRCUIT BOARD CONNECTIONS	50	41	50	94	69	97	96	95	49					
E 293 E2-21 DO YOU SOLDER PASSIVE COMPONENTS SUCH AS RESISTORS OR CAPACITORS ON PRINTED CIRCUIT BOARDS	50	38	50	96	73	95	95	96	48					
E 294 E2-22 DO YOU SOLDER ACTIVE COMPONENTS SUCH AS SOLID-STATE DIODES OR TRANSISTORS ON PRINTED CIRCUIT BOARDS	42	36	47	94	68	94	96	96	42					
E 295 E3-01 DO YOU WORK WITH RELAYS ON YOUR PRESENT JOB	84	78	50	94	98	93	94	90	90					
E 296 E3-02 DO YOU ADJUST RELAYS	30	14	23	63	47	43	68	47	30					
E 297 E3-03 DO YOU CLEAN RELAYS	51	32	36	90	59	60	65	60	58					
E 298 E3-04 DO YOU INSPECT RELAYS	75	60	46	96	89	85	90	80	87					
E 299 E3-05 DO YOU REMOVE OR REPLACE COMPLETE RELAYS	83	79	50	90	99	94	94	92	96					
E 300 E3-06 DO YOU REMOVE OR REPLACE PARTS OR RELAYS	9	13	23	48	24	28	24	24	25					
E 301 E3-07 DO YOU TROUBLESHOOT RELAYS	82	77	46	88	86	88	79	82	95					
E 302 E3-08 DO YOU STRAIGHTEN RELAY CONTACTS	40	28	32	83	64	56	51	51	34					
E 303 E3-09 DO YOU PERFORM TASKS ON RELAY CONTACTS	30	19	31	83	51	51	53	52	36					
E 304 E3-10 DO YOU PERFORM TASKS ON RELAY CORES	7	3	11	29	11	13	13	12	12					
E 305 E3-11 DO YOU PERFORM TASKS ON RELAY COILS	8	3	15	38	18	17	17	16	18					
E 306 E3-12 DO YOU PERFORM TASKS ON RELAY ARMATURES	9	4	21	40	20	18	22	19	17					
E 307 E3-13 DO YOU USE OR REFER TO SINGLE POLE, SINGLE THROW (SPST), NORMALLY OPER (NO) SCHEMATIC SYMBOLS FOR RELAYS	15	7	25	52	23	24	31	27	17					
E 308 E3-14 DO YOU USE OR REFER TO SINGLE POLE, DOUBLE THROW (SPDT), NORMALLY OPER (NO) SCHEMATIC SYMBOLS FOR RELAYS	64	52	39	85	79	80	79	77	85					
E 309 E3-15 DO YOU USE OR REFER TO SINGLE POLE, SINGLE THROW (SPST), NORMALLY CLOSED (NC) SCHEMATIC SYMBOLS FOR RELAYS	62	51	40	85	77	78	77	76	85					
E 310 E3-16 DO YOU USE OR REFER TO SINGLE POLE, DOUBLE THROW (SPDT) SCHEMATIC SYMBOLS FOR RELAYS	59	51	39	79	76	72	78	71	82					
E 311 E3-17 DO YOU USE OR REFER TO DOUBLE POLE, DOUBLE THROW (DPDT) SCHEMATIC SYMBOLS FOR RELAYS	58	52	41	81	80	71	78	72	82					
E 312 E3-18 DO YOU USE OR REFER TO OTHER RELAY SYMBOLS SCHEMATIC SYMBOLS FOR RELAYS	60	56	40	79	87	73	76	69	81					
E 313 E3-19 DO YOU CHECK ELECTRICAL CONTINUITY OF COILS BY MEASURING RESISTANCE	61	50	45	83	70	76	81	69	85					
F 314 F1-01 IN YOUR PRESENT JOB, DO YOU PERFORM ANY TASKS DEALING WITH MICROPHONES	7	5	69	83	80	92	63	83	3					
F 315 F1-02 DO YOU INSPECT MICROPHONES	3	1	50	79	72	82	56	73	1					
F 316 F1-03 DO YOU CLEAN MICROPHONES	2	1	45	75	57	74	49	67	1					
F 317 F1-04 DO YOU OPERATE MICROPHONES	8	4	67	83	79	92	62	84	2					
F 318 F1-05 DO YOU TROUBLESHOOT AS FAR AS CHECKING WIRE CONNECTIONS BUT DO NOT TROUBLESHOOT DOWN TO COMPONENT PARTS OR MICROPHONES	2	2	45	69	64	74	51	64	2					
F 319 F1-06 DO YOU TROUBLESHOOT DOWN TO MICROPHONE PARTS	0	1	24	33	32	46	22	35	1					
F 320 F1-07 DO YOU REMOVE OR REPLACE COMPLETE MICROPHONES	3	1	50	81	76	91	60	78	0					
F 321 F1-08 DO YOU REMOVE OR REPLACE MICROPHONE PARTS	0	1	21	29	31	50	23	39	0					
F 322 F1-09 DO YOU PERFORM TASKS ON CARBON MICROPHONES	2	1	29	63	47	60	23	38	0					
F 323 F1-10 DO YOU PERFORM TASKS ON CAPACITOR MICROPHONES	1	1	6	10	9	24	6	11	0					
F 324 F1-11 DO YOU PERFORM TASKS ON CRYSTAL MICROPHONES	0	1	15	33	18	28	14	16	0					
F 325 F1-12 DO YOU PERFORM TASKS ON DYNAMIC MICROPHONES	0	1	25	63	37	55	27	48	0					
F 326 F1-13 DO YOU PERFORM TASKS ON VELOCITY RIBBON MICROPHONES	1	1	2	2	3	7	3	5	0					

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

Task ID	Description	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
F 327	F2-01 IN YOUR PRESENT JOB, DO YOU PERFORM ANY TASKS DEALING WITH SPEAKERS	5	3	38	65	77	78	53	69	3					
F 328	F2-02 DO YOU INSPECT SPEAKERS	1	1	33	60	72	69	49	63	2					
F 329	F2-03 DO YOU CLEAN SPEAKERS	1	1	24	58	49	46	40	49	0					
F 330	F2-04 DO YOU OPERATE SPEAKERS	5	3	36	63	74	71	50	63	2					
F 331	F2-05 DO YOU TROUBLESHOOT AS FAR AS CHECKING WIRE CONNECTIONS, BUT DO NOT TROUBLESHOOT DOWN TO COMPONENT PARTS OF SPEAKERS	1	1	30	54	69	69	45	60	3					
F 332	F2-06 DO YOU TROUBLESHOOT DOWN TO SPEAKER PARTS	0	1	13	29	20	21	13	15	0					
F 333	F2-07 DO YOU REMOVE OR REPLACE COMPLETE SPEAKERS	1	1	33	63	70	76	49	59	2					
F 334	F2-08 DO YOU REMOVE OR REPLACE SPEAKER PARTS	0	1	6	19	10	12	14	12	1					
F 335	F2-09 DO YOU PERFORM ANY TASKS ON SPEAKER CONES	0	1	3	10	10	9	5	13	0					
F 336	F2-10 DO YOU PERFORM ANY TASKS ON SPEAKER SPIDERS	0	1	2	0	4	8	1	4	0					
F 337	F2-11 DO YOU PERFORM ANY TASKS ON SPEAKER FIELD COILS	0	1	2	6	6	8	5	7	1					
F 338	F2-12 DO YOU PERFORM ANY TASKS ON SPEAKER VOICE COILS	0	1	4	8	6	8	5	8	1					
F 339	F2-13 DO YOU PERFORM ANY TASKS ON SPEAKER PERMANENT MAGNETS	0	1	3	8	7	9	4	12	0					
F 340	F2-14 DO YOU PERFORM ANY TASKS ON SPEAKER ELECTROMAGNETS	0	1	3	10	6	8	4	10	0					
F 341	F2-15 DO YOU PERFORM ANY TASKS ON SPEAKER SOFT IRON CORES	0	1	2	4	4	4	4	4	0					
F 342	F3-01 DO YOU USE OSCILLOSCOPES IN YOUR PRESENT JOB	67	56	45	96	96	98	94	94	20					
F 343	F3-02 DO YOU USE OSCILLOSCOPES TO PERFORM OPERATIONAL CHECKS	59	51	41	96	90	92	99	93	19					
F 344	F3-03 DO YOU USE OSCILLOSCOPES TO PERFORM ALIGNMENTS OR ADJUSTMENTS	49	42	42	96	92	92	96	93	15					
F 345	F3-04 DO YOU USE OSCILLOSCOPES TO TROUBLESHOOT ELECTRONIC CIRCUITS	55	48	43	94	95	95	95	93	16					
F 346	F3-05 DO YOU USE OSCILLOSCOPES TO MEASURE FREQUENCY	38	30	33	96	74	89	91	90	19					
F 347	F3-06 DO YOU USE OSCILLOSCOPES TO MEASURE TIME	23	24	23	94	47	87	96	92	8					
F 348	F3-07 DO YOU USE OSCILLOSCOPES TO OBSERVE LISAIOUS PATTERNS	53	32	20	54	40	38	51	46	8					
F 349	F3-08 DO YOU USE OSCILLOSCOPES TO OBSERVE SIGNALS WHILE UTILIZING ATTENUATOR PROBES	20	20	31	96	77	88	88	85	9					
F 350	F3-09 DO YOU USE OSCILLOSCOPES TO MAKE FREQUENCY OR TIME MEASUREMENTS USING DELAY TIME MULTIPLIERS	15	15	23	67	38	71	92	83	6					
F 351	F3-10 DO YOU USE OSCILLOSCOPES TO MEASURE AC VOLTAGE	50	43	36	96	90	90	96	95	20					
F 352	F3-11 DO YOU USE OSCILLOSCOPES TO MEASURE OR OBSERVE SIGNALS AFTER FIRST ADJUSTING THE GAIN AND DC BAL CONTROLS	35	26	32	83	68	77	85	81	15					
F 353	F3-12 DO YOU USE OSCILLOSCOPES TO MEASURE DC VOLTAGE	41	36	36	96	87	95	99	97	16					
F 354	F3-01 DO YOU WORK WITH SEMICONDUCTOR DIODES IN YOUR PRESENT JOB	50	41	41	98	96	95	95	88	54					
F 355	F3-02 DO YOU INSPECT DIODES	49	38	41	98	91	90	91	85	52					
F 356	F3-03 DO YOU REMOVE OR REPLACE DIODES	46	36	43	98	96	96	92	90	55					
F 357	F3-04 DO YOU CHECK DIODES USING AN INSTRUMENT	45	34	38	98	90	92	94	90	51					
F 358	F3-05 DO YOU USE EMERGENCY LEVEL DIAGRAMS IN YOUR WORK WITH DIODES	1	2	2	15	7	13	10	9	6					
F 359	F3-06 DO YOU USE PM JUNCTION DIODE CHARACTERISTIC CURVES, TO COMPUTE VALUES OF FORWARD AND REVERSE BIAS VOLTAGE, TO COMPUTE FORWARD OR REVERSE LIAS RESISTANCE	3	4	7	23	14	19	21	25	14					
F 360	F3-07 DO YOU COMPUTE FORWARD OR REVERSE BIAS RESISTANCE FOR DIODES	5	7	11	38	20	19	31	30	16					

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DY-ISK

Task ID	Description	610	611	612	613	614	615	616	617	618
6 361	61-08 DO YOU USE OR REFER TO THE GENERAL RULE THAT TEMPERATURE CAN AFFECT THE OPERATION OF DIODES	21	18	31	79	64	64	67	68	30
6 362	61-09 DO YOU IDENTIFY SEMICONDUCTOR DIODES AS OPPOSED TO OTHER ELECTRONIC COMPONENTS, SUCH AS RESISTORS, BASED ON THEIR PHYSICAL APPEARANCE	37	30	39	90	87	83	86	76	37
6 363	61-10 DO YOU REFER TO OR DO YOU DETERMINE THE GENERAL EFFECTS OF DOPING ON CURRENT FLOW	3	4	11	25	13	13	14	16	10
6 364	61-11 DO YOU USE OR REFER TO MEASUREMENTS OF FORWARD BIAS RESISTANCE	17	14	20	71	50	62	63	62	18
6 365	61-12 DO YOU USE OR REFER TO DIODE COLOR CODING	16	10	23	67	42	47	44	37	15
6 366	61-13 DO YOU USE OR REFER TO CENTRIFUGAL FORCE OF AN ELECTRON IN ORBIT AROUND A NUCLEUS	0	1	2	10	2	5	6	5	4
6 367	61-14 DO YOU USE OR REFER TO CENTRIFUGAL FORCE OF AN ELECTRON IN ORBIT AROUND A NUCLEUS	0	1	2	8	4	4	4	4	4
6 368	61-15 DO YOU USE OR REFER TO DIODE NUMBERING SYSTEM, SUCH AS IN 538	26	14	34	88	76	85	82	83	20
6 369	61-16 DO YOU USE OR REFER TO KINETIC ENERGY OF AN ELECTRON MOVING IN ORBIT	0	2	2	10	5	8	8	5	3
6 370	61-17 DO YOU USE OR REFER TO POTENTIAL ENERGY OF AN ELECTRON MOVING IN ORBIT	0	2	2	10	5	7	9	5	4
6 371	61-18 DO YOU USE OR REFER TO MEASUREMENTS OF REVERSE BIAS RESISTANCE	17	13	20	67	46	56	68	59	16
6 372	61-19 DO YOU USE OR REFER TO NUMBER OF ELECTRONS IN A PARTICULAR SHELL OR ORBIT	0	1	3	13	7	8	6	8	5
6 373	61-20 DO YOU USE OR REFER TO PERMISSIBLE ENERGY LEVELS OF AN ORBITING ELECTRON	0	1	2	10	4	7	8	7	3
6 374	61-21 DO YOU USE OR REFER TO FORBIDDEN ENERGY LEVELS OF AN ORBITING ELECTRON	0	1	2	13	4	7	6	7	4
6 375	61-22 DO YOU USE OR REFER TO VALENCE ELECTRONS (THOSE IN THE OUTERMOST SHELL)	1	2	4	15	7	10	9	8	6
6 376	61-23 DO YOU USE OR REFER TO ATOMIC NUMBER (TOTAL NUMBER OF ELECTRONS IN ATOM)	0	1	3	15	5	9	8	8	5
6 377	61-24 DO YOU USE OR REFER TO SYMBOLS ON THE DIODE WHICH INDICATE THE CATHODE END	36	27	37	90	84	82	88	89	35
6 378	61-25 DO YOU NEED TO KNOW WHICH MATERIALS ARE USED IN THE CONSTRUCTION OF DIODES SUCH AS GERMANIUM OR SILICON	5	5	14	42	25	27	31	30	13
6 379	61-26 DO YOU NEED TO KNOW THAT SEMICONDUCTORS HAVE NEGATIVE TEMPERATURE COEFFICIENTS OF RESISTANCE (AS TEMPERATURE INCREASES RESISTANCE DECREASES)	9	12	19	48	41	42	36	50	19
6 380	61-27 DO YOU USE OR REFER TO PN JUNCTION DIODE CHARACTERISTIC CURVES, SUCH AS VOLTAGE - CURRENT	1	3	7	27	17	26	21	29	11
6 381	61-28 DO YOU DETERMINE WHETHER PN JUNCTION DIODES ARE FORWARD BIASED OR REVERSE BIASED WHEN YOU READ OR INTERPRET CIRCUIT DIAGRAMS	23	15	28	69	60	72	71	72	25
6 382	61-29 DO YOU USE OR REFER TO VALENCE BAND IN SEMICONDUCTOR MATERIALS	1	2	4	23	7	10	8	13	4

PCI MBRS RESPONDING 'YES' BY DAESSC GROUPS

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AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DY-TSK

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	610	611	612	613	614	615	616	617	618	619	620	621
6 383 61-30 00 YOU USE OR REFER TO FORBIDDEN BAND IN SEMICONDUCTOR MATERIALS	0	2	4	17	6	9	8	10	3			
6 384 61-31 00 YOU USE OR REFER TO CONDUCTION BAND IN SEMICONDUCTOR MATERIALS	0	2	6	19	9	12	8	12	4			
6 385 61-32 00 YOU USE OR REFER TO COVALENT BONDING IN SEMICONDUCTOR MATERIALS	1	1	3	19	6	11	9	11	4			
6 386 61-33 00 YOU USE OR REFER TO ELECTRON-HOLE PAIR CREATED IN SEMICONDUCTORS	2	1	4	19	10	10	10	10	6			
6 387 61-34 00 YOU USE OR REFER TO ELECTRON FLOW OR HOLE FLOW IN SEMICONDUCTORS	6	4	14	27	21	22	18	21	10			
6 388 61-35 00 YOU USE OR REFER TO DONOR IMPURITY IN SEMICONDUCTORS	2	1	5	21	8	11	10	10	4			
6 389 61-36 00 YOU USE OR REFER TO ACCEPTOR IMPURITY IN SEMICONDUCTORS	1	1	5	23	7	12	9	10	4			
6 390 61-37 00 YOU USE OR REFER TO P-TYPE SEMICONDUCTOR MATERIAL	12	6	15	44	33	45	37	42	17			
6 391 61-38 00 YOU USE OR REFER TO N-TYPE SEMICONDUCTOR MATERIAL	11	6	15	44	33	45	37	41	16			
6 392 61-39 00 YOU USE OR REFER TO MAJORITY CARRIERS IN SEMICONDUCTORS	1	3	7	27	12	15	17	18	4			
6 393 61-40 00 YOU USE OR REFER TO MINORITY CARRIERS IN SEMICONDUCTORS	1	3	7	27	12	15	17	18	4			
6 394 61-41 00 YOU USE OR REFER TO JUNCTION RECOMBINATION IN SEMICONDUCTORS	1	1	5	21	10	11	10	12	4			
6 395 61-42 00 YOU USE OR REFER TO DEPLETION REGION IN SEMICONDUCTORS	2	1	6	25	9	13	10	15	4			
6 396 61-43 00 YOU USE OR REFER TO RELATIONSHIP BETWEEN BARRIER WIDTH AND DIFFERENCE OF POTENTIAL	1	2	7	27	12	14	12	15	6			
6 397 61-44 00 YOU USE OR REFER TO THE 10:1 BACK TO FRONT RESISTANCE RATIO FOR DIODES	4	5	15	54	27	29	33	40	6			
6 398 61-45 00 YOU USE OR REFER TO BARRIER HEIGHT IN SEMICONDUCTORS	1	1	4	17	4	9	8	9	3			
6 399 61-46 00 YOU USE OR REFER TO DIODE SUBSTITUTION INFORMATION	10	7	22	83	45	65	71	67	10			
6 400 61-47 00 YOU USE OR REFER TO MAXIMUM AVERAGE FORWARD CURRENT DIODE RATINGS	5	2	15	48	21	29	28	40	9			
6 401 61-48 00 YOU USE OR REFER TO PEAK RECURRENT FORWARD CURRENT DIODE RATINGS	3	2	15	44	16	27	23	30	7			
6 402 61-49 00 YOU USE OR REFER TO MAXIMUM SURGE CURRENT DIODE RATINGS	5	3	15	46	25	30	27	37	9			
6 403 61-50 00 YOU USE OR REFER TO PEAK REVERSE (INVERSE) VOLTAGE DIODE RATINGS	6	4	16	52	33	39	36	43	9			
6 404 62-01 00 YOU WORK WITH TRANSISTORS IN YOUR PRESENT JOB.	45	30	43	96	63	92	94	93	26			
6 405 62-02 00 YOU INSPECT TRANSISTORS	44	28	39	98	61	84	91	88	25			
6 406 62-03 00 YOU REMOVE OR REPLACE TRANSISTORS	37	20	44	96	63	93	91	95	25			
6 407 62-04 00 YOU CHECK TRANSISTORS USING AN INSTRUMENT	31	20	39	98	55	91	91	93	23			
6 408 62-05 00 YOU USE OR REFER TO EMITTER - BASE (EB) FORWARD AND REVERSE RESISTANCE MEASUREMENTS	24	16	33	96	43	79	87	87	18			
6 409 62-06 00 YOU USE OR REFER TO COLLECTOR - BASE (CB) FORWARD AND REVERSE RESISTANCE MEASUREMENTS	23	16	35	96	42	82	87	87	16			

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

Task ID	Description	SPC 610	SPC 611	SPC 612	SPC 613	SPC 614	SPC 615	SPC 616	SPC 617	SPC 618
6 410	62-07 DO YOU USE OR REFER TO EMITTER - COLLECTOR (EC)	23	16	35	94	41	80	87	86	16
6 411	62-08 DO YOU USE OR REFER TO HOW BIASING AFFECTS THE RESISTANCE MEASUREMENTS	8	7	15	40	16	25	32	30	10
6 412	62-09 DO YOU USE OR REFER TO HOW BIASING AFFECTS THE PHYSICAL BARRIER WIDTH OF THE EMITTER - BASE JUNCTION	6	7	15	40	15	24	31	30	9
6 413	62-10 DO YOU USE OR REFER TO THE PHYSICAL SIZE OF THE PHYSICAL BARRIER WIDTH OF THE COLLECTOR - BASE JUNCTION	11	11	24	73	28	48	59	62	14
6 414	62-11 DO YOU USE OR REFER TO LEAKAGE CURRENT (ICBO) IN A TRANSISTOR STRUCTURE (COLLECTOR, BASE AND EMITTER)	4	4	15	46	13	23	28	30	10
6 415	62-12 DO YOU USE OR REFER TO LEAKAGE CURRENT (ICBO) IN A TRANSISTOR	41	26	41	98	61	97	94	95	25
6 416	62-13 DO YOU USE OR REFER TO TRANSISTOR NOTATION SUCH AS Q1, Q2, Q3, ETC	39	25	41	98	59	95	94	93	23
6 417	62-14 DO YOU USE OR REFER TO TRANSISTOR SUBSTITUTION INFORMATION	15	9	28	90	44	77	82	80	13
6 418	62-15 DO YOU USE OR REFER TO THE GENERAL RULE THAT THE TRANSISTOR BASE CURRENT IS NORMALLY SIGNIFICANTLY SMALLER THAN THE EMITTER CURRENT IE (USUALLY IB BEING 2 TO 8 PERCENT OF IE)	8	6	15	54	18	35	37	50	8
6 419	62-16 DO YOU USE THE INFORMATION THAT THE EFFECT OF EMITTER BASE VOLTAGE ON BASE CURRENT IS THE CONTROLLING FACTOR FOR TRANSISTORS	14	9	23	67	30	48	54	56	10
6 420	62-17 DO YOU USE THE GENERAL RULE THAT LEAKAGE CURRENT (ICBO) IN A TRANSISTOR INCREASES AS TEMPERATURE INCREASES	2	5	15	38	15	24	23	29	8
6 421	62-18 DO YOU USE OR REFER TO TRANSISTOR CHARACTERISTIC CURVES	3	2	11	25	15	43	29	54	5
6 422	62-19 DO YOU USE OR REFER TO BETA TRANSISTOR GAINS	2	3	11	25	13	19	22	28	5
6 423	62-20 DO YOU USE OR REFER TO ALPHA TRANSISTOR GAINS	2	3	9	25	11	18	18	25	5
6 424	62-21 DO YOU USE OR REFER TO GAMMA TRANSISTOR GAINS	1	3	9	23	11	17	17	24	5
6 425	62-22 DO YOU CALCULATE BETA TRANSISTOR GAINS	1	1	8	13	7	11	9	15	3
6 426	62-23 DO YOU CALCULATE ALPHA TRANSISTOR GAINS	1	1	7	13	6	10	6	13	3
6 427	62-24 DO YOU CALCULATE GAMMA TRANSISTOR GAINS	1	1	7	13	6	10	5	13	3
6 428	63-01 DO YOU WORK WITH TRANSISTOR AMPLIFIERS IN YOUR PRESENT JOB	33	25	37	85	41	84	73	77	6
6 429	63-02 DO YOU INSPECT TRANSISTOR AMPLIFIERS	29	21	36	77	39	77	72	73	6
6 430	63-03 DO YOU ALIGN OR ADJUST TRANSISTOR AMPLIFIERS	20	12	36	75	35	73	68	69	3
6 431	63-04 DO YOU TROUBLESHOOT TO THE AMPLIFIER CIRCUIT LEVEL	26	15	36	81	38	79	72	78	5
6 432	63-05 DO YOU TROUBLESHOOT TO AMPLIFIER COMPONENTS	34	14	35	81	37	77	71	76	5
6 433	63-06 DO YOU REMOVE OR REPLACE THE COMPLETE AMPLIFIER	34	23	37	73	36	82	72	76	6
6 434	63-07 DO YOU REMOVE OR REPLACE AMPLIFIER COMPONENTS	17	9	35	83	37	76	67	74	5
6 435	63-08 DO YOU USE OR REFER TO (COMMON EMITTER) THE CHANGE IN COLLECTOR CURRENT WHICH RESULTS FROM A CHANGE IN BASE CURRENT	6	2	11	44	14	33	32	33	4
6 436	63-09 DO YOU USE OR REFER TO (COMMON EMITTER) THE CALCULATIONS NECESSARY TO MEASURE THE SPECIFIC CHANGE IN COLLECTOR CURRENT WHICH RESULTS FROM A SPECIFIC CHANGE IN BASE CURRENT	3	1	9	23	7	20	17	21	3

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DY-15K

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	610	611	612	613	614	615	616	617	618		
6 437 63-10 DO YOU USE OR REFER TO (COMMON EMITTER) THE CHANGE IN COLLECTOR VOLTAGE WHICH RESULTS FROM A CHANGE IN BASE CURRENT	6	2	11	46	13	32	29	33	4		
6 438 63-11 DO YOU USE OR REFER TO (COMMON EMITTER) THE CALCULATIONS NECESSARY TO MEASURE THE SPECIFIC CHANGE IN COLLECTOR VOLTAGE WHICH RESULTS FROM A SPECIFIC CHANGE IN BASE CURRENT	2	2	9	27	10	18	15	19	3		
6 439 63-12 DO YOU USE OR REFER TO (COMMON EMITTER) THE CHANGE IN BASE CURRENT WHICH RESULTS FROM AN INPUT SIGNAL	7	3	13	46	13	33	29	36	4		
6 440 63-13 DO YOU USE OR REFER TO (COMMON EMITTER) THE CALCULATIONS NECESSARY TO MEASURE THE SPECIFIC CHANGE IN BASE CURRENT WHICH RESULTS FROM A SPECIFIC INPUT SIGNAL	3	2	8	29	10	21	15	22	3		
6 441 63-14 DO YOU USE THE LOAD-LINE METHOD OF ANALYSIS IN YOUR CIRCUIT ANALYSIS (THIS METHOD REQUIRES YOU TO PLOT A LOAD-LINE ON A TRANSISTOR CHARACTERISTIC CURVE)	0	1	3	15	2	9	4	12	2		
6 442 63-15 DO YOU USE OR REFER TO THE OPERATING POINT Q (QUIESCENT POINT) FOR A TRANSISTOR	2	2	6	19	6	14	10	18	2		
6 443 63-16 DO YOU CALCULATE THE SPECIFIC QUIESCENT POINT FOR A PARTICULAR TRANSISTOR	0	1	2	13	2	6	4	10	2		
6 444 63-17 DO YOU MEASURE VOLTAGE GAIN USED IN THE COMMON EMITTER CONFIGURATION	15	7	21	58	25	54	44	50	4		
6 445 63-18 DO YOU MEASURE CURRENT GAIN USED IN THE COMMON EMITTER CONFIGURATION	9	6	14	48	16	41	31	34	4		
6 446 63-19 DO YOU MEASURE POWER GAIN USED IN THE COMMON EMITTER CONFIGURATION	9	5	12	42	13	37	23	32	4		
6 447 63-20 DO YOU CALCULATE THE VOLTAGE GAIN FOR SPECIFIC TRANSISTORS USING A FORMULA THAT IS, DO YOU DIVIDE THE CHANGE IN BASE-EMITTER VOLTAGE INTO THE CHANGE THE BASE COLLECTOR VOLTAGE TO DETERMINE THE VOLTAGE GAIN	0	1	4	17	5	13	8	11	2		
6 448 63-21 DO YOU CALCULATE THE CURRENT GAIN FOR SPECIFIC TRANSISTORS USING A FORMULA THAT IS, DO YOU DIVIDE THE CHANGE IN BASE CURRENT INTO THE CHANGE IN COLLECTOR CURRENT TO DETERMINE THE CURRENT GAIN	0	1	3	17	4	11	8	10	2		
6 449 63-22 DO YOU CALCULATE THE POWER GAIN FOR A SPECIFIC TRANSISTOR USING A FORMULA THAT IS, DO YOU MULTIPLY THE CURRENT GAIN TIMES THE VOLTAGE GAIN TO DETERMINE THE POWER GAIN	0	1	3	19	3	10	10	13	1		
6 450 63-23 DO YOU NEED TO KNOW THAT MORE COLLECTOR CURRENT IS GENERATED WITH LESS COLLECTOR VOLTAGE AS TEMPERATURE INCREASES (THIS AFFECTS THE STATIC OPERATING POINT EQ OF THE TRANSISTOR)	1	2	3	21	6	15	15	18	2		
6 451 63-24 DO YOU COMPUTE THE STATIC OPERATING POINT EQ OF A TRANSISTOR AT DIFFERENT TEMPERATURES	0	1	2	10	1	10	3	8	2		
6 452 63-25 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH EMITTER (SWAMPING) RESISTOR STABILIZATION	0	3	14	48	20	39	33	43	2		
6 453 63-26 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH SELF-BIAS STABILIZATION	0	3	13	48	17	38	32	38	3		

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

Task ID	Description	610	611	612	613	614	615	616	617	618
6 454	63-27 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH THERMISTOR STABILIZATION	6	3	6	40	13	30	31	36	3
6 455	63-28 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH FORWARD BIAS DIODE STABILIZATION	8	3	11	48	16	40	31	41	3
6 456	63-29 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH REVERSE BIAS DIODE STABILIZATION	8	3	10	48	16	40	29	41	3
6 457	63-30 DO YOU IDENTIFY ON SCHEMATIC DIAGRAMS AND RELATE TO THE ACTUAL CIRCUITRY THE COMPONENTS ASSOCIATED WITH DOUBLE DIODE STABILIZATION	6	2	8	38	15	32	28	36	3
6 458	63-31 DO YOU TROUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS WHICH PERFORM EMITTER (SWAMPING) RESISTOR STABILIZATION	8	4	15	54	20	45	40	45	2
6 459	63-32 DO YOU TROUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS WHICH PERFORM SELF-BIAS STABILIZATION	9	3	11	54	20	45	41	42	3
6 460	63-33 DO YOU TROUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS WHICH PERFORM THERMISTOR STABILIZATION	7	4	7	44	15	32	36	37	3
6 461	63-34 DO YOU TROUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS WHICH PERFORM FORWARD BIAS DIODE STABILIZATION	10	4	12	56	19	43	38	44	2
6 462	63-35 DO YOU TROUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS WHICH PERFORM REVERSE BIAS DIODE STABILIZATION	10	3	11	54	19	44	36	43	2
6 463	63-36 DO YOU TROUBLESHOOT CIRCUITS WHICH HAVE COMPONENTS WHICH PERFORM DOUBLE DIODE STABILIZATION	6	3	8	40	15	35	31	37	2
6 464	63-37 DO YOU IDENTIFY AMPLITUDE DISTORTION FOR TRANSISTOR CIRCUITS	8	2	11	63	21	55	47	50	1
6 465	63-38 DO YOU TROUBLESHOOT TRANSISTOR CIRCUITS TO FIND THE CAUSES OF AMPLITUDE DISTORTION	7	4	11	67	25	61	50	62	2
6 466	63-39 DO YOU IDENTIFY FREQUENCY DISTORTION FOR TRANSISTOR CIRCUITS	5	2	5	56	18	54	35	44	2
6 467	63-40 DO YOU IDENTIFY PHASE DISTORTION FOR TRANSISTOR CIRCUITS	7	3	4	50	16	48	29	39	2
6 468	63-41 DO YOU TROUBLESHOOT TRANSISTOR CIRCUITS TO FIND THE CAUSES OF PHASE DISTORTION	5	2	5	46	17	47	29	39	2
6 469	63-42 DO YOU TROUBLESHOOT TRANSISTOR CIRCUITS TO FIND THE CAUSES OF FREQUENCY DISTORTION	3	2	3	52	18	50	36	46	2
6 470	63-43 DO YOU NEED TO KNOW THE DEGENERATIVE EFFECTS ON THE CIRCUIT CAUSED BY CHANGING EMITTER RESISTANCE FOR TRANSISTOR AMPLIFIERS IN THE COMMON COLLECTOR CONFIGURATION	4	2	5	33	10	20	27	30	2
6 471	63-44 DO YOU DETERMINE THE CLASS OF OPERATION FOR AMPLIFIERS IN ORDER TO TROUBLESHOOT AMPLIFIER CIRCUITS	5	3	11	42	13	29	33	36	3
6 472	63-45 DO YOU TROUBLESHOOT OR REPAIR PARAPHASE AMPLIFIERS	6	3	7	35	20	37	36	31	2
6 473	63-46 DO YOU TROUBLESHOOT OR REPAIR PUSH-PULL AMPLIFIERS	17	9	28	60	30	63	70	70	3
6 474	63-47 DO YOU TROUBLESHOOT OR REPAIR COMPLEMENTARY SYMMETRY CIRCUITS	6	4	10	38	16	34	49	51	2
6 475	63-48 DO YOU TROUBLESHOOT OR REPAIR COMPOUND-CONNECTED AMPLIFIERS	8	4	12	38	17	40	44	50	2

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

Task ID	Description	SPC 610	SPC 611	SPC 612	SPC 613	SPC 614	SPC 615	SPC 616	SPC 617	SPC 618	
CV-15K											
H 513	M3-02 DO YOU INSPECT OSCILLATORS	10	4	24	77	44	50	54	57	3	
H 514	M3-03 DO YOU ALIGN OR ADJUST OSCILLATORS	7	2	25	71	39	50	54	57	3	
H 515	M3-04 DO YOU REMOVE OR REPLACE COMPLETE OSCILLATORS	9	2	21	71	34	55	53	59	3	
H 516	M3-05 DO YOU REMOVE OR REPLACE OSCILLATOR COMPONENTS	6	1	25	71	38	38	49	50	3	
H 517	M3-06 DO YOU TROUBLESHOOT TO OSCILLATOR CIRCUIT LEVEL	8	2	24	77	41	49	55	64	3	
H 518	M3-07 DO YOU TROUBLESHOOT TO OSCILLATOR COMPONENTS	7	2	24	69	38	35	47	53	3	
H 519	M3-08 DO YOU USE OR REFER TO FEEDBACK	8	4	26	50	42	56	55	58	3	
H 520	M3-09 DO YOU USE OR REFER TO FREQUENCY DETERMINING DEVICES	5	2	11	48	20	35	33	36	3	
FDD)											
H 521	M3-10 DO YOU USE OR REFER TO AMPLITUDE STABILITY	5	2	13	50	28	36	44	38	3	
H 522	M3-11 DO YOU USE OR REFER TO FREQUENCY STABILITY	5	3	11	56	30	38	46	44	3	
H 523	M3-12 DO YOU USE OR REFER TO DAMPING	6	2	16	46	31	40	38	43	2	
H 524	M3-13 DO YOU USE OR REFER TO REGENERATIVE FEEDBACK	7	2	20	48	38	45	44	52	2	
H 525	M3-14 DO YOU USE OR REFER TO PIEZOELECTRIC EFFECT	2	1	3	33	8	13	12	20	2	
H 526	M3-15 DO YOU USE OR REFER TO CRITICAL DAMPING	3	1	7	35	12	18	18	25	2	
H 527	M3-16 DO YOU USE OR REFER TO UNDER DAMPING	3	1	8	33	15	21	18	23	2	
H 528	M3-17 DO YOU USE OR REFER TO OVER DAMPING	3	1	8	33	15	21	18	23	2	
H 529	M3-18 DO YOU WORK WITH OSCILLATORS WHICH USE LC TANK	4	2	11	46	26	30	32	37	2	
CIRCUITS AS FDD											
H 530	M3-19 DO YOU WORK WITH OSCILLATORS WHICH USE RC NETWORKS AS	6	2	16	48	29	34	37	45	3	
FDD											
H 531	M3-20 DO YOU WORK WITH OSCILLATORS WHICH USE CRYSTALS AS	2	1	4	44	8	30	28	30	1	
FDD											
H 532	M3-21 DO YOU WORK WITH OSCILLATORS WHICH USE DOW'T REMEMBER	4	2	8	17	18	29	15	24	1	
WHICH TYPE OF FDD											
H 533	M3-22 DO YOU WORK WITH SERIES HARTLEY SIMUSOIDAL	3	1	2	35	14	16	22	22	1	
OSCILLATORS											
H 534	M3-23 DO YOU WORK WITH SHUNT HARTLEY SIMUSOIDAL OSCILLATORS	4	1	2	35	13	18	23	21	1	
H 535	M3-24 DO YOU WORK WITH COLPITTS SIMUSOIDAL OSCILLATORS	4	1	4	35	13	18	24	20	1	
H 536	M3-25 DO YOU WORK WITH CLAPP SIMUSOIDAL OSCILLATORS	2	1	1	27	4	12	6	8	1	
H 537	M3-26 DO YOU WORK WITH BUTLER SIMUSOIDAL OSCILLATORS	2	1	1	31	3	10	9	7	1	
H 538	M3-27 DO YOU WORK WITH DOW'T REMEMBER WHICH TYPE OF	6	2	12	25	27	43	31	35	0	
OSCILLATORS											
I 539	II-01 DO YOU WORK WITH MULTIVIBRATORS IN YOUR PRESENT JOB	8	3	24	81	29	54	64	70	3	
I 540	II-02 DO YOU INSPECT WAVE GENERATING OR SHAPING CIRCUITS	5	2	15	75	23	45	59	59	2	
I 541	II-03 DO YOU ALIGN OR ADJUST WAVE GENERATING OR SHAPING	4	2	13	73	21	45	59	61	2	
CIRCUITS											
I 542	II-04 DO YOU CALIBRATE WAVE GENERATING OR SHAPING CIRCUITS	3	2	11	73	19	39	47	55	2	
I 543	II-05 DO YOU TROUBLESHOOT TO WAVE GENERATING OR SHAPING	6	2	14	71	23	47	58	64	2	
CIRCUITS											
I 544	II-06 DO YOU TROUBLESHOOT TO WAVE GENERATING OR SHAPING	5	2	14	75	22	44	56	61	2	
CIRCUIT COMPONENTS											
I 545	II-07 DO YOU REMOVE OR REPLACE COMPLETE WAVE GENERATING OR	5	2	15	71	19	45	55	63	2	
SHAPING CIRCUITS											
I 546	II-08 DO YOU REMOVE OR REPLACE WAVE GENERATING OR SHAPING	4	1	15	81	22	42	59	60	2	
COMPONENTS											
I 547	II-09 DO YOU WORK WITH MULTIVIBRATORS WHICH CONTAIN LC TANK	4	1	8	46	12	31	28	35	1	
CIRCUITS											

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

Task ID	Description	SPC 610	SPC 611	SPC 612	SPC 613	SPC 614	SPC 615	SPC 616	SPC 617	SPC 618
I 548	11-10 DO YOU WORK WITH MULTIVIBRATORS WHICH CONTAIN RC NETWORKS	5	1	11	54	16	35	41	42	1
I 549	11-11 DO YOU WORK WITH MULTIVIBRATORS WHICH CONTAIN CRYSTALS	3	1	2	42	4	27	23	26	1
I 550	11-12 DO YOU WORK WITH MULTIVIBRATORS WHICH CONTAIN DOWN'T REMEMBER WHICH TYPE OF FOD	2	2	7	29	11	21	22	29	1
I 551	11-13 DO YOU WORK WITH ASTABLE MULTIVIBRATORS	4	1	11	69	15	45	45	53	1
I 552	11-14 DO YOU WORK WITH MONOSTABLE MULTIVIBRATORS	5	1	8	69	16	45	59	67	1
I 553	11-15 DO YOU WORK WITH BISTABLE MULTIVIBRATORS	6	1	19	69	17	46	58	67	2
I 554	11-16 DO YOU WORK WITH DOWN'T REMEMBER WHICH TYPE MULTIVIBRATORS	2	2	5	17	12	14	12	10	1
I 555	12-01 DO YOU WORK WITH LIMITERS OR CLAMPERS IN YOUR PRESENT JOB	14	3	29	67	49	55	69	60	10
I 556	12-02 DO YOU WORK WITH SERIES DIODE LIMITERS	4	2	24	54	39	43	56	44	6
I 557	12-03 DO YOU WORK WITH SHUNT DIODE LIMITERS	4	1	18	46	36	39	50	45	7
I 558	12-04 DO YOU WORK WITH LIMITERS WITH BIAS	5	1	16	40	30	29	42	39	5
I 559	12-05 DO YOU WORK WITH ZENER DIODE LIMITERS	6	2	19	54	31	44	56	50	7
I 560	12-06 DO YOU WORK WITH TRANSISTOR LIMITERS	6	1	18	50	21	37	50	47	6
I 561	12-07 DO YOU WORK WITH DOWN'T KNOW WHICH TYPE OF LIMITERS	9	2	7	21	17	18	15	19	6
I 562	12-08 DO YOU WORK WITH BASIC DIODE CLAMPING CIRCUITS	6	2	12	46	28	33	42	39	2
I 563	12-09 DO YOU WORK WITH DIODE CLAMPING CIRCUITS WITH BIAS	5	2	9	44	24	30	36	37	2
I 564	12-10 DO YOU WORK WITH DOWN'T KNOW WHICH TYPE OF CLAMPING CIRCUIT	8	2	8	27	15	24	24	24	4
I 565	13-01 IN YOUR PRESENT JOB, DO YOU WORK ON EQUIPMENT WHICH CONTAINS ELECTRON TUBES	50	16	44	96	96	31	86	33	11
I 566	13-02 DO YOU CHECK ELECTRON TUBES TO SEE IF THEY ARE GOOD	52	14	44	94	94	25	83	33	11
I 567	13-03 DO YOU USE TUBE TESTERS TO CHECK ELECTRON TUBES	51	13	45	94	93	18	82	19	11
I 568	13-04 DO YOU USE MULTIMETERS TO CHECK ELECTRON TUBES	17	7	29	50	52	18	40	27	9
I 569	13-05 DO YOU USE SCOPES TO CHECK ELECTRON TUBES	7	3	17	77	51	18	56	28	4
I 570	13-06 DO YOU USE SUPSTITUTION TO CHECK ELECTRON TUBES	42	11	41	94	84	23	74	26	7
I 571	13-07 DO YOU USE OR REFER TO CUTOFF	9	4	17	60	51	10	59	20	5
I 572	13-08 DO YOU USE OR REFER TO PEAK INVERSE VOLTAGE RATING	4	2	11	42	26	9	26	14	5
I 573	13-09 DO YOU USE OR REFER TO PEAK CURRENT RATING	7	3	8	48	26	11	24	15	5
I 574	13-10 DO YOU USE OR REFER TO TRANSIT TIME	3	3	4	31	17	4	12	13	4
I 575	13-11 DO YOU USE OR REFER TO PLATE DISSIPATION RATING	5	3	7	42	20	6	17	12	4
I 576	13-12 DO YOU USE OR REFER TO SATURATION	10	4	31	58	66	15	60	28	5
I 577	13-13 DO YOU USE OR REFER TO DC PLATE RESISTANCE	5	3	14	46	30	6	23	17	5
I 578	13-14 DO YOU COMPUTE ACTUAL VALUES OF THE DC PLATE RESISTANCE FOR ELECTRON TUBES	1	1	5	10	10	3	12	4	3
I 579	13-15 DO YOU USE OR REFER TO PLATE VOLTAGE	26	6	33	83	81	16	67	28	8
I 580	13-16 DO YOU USE OR REFER TO PLATE CURRENT	19	6	20	65	58	10	47	25	8
I 581	13-17 DO YOU USE OR REFER TO GRID VOLTAGE	25	6	31	83	75	16	63	31	8
I 582	13-18 DO YOU USE OR REFER TO GRID CURRENT	20	5	19	67	55	9	47	27	8
I 583	13-19 DO YOU USE OR REFER TO CATHODE VOLTAGE	22	6	32	81	75	18	64	30	7
I 584	13-20 DO YOU USE OR REFER TO CATHODE CURRENT	17	5	20	67	55	10	47	28	7
I 585	13-21 DO YOU USE OR REFER TO THE TRIODE AMPLIFICATION FACTOR (THE AMPLIFICATION FACTOR FOR TRIODES IS DEFINED AS THE RATIO OF CHANGE IN PLATE VOLTAGE TO A CHANGE IN GRID VOLTAGE)	1	1	8	31	23	6	22	4	3

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	610	611	612	613	614	615	616	617	618	619	618
DY-ISM											
I 586 13-22 DO YOU CALCULATE ACTUAL VALUES OF TRIODE AMPLIFICATION FACTORS	0	1	4	13	13	5	8	2	2		
I 587 13-23 DO YOU USE OR REFER TO MULTIHYBRID (TETRODE, PENTODE, ETC) AMPLIFICATION FACTORS	4	1	7	44	22	8	19	6	3		
I 588 13-24 DO YOU USE OR REFER TO ELECTRON TUBE TRANSCONDUCTANCE (6, WHICH IS MEASURED IN MHOS)	1	1	6	19	10	3	5	3	3		
I 589 13-25 DO YOU CALCULATE ACTUAL VALUES OF ELECTRON TUBE TRANSCONDUCTANCES	0	1	4	17	8	3	5	3	3		
I 590 13-26 DO YOU USE OR REFER TO THE ELECTRON TUBE PARAMETER CALLED AC PLATE RESISTANCE	1	1	5	23	18	4	12	4	3		
I 591 13-27 DO YOU CALCULATE ACTUAL VALUES OF AC PLATE RESISTANCE	1	1	4	17	11	3	8	4	3		
I 592 13-28 DO YOU USE OR REFER TO ELECTRON TUBE INTERELECTRODE CAPACITANCE	1	1	8	29	25	4	13	4	3		
I 593 13-29 DO YOU USE OR REFER TO CHARACTERISTIC CURVES IN YOUR WORK WITH ELECTRON TUBES	0	1	4	23	18	5	12	6	3		
I 594 13-30 DO YOU USE CHARACTERISTIC CURVES TO SELECT PLATE VOLTAGE FOR A SPECIFIED BIAS	1	1	6	17	9	8	12	7	4		
I 595 13-31 DO YOU USE CHARACTERISTIC CURVES TO SELECT PLATE CURRENT FOR A SPECIFIED BIAS	1	1	5	17	8	7	10	7	4		
I 596 13-32 DO YOU USE CHARACTERISTIC CURVES TO SELECT BIAS REQUIRED FOR CUTOFF	2	1	7	19	14	8	12	10	3		
I 597 13-33 DO YOU USE CHARACTERISTIC CURVES TO SELECT BIAS REQUIRED FOR SATURATION	1	1	7	19	14	8	12	9	3		
I 598 13-34 DO YOU USE OR REFER TO ELECTRON TUBE AMPLIFIER GAIN	12	4	29	54	75	13	53	18	6		
I 599 13-35 DO YOU USE OR REFER TO ELECTRON TUBE AMPLIFIER EFFICIENCY	7	3	14	44	36	8	36	13	5		
I 600 13-36 DO YOU USE TEST TUBE CHECKERS TO DETERMINE ELECTRON TUBE AMPLIFIER GAIN	23	8	23	60	65	10	53	11	7		
I 601 13-37 DO YOU USE MULTIMETERS TO DETERMINE ELECTRON TUBE AMPLIFIER GAIN	10	3	24	44	57	15	31	12	6		
I 602 13-38 DO YOU USE OSCILLOSCOPES TO DETERMINE ELECTRON TUBE AMPLIFIER GAIN	4	2	12	65	59	12	46	20	4		
I 603 13-39 DO YOU USE CHARACTERISTIC CURVES TO DETERMINE ELECTRON TUBE AMPLIFIER GAIN	0	1	3	17	14	5	15	10	3		
I 604 13-40 DO YOU CALCULATE ANY ELECTRON TUBE CAPACITANCES SUCH AS INPUT CAPACITANCE	0	1	2	15	9	3	5	3	3		
I 605 13-41 DO YOU USE OR REFER TO TUBE SOCKET NOTATION	31	8	38	92	89	21	72	24	5		
I 606 13-42 DO YOU USE OR REFER TO PIN NUMBERING SYSTEMS	34	9	39	96	94	21	77	29	6		
I 607 13-43 DO YOU USE OR REFER TO THE TYPE OF MATERIAL OR THE OPERATING TEMPERATURE OF THE EMITTING SURFACE IN THE ELECTRON TUBES YOU WORK ON	2	1	2	19	10	3	12	7	4		
I 608 13-44 DO YOU USE OR REFER TO TUBE SUBSTITUTION MATERIAL SUCH AS MANUALS OR CHARTS	26	5	26	77	49	14	68	17	5		
J 609 J1-01 DO YOU WORK WITH ELECTRON TUBE AMPLIFIERS ON CIRCUITS IN YOUR PRESENT JOB	33	7	37	85	94	17	83	17	2		
J 610 J1-02 DO YOU DETERMINE THE CLASS OF OPERATION FOR ELECTRON TUBE AMPLIFIERS IN ORDER TO TROUBLESHOOT AMPLIFIER CIRCUITS	9	1	15	52	29	7	38	8	2		

PC1 MEMRS RESPONDING 'YES' BY DAFSC GROUPS
 TASK GROUP SUMMARY
 PERCENT MEMBERS PERFORMING

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AF HUMAN RESOURCES LABORATORY
 AIR FORCE SYSTEMS COMMAND

DY-1SK

SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
610	611	612	613	614	615	616	617	618	619	620	621
9	1	7	42	47	7	33	6	2			
19	2	22	56	66	8	55	10	2			
11	1	12	35	42	6	40	9	2			
8	1	14	35	42	8	49	10	1			
20	4	16	44	41	7	28	8	1			
19	4	26	60	70	9	67	14	4			
12	4	12	90	49	34	85	43	5			
2	1	6	21	17	7	29	12	1			
2	1	8	23	30	6	36	15	1			
0	1	3	17	27	3	21	8	2			
1	1	5	23	38	3	22	8	3			
2	1	4	60	27	26	62	36	3			
1	1	2	52	28	23	68	39	3			
1	1	2	56	21	21	56	32	3			
4	2	7	54	27	22	68	37	2			
0	1	1	27	14	14	40	25	2			
0	1	1	23	9	12	51	30	1			
1	1	1	21	20	22	58	31	1			
2	1	1	19	15	14	37	29	2			
3	1	2	36	17	16	37	23	2			
3	1	1	40	18	18	53	32	2			
1	2	2	21	12	15	13	13	1			
1	1	0	17	4	5	9	9	1			
1	1	0	10	3	4	10	6	1			
1	1	0	2	2	2	6	2	1			
1	0	0	4	4	4	10	5	1			
0	0	0	10	3	3	4	5	0			
1	0	0	10	2	3	5	4	0			
1	0	0	10	2	2	4	3	0			

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	610	611	612	613	614	615	616	617	618		
DY-ISM											
K 642 K1-05 DO YOU TROUBLESHOOT TO AM TRANSMIT OR RECEIVE SYSTEMS	1	0	0	10	2	3	5	4	0		
K 643 K1-06 DO YOU TROUBLESHOOT TO AM TRANSMIT OR RECEIVE	1	0	0	10	2	3	4	4	0		
COMPONENTS											
K 644 K1-07 DO YOU REMOVE OR REPLACE AM TRANSMIT OR RECEIVE	1	0	0	10	2	3	4	4	1		
SYSTEMS											
K 645 K1-08 DO YOU REMOVE OR REPLACE AM TRANSMIT OR RECEIVE	1	0	0	10	2	3	4	4	1		
COMPONENTS											
K 646 K1-09 DO YOU PERFORM TASKS ON RF OSCILLATORS	1	0	0	2	0	2	5	3	0		
K 647 K1-10 DO YOU PERFORM TASKS ON RF AMPLIFIERS	1	0	0	2	1	2	5	3	0		
K 648 K1-11 DO YOU PERFORM TASKS ON AUDIO AMPLIFIERS	1	0	0	6	1	3	4	3	0		
K 649 K1-12 DO YOU PERFORM TASKS ON POWER AMPLIFIERS	1	0	0	4	1	3	4	3	0		
K 650 K1-13 DO YOU PERFORM TASKS ON LOCAL OSCILLATORS	1	0	0	2	0	3	4	3	0		
K 651 K1-14 DO YOU PERFORM TASKS ON IF AMPLIFIERS	1	0	0	2	0	3	4	2	0		
K 652 K1-15 DO YOU PERFORM TASKS ON DETECTORS	1	0	0	0	0	3	4	3	0		
K 653 K1-16 DO YOU PERFORM TASKS ON DON'T I REMEMBER WHICH AM STAGE	0	0	0	0	0	1	3	3	0		
K 654 K1-17 DO YOU USE OR REFER TO AMPLITUDE STABILIZATION IN	0	0	0	0	1	2	4	1	0		
TRANSMITTERS											
K 655 K1-18 DO YOU USE OR REFER TO FREQUENCY STABILIZATION IN	0	0	0	0	1	2	4	2	0		
TRANSMITTERS											
K 656 K1-19 DO YOU USE OR REFER TO SENSITIVITY OF RECEIVERS	1	0	0	2	0	3	4	3	0		
K 657 K1-20 DO YOU USE OR REFER TO SELECTIVITY OF RECEIVERS	1	0	0	2	0	3	3	3	0		
K 658 K1-21 DO YOU USE OR REFER TO 2ND HARMONIC DISTORTION	1	0	0	0	0	2	3	2	0		
K 659 K1-22 DO YOU USE OR REFER TO BANDPASS DISTORTION	1	0	0	0	0	2	3	3	0		
K 660 K1-23 DO YOU USE OR REFER TO SQUARE LAW DISTORTION	1	0	0	0	0	1	3	1	0		
K 661 K1-24 DO YOU USE OR REFER TO CO-CHANNEL INTERFERENCE	1	0	0	0	0	2	3	2	0		
K 662 K1-25 DO YOU USE OR REFER TO IMAGE FREQUENCIES IN RECEIVERS	1	0	0	0	0	1	1	1	0		
K 663 K1-26 DO YOU USE OR REFER TO SIGNAL TO IMAGE RATIOS OR	1	0	0	0	0	1	3	1	0		
IMAGE REJECTION RATIOS											
K 664 K1-27 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH AM	0	0	0	4	2	1	4	4	0		
TRANSMITTER SCHEMATIC DIAGRAMS											
K 665 K1-28 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH AM	0	0	0	4	1	3	4	3	0		
RECEIVER SCHEMATIC DIAGRAMS											
K 666 K2-01 DO YOU WORK WITH FM TRANSMIT OR RECEIVE SYSTEMS IN	0	1	0	13	2	1	4	7	0		
YOUR PRESENT JOB											
K 667 K2-02 DO YOU INSPECT FM TRANSMIT OR RECEIVE SYSTEMS	0	0	0	13	1	1	4	4	0		
K 668 K2-03 DO YOU CLEAN FM TRANSMIT OR RECEIVE SYSTEMS	0	0	0	13	1	1	4	3	0		
K 669 K2-04 DO YOU ALIGN FM TRANSMIT OR RECEIVE SYSTEMS	0	0	0	10	1	1	4	4	0		
K 670 K2-05 DO YOU TROUBLESHOOT TO FM TRANSMIT OR RECEIVE	0	1	0	13	1	1	4	5	0		
SYSTEMS											
K 671 K2-06 DO YOU TROUBLESHOOT TO FM TRANSMIT OR RECEIVE	0	1	0	13	1	1	4	4	0		
COMPONENTS											
K 672 K2-07 DO YOU REMOVE OR REPLACE FM TRANSMIT OR RECEIVE	0	0	0	8	1	1	4	4	0		
SYSTEMS											
K 673 K2-08 DO YOU REMOVE OR REPLACE FM TRANSMIT OR RECEIVE	0	0	0	8	1	1	4	3	0		
COMPONENTS											
K 674 K2-09 DO YOU PERFORM TASKS ON AUDIO AMPLIFIERS	0	0	0	13	1	1	4	7	0		
K 675 K2-10 DO YOU PERFORM TASKS ON FREQUENCY MULTIPLIERS	0	0	0	10	0	1	4	4	0		

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

Task Description	SPC 610	SPC 611	SPC 612	SPC 613	SPC 614	SPC 615	SPC 616	SPC 617	SPC 618
K 676 K2-11 DO YOU PERFORM TASKS ON DRIVERS (INTERMEDIATE AMPLIFIERS)	0	0	0	4	0	1	4	5	0
K 677 K2-12 DO YOU PERFORM TASKS ON POWER AMPLIFIERS	0	0	0	10	0	1	4	7	0
K 678 K2-13 DO YOU PERFORM TASKS ON RF AMPLIFIERS	0	0	0	6	0	1	4	5	0
K 679 K2-14 DO YOU PERFORM TASKS ON FREQUENCY CONVERTERS	0	0	0	13	0	1	4	5	0
K 680 K2-15 DO YOU PERFORM TASKS ON IF AMPLIFIERS	0	0	0	4	0	1	4	5	0
K 681 K2-16 DO YOU PERFORM TASKS ON LIMITERS	0	0	0	4	0	1	4	4	1
K 682 K2-17 DO YOU PERFORM TASKS ON FREQUENCY DISCRIMINATORS	0	0	0	4	0	1	4	4	0
K 683 K2-18 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH SCHEMATIC DIAGRAMS OF FM TRANSMITTERS	0	0	0	6	1	1	3	5	0
K 684 K2-19 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH SCHEMATIC DIAGRAMS OF FM RECEIVERS	0	1	0	6	0	1	3	6	0
K 685 K3-01 DO YOU CONVERT DECIMAL (BASE 10) NUMBERS TO OCTAL (BASE 8) NUMBERS	4	5	9	52	9	87	29	05	3
K 686 K3-02 DO YOU CONVERT DECIMAL NUMBERS TO BINARY (BASE 2) NUMBERS	7	14	13	73	10	87	33	89	4
K 687 K3-03 DO YOU CONVERT OCTAL NUMBERS TO DECIMAL NUMBERS	5	3	8	52	9	87	26	88	2
K 688 K3-04 DO YOU CONVERT OCTAL NUMBERS TO BINARY NUMBERS	4	4	7	50	8	87	27	90	2
K 689 K3-05 DO YOU CONVERT BINARY NUMBERS TO DECIMAL NUMBERS	8	12	13	65	10	89	31	91	3
K 690 K3-06 DO YOU CONVERT BINARY NUMBERS TO OCTAL NUMBERS	4	3	7	52	8	88	27	90	1
K 691 K3-07 DO YOU ADD BINARY NUMBERS TO GET A SUM	8	10	12	58	8	81	28	85	3
K 692 K3-08 DO YOU SUBTRACT BINARY NUMBERS USING THE END-AROUND-CARRY METHOD	4	3	8	50	8	69	23	68	3
K 693 K3-09 DO YOU SUBTRACT BINARY NUMBERS USING THE DIRECT SUBTRACTION METHOD	5	7	10	50	8	75	26	76	3
K 694 K3-10 DO YOU ADD OCTAL NUMBERS TO GET A SUM	3	2	8	48	8	80	29	79	2
L 695 L1-01 IM YOUR PRESENT JOB, DO YOU PERFORM ANY TASKS RELATING TO LOGIC FUNCTIONS	10	8	11	75	15	79	46	82	1
L 696 L1-02 DO YOU CONSTRUCT TRUTH TABLES FOR AND LOGIC SYMBOLS OR GATES	5	2	7	52	9	50	29	59	1
L 697 L1-03 DO YOU CONSTRUCT TRUTH TABLES FOR OR LOGIC SYMBOLS OR GATES	5	2	7	52	9	51	29	59	0
L 698 L1-04 DO YOU CONSTRUCT TRUTH TABLES FOR AND OR OR LOGIC SYMBOLS WITH STATE INDICATORS	4	2	7	52	8	47	28	57	0
L 699 L1-05 DO YOU CONSTRUCT TRUTH TABLES FOR EXCLUSIVE OR LOGIC SYMBOLS OR GATES	2	2	7	52	7	48	28	57	0
L 700 L1-06 DO YOU USE OR REFER TO TRUTH TABLES FOR AND LOGIC SYMBOLS OR GATES	5	3	8	58	10	62	37	65	0
L 701 K1-07 DO YOU USE OR REFER TO TRUTH TABLES FOR OR LOGIC SYMBOLS OR GATES	5	3	8	58	10	63	38	65	0
L 702 K1-08 DO YOU USE OR REFER TO TRUTH TABLES FOR AND OR OR LOGIC SYMBOLS WITH STATE INDICATORS	3	3	7	56	9	57	32	62	0
L 703 L1-09 DO YOU USE OR REFER TO TRUTH TABLES FOR EXCLUSIVE OR LOGIC SYMBOLS	3	3	7	58	9	58	37	62	0
L 704 L1-10 DO YOU USE OR REFER TO LOGIC SYMBOLS FOR AND GATES	8	7	11	73	10	77	44	79	1
L 705 L1-11 DO YOU USE OR REFER TO LOGIC SYMBOLS FOR OR GATES	8	6	11	73	10	79	44	80	1
L 706 L1-12 DO YOU USE OR REFER TO LOGIC SYMBOLS FOR NAND OR NOR GATES	8	6	11	73	10	78	38	80	0

DY-15K

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

Task Description	SPC 610	SPC 611	SPC 612	SPC 613	SPC 614	SPC 615	SPC 616	SPC 617	SPC 618
L 707 L1-13 DO YOU USE OR REFER TO LOGIC SYMBOLS FOR EXCLUSIVE OR GATES	7	5	11	73	10	74	37	76	1
L 708 L2-01 IN YOUR PRESENT JOB, DO YOU PERFORM ANY TASKS RELATING TO BOOLEAN EQUATIONS, LOGIC DIAGRAMS, OR LOGIC CIRCUITS	3	3	7	44	5	61	26	60	0
L 709 L2-02 DO YOU DRAW LOGIC SYMBOLS FOR DIRECT COUPLED TRANSISTOR LOGIC (DCTL) CIRCUITS	0	1	2	33	5	24	13	26	0
L 710 L2-03 DO YOU CONSTRUCT TRUTH TABLES FOR CURRENT MODE LOGIC (CML) CIRCUITS	0	1	3	27	4	25	9	26	0
L 711 L2-04 DO YOU DRAW LOGIC DIAGRAMS FROM GIVEN BOOLEAN EQUATIONS	0	1	3	35	6	39	14	36	0
L 712 L2-05 DO YOU MEASURE INPUTS OR OUTPUTS OF LOGIC GATES	2	2	8	50	7	70	32	67	0
L 713 L2-06 DO YOU DEVELOP OR ANALYZE BOOLEAN EQUATIONS IN THE PROCESS OF TROUBLESHOOTING DIGITAL CIRCUITS	0	0	6	35	6	51	22	57	0
L 714 L2-07 DO YOU ANALYZE LOGIC CIRCUITS BY USING BOOLEAN ALGEBRA	2	1	3	35	5	46	23	56	0
L 715 L2-08 DO YOU USE OR REFER TO LOGIC SYMBOLS FOR DIRECT COUPLED TRANSISTOR LOGIC (DCTL) CIRCUIT GATES	1	1	5	33	5	41	17	34	0
L 716 L2-09 DO YOU USE OR REFER TO TRUTH TABLES FOR CURRENT MODE LOGIC (CML) CIRCUITS	0	0	5	27	4	29	12	30	0
L 717 L2-10 DO YOU USE OR REFER TO LOGIC DIAGRAMS CONSISTING OF MORE THAN ONE GATE	3	2	7	52	6	66	29	65	0
L 718 L2-11 DO YOU COMPUTE SUM AND CARRY EXPRESSIONS FOR SERIAL HALF OR FULL ADDER LOGIC DIAGRAMS	0	0	4	42	4	49	17	46	0
L 719 L2-12 DO YOU TRACE DATA FLOW THROUGH PARALLEL FULL ADDER LOGIC DIAGRAMS	1	1	4	46	5	56	22	53	0
L 720 L2-13 DO YOU WORK WITH ASTABLE (FREE RUNNING) MULTIVIBRATORS	2	1	5	56	6	61	26	51	0
L 721 L2-14 DO YOU WORK WITH BISTABLE (FLIP-FLOP) MULTIVIBRATORS	3	2	8	56	7	66	31	65	0
L 722 L2-15 DO YOU WORK WITH MONOSTABLE (ONE-SHOT) MULTIVIBRATORS	2	1	7	56	7	64	31	64	0
L 723 L2-16 DO YOU USE OR REFER TO FLIP-FLOP MULTIVIBRATOR SYMBOLS	2	2	8	52	5	66	31	65	0
L 724 L2-17 DO YOU USE OR REFER TO SINGLE-SHOT MULTIVIBRATOR SYMBOLS	2	1	7	52	5	61	28	63	0
L 725 L2-18 DO YOU USE OR REFER TO FLIP-FLOP CIRCUIT DIAGRAMS	2	2	8	52	6	73	28	67	0
L 726 L2-19 DO YOU USE OR REFER TO FLIP-FLOP TRUTH TABLES	2	1	8	44	5	56	26	56	0
L 727 L2-20 DO YOU USE OR REFER TO COMPLEMENTED FLIP-FLOP LOGIC SYMBOLS	1	1	6	42	5	65	26	54	0
L 728 L2-21 DO YOU USE OR REFER TO COMPLEMENTING FLIP-FLOP LOGIC SYMBOLS	1	1	4	42	5	63	26	54	0
L 729 L2-22 DO YOU MEASURE OUTPUT WAVESHAPES OF LOGIC CIRCUITS	1	1	8	52	5	66	29	68	0
L 730 L2-23 DO YOU TRACE DATA FLOW THROUGH COMPLEMENTED FLIP-FLOP SCHEMATIC DIAGRAMS	1	1	7	44	6	63	26	62	0
L 731 L2-24 DO YOU TRACE DATA FLOW THROUGH COMPLEMENTING FLIP-FLOP SCHEMATIC DIAGRAMS	1	1	6	44	6	60	26	61	0
L 732 L2-25 DO YOU CONSTRUCT TRUTH TABLES FOR J-K FLIP-FLOP LOGIC SYMBOLS	0	1	5	40	4	41	19	43	0

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	610	611	612	613	614	615	616	617	618		
DY-ISK											
L 733 L3-01 DO YOU WORK WITH DIGITAL COUNTERS IN YOUR PRESENT JOB	8	16	12	60	8	80	32	75	5		
L 734 L3-02 DO YOU USE OR REFER TO UP-COUNTERS	3	6	11	54	8	75	35	75	3		
L 735 L3-03 DO YOU USE OR REFER TO DOWN-COUNTERS	3	5	10	54	8	75	33	75	3		
L 736 L3-04 DO YOU USE OR REFER TO SERIAL COUNTERS	3	4	7	48	6	67	29	63	0		
L 737 L3-05 DO YOU USE OR REFER TO PARALLEL COUNTERS	1	3	7	52	5	66	28	64	1		
L 738 L3-06 DO YOU USE OR REFER TO RING COUNTERS	2	2	3	38	3	42	19	39	1		
L 739 L3-07 DO YOU USE OR REFER TO DECADE COUNTERS	2	5	7	48	6	57	31	64	1		
L 740 L3-08 DO YOU USE OR REFER TO COUNT DETECT CIRCUITS	2	4	7	33	5	50	28	52	1		
L 741 L3-09 DO YOU USE OR REFER TO DOWN CLOCKS	2	2	8	54	7	75	29	64	1		
L 742 L3-10 DO YOU USE OR REFER TO UP CLOCKS	2	3	9	56	7	75	29	63	1		
L 743 L3-11 DO YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF UP-COUNTERS HAVING COMPLEMENTED FLIP-FLOPS	1	2	7	42	5	65	31	55	1		
L 744 L3-12 DO YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF SERIAL UP- OR DOWN-COUNTERS HAVING COMPLEMENTING FLIP-FLOPS	1	2	7	35	3	62	28	52	1		
L 745 L3-13 DO YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF DECADE COUNTERS	1	2	6	42	3	55	28	52	0		
L 746 L3-14 DO YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF RING COUNTERS	1	1	2	31	2	40	18	30	1		
L 747 L3-15 DO YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF SERIAL UP-COUNTERS FEEDING A PARALLEL STORAGE REGISTER	0	1	6	44	4	56	24	51	0		
L 748 L3-16 DO YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF SHIFT REGISTERS	1	1	7	48	5	71	28	58	0		
L 749 L3-17 DO YOU TRACE DATA FLOW THROUGH LOGIC DIAGRAMS OF OTHER TYPE OF COUNTERS	3	4	4	42	3	57	24	51	1		
L 750 L3-18 DO YOU COMPUTE THE BINARY COUNT AFTER SPECIFIC INPUT PULSES FOR UP-COUNTERS HAVING COMPLEMENTED FLIP-FLOPS	0	1	6	35	4	53	21	37	0		
L 751 L3-19 DO YOU COMPUTE THE BINARY COUNT AFTER SPECIFIC INPUT PULSES FOR SERIAL UP- OR DOWN-COUNTERS HAVING COMPLEMENTING FLIP-FLOPS	0	1	5	33	4	51	21	37	0		
L 752 L3-20 DO YOU COMPUTE THE BINARY COUNT AFTER SPECIFIC INPUT PULSES FOR SERIAL UP-COUNTERS FEEDING A PARALLEL STORAGE REGISTER	1	2	5	40	3	52	19	38	0		
L 753 L3-21 DO YOU COMPUTE THE BINARY COUNT AFTER SPECIFIC INPUT PULSES FOR OTHER TYPES OF COUNTERS	2	3	6	40	2	49	18	34	1		
L 754 L3-22 DO YOU CONSTRUCT TRUTH TABLES FROM LOGIC DIAGRAMS OF DECADE COUNTERS	0	1	4	38	2	27	12	30	0		
L 755 L3-23 DO YOU DETERMINE THE STATE OF EACH FLIP-FLOP IN RING COUNTERS FOR SPECIFIC INPUT PULSES	1	1	2	35	2	34	15	32	1		
L 756 L3-24 DO YOU DETERMINE THE APPROPRIATE AND GATE NECESSARY IN COUNT DETECT CIRCUITS TO INDICATE A REQUESTED COUNT	0	2	5	40	3	40	24	40	1		
M 757 MI-01 DO YOU WORK WITH SAWTOOTH WAVE GENERATORS	6	3	8	83	24	60	76	78	7		
M 758 MI-02 DO YOU WORK WITH TRAPEZOIDAL WAVE GENERATORS	3	2	3	54	6	32	46	44	3		
M 759 MI-03 DO YOU WORK WITH PULSED OSCILLATORS WITH REGENERATIVE FEEDBACK	5	2	7	65	15	44	46	54	3		
M 760 MI-04 DO YOU WORK WITH PULSED OSCILLATORS WITHOUT REGENERATIVE FEEDBACK	3	2	7	56	12	42	45	53	2		

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

Task	Group	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	
		610	611	612	613	614	615	616	617	618										
DY-TSM																				
M 761	M1-05	DO YOU WORK WITH BLOCKING OSCILLATORS	3	1	3	71	10	37	42	40	3									
M 762	M1-06	DO YOU USE OR REFER TO RISE TIME	4	3	3	67	15	50	64	67	2									
M 763	M1-07	DO YOU USE OR REFER TO FALL OR FLYBACK TIME	3	3	4	63	13	44	64	64	1									
M 764	M1-08	DO YOU USE OR REFER TO SLEEP TIME	5	9	7	83	22	57	78	80	6									
M 765	M1-09	DO YOU USE OR REFER TO ELECTRICAL LENGTH OF SAWTOOTH	4	4	7	77	19	50	71	65	7									
WAVEFORMS																				
M 766	M1-10	DO YOU USE OR REFER TO PHYSICAL LENGTH OF SAWTOOTH	4	2	7	79	18	47	73	71	7									
WAVEFORMS																				
M 767	M1-11	DO YOU USE OR REFER TO LINEAR SLOPE OF SAWTOOTH	3	2	7	75	18	44	72	60	4									
WAVEFORMS																				
M 768	M1-12	DO YOU USE OR REFER TO GATE LENGTH OF SAWTOOTH	3	2	6	65	16	45	69	64	3									
WAVEFORMS																				
M 769	M2-01	DO YOU USE SIGNAL GENERATORS IN YOUR PRESENT JOB	15	10	12	58	16	45	55	45	14									
M 770	M2-02	DO YOU PERFORM OPERATIONAL CHECKS WHILE USING SIGNAL	15	9	11	56	15	35	50	43	15									
GENERATORS																				
M 771	M2-03	DO YOU PERFORM PERIODIC MAINTENANCE SUCH AS ADJUSTING, ALIGNING, OR CALIBRATING WHILE USING SIGNAL	11	7	10	56	15	33	50	39	9									
GENERATORS																				
M 772	M2-04	DO YOU TROUBLESHOOT TO AN ASSEMBLY OR SUBASSEMBLY WHILE USING SIGNAL GENERATORS	13	7	10	52	14	35	42	38	13									
M 773	M2-05	DO YOU TROUBLESHOOT TO THE SMALLEST REPLACEABLE COMPONENT WHILE USING SIGNAL GENERATORS	7	3	10	46	13	27	36	27	8									
M 774	M2-06	DO YOU USE AUDIO SINE-WAVE GENERATORS	8	5	8	38	11	32	40	30	5									
M 775	M2-07	DO YOU USE AUDIO NON-SINUSOIDAL WAVE GENERATORS SUCH AS SQUARE WAVE, TRIANGLE, PULSE, OR SPIKE	4	3	7	33	9	24	41	33	4									
M 776	M2-08	DO YOU USE PF GENERATORS LESS THAN 1,000 MH	4	3	2	25	5	12	19	26	3									
M 777	M2-09	DO YOU USE OF GENERATORS GREATER THAN 1,000 MH	3	2	0	17	2	9	8	20	3									
M 778	M2-10	DO YOU USE OTHER SPECIAL PURPOSE OR MULTI-FUNCTION GENERATORS	9	5	7	31	8	23	40	31	8									
GENERATORS																				
M 779	M3-01	IN YOUR PRESENT JOB, DO YOU PERFORM ANY TASKS DEALING WITH ALTERNATING CURRENT OR DIRECT CURRENT MOTORS OR GENERATORS	52	44	45	85	95	71	82	67	87									
GENERATORS																				
M 780	M3-02	DO YOU INSPECT MOTORS	49	24	44	92	92	67	83	66	74									
M 781	M3-03	DO YOU CLEAN OR LUBRICATE MOTORS	41	14	44	92	89	65	79	65	57									
M 782	M3-04	DO YOU OPERATE MOTORS	47	25	41	85	86	63	81	55	75									
M 783	M3-05	DO YOU REMOVE OR REPLACE COMPLETE MOTORS	50	26	41	90	94	66	85	66	68									
M 784	M3-06	DO YOU REMOVE OR REPLACE MOTOR PARTS	27	7	33	60	60	39	58	36	54									
M 785	M3-07	DO YOU TROUBLESHOOT AS FAR AS CHECKING WIRE CONNECTIONS OF MOTORS	43	31	45	90	95	67	81	66	82									
CONNECTIONS OF MOTORS																				
M 786	M3-08	DO YOU TROUBLESHOOT DOWN TO COMPONENT PARTS OF MOTORS	21	8	30	56	53	32	50	31	59									
M 787	M3-09	DO YOU PERFORM ANY TASKS ON FIELD COILS	7	5	14	35	24	18	27	18	42									
M 788	M3-10	DO YOU PERFORM ANY TASKS ON ARMATURES	17	5	26	44	38	24	36	22	47									
M 789	M3-11	DO YOU PERFORM ANY TASKS ON ROTORS	12	5	24	42	37	26	41	24	45									
M 790	M3-12	DO YOU PERFORM ANY TASKS ON BRUSHES	34	6	37	40	57	34	59	35	58									
M 791	M3-13	DO YOU PERFORM ANY TASKS ON SLIP RINGS	11	5	28	40	44	27	46	27	47									
M 792	M3-14	DO YOU PERFORM ANY TASKS ON COMMUTATORS	16	5	33	35	44	24	47	22	49									
M 793	M3-15	DO YOU PERFORM ANY TASKS ON POLE PIECES	6	4	17	29	27	19	27	20	39									

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DY-ISM

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	610	611	612	613	614	615	616	617	618	619	618
M 794 M3-16 DO YOU DETERMINE OR MEASURE THE MAGNITUDE OF THE FORCE OR TORQUE CREATED BY A MOTOR	28	5	4	4	16	9	13	13	16		
M 795 M3-17 DO YOU DETERMINE OR MEASURE THE DIRECTION OF THE MECHANICAL FORCE OR TORQUE CREATED BY A MOTOR	31	4	10	17	31	14	19	21	20		
M 796 M3-18 DO YOU DETERMINE OR MEASURE THE MAGNITUDE OR DIRECTION OF THE INDUCED VOLTAGE IN MOTORS	17	5	8	13	25	10	21	16	21		
M 797 M3-19 DO YOU WORK WITH SYNCHRONOUS MOTORS	28	30	32	57	68	50	67	52	28		
M 798 M3-20 DO YOU WORK WITH INDUCTION MOTORS	23	23	33	46	69	44	59	40	40		
M 799 M3-21 DO YOU WORK WITH SPLIT-PHASE MOTORS	17	10	24	31	55	30	44	34	39		
M 800 M3-22 DO YOU WORK WITH SOME COMBINATION OF THE ABOVE MOTORS	34	20	32	48	65	47	71	46	51		
M 801 M3-23 DO YOU INSPECT GENERATORS	29	32	40	25	89	55	72	51	86		
M 802 M3-24 DO YOU CLEAN OR LUBRICATE GENERATORS	22	14	39	19	81	50	67	50	61		
M 803 M3-25 DO YOU OPERATE GENERATORS	27	22	38	23	80	52	69	43	82		
M 804 M3-26 DO YOU REMOVE OR REPLACE COMPLETE GENERATORS	25	34	40	25	88	52	69	44	64		
M 805 M3-27 DO YOU REMOVE OR REPLACE GENERATOR PARTS	12	5	33	23	58	31	45	28	62		
M 806 M3-28 DO YOU TROUBLESHOOT AS FAR AS CHECKING WIRE CONNECTIONS OF GENERATORS	26	37	40	25	89	59	73	50	86		
M 807 M3-29 DO YOU TROUBLESHOOT DOWN TO COMPONENT PARTS OF GENERATORS	8	5	27	21	50	27	36	24	65		
M 808 M1-01 DO YOU WORK WITH METERS IN YOUR PRESENT JOB	80	79	40	85	87	83	81	86	84		
M 809 M1-02 DO YOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF PERMANENT MAGNETS	12	30	9	33	20	22	22	21	28		
M 810 M1-03 DO YOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF MOVING COILS	13	32	10	35	21	24	23	29	29		
M 811 M1-04 DO YOU CONCEPTUALIZE OR CONSIDER THE FUNCTIONS OF SPIRAL SPRINGS	12	29	10	40	21	21	19	23	21		
M 812 M1-05 DO YOU READ METER SCALES	82	85	43	90	88	86	85	86	90		
M 813 M1-06 DO YOU EXTEND THE RANGE OF AMMETERS	25	26	15	44	36	34	32	47	40		
M 814 M1-07 DO YOU ZERO OHMMETERS	80	84	41	90	86	85	83	85	88		
M 815 M1-08 DO YOU ZERO AMMETERS	20	36	20	48	39	39	42	51	36		
M 816 M1-09 DO YOU EXTEND THE RANGE OF VOLTMETERS	37	38	24	60	53	50	49	49	48		
M 817 M1-10 DO YOU USE OR REFER TO VOLTMETER SENSITIVITY (EXPRESSED IN UNITS OF OHMS PER VOLT)	50	38	27	73	63	67	55	55	42		
M 818 M2-01 DO YOU WORK WITH SATURABLE REACTORS OR MAGNETIC AMPLIFIERS IN YOUR PRESENT JOB	14	2	28	6	26	21	29	13	11		
M 819 M2-02 DO YOU INSPECT MAGNETIC AMPLIFIERS OR SATURABLE REACTORS	14	1	26	6	26	13	20	11	9		
M 820 M2-03 DO YOU CLEAN MAGNETIC AMPLIFIERS OR SATURABLE REACTORS	8	1	19	4	18	12	26	10	8		
M 821 M2-04 DO YOU ADJUST MAGNETIC AMPLIFIERS OR SATURABLE REACTORS	4	1	23	2	23	13	24	10	5		
M 822 M2-05 DO YOU TROUBLESHOOT MAGNETIC AMPLIFIERS OR SATURABLE REACTORS	11	1	25	6	26	17	26	11	10		
M 823 M2-06 DO YOU REMOVE OR REPLACE MAGNETIC AMPLIFIERS OR SATURABLE REACTORS	13	1	26	6	24	17	27	10	10		
M 824 M2-07 DO YOU REMOVE OR REPLACE MAGNETIC AMPLIFIER OR SATURABLE REACTOR COMPONENTS	4	1	19	6	18	11	15	7	6		

PCI MBRS RESPONDING 'YES' BY DAESC GROUPS
 TASK GROUP SUMMARY
 PERCENT MEMBERS PERFORMING

GPEDDB PAGE 75

AF HUMAN RESOURCES LABORATORY
 AIR FORCE SYSTEMS COMMAND

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	610	611	612	613	614	615	616	617	618	
DY-TSK										
N 825 N2-08 DO YOU USE OR REFER TO HYSTERESIS CURVES OR LOOPS	1	1	2	2	4	8	9	8	8	3
N 826 N2-09 DO YOU INTERPRET SCHEMATIC DRAWINGS TO DEVELOP OUTPUT	2	1	4	6	6	5	15	8	3	
WAVEFORMS ACROSS REACTOR WINDINGS OR LOAD RESISTORS OF SINGLE WINDING SATURABLE REACTORS										
N 827 N2-10 DO YOU MEASURE OUTPUT WAVEFORMS ACROSS REACTOR WINDINGS OR LOAD RESISTORS OF SINGLE WINDING SATURABLE REACTORS	4	1	7	6	9	8	13	8	4	
REACTORS										
N 828 N2-11 DO YOU INTERPRET SCHEMATIC DRAWINGS TO DEVELOP OUTPUT WAVEFORMS FOR MAGNETIC AMPLIFIERS	3	1	7	4	8	8	15	9	3	
N 829 N2-12 DO YOU USE OR REFER TO COERCIVE FORCE IN SATURABLE REACTORS	1	1	2	0	3	4	5	4	2	
N 830 N2-13 DO YOU USE OR REFER TO RESIDUAL MAGNETISM IN SATURABLE REACTORS	2	1	2	2	4	5	9	7	4	
N 831 N2-14 DO YOU USE OR REFER TO FLUX DENSITY IN SATURABLE REACTORS	3	1	3	2	5	4	9	6	4	
N 832 N2-15 DO YOU USE OR REFER TO POINT OF SATURATION IN SATURABLE REACTORS	2	1	5	4	7	5	15	5	5	
N 833 N2-16 DO YOU USE OR REFER TO SCHEMATIC SYMBOLS	5	1	14	4	15	10	24	9	6	
N 834 N3-01 DO YOU WORK WITH WAVESHAPING CIRCUITS IN YOUR PRESENT JOB	0	2	12	85	24	55	79	62	3	
N 835 N3-02 DO YOU USE OR REFER TO TRANSIENT INTERVALS	1	1	3	46	12	25	32	32	2	
N 836 N3-03 DO YOU USE OR REFER TO PULSE WIDTH (PW)	4	1	5	83	16	45	76	58	2	
N 837 N3-04 DO YOU USE OR REFER TO PULSE RECURRENCE TIME (PRT)	3	1	5	71	16	43	68	50	2	
N 838 N3-05 DO YOU USE OR REFER TO PULSE RECURRENCE FREQUENCY (PRF)	2	1	6	77	15	44	72	50	2	
N 839 N3-06 DO YOU USE OR REFER TO DIFFERENTIATING CIRCUITS	4	1	7	56	18	39	68	50	2	
N 840 N3-07 DO YOU USE OR REFER TO INTEGRATING CIRCUITS	6	1	11	69	20	44	76	58	2	
N 841 N3-08 DO YOU USE OR REFER TO THE CLASSIFICATION OF TIME CONSTANTS (TC) AS LOW, MEDIUM, OR SHORT	4	1	7	46	12	32	54	42	2	
N 842 N3-09 DO YOU DETERMINE WHETHER AN LR OR RC CIRCUIT IS DIFFERENTIATING OR INTEGRATING BASED ON THE TIME CONSTANT AND OUTPUT CONFIGURATION	1	1	3	31	7	15	32	20	2	
PRESENT JOB										
N 843 N3-10 DO YOU WORK WITH SQUARE WAVE GENERATORS	5	1	7	69	13	46	60	41	2	
N 844 N3-11 DO YOU WORK WITH RECTANGULAR WAVE GENERATORS	3	1	4	56	8	27	45	42	1	
N 845 N3-01 DO YOU WORK ON SINGLE SIDEBAND SYSTEMS IN YOUR PRESENT JOB	0	0	1	0	0	3	1	2	1	
SYSTEMS										
0 846 01-02 DO YOU INSPECT SSR TRANSMIT OR RECEIVE SYSTEMS	0	1	0	0	0	2	0	1	0	
0 847 01-03 DO YOU CLEAN SSR TRANSMIT OR RECEIVE SYSTEMS	0	1	0	0	0	2	0	2	0	
0 848 01-04 DO YOU ALIGN SSR TRANSMIT OR RECEIVE SYSTEMS	0	1	0	0	0	2	0	2	0	
0 849 01-05 DO YOU TROUBLESHOOT TO SSR TRANSMIT OR RECEIVE SYSTEMS	0	1	0	0	0	2	0	2	0	
COMPONENTS										
0 850 01-06 DO YOU TROUBLESHOOT TO SSR TRANSMIT OR RECEIVE SYSTEMS	0	1	0	0	0	2	0	2	0	
0 851 01-07 DO YOU REMOVE OR REPLACE SSR TRANSMIT OR RECEIVE SYSTEMS	0	1	0	0	0	2	0	2	0	
0 852 01-08 DO YOU REMOVE OR REPLACE SSR TRANSMIT OR RECEIVE COMPONENTS	0	1	0	0	0	2	0	2	0	

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DX-ISM

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	610	611	612	613	614	615	616	617	618	619	620	621	622
0 853 01-09 DO YOU PERFORM TASKS ON SSB AUDIO AMPLIFIERS	0	1	1	0	0	0	3	1	0	0	0	0	0
0 854 01-10 DO YOU PERFORM TASKS ON SSB BALANCED MODULATORS	0	1	0	0	0	2	1	1	0	0	0	0	0
0 855 01-11 DO YOU PERFORM TASKS ON SSB CARRIER OSCILLATORS	0	1	0	0	0	2	1	1	0	0	0	0	0
0 856 01-12 DO YOU PERFORM TASKS ON SSB LC FILTERS	0	1	0	0	0	3	1	1	0	0	0	0	0
0 857 01-13 DO YOU PERFORM TASKS ON SSB CRYSTAL FILTERS	0	1	0	0	0	2	1	1	0	0	0	0	0
0 858 01-14 DO YOU PERFORM TASKS ON SSB MECHANICAL FILTERS	0	1	0	0	0	2	1	1	0	0	0	0	0
0 859 01-15 DO YOU PERFORM TASKS ON SSB OSCILLATORS	0	1	1	0	0	3	1	1	0	0	0	0	0
0 860 01-16 DO YOU PERFORM TASKS ON SSB MIXERS	0	1	0	0	0	2	1	1	0	0	0	0	0
0 861 01-17 DO YOU PERFORM TASKS ON SSB DRIVERS	0	1	1	0	0	2	1	1	0	0	0	0	0
0 862 01-18 DO YOU PERFORM TASKS ON SSB POWER AMPLIFIERS	0	1	1	1	2	0	3	1	1	0	0	0	0
0 863 01-19 DO YOU PERFORM TASKS ON SSB RE AMPLIFIERS	0	1	0	0	0	3	1	1	1	0	0	0	0
0 864 01-20 DO YOU PERFORM TASKS ON SSB FREQUENCY CONVERTERS	0	1	0	0	0	0	3	1	1	0	0	0	0
0 865 01-21 DO YOU PERFORM TASKS ON SSB IF AMPLIFIERS	0	1	0	0	0	0	3	1	1	0	0	0	0
0 866 01-22 DO YOU PERFORM TASKS ON SSB DEMODULATORS	0	1	1	0	0	2	1	1	1	0	0	0	0
0 867 01-23 DO YOU PERFORM TASKS ON SSB DON'T REMEMBER WHICH SSB	0	1	0	0	0	0	2	1	1	0	0	0	0
SYSTEM STAGES													
0 868 01-24 DO YOU USE OR REFER TO SELECTIVE FADING	0	1	0	0	0	0	1	1	1	0	0	0	0
0 869 01-25 DO YOU USE OR REFER TO PEAK POWER	0	1	0	0	0	0	1	1	1	0	0	0	0
0 870 01-26 DO YOU USE OR REFER TO FREQUENCY STABILITY	0	1	0	0	0	0	1	1	1	0	0	0	0
0 871 01-27 DO YOU USE OR REFER TO RESPONSE CURVES FOR BANDWIDTH FILTERS	0	1	0	0	0	0	2	1	1	0	0	0	0
0 872 01-28 DO YOU CALCULATE PEAK POWER OR EFFECTIVE POWER OF SSB TRANSMITTERS	0	1	0	0	0	0	1	1	1	0	0	0	0
0 873 01-29 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH SSB TRANSMITTER SCHEMATIC DIAGRAMS	0	1	0	0	0	0	1	1	1	0	0	0	0
0 874 01-30 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH SSB RECEIVER SCHEMATIC DIAGRAMS	0	1	0	0	0	1	1	1	1	0	0	0	0
0 875 02-01 DO YOU WORK ON PULSE MODULATION SYSTEMS IN YOUR PRESENT JOB	1	2	1	1	35	7	6	9	12	0	0	0	0
0 876 02-02 DO YOU INSPECT PULSE MODULATION SYSTEMS	2	1	1	1	33	7	5	8	10	0	0	0	0
0 877 02-03 DO YOU CLEAN PULSE MODULATION SYSTEMS	1	1	1	1	29	7	5	8	10	0	0	0	0
0 878 02-04 DO YOU ALIGN PULSE MODULATION SYSTEMS	0	1	1	1	35	7	5	8	10	0	0	0	0
0 879 02-05 DO YOU TROUBLESHOOT TO PULSE MODULATION SYSTEMS	1	1	2	1	35	8	4	8	11	0	0	0	0
0 880 02-06 DO YOU TROUBLESHOOT TO PULSE MODULATION SYSTEM COMPONENTS	0	1	1	1	35	8	4	8	9	0	0	0	0
0 881 02-07 DO YOU REMOVE OR REPLACE PULSE MODULATION SYSTEMS COMPONENTS	1	1	1	1	33	8	4	8	10	0	0	0	0
0 882 02-08 DO YOU REMOVE OR REPLACE PULSE MODULATION SYSTEM COMPONENTS	0	1	1	1	33	7	4	8	9	0	0	0	0
0 883 02-09 DO YOU WORK ON PULSE-AMPLITUDE MODULATION (PAM) SYSTEMS	1	1	1	1	29	6	3	6	10	0	0	0	0
0 884 02-10 DO YOU WORK ON PULSE-DURATION MODULATION (PDM) SYSTEMS	1	1	1	1	27	6	3	6	10	0	0	0	0
0 885 02-11 DO YOU WORK ON PULSE-POSITION MODULATION (PPM) SYSTEMS	0	1	1	1	27	5	3	6	8	0	0	0	0
0 886 02-12 DO YOU WORK ON PULSE-CODE MODULATION (PCM) SYSTEMS	0	1	0	0	21	4	3	4	7	0	0	0	0
0 887 02-13 DO YOU WORK ON LINE PULSING MODULATION SYSTEMS	0	1	1	1	21	4	3	3	8	0	0	0	0
0 888 02-14 DO YOU WORK ON DON'T REMEMBER WHICH TYPE OF MODULATION SYSTEM	0	1	0	0	8	4	4	4	5	0	0	0	0

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

Task Description	SPC 610	SPC 611	SPC 612	SPC 613	SPC 614	SPC 615	SPC 616	SPC 617	SPC 618
0 889 02-15 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM POWER SUPPLIES	1	1	1	33	7	5	9	10	0
0 890 02-16 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM CHARGING CHOKES AND CHARGING DIODES	1	1	1	21	4	4	5	5	0
0 891 02-17 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM PULSE FORMING NETWORKS	1	1	1	33	6	3	8	9	0
0 892 02-18 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM TIMERS	1	1	1	29	5	4	9	10	0
0 893 02-19 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM SWITCHES SUCH AS GAS THYRATRON	0	1	0	15	5	1	5	3	0
0 894 02-20 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM PULSE TRANSFORMERS	0	1	1	23	6	3	6	10	0
0 895 02-21 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM TRANSMITTER TUBES	0	1	0	15	3	1	8	3	0
0 896 02-22 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM RF AMPLIFIERS	0	1	0	23	4	3	9	8	0
0 897 02-23 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM FREQUENCY CONVERTERS	0	1	1	25	6	4	9	8	0
0 898 02-24 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM IF AMPLIFIERS	0	1	0	21	5	4	9	9	0
0 899 02-25 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM DETECTORS	0	1	0	25	5	5	9	10	0
0 900 02-26 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM VIDEO AMPLIFIERS	0	1	0	27	6	5	9	10	0
0 901 02-27 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM POWER VIDEO AMPLIFIERS	0	1	0	21	5	5	9	10	0
0 902 02-28 DO YOU PERFORM TASKS ON PULSE MODULATION SYSTEM DON'T REMEMBER WHICH PULSE MODULATION SYSTEM STAGES	0	1	0	10	4	3	1	5	0
0 903 02-29 DO YOU USE OR REFER TO PULSE RECURRENCE FREQUENCY (PRF)	0	1	1	31	7	6	8	9	0
0 904 02-30 DO YOU USE OR REFER TO PULSE RECURRENCE TIME (PRT)	0	1	1	29	7	6	9	9	0
0 905 02-31 DO YOU USE OR REFER TO PULSE WIDTH (PW)	1	1	1	31	7	6	9	10	0
0 906 02-32 DO YOU USE OR REFER TO PULSE SHAPE	1	1	1	31	7	6	9	11	0
0 907 02-33 DO YOU USE OR REFER TO PEAK POWER	1	1	1	27	6	6	6	11	0
0 908 02-34 DO YOU USE OR REFER TO AVERAGE POWER	0	1	1	25	6	5	5	10	0
0 909 02-35 DO YOU CALCULATE PULSE RECURRENCE TIME (PRT) OR PULSE RECURRENCE FREQUENCY (PRF)	0	1	1	21	4	4	9	6	0
0 910 02-36 DO YOU MEASURE PULSE RECURRENCE TIME (PRT) OR PULSE RECURRENCE FREQUENCY (PRF)	0	1	1	27	6	6	9	9	0
0 911 02-37 DO YOU USE FORMULAS TO CALCULATE AVERAGE POWER OR PEAK POWER OF PULSE MODULATION TRANSMIT SYSTEMS	0	1	1	17	2	5	4	6	0
0 912 02-38 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH PULSE MODULATION TRANSMITTER SCHEMATIC DIAGRAMS	0	1	1	25	6	5	8	7	0
0 913 02-39 DO YOU TRACE SIGNALS OR CURRENT PATHS THROUGH PULSE MODULATION RECEIVER SCHEMATIC DIAGRAMS	0	1	1	21	4	4	6	6	0
0 914 03-01 DO YOU WORK WITH ANTENNAS IN YOUR PRESENT JOB	1	1	0	2	0	2	3	0	1
0 915 03-02 DO YOU INSPECT ANTENNAS	1	1	0	2	0	2	4	0	0

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

07-15K

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	610	611	612	613	614	615	616	617	618	619
0 916 03-03 DO YOU CLEAN ANTENNAS	0	1	0	2	0	2	3	0	0	0
0 917 03-04 DO YOU PHYSICALLY ALIGN ANTENNAS	0	1	0	2	0	1	1	0	0	0
0 918 03-05 DO YOU ELECTRICALY ALIGN ANTENNAS	0	1	0	2	0	1	3	0	0	0
0 919 03-06 DO YOU TROUBLESHOOT TO ANTENNAS	1	1	0	2	0	2	3	0	1	0
0 920 03-07 DO YOU TROUBLESHOOT TO ANTENNA COMPONENTS	0	1	0	2	0	1	3	0	0	0
0 921 03-08 DO YOU REMOVE OR INSTALL ANTENNAS	0	1	0	2	0	2	3	0	0	0
0 922 03-09 DO YOU REMOVE OR REPLACE COMPONENTS OF ANTENNAS	0	1	0	2	0	1	3	0	0	0
0 923 03-10 DO YOU USE OR REFER TO TECHNICAL DATA CONTAINING REPRESENTATIONS OF E OR ELECTRIC FIELD LINES	0	1	0	0	0	1	4	0	0	0
0 924 03-11 DO YOU USE OR REFER TO TECHNICAL DATA CONTAINING REPRESENTATIONS OF H OR MAGNETIC FIELD LINES	0	1	0	0	0	1	4	0	0	0
0 925 03-12 DO YOU DETERMINE THE DIRECTION OF THE MAGNETIC LINES IN RELATION TO THE ELECTRIC LINES OF FORCE FOR ANTENNAS	0	1	0	0	0	1	4	0	0	0
0 926 03-13 DO YOU USE OR REFER TO THE GENERAL RULE THAT ANTENNAS WHICH ARE OF CORRECT LENGTH (HALF-WAVE) ACT AS INDUCTIVE LOADS TO THE GENERATOR	0	1	0	0	0	1	4	0	0	0
0 927 03-14 DO YOU USE OR REFER TO THE GENERAL RULE THAT ANTENNAS WHICH ARE LONGER THAN A HALF-WAVE ACT AS INDUCTIVE LOADS TO THE GENERATOR	0	1	0	0	0	1	4	0	0	0
0 928 03-15 DO YOU USE OR REFER TO THE GENERAL RULE THAT ANTENNAS WHICH ARE SHORTER THAN A HALF-WAVE ACT AS CAPACITIVE LOADS TO THE GENERATOR	0	0	0	0	0	1	3	0	0	0
0 929 03-16 DO YOU WORK WITH HERTZ ANTENNAS	0	0	0	2	0	1	1	0	0	0
0 930 03-17 DO YOU WORK WITH MARCONI ANTENNAS	0	0	0	0	0	1	1	0	0	0
0 931 03-18 DO YOU WORK WITH BROADSIDE ARRAYS	0	0	0	2	0	1	3	0	0	0
0 932 03-19 DO YOU WORK WITH END-FIRE ARRAYS	0	0	0	2	0	1	1	0	0	0
0 933 03-20 DO YOU WORK WITH CAROIDAL ARRAYS	0	0	0	2	0	1	1	0	0	0
0 934 03-21 DO YOU WORK WITH COLLINER ARRAYS	0	0	0	2	0	1	3	0	0	0
0 935 03-22 DO YOU USE OR REFER TO THE TERM ELECTROMAGNETIC INDUCTION FIELDS WHEN WORKING WITH ANTENNAS	0	0	0	0	0	1	4	0	0	0
0 936 03-23 DO YOU MEASURE ELECTROMAGNETIC INDUCTION FIELDS OF ANTENNAS	0	0	0	0	0	1	4	0	0	0
0 937 03-24 DO YOU USE OR REFER TO THE TERM ELECTROMAGNETIC RADIATION FIELDS WHEN WORKING WITH ANTENNAS	0	0	0	0	0	1	4	0	0	0
0 938 03-25 DO YOU MEASURE ELECTROMAGNETIC RADIATION FIELDS OF ANTENNAS	0	0	0	0	0	1	3	0	0	0
0 939 03-26 DO YOU USE OR REFER TO THE TIME PHASE OF ELECTRIC (E) AND MAGNETIC (H) COMPONENTS IN ANTENNA RADIATION	0	0	0	0	0	1	4	0	0	0
0 940 03-27 DO YOU USE OR REFER TO THE TIME PHASE OF ELECTRIC (E) AND MAGNETIC (H) COMPONENTS IN ANTENNA INDUCTION FIELD	0	0	0	0	0	1	3	0	0	0
0 941 03-28 ARE ANY OF THE ANTENNAS YOU WORK ON LINEARLY POLARIZED	0	0	0	0	0	1	4	0	0	0
0 942 03-29 ARE ANY OF THE ANTENNAS YOU WORK ON CIRCULARLY POLARIZED	0	0	0	0	0	1	3	0	0	0
0 943 03-30 DO YOU MEASURE OR DETERMINE THE POLARITY OF ANTENNAS YOU WORK ON	0	0	0	0	0	1	3	0	0	0
0 944 03-31 DO YOU CONSTRUCT, OR MAKE THE CALCULATIONS NECESSARY TO CONSTRUCT, ANTENNAS OF CORRECT LENGTH FOR SPECIFIC WAVELENGTHS	0	0	0	0	0	1	3	0	0	0

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	610	621	612	613	614	615	616	617	618			
0 945 03-32 DO THE ANTENNA ARRAYS YOU WORK WITH CONTAIN PARASITIC ELEMENTS	0	0	0	0	0	1	1	0	0			
0 946 03-33 DO THE ANTENNA ARRAYS YOU WORK WITH CONTAIN PARASITIC ELEMENTS SERVING AS DIRECTORS	0	0	0	0	0	1	1	0	0			
0 947 03-34 DO THE ANTENNA ARRAYS YOU WORK WITH CONTAIN PARASITIC ELEMENTS SERVING AS REFLECTORS	0	0	0	0	0	1	1	0	0			
0 948 03-35 DO THE ANTENNA ARRAYS YOU WORK WITH CONTAIN DON'T REMEMBER WHAT KIND OF ELEMENTS	0	0	0	2	0	0	0	3	0			
0 949 03-36 DO YOU WORK ON UNIDIRECTIONAL ANTENNAS	0	0	0	0	0	1	1	0	0			
0 850 03-37 DO YOU WORK ON BIDIRECTIONAL ANTENNAS	0	0	0	0	0	2	1	0	0			
0 851 03-38 DO YOU WORK ON DON'T REMEMBER THE DIRECTIONALITY	0	0	0	2	0	1	3	0	0			
0 852 03-39 DO YOU WORK WITH ROTAR ANTENNA ARRAYS	0	0	0	0	0	1	3	0	0			
P 953 P1-01 IN YOUR PRESENT JOB DO YOU WORK WITH TRANSMISSION LINES (TRANSMISSION LINES ARE DEFINED TO INCLUDE LEADS BETWEEN RECEIVERS AND ANTENNAS, TELEPHONE LEADS, AS WELL AS HIGH VOLTAGE POWER LINES, ETC. DO NOT CONSIDER WAVEGUIDES AS TRANSMISSION LINES)	0	1	0	10	3	5	8	10	1			
P 954 P1-02 DO YOU REFER TO OR USE COPPER LOSS OR IZR LOSS IN TRANSMISSION LINES	0	0	0	0	0	1	1	1	0			
P 955 P1-03 DO YOU REFER TO OR USE SKIN EFFECTS OF HIGH FREQUENCY CURRENTS IN TRANSMISSION LINES	0	0	0	2	0	1	1	2	0			
P 956 P1-04 DO YOU REFER TO OR USE RADIATION LOSS IN TRANSMISSION LINES	0	0	0	0	0	1	1	2	0			
P 957 P1-05 DO YOU USE OR REFER TO DIELECTRIC LOSS IN TRANSMISSION LINES	0	1	0	2	0	2	1	1	0			
P 958 P1-06 DO YOU USE OR REFER TO LEAKAGE LOSSES IN TRANSMISSION LINES	0	1	0	0	0	1	3	2	0			
P 959 P1-07 DO YOU WORK WITH TAIKSTED PAIR TRANSMISSION LINES	0	1	0	4	3	3	3	7	0			
P 960 P1-08 DO YOU WORK WITH TWIN LEAD TRANSMISSION LINES	0	1	0	6	2	3	3	4	1			
P 961 P1-09 DO YOU WORK WITH OPEN TWO-WIRE TRANSMISSION LINES	0	1	0	4	0	3	1	2	0			
P 962 P1-10 DO YOU WORK WITH FLEXIBLE COAXIAL CABLE TRANSMISSION LINES	0	2	0	8	3	6	5	10	1			
P 963 P1-11 DO YOU WORK WITH RIGID COAXIAL CABLE TRANSMISSION LINES	0	0	0	0	0	1	4	2	1			
P 964 P1-12 DO YOU TROUBLESHOOT TRANSMISSION LINES	0	2	0	6	2	5	6	9	1			
P 965 P1-13 DO YOU ANALYZE VOLTAGE OR CURRENT WAVEFORMS IN TRANSMISSION LINES TO DETERMINE THE TYPE OF TERMINATION (OPEN, SHORTED, CAPACITIVE, INDUCTIVE)	0	1	0	0	1	3	1	4	0			
P 966 P1-14 DO YOU SELECT APPROPRIATE TRANSMISSION LINES TERMINATIONS TO ACHIEVE DESIRED WAVEFORMS	0	0	0	0	0	2	1	1	0			
P 967 P1-15 DO YOU USE OR REFER TO SCHEMATIC SYMBOLS FOR LINE TERMINATIONS IN TERMS OF CIRCUIT TERMINATIONS	0	1	0	2	1	3	5	6	0			
P 968 P1-16 DO YOU MEASURE STANDING WAVE RATIOS (SWR) OF TRANSMISSION LINES	0	1	0	0	0	1	1	1	0			
P 969 P1-17 DO YOU CALCULATE STANDING WAVE RATIOS (SWR) OF TRANSMISSION LINES	0	1	0	0	0	1	1	0	0			
P 970 P1-18 DO YOU PERFORM THE CALCULATIONS NECESSARY TO DETERMINE THE IMPEDANCE AND LENGTH OF QUARTER - WAVELENGTH MATCHING TRANSFORMERS TO MATCH TRANSMISSION LINES TO LOADS	0	0	0	0	0	1	1	0	0			

0Y-15K

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	610	611	612	613	614	615	616	617	618	619	620	621
P1003 P2-20 DO YOU USE OR REFER TO "B" WALL OF WAVEGUIDES	0	0	0	0	0	1	1	1	0	0	0	0
P1004 P2-21 DO YOU USE OR REFER TO CUTOFF FREQUENCY OF WAVEGUIDES	0	0	0	0	0	1	1	1	0	0	0	0
P1005 P2-22 DO YOU USE OR REFER TO FREQUENCY-DETERMINING WALL OF WAVEGUIDES	0	0	0	0	0	1	1	1	0	0	0	0
P1006 P2-23 DO YOU USE OR REFER TO POWER-DETERMINING WALL OF WAVEGUIDES	0	0	0	0	0	1	1	1	0	0	0	0
P1007 P2-24 DO YOU USE OR REFER TO ELECTRIC FIELD BOUNDARY CONDITIONS	0	0	0	0	0	1	1	1	0	0	0	0
P1008 P2-25 DO YOU USE OR REFER TO MAGNETIC FIELD BOUNDARY CONDITIONS	0	0	0	0	0	1	1	1	0	0	0	0
P1009 P2-26 DO YOU USE OR REFER TO DUPLXER FIELD BOUNDARY CONDITIONS	0	0	0	0	0	1	1	1	0	0	0	0
P1010 P2-27 DO YOU USE OR REFER TO THE GENERAL RULE THAT MOST WAVEGUIDES ARE MADE WITH A "B" WALL SIZE OF .7 WAVELENGTHS OF THE OPERATING FREQUENCY	0	0	0	0	0	1	1	1	0	0	0	0
P1011 P2-28 DO YOU USE OR REFER TO THE GENERAL RULE THAT MOST "A" WALLS RANGE FROM .2 TO .5 WAVELENGTHS IN SIZE, WITH .35 USED AS AN AVERAGE	0	0	0	0	0	1	1	1	0	0	0	0
P1012 P2-29 ARE YOU CONCERNED WITH THE MATERIAL (SUCH AS BRASS) WHICH WAVEGUIDES ARE MADE OF	0	0	0	0	0	1	1	1	0	0	0	0
P1013 P2-30 DO YOU COMPUTE THE LENGTH OF A WAVEGUIDE FOR SPECIFIC INSTALLATION	0	0	0	0	0	1	1	1	0	0	0	0
P1014 P2-31 DO YOU USE THE RIGHT HAND RULE TO DETERMINE THE DIRECTION OF PROPAGATION, DIRECTION OF "E" FIELD, OR DIRECTION OF "H" FIELD IN WAVEGUIDES	0	0	0	0	0	1	1	1	0	0	0	0
P1015 P2-32 DO YOU USE OR REFER TO THE TIME PHASE OF PEAK "E" OR "H" LINES IN WAVEGUIDES	0	0	0	0	0	1	1	1	0	0	0	0
P1016 P2-33 DO YOU MEASURE THE TIME PHASE OF "E" OR "H" LINES IN WAVEGUIDES	0	0	0	0	0	1	1	1	0	0	0	0
P1017 P2-34 DO YOU USE OR REFER TO THE SPACE QUADRATURE OF "E" OR "H" LINES IN WAVEGUIDES	0	0	0	0	0	1	1	1	0	0	0	0
P1018 P2-35 ARE HIGH POWER PROBES USED ON WAVEGUIDES OR CAVITY RESONATORS YOU WORK WITH	0	0	0	0	0	1	1	1	0	0	0	0
P1019 P2-36 ARE LOW POWER PROBES USED ON WAVEGUIDES OR CAVITY RESONATORS YOU WORK WITH	0	0	0	0	0	0	0	0	0	0	0	0
P1020 P2-37 ARE LOOPS USED ON WAVEGUIDES OR CAVITY RESONATORS YOU WORK WITH	0	0	0	0	0	0	0	0	0	0	0	0
P1021 P2-38 ARE APERTURES (WINDOWS OR IRISES) USED ON WAVEGUIDES OR CAVITY RESONATORS YOU WORK WITH	0	0	0	0	0	0	0	0	0	0	0	0
P1022 P2-39 ARE DONUT REMEMBERS THE KIND OF ENERGY COUPLING USED ON WAVEGUIDES OR CAVITY RESONATORS YOU WORK WITH	0	0	0	0	0	0	0	0	0	0	0	0
P1023 P2-40 DO YOU DETERMINE WHERE PROBES SHOULD BE MOUNTED IN WAVEGUIDES OR CAVITY RESONATORS WITHOUT REFERRING TO TECHNICAL DATA	0	0	0	0	0	1	1	1	0	0	0	0
P1024 P2-41 DO YOU DETERMINE THE POSITIONING OF LOOPS IN WAVEGUIDES OR CAVITY RESONATORS WITHOUT REFERRING TO TECHNICAL DATA	0	0	0	0	0	1	1	1	0	0	0	0

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DY-15K

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	610	611	612	613	614	615	616	617	618	619
P1025 P2-42 DO YOU DETERMINE THE POSITIONING OR SIZE OF APERTURES IN WAVEGUIDES OR CAVITY RESONATORS WITHOUT REFERRING TO TECHNICAL DATA	0	0	0	0	0	0	0	0	0	0
P1026 P2-43 ARE CHOKE JOINTS USED IN WAVEGUIDES OR CAVITY RESONATORS YOU WORK WITH	0	0	0	0	0	1	0	0	0	0
P1027 P2-44 ARE ROTATING JOINTS USED IN WAVEGUIDES OR CAVITY RESONATORS YOU WORK WITH	0	0	0	0	0	1	0	0	0	0
P1028 P2-45 ARE DON'T REMEMBER THE KIND OF JOINTS USED IN WAVEGUIDES OR CAVITY RESONATORS YOU WORK WITH	0	0	0	0	0	1	0	0	0	0
P1029 P2-46 DO YOU TUNE CAVITY RESONATORS USING CAPACITIVE TUNING	0	0	0	0	0	1	0	0	0	0
P1030 P2-47 DO YOU TUNE CAVITY RESONATORS USING INDUCTIVE TUNING	0	0	0	0	0	0	0	0	0	0
P1031 P2-48 DO YOU TUNE CAVITY RESONATORS USING VOLUME TUNING	0	0	0	0	0	0	0	0	0	0
P1032 P2-49 DO YOU TUNE CAVITY RESONATORS USING DON'T REMEMBER THE METHOD OF TUNING	0	0	0	0	0	1	0	0	0	0
P1033 P2-50 DO YOU MEASURE THE FREQUENCY OF SIGNALS IN CAVITY RESONATORS	0	0	0	0	0	1	0	0	0	0
P1034 P1-01 IN YOUR PRESENT JOB DO YOU WORK WITH ALYSTONS, TRAVELING WAVE TUBES (TWT), PARAMETRIC AMPLIFIERS, OR MAGNETRONS	0	0	0	2	0	1	1	0	1	1
P1035 P3-02 DO YOU USE OR REFER TO INTERELECTRODE CAPACITANCE	0	0	0	0	0	1	0	0	0	0
P1036 P3-03 DO YOU USE OR REFER TO ELECTRON TRANSIT TIME	0	0	0	0	0	1	0	0	1	0
P1037 P3-04 DO YOU USE OR REFER TO LEAD INDUCTANCE	0	0	0	0	0	1	0	0	1	0
P1038 P1-05 DO YOU USE OR REFER TO RF LOSSES IN EXTERNAL CIRCUITRY	0	0	0	0	0	1	0	0	1	0
P1039 P1-06 DO YOU USE OR REFER TO PRINCIPLE OF ELECTRON VELOCITY MODULATION	0	0	0	0	0	1	0	0	1	0
P1040 P3-07 DO YOU USE OR REFER TO ELECTRON BUNCHING	0	1	0	0	0	1	0	0	1	0
P1041 P3-08 DO YOU WORK WITH TWO-CAVITY ALYSTONS	0	0	0	0	0	0	0	0	0	0
P1042 P3-09 DO YOU WORK WITH THREE-CAVITY ALYSTONS	0	0	0	0	0	0	0	0	0	0
P1043 P3-10 DO YOU WORK WITH REFLEX ALYSTONS	0	0	0	0	0	1	0	0	0	0
P1044 P3-11 DO YOU WORK WITH TRAVELLING-WAVE TUBES (TWT)	0	0	0	0	0	1	0	0	0	0
P1045 P3-12 DO YOU WORK WITH NONDEGENERATIVE PARAMETRIC AMPLIFIERS	0	0	0	0	0	0	0	0	1	0
P1046 P3-13 DO YOU WORK WITH UP-CONVERTER PARAMETRIC AMPLIFIERS	0	0	0	0	0	1	0	0	0	0
P1047 P3-14 DO YOU WORK WITH MAGNETRONS	0	0	0	0	0	1	0	0	1	0
P1048 P3-15 DO YOU INSPECT ALYSTONS OR TWT	0	0	0	0	0	0	0	0	1	0
P1049 P3-16 DO YOU CLEAN ALYSTONS OR TWT	0	0	0	0	0	0	0	0	0	0
P1050 P3-17 DO YOU TUNE ALYSTONS OR TWT ELECTRICALLY	0	0	0	0	0	1	0	0	0	0
P1051 P3-18 DO YOU TUNE ALYSTONS OR TWT MECHANICALLY	0	0	0	0	0	1	0	0	0	0
P1052 P3-19 DO YOU PERFORM OPERATIONAL CHECKS OF ALYSTONS OR TWT	0	0	0	0	0	1	0	0	0	0
P1053 P3-20 DO YOU TROUBLESHOOT ALYSTONS OR TWT	0	1	0	0	0	1	0	0	0	0
P1054 P3-21 DO YOU REMOVE OR REPLACE COMPLETE ALYSTON OR TWT	0	0	0	0	0	1	0	0	0	0
P1055 P3-22 DO YOU REMOVE OR REPLACE ALYSTON OR TWT COMPONENTS	0	0	0	0	0	1	0	0	0	0
P1056 P3-23 DO YOU INSPECT PARAMETRIC AMPLIFIERS	0	0	0	0	0	1	0	0	1	0
P1057 P3-24 DO YOU CLEAN PARAMETRIC AMPLIFIERS	0	0	0	0	0	1	0	0	0	0
P1058 P3-25 DO YOU ADJUST PARAMETRIC AMPLIFIERS	0	0	0	0	0	1	0	0	0	0

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	610	611	612	613	614	615	616	617	618	
P1059 P3-26 DO YOU TUNE PARAMETRIC AMPLIFIERS	0	0	0	0	0	0	0	0	0	0
P1060 P3-27 DO YOU PERFORM OPERATIONAL CHECKS OF PARAMETRIC AMPLIFIERS	0	0	0	0	0	0	0	0	0	0
P1061 P3-28 DO YOU TROUBLESHOOT PARAMETRIC AMPLIFIERS	0	0	0	0	0	0	0	0	0	0
P1062 P3-29 DO YOU REMOVE OR REPLACE COMPLETE PARAMETRIC AMPLIFIER	0	0	0	0	0	0	0	0	0	0
P1063 P3-30 DO YOU REMOVE OR REPLACE PARAMETRIC AMPLIFIER COMPONENTS	0	0	0	0	0	0	0	0	0	0
P1064 P3-31 DO YOU INSPECT MAGNETRONS	0	0	0	0	0	0	0	0	0	0
P1065 P3-32 DO YOU CLEAN MAGNETRONS	0	1	0	0	2	0	1	0	0	0
P1066 P3-33 DO YOU ADJUST MAGNETRONS	0	0	0	0	2	0	1	0	0	0
P1067 P3-34 DO YOU TUNE MAGNETRONS	0	0	0	0	0	0	1	0	0	0
P1068 P3-35 DO YOU PERFORM OPERATIONAL CHECKS OF MAGNETRONS	0	0	0	0	2	0	0	0	0	0
P1069 P3-36 DO YOU TROUBLESHOOT MAGNETRONS	0	0	0	0	2	0	1	0	0	0
P1070 P3-37 DO YOU REMOVE OR REPLACE COMPLETE MAGNETRON	0	0	0	0	2	0	1	0	0	0
P1071 P3-38 DO YOU REMOVE OR REPLACE MAGNETRON COMPONENTS	0	0	0	0	2	0	1	0	0	0
P1072 P3-39 DO YOU REMOVE OR REFER TO THE OPERATING PRINCIPLES OF TWO-CAVITY ALYSTORNS COLLECTOR PLATES	0	0	0	0	0	0	1	0	0	1
P1073 P3-40 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF TWO-CAVITY ALYSTORNS CATCHER CAVITIES	0	0	0	0	0	0	1	0	0	0
P1074 P3-41 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF TWO-CAVITY ALYSTORNS CATCHER GRIDS	0	0	0	0	0	0	1	0	0	0
P1075 P3-42 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF TWO-CAVITY ALYSTORNS FEEDBACK LOOPS	0	0	0	0	0	0	1	0	0	0
P1076 P3-43 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF TWO-CAVITY ALYSTORNS ORIFT SPACES	0	0	0	0	0	0	1	0	0	0
P1077 P3-44 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF TWO-CAVITY ALYSTORNS BUNCHER GRIDS	0	0	0	0	0	0	2	0	0	0
P1078 P3-45 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF TWO-CAVITY ALYSTORNS BUNCHER CAVITIES	0	0	0	0	0	0	1	0	0	0
P1079 P3-46 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF TWO-CAVITY ALYSTORNS CONTROL GRIDS	0	0	0	0	0	0	1	0	0	0
P1080 P3-47 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF TWO-CAVITY ALYSTORNS CATHODES	0	0	0	0	0	0	1	0	0	0
P1081 P3-48 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF REFLEX ALYSTORNS REPELLER REFLECTOR PLATES	0	0	0	0	0	0	1	0	0	0
P1082 P3-49 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF REFLEX ALYSTORNS GRIDS	0	0	0	0	0	0	1	0	0	0
P1083 P3-50 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF REFLEX ALYSTORNS GRID CAVITY GAPS	0	0	0	0	0	0	1	0	0	0
P1084 P3-51 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF REFLEX ALYSTORNS RESONANT CAVITIES	0	0	0	0	0	0	1	0	0	0
P1085 P3-52 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF REFLEX ALYSTORNS MAGNETIC COUPLING LOOPS	0	0	0	0	0	0	1	0	0	0
P1086 P3-53 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF REFLEX ALYSTORNS FILAMENTS	0	0	0	0	0	0	1	0	0	0
P1087 P3-54 DO YOU USE OR REFER TO THE OPERATING PRINCIPLES OF REFLEX ALYSTORNS CATHODES	0	0	0	0	0	0	1	0	0	0

PCT NBRS RESPONDING 'YES' BY DAFSC GROUPS

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AF HUMAN RESOURCES LABORATORY
AIR FORCE SYSTEMS COMMAND

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DY-1SK

	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
	610	611	612	613	614	615	616	617	618	
11169 11-11 DO YOU USE OR REFER TO FAR REGION	0	0	0	0	0	1	0	0	0	
11170 11-12 DO YOU USE OR REFER TO INTERMEDIATE REGION	0	0	0	0	0	1	0	0	0	
11171 11-13 DO YOU USE OR REFER TO NEAR REGION	0	0	0	0	0	1	0	0	0	
11172 11-14 DO YOU USE OR REFER TO MICROW	0	0	0	0	0	7	0	0	0	
11173 11-15 DO YOU USE OR REFER TO GRAY BODIES	0	0	0	0	0	1	0	0	0	
11174 11-16 DO YOU USE OR REFER TO BLACK BODIES	0	0	0	0	0	1	0	0	0	
11175 11-17 DO YOU USE OR REFER TO ABSORPTION	0	0	0	0	0	1	0	0	0	
11176 11-18 DO YOU USE OR REFER TO SCATTERING	0	0	0	0	0	1	0	0	0	
11177 11-19 DO YOU USE OR REFER TO ABSOLUTE ZERO	0	0	0	0	0	1	0	0	0	
11178 11-20 DO YOU PERFORM TASKS ON BLITZ	0	0	0	0	0	1	0	0	0	
11179 11-21 DO YOU PERFORM TASKS ON TARGET BUTTONS	0	0	0	0	0	1	0	0	0	
11180 11-22 DO YOU PERFORM TASKS ON ERECTOR LENSES	0	0	0	0	0	1	0	0	0	
11181 11-23 DO YOU PERFORM TASKS ON OCULAR LENSES	0	0	0	0	0	1	0	0	0	
11182 11-24 DO YOU PERFORM TASKS ON CORRECTION LENSES	0	0	0	0	0	1	0	0	0	
11183 11-25 DO YOU PERFORM TASKS ON FILTERS	0	0	0	0	0	1	0	0	0	
11184 11-26 DO YOU PERFORM TASKS ON SPHERICAL MIRRORS	0	0	0	0	0	2	0	0	0	
11185 11-27 DO YOU PERFORM TASKS ON PLANE MIRRORS	0	0	0	0	0	1	0	0	0	
11186 12-01 DOES YOUR PRESENT JOB INVOLVE ANY TASKS DEALING WITH LASERS	0	0	0	0	0	1	0	0	0	
11187 12-02 DO YOU INSPECT LASER SYSTEMS	0	0	0	0	0	1	0	0	0	
11188 12-03 DO YOU CLEAN LASER SYSTEMS	0	0	0	0	0	1	0	0	0	
11189 12-04 DO YOU OPERATE LASER SYSTEMS	0	0	0	0	0	1	0	0	0	
11190 12-05 DO YOU OPERATE LASER SYSTEMS	0	0	0	0	0	0	0	0	0	
11191 12-06 DO YOU TROUBLESHOOT WIRE CONNECTIONS OF LASER SYSTEMS	0	0	0	0	0	1	0	0	0	
11192 12-07 DO YOU TROUBLESHOOT MAJOR ASSEMBLIES OF LASER SYSTEMS	0	0	0	0	0	1	0	0	0	
11193 12-08 DO YOU TROUBLESHOOT TO COMPONENT PARTS OF LASER SYSTEMS	0	0	0	0	0	0	0	0	0	
11194 12-09 DO YOU REMOVE OR REPLACE MAJOR ASSEMBLIES OF LASER SYSTEMS	0	0	0	0	0	1	0	0	0	
11195 12-10 DO YOU REMOVE OR REPLACE COMPONENT PARTS OF LASER SYSTEMS	0	0	0	0	0	0	0	0	0	
11196 12-11 DO YOU USE OR REFER TO ANGSTROMS (A)	0	0	0	0	0	1	0	0	0	
11197 12-12 DO YOU USE OR REFER TO ELECTRON ENERGY LEVELS	0	0	0	0	0	1	0	0	0	
11198 12-13 DO YOU USE OR REFER TO GROUND STATE	0	0	0	0	0	1	0	1	0	
11199 12-14 DO YOU USE OR REFER TO EXCITED STATE	0	0	0	0	0	0	0	0	0	
11200 12-15 DO YOU USE OR REFER TO PACKET OF RADIATION	0	0	0	0	0	0	0	0	0	
11201 12-16 DO YOU USE OR REFER TO PHOTONS	0	0	0	0	0	1	0	0	0	
11202 12-17 DO YOU USE OR REFER TO SPONTANEOUS EMISSION	0	0	0	0	0	1	0	0	0	
11203 12-18 DO YOU USE OR REFER TO STIMULATED EMISSION	0	0	0	0	0	1	0	0	0	
11204 12-19 DO YOU USE OR REFER TO COHERENCE OR INCOHERENCE	0	0	0	0	0	1	1	0	0	
11205 12-20 DO YOU USE OR REFER TO INVERSION LEVEL	0	0	0	0	0	0	0	0	0	
11206 12-21 DO YOU USE OR REFER TO MONOCHROMATIC	0	0	0	0	0	0	0	0	0	
11207 12-22 DO YOU WORK WITH ACTIVE MATERIALS	0	0	0	0	0	1	0	0	0	
11208 12-23 DO YOU WORK WITH PUMPING SOURCES	0	0	0	0	0	1	0	0	0	
11209 12-24 DO YOU WORK WITH FULL SILVERED (100% REFLECTIVE) MIRRORS	0	0	0	0	0	1	0	0	0	

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

DY-ISK

Task ID	Description	SPC 610	SPC 611	SPC 612	SPC 613	SPC 614	SPC 615	SPC 616	SPC 617	SPC 618
11210	12-25 DO YOU WORK WITH HALF SILVERED 192A REFLECTIVE) MIRRORS	0	0	0	0	0	1	0	0	0
11211	12-26 DO YOU WORK WITH HELICAL FLASHTUBES	0	0	0	0	0	1	0	0	0
11212	12-27 DO YOU WORK WITH RUBY	0	0	0	0	0	1	0	0	0
11213	12-28 DO YOU WORK WITH HELIUM-NEON	0	0	0	0	0	1	0	0	0
11214	12-29 DO YOU WORK WITH HELIUM-XENON	0	0	0	0	0	1	0	0	0
11215	12-30 DO YOU WORK WITH XENON	0	0	0	0	0	1	0	0	0
11216	12-31 DO YOU WORK WITH CESIUM-HELIUM	0	0	0	0	0	1	0	0	0
11217	12-32 DO YOU WORK WITH ARGON	0	0	0	0	0	1	0	0	0
11218	12-33 DO YOU WORK WITH NEODYMIUM IN GLASS	0	0	0	0	0	1	0	0	0
11219	12-34 DO YOU WORK WITH GALLIUM ARSENIDE	0	0	0	0	0	1	0	0	0
11220	13-01 IN YOUR PRESENT JOB DO YOU WORK WITH DISPLAY TUBES, SUCH AS DIRECT VIEW STORAGE (DVSIT) OR MULTIPLE MODE STORAGE TUBES (MNST)	0	0	0	0	0	12	26	26	59
11221	13-02 DO YOU INSPECT DVST OR MNST	0	0	0	2	11	22	22	53	0
11222	13-03 DO YOU CLEAN DVST OR MNST	0	0	0	2	7	18	19	41	0
11223	13-04 DO YOU ADJUST OR CALIBRATE DVST OR MNST	0	0	0	0	8	19	19	52	0
11224	13-05 DO YOU OPERATE SYSTEMS THAT CONTAIN DVST OR MNST	0	0	0	2	11	25	24	58	0
11225	13-06 DO YOU TROUBLESHOOT DVST OR MNST	0	0	0	0	9	21	17	51	0
11226	13-07 DO YOU REMOVE OR REPLACE DVST OR MNST TUBES FROM MAJOR ASSEMBLIES OR UNITS	0	0	0	2	8	18	18	50	0
11227	13-08 DO YOU PERFORM TASKS THAT MAKE IT NECESSARY TO NAME THE VARIOUS ELEMENTS OF DVST	0	0	0	0	3	13	12	37	0
11228	13-09 DO YOU PERFORM TASKS THAT MAKE IT NECESSARY TO NAME THE VARIOUS ELEMENTS OF MNST	0	0	0	2	2	7	5	9	0
11229	13-10 DO YOU PERFORM TASKS ON FLOOD GUNS	0	0	0	0	2	8	9	27	0
11230	13-11 DO YOU PERFORM TASKS ON WRITE GUNS	0	0	0	0	2	11	9	35	0
11231	13-12 DO YOU PERFORM TASKS ON ATTACK GUNS	0	0	0	0	2	7	5	15	0
11232	13-13 DO YOU PERFORM TASKS ON ERASE GUNS	0	0	0	0	2	13	9	34	0
11233	13-14 DO YOU PERFORM TASKS ON STORAGE GRIDS	0	0	0	0	2	9	9	28	0
11234	13-15 DO YOU PERFORM ANY PROGRAMMING TASKS	4	3	3	11	73	6	83	23	76
11235	13-16 DO YOU USE OR REFER TO DECIMAL SYSTEMS	1	2	5	65	75	17	68	0	0
11236	13-17 DO YOU USE OR REFER TO PROGRAMS	3	3	2	69	81	19	76	1	0
11237	13-18 DO YOU USE OR REFER TO HEXIDECIMAL SYSTEMS	0	0	2	69	9	53	12	62	0
11238	13-19 DO YOU USE OR REFER TO 8-4-2-1 SYSTEMS	2	1	2	48	2	48	9	43	0
11239	13-20 DO YOU USE OR REFER TO FOUR SYSTEMS	0	0	1	17	2	18	5	22	0
11240	13-21 DO YOU USE OR REFER TO BINARY SYSTEMS	2	2	4	71	6	81	15	78	1
11241	13-22 DO YOU USE OR REFER TO TIME-SHARING	0	0	2	35	4	43	8	43	1
11242	13-23 DO YOU USE OR REFER TO DATA WORDS	0	2	0	60	5	81	17	75	0
11243	13-24 DO YOU USE OR REFER TO ADDRESS WORDS	1	2	0	69	5	82	17	78	0
11244	13-25 DO YOU USE OR REFER TO ADDRESS/SUBADDRESS	1	2	0	63	5	68	18	68	0
11245	13-26 DO YOU USE OR REFER TO STERLING/INFORMATION	2	1	1	35	4	37	14	37	0
11246	13-27 DO YOU USE OR REFER TO INFORMATION WORDS	0	1	1	48	5	63	17	60	0
11247	13-28 DO YOU PERFORM TASKS ON SINGLE LEVEL PROGRAMMING	3	3	7	46	5	57	13	56	0
11248	13-29 DO YOU PERFORM TASKS ON MULTI-LEVEL PROGRAMMING	0	1	0	33	4	39	10	41	0

AD-A050 611

AIR FORCE OCCUPATIONAL MEASUREMENT CENTER LACKLAND A--ETC F/G 5/9
SUMMARY REPORT FOR AFSCS TRAINED AT CHANUTE AFB.(U)
FEB 78 C D GORMAN

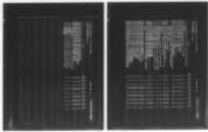
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NL

2 OF 2

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DATE
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DDC

TASK GROUP SUMMARY
PERCENT MEMBERS PERFORMING

		SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC	SPC
		610	611	612	613	619	615	616	617	618					
11210 12-25 DO YOU WORK WITH HALF SILVERED 1928 REFLECTIVE)	MIRRORS	0	0	0	0	0	0	0	0	0					
11211 12-26 DO YOU WORK WITH HELICAL FLASHTUBES		0	0	0	0	0	0	0	0	0					
11212 12-27 DO YOU WORK WITH RUBY		0	0	0	0	0	0	0	0	0					
11213 12-28 DO YOU WORK WITH HELIUM-MERON		0	0	0	0	0	0	0	0	0					
11214 12-29 DO YOU WORK WITH HELIUM-NEON		0	0	0	0	0	0	0	0	0					
11215 12-30 DO YOU WORK WITH XENON		0	0	0	0	0	0	0	0	0					
11216 12-31 DO YOU WORK WITH CESIUM-HELIUM		0	0	0	0	0	0	0	0	0					
11217 12-32 DO YOU WORK WITH ARGON		0	0	0	0	0	0	0	0	0					
11218 12-33 DO YOU WORK WITH NEODYMIUM IN GLASS		0	0	0	0	0	0	0	0	0					
11219 12-34 DO YOU WORK WITH GALLIUM ARSENIDE		0	0	0	0	0	0	0	0	0					
11220 13-01 IM YOUR PRESENT JOB DO YOU WORK WITH DISPLAY TUBES, SUCH AS DIRECT VIEW STORAGE (DVST) OR MULTIPLE MODE STORAGE TUBES (MNST)		0	0	0	0	0	0	12	26	26	59	0	0	0	0
11221 13-02 DO YOU INSPECT DVST OR MNST		0	0	0	0	2	11	22	22	53	0	0	0	0	0
11222 13-03 DO YOU CLEAN DVST OR MNST		0	0	0	0	2	7	18	19	41	0	0	0	0	0
11223 13-04 DO YOU ADJUST OR CALIBRATE DVST OR MNST		0	0	0	0	0	8	19	19	52	0	0	0	0	0
11224 13-05 DO YOU OPERATE SYSTEMS THAT CONTAIN DVST OR MNST		0	0	0	0	2	11	25	29	58	0	0	0	0	0
11225 13-06 DO YOU TROUBLESHOOT DVST OR MNST	CIRCUITS	0	0	0	0	0	9	21	17	51	0	0	0	0	0
11226 13-07 DO YOU REMOVE OR REPLACE DVST OR MNST TUBES FROM MAJOR ASSEMBLIES OR UNITS		0	0	0	0	2	8	18	18	50	0	0	0	0	0
11227 13-08 DO YOU PERFORM TASKS THAT MAKE IT NECESSARY TO NAME THE VARIOUS ELEMENTS OF DVST		0	0	0	0	0	3	13	12	37	0	0	0	0	0
11228 13-09 DO YOU PERFORM TASKS THAT MAKE IT NECESSARY TO NAME THE VARIOUS ELEMENTS OF MNST		0	0	0	0	2	2	7	5	9	0	0	0	0	0
11229 13-10 DO YOU PERFORM TASKS ON FLOOD GUNS		0	0	0	0	0	2	8	9	27	0	0	0	0	0
11230 13-11 DO YOU PERFORM TASKS ON WRITE GUNS		0	0	0	0	0	2	11	9	35	0	0	0	0	0
11231 13-12 DO YOU PERFORM TASKS ON ATTACH GUNS		0	0	0	0	0	2	7	5	15	0	0	0	0	0
11232 13-13 DO YOU PERFORM TASKS ON ERASE GUNS		0	0	0	0	0	2	13	9	34	0	0	0	0	0
11233 13-14 DO YOU PERFORM TASKS ON STORAGE GRIDS		0	0	0	0	0	2	9	9	28	0	0	0	0	0
11234 13-15 DO YOU PERFORM TASKS ON STORAGE GRIDS	TASKS	4	3	3	11	73	6	83	23	76	0	0	0	0	0
11235 13-01 DO YOU USE OR REFER TO DECIMAL SYSTEMS		1	2	2	5	65	6	75	17	68	0	0	0	0	0
11236 13-02 DO YOU USE OR REFER TO PROGRAMS		3	3	2	2	69	6	81	19	76	1	0	0	0	0
11237 13-03 DO YOU USE OR REFER TO HEXIDECIMAL SYSTEMS		0	0	0	2	69	4	53	12	62	0	0	0	0	0
11238 13-04 DO YOU USE OR REFER TO 8-4-2-1 SYSTEMS		2	1	2	1	48	2	48	9	43	0	0	0	0	0
11239 13-05 DO YOU USE OR REFER TO FOUR SYSTEMS		0	0	1	1	17	2	18	5	22	0	0	0	0	0
11240 13-06 DO YOU USE OR REFER TO BINARY SYSTEMS		2	2	2	8	71	6	81	15	78	1	0	0	0	0
11241 13-07 DO YOU USE OR REFER TO TIME SHARING		0	0	2	2	35	4	43	8	43	1	0	0	0	0
11242 13-08 DO YOU USE OR REFER TO DATA WORDS		0	2	0	2	60	5	81	17	75	0	0	0	0	0
11243 13-09 DO YOU USE OR REFER TO ADDRESS WORDS		1	2	0	0	69	5	82	17	78	0	0	0	0	0
11244 13-10 DO YOU USE OR REFER TO ADDRESS/SUBADDRESS		1	2	0	0	63	5	68	18	68	0	0	0	0	0
11245 13-11 DO YOU USE OR REFER TO STEERING/INFORMATION		2	1	1	1	35	4	37	14	37	0	0	0	0	0
11246 13-12 DO YOU USE OR REFER TO INFORMATION WORDS		0	1	1	1	46	5	63	17	60	0	0	0	0	0
11247 13-13 DO YOU PERFORM TASKS ON SINGLE LEVEL PROGRAMMING		3	3	3	7	46	5	57	13	56	0	0	0	0	0
11248 13-14 DO YOU PERFORM TASKS ON MULTI-LEVEL PROGRAMMING		0	1	0	0	33	4	39	10	41	0	0	0	0	0